



**Executive Board Meeting
AGENDA**
Friday, February 17, 2023 9:00 AM - 12:30 PM (PDT)

To attend the meeting via Zoom or submit a comment
please [request access](#).

Agenda Item	Time	Pages
ROLL CALL, INTRODUCTIONS, AND TELECONFERENCE ETIQUETTE	9:00 AM	
PUBLIC COMMENT Guidelines	9:05 AM	
CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER		
CONSENT CALENDAR	9:15 AM	
1 Resolution to continue teleconferencing Executive Board meetings (AB361)		3-4
2 January 17, 2023 BACWA Special Board Meeting minutes		5-7
3 January 20, 2023 BACWA Executive Board meeting minutes		8-12
4 Feb 3, 2023 BACWA NST Special Executive Board meeting minutes		13-14
5 December 2022 Treasurer's Report		15-24
POLICY/STRATEGIC	9:30 AM	
6 Discussion: Communications RFQ		25-30
7 Discussion: BAPPG Professional Training Support RFQ		30-34
8 Informational: Sustainable Pest Management Representation SPM Roadmap		35-36
9 Discussion: Feb 9 BACWA/BAAQMD Reg 2 Workgroup meeting debrief		37-38
10 Discussion: SSS WDR next steps		39-40
11 Discussion: SFEP/TRUW Equity Workshop for Wastewater - March 7 Registration link		
12 Informational: PFAS data schedule		
13 Informational: Air toxics testing update		
OPERATIONAL	10:00 AM	
14 Discussion: Annual Meeting Draft Program		41
15 Discussion: Draft FY24 Budget		42-49
16 Informational: BACC Update		
BREAK	10:45 AM	
NUTRIENTS	11:00 AM	
17 Discussion: Nutrients		
a. Technical Work		
i. Modeling Advisory Group update		50-56
ii. SCCWRP Update		
b. Regulatory		
i. 2022 GAR Submission Group Annual Report		
ii. 2023 Science Plan Update Submission		
iii. Debrief from 2/3 NST meeting		
iv. Five year plan to draw down excess CBC reserves		57-61
c. Governance		
i. Feb 1 Planning Subcommittee minutes		
REPORTS	12:20 PM	
18 Committee Reports		62-68
19 Member highlights		
20 Executive Director Report		69-70
21 Board Calendar and Action Items		71-72
22 Regulatory Program Manager Report		73
23 Other BACWA Representative Reports		74-81
a. RMP Technical Review Committee	Mary Lou Esparza, Yuyun Shang, Samantha Engelage	
b. RMP Steering Committee	Karin North; Amanda Roa; Eric Dunlavey	
c. Summit Partners	Lorien Fono; Amit Mutsuddy	
d. ASC/SFEI	Lorien Fono; Amit Mutsuddy; Lori Schectel	
e. Nutrient Governance Steering Committee	Eric Dunlavey; alternates: Lori Schectel	

e.i Nutrient Planning Subgroup	Eric Dunlavey		
f. SWRCB Nutrient SAG	Lorien Fono		
h. BAIRWMP	Cheryl Munoz; Florence Wedington; Lorien Fono		
i. NACWA Emerging Contaminants	Karin North; Melody LaBella		
j. CASA State Legislative Committee	Lori Schectel		
k. CASA Regulatory Workgroup	Lorien Fono; Mary Cousins		
l. RMP Microplastics Liaison	Artem Dyachenko		
m. Bay Area Regional Reliability Project	Jackie Zipkin		
n. WateReuse Working Group	Cheryl Munoz		
o. San Francisco Estuary Partnership	Lorien Fono; Jackie Zipkin		
p. CPSC Policy Education Advisory Committee	Colleen Henry		
q. California Ocean Protection Council	Lorien Fono		
r. Countywide Water Reuse Master Plan	Karin North, Pedro Hernandez		
s. CHARG - Coastal Hazards Adaptation Resiliency Group	Jackie Zipkin		
t. California Water Quality Monitoring Council	Lorien Fono		

23 SUGGESTIONS FOR FUTURE AGENDA ITEMS	12:29 PM	
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NEXT MEETING		
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The next meeting of the Board is scheduled for March 17, 2023		
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ADJOURNMENT	12:30 PM	
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**BAY AREA CLEAN WATER AGENCIES
RESOLUTION NO. R-23-08**

RESOLUTION AUTHORIZING REMOTE TELECONFERENCE MEETINGS PURSUANT TO AB 361

WHEREAS, all Bay Area Clean Water Agencies (BACWA) meetings are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and watch BACWA’s legislative bodies conduct their business; and

WHEREAS, on March 4, 2020, Governor Newsom declared a State of Emergency to make additional resources available, formalize emergency actions already underway across multiple state agencies and departments, and help the State prepare for an anticipated broader spread of the novel coronavirus disease 2019 (“COVID-19”); and

WHEREAS, On March 17, 2020, in response to the COVID-19 pandemic, Governor Newsom issued Executive Order N-29-20 suspending certain provisions of the Ralph M. Brown Act in order to allow local legislative bodies to conduct meetings telephonically or by other means; and

WHEREAS, as a result of Executive Order N-29-20, staff set up virtual meetings for all BACWA Executive Board meetings; and

WHEREAS, on June 11, 2021, Governor Newsom issued Executive Order N-08-21, which, effective September 30, 2021, repealed the provisions of Executive Order N29-20 that allowed local legislative bodies to conduct meetings telephonically or by other means; and

WHEREAS, on September 16, 2021, Governor Newsom signed AB 361 (2021), which allows for local legislative bodies and advisory bodies to continue to conduct meetings via teleconferencing under specified conditions and includes a requirement that the BACWA Executive Board make specified findings. AB 361 (2021) took effect immediately; and

WHEREAS, in order for legislative bodies to continue to conduct meetings via teleconferencing pursuant to AB 361 (2021), a proclaimed State of Emergency must exist; and

WHEREAS, AB 361 (2021) further requires that State or local officials have imposed or recommended measures to promote social distancing, or, requires that the legislative body determines that meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, such conditions now exist in BACWA’s jurisdiction, specifically, Governor Newsom has declared a State of Emergency due to COVID-19; and

WHEREAS, the Centers for Disease Control and Prevention (“CDC”) continues to recommend physical distancing of at least 6 feet from others outside the household; and

WHEREAS, local county health jurisdictions continue to recommend physical and social distancing as a COVID-19 mitigation strategy and

WHEREAS, because of the prevalence of highly contagious variants of COVID-19, the BACWA Executive Board is concerned about the health and safety of all individuals who intend to attend BACWA Executive Board and Committee meetings; and

WHEREAS, the BACWA Executive Board desires to provide a way for Executive Boarders, staff, and members of the public to participate in meetings remotely, without having to attend meetings in person; and

WHEREAS, the BACWA Executive Board hereby finds that the presence of COVID-19 and the prevalence of cases due to the Omicron variant would present imminent risks to the health or safety of attendees, including the legislative bodies and staff, should BACWA’s legislative bodies hold in person meetings; and

WHEREAS, BACWA shall ensure that its meetings comply with the provisions required by AB 361 (2021) for holding teleconferenced meetings.



**BAY AREA CLEAN WATER AGENCIES
RESOLUTION NO. R-23-08**

NOW, THEREFORE, BE IT RESOLVED that the Executive Board of the Bay Area Clean Water Agencies hereby declares as follows:

1. The above recitals are true and correct, and incorporated into this Resolution.
2. In compliance with AB 361 (2021), and in order to continue to conduct teleconference meetings without complying with the usual teleconference meeting requirements of the Brown Act, the BACWA Executive Board makes the following findings:
 - a. The BACWA Executive Board has considered the circumstances of the State of Emergency; and
 - b. The State of Emergency, as declared by the Governor, continues to directly impact the ability of the BACWA Executive Board and BACWA's legislative bodies, as well as staff and members of the public, from meeting safely in person; and
 - c. The CDC continues to recommend physical distancing of at least six feet due to COVID-19 and as a result of the presence of highly contagious variants of COVID-19, meeting in person would present imminent risks to the health or safety of attendees, the legislative bodies and staff.
3. The BACWA Executive Board may continue to meet remotely in compliance with AB 361, in order to better ensure the health and safety of the public.
4. The BACWA Executive Board will revisit the need to conduct meetings remotely within thirty (30) days of the adoption of this resolution.

PASSED AND ADOPTED THIS 17th DAY OF FEBRUARY, 2023.

Amit Mutsuddy
Chair of the Bay Area Clean Water Agencies Executive Board

ATTEST:

Lorien J. Fono
Executive Director, Bay Area Clean Water Agencies



Special Executive Board Meeting Minutes Joint Meeting with Regional Water Board Staff

January 17, 2023

ROLL CALL AND INTRODUCTIONS

Executive Board Representatives: Lori Schectel (Central Contra Costa Sanitary District); Eric Dunlavey (San José), Amit Mutsuddy (EBMUD); Jacqueline Zipkin (East Bay Dischargers Authority); Amy Chastain (SFPUC).

Other Attendees:

Name	Agency/Company
Lorien Fono	BACWA
Mary Cousins	BACWA
Mary Lou Esparza	Central Contra Costa Sanitary District
David Donovan	City of Hayward
Michael Connor	Consultant
Alicia Chakrabarti	EBMUD
Eileen White	Regional Water Board
Tom Mumley	Regional Water Board
Bill Johnson	Regional Water Board
Robert Schlipf	Regional Water Board
James Parrish	Regional Water Board
Tom Hall	EOA
Jennie Pang	SFPUC

Amit Mutsuddy began the meeting at 3:03 pm and led the attendees through introductions. There was no public comment.

AGENDA ITEMS

Agenda Item 1 – Agency Updates

Agencies provide updates on their current staffing and COVID return-to-work protocols. EBMUD's COVID emergency declaration ended on January 1. Central San will be soon recruiting a Director of Engineering & Technical Services and a Director of Operations. EBDA shared that a Draft EIR for a Cargill brine disposal project is available on the [EBDA website](#); comments are due February 17th. James Parrish has been promoted within the NPDES division, and will be sharing some individual NPDES permitting responsibilities with Robert Schlipf.

Agenda Item 2 – Storm Management

Attendees discussed the impacts of extreme wet weather in late December and early January. The Regional Water Board has received numerous reports of Sanitary Sewer Overflows (SSOs) and other types of spills. There were about 90 calls regarding unauthorized discharges over the period December 30th to January 3rd, and about 30 calls later in January. Regional Water Board

staff plan to prepare a brief report summarizing the unauthorized discharges. Attendees noted the need to continue focusing on asset management, climate change planning (including rising groundwater), and coordination with stormwater and flood control agencies.

Agenda Item 3 – Nutrients

The BACWA ED shared that BACWA is meeting individually with member agencies to identify projects that can be identified as potential load reductions in the 3rd Nutrient Watershed Permit. In many cases, the magnitude and timing for project implementation for is highly uncertain (due to treatment complexity, funding, equipment availability, partnering with multiple stakeholders, etc.), so BACWA will be requesting flexibility in the 3rd Nutrient Watershed Permit to reflect this. Regional Water Board staff stated that they plan to make a finding of reasonable potential in the 3rd Watershed Permit, which will lead to water quality-based requirements for nutrient load reductions (rather than antidegradation-based limits). Regional Water Board staff also proposed interim limits and compliance schedules of up to 10 years.

For the technical studies required by the 2nd Watershed Permit (recycled water and nature-based solutions), there will need to be a sign-off from each agency for each final report. This is true even if the report does not include significant details for that agency.

Agenda Item 4 – Recycled Water

Regional Water Board staff noted that there is an expectation from the State Water Board that there will be a substantial increase in recycled water over the next 15 years, as identified in the [Governor's Water Supply Strategy](#). Tom Mumley and Maggie Monahan will be participating in the recycled water "Strike Team" with State Water Board staff.

Agenda Item 5 – Air permitting

BAAQMD's new Executive Officer, [Dr. Philip Fine](#), will be starting in February, at which point it will be appropriate to share concerns about permit backlog and other air permitting issues.

Agenda Item 6 – Climate Change Resiliency

BACWA will be conferring internally with its members to identify an appropriate way to compile climate change adaptation plans on an ongoing basis. BACWA and Regional Water Board staff both plan to participate in BCDC's forthcoming Regional Shoreline Adaptation planning process.

Agenda Item 7 – Miscellaneous Coordination

- BACWA is assisting members with rollout of the reissued SSS-WDR, which has an effective date of June 5, 2023. James Parrish and Michael Chee are the points of contact at the Regional Water Board.
- SFEP will host a workshop on March 7th for the wastewater sector related to diversity, equity, including and justice initiatives.
- Per new legislation regarding environmental justice in water policy (AB 2108), NPDES permits that include compliance schedules that don't meet water quality objectives would need to contain special findings. Permits that result in full compliance with water quality objectives would not have to contain special findings.

1/17/23 Joint RB2 Meeting Minutes

- Regional Water Board will provide additional updates on the Toxicity Policy and Chlorine Basin Plan Amendments soon.
- Diversity, Equity, Inclusion, and Justice initiatives - March 7 SFEP wastewater workshop

Agenda **Item 8 – Annual Events**

The BACWA Annual Meeting will take place at the David Brower center in Berkeley on May 5, 2023. The Pardee Technical Seminar is scheduled for September 8, 2023.

Agenda **Item 9 – Future Meetings**

Future meetings will need to occur in-person format to comply with the Brown Act now that the COVID emergency declaration has ended.

The meeting was adjourned at 5 PM.



BACWA Executive Board Meeting Minutes

January 20, 2023

ROLL CALL AND INTRODUCTIONS

Executive Board Representatives: Amy Chastain (San Francisco Public Utilities Commission); Eric Dunlavey (City of San Jose); Jackie Zipkin (East Bay Dischargers Authority); Lori Schectel (Central Contra Costa Sanitary District); Amit Mutsuddy (East Bay Municipal Utility District).

Other Attendees and Guests:

Name	Agency/Company
Amanda Roa	Delta Diablo
Andrew Damron	Napa Sanitation
Azalea Mitch	City of San Mateo
Dave Senn	SFEI
Irene Chu	Hazen and Sawyer
Jennifer Dymont	BACWA
Jennifer Voccola-Brown	City of San Jose
Lorien Fono	BACWA
Mary Cousins	BACWA
Mary Lou Esparza	CCCSD
Meg Herston	FSSD
Melody Tovar	City of Sunnyvale
Michael Connor	Consultant
RJ Suokko	Sanitary District 2 & Corte Madera
Steve Moore	RVSD
Talyon Sortor	FSSD
Tom Hall	EOA

Amit started meeting at 9:02 am

ROLL CALL, INTRODUCTIONS, AND TELECONFERENCE ETIQUETTE

PUBLIC COMMENT None

CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER None

Agenda Items

CONSENT CALENDAR

- 1 **Resolution to continue teleconferencing Executive Board meetings (AB361)**
- 2 **December 16, 2022 BACWA Executive Board meeting minutes**
- 3 **January 6, 2023 NST Special Executive Board meeting minutes**
- 4 **November 2022 Treasurer's Report**

Consent Calendar Items 1 thru 4: A motion to approve was made by Lori Schectel (Central Contra Costa Sanitary District) and seconded by Jackie Zipkin (East Bay Dischargers Authority). The motion was approved unanimously.

APPROVALS AND AUTHORIZATIONS

- 5 **Approval: NMS Steering Committee Designates**

Item 5: The approval designates Eric Dunlavey and Amit Mutsuddy as BACWA voting members of the NMS Steering Committee, and Lori Schectel and Jackie Zipkin as alternates. A motion to approve was made by Jackie Zipkin (East Bay Dischargers Authority) and seconded by Eric Dunlavey (City of San Jose). The motion was approved unanimously.

- 6 **Approval: Installment 2 of FY23 NMS Payment, \$800,000**

Item 6: This payment complete the Watershed Permit's NMS funding requirement for FY23. A motion to approve was made by Eric Dunlavey (City of San Jose) and seconded by Lori Schectel (Central Contra Costa Sanitary District). The motion was approved unanimously.

POLICY/STRATEGIC

- 7 **Discussion: Winter storm impacts roundtable** - BACWA ED opened the discussion to agencies to share the impact of the recent winter storms and their plans to deal with higher-intensity precipitation events in the future. Several members shared the impact the storms had on their agencies and cities, including impacts such as surface flooding, treatment plant bypasses, and sanitary sewer overflows. Impacts were most severe in San Francisco and in the inner East Bay. Agencies discussed climate change, old infrastructure, lack of funding & support and ongoing challenges.

- 8 **Discussion: Nutrients**

a. Technical Work

i. Science plan direction post HAB - discussion with science manager - Dave Senn, SFEI, participated in group discussion on modifications to the NMS science plan following the August 2022 algae bloom in the Bay. Discussion topics included: modeling, HABs, and overall outcomes. The group discussed modeling approaches, timeline, implementation, monitoring technology, mitigation techniques, and changes in understanding and approaches. The science team is able to begin testing management scenarios in March or April, but cautioned that early results are not likely to be useable for management decision-making; only after many iterations will the scenarios become useful. To begin

scenario testing , the science team requires some direction from the NMS Steering Committee on which model (chronic vs. acute) and which scenarios to run.

BREAK 11:15-11:30

ii. Review of recent NMS deliverables - Mike Connor summarized his 2022 recommendations for the science program priorities. He also presented a review of SFEI comments and documents. For SFEI nutrient summaries, emphasis was placed on data viewing tools, annual status & temporal trend reports of bay health and model runs vs. annual trends. General discussion followed.

b. Regulatory

i. 2022 GAR Update - BACWA ED shared that the Group Annual Report is due to Water Board on Feb 1, 2023 and comments are due to Mike Falk on January 26, 2023.

ii. Nutrient reduction POTW meeting schedule update - BACWA ED shared that most meetings with individual POTWs have been completed, and all should be wrapped up by mid February.

iii. Legal opinion on use of antidegradation - BACWA ED broached the issue that the Water Board plans to rely on reasonable potential rather than antidegradation to justify nutrient load limitations. General discussion followed about priorities, funding and public perspective.

iv. Engagement on solid waste contribution to nutrients - BACWA ED shared that this effort was put on hold. When effort is revived Eric Dunlavey will inform the group.

c. Governance

i. January 4 Planning Subcommittee minutes

ii. December 9 Steering Committee meeting minutes

d. Communications and lobbying

i. Communications steering committee debrief - BACWA ED will share a draft of RFQ with committee next week and the board will receive the RFP the following week. The plan is to finalize the RFQ at the February at Board Meeting.

Action item: BACWA Ed to bring item for approval at next board meeting.

ii. Nutrient FAQ - final - BACWA ED shared that document is available on the BACWA website and in the packet.

9 Discussion: Debrief from January 17 Joint meeting with R2 - BACWA RPM provided information about recycled water planning, including an upcoming study on the feasibility of water recycling and the state's water supply strategy.

Action Item: BACWA RPM to share WRF report with BACWA community when it is available.

10 Discussion: SSS WDR next steps Summit Partners Workshop Materials – BACWA RPM summarized workshop. The materials are on the CASA website.

<https://casaweb.org/resources/speaker-presentations/>

11 Discussion: SFEP/TRUW Equity Workshop for Wastewater - March 7 - BACWA ED shared that workshop will be at SF Metro Center. Generate common language in efforts around community and engineering, and workforce development.

12 Informational: NPDES Compliance Letter

13 Informational: Air toxics testing update- BACWA ED shared that CASA is still in the process of determining which agencies will be required by CARB to participate. Agencies can expect to assume some financial obligation beginning in FY24, and CASA will provide estimates soon.

OPERATIONAL

14 Discussion: Annual Meeting Planning - BACWA ED shared slide summarizing the facility rental options and asked for feedback on options. The group agreed to rent out the auditorium and the top floor. The group also discussed possible speakers at the event. For extreme precipitation, a presentation from a flood control agency or a case study were suggested.

Action item: BACWA ED to reserve the full facility and present a list of potential speakers at the next meeting.

15 Informational: BACWA Executive Board designates - BACWA ED shared that a corrected document is in the packet.

16 Informational: BACC Update - BACWA AED shared that the bids will go live in Planet Bids on Thursday and bids will be opened on Thursday February 23.

REPORTS

17 Committee Reports - in the packet

18 Member highlights - no highlights

19 Executive Director Report - in the packet

20 Board Calendar and Action Items - in the packet

21 Regulatory Program Manager Report - in the packet. Emily Corwin from Fairfield-Suisun Sewer District has agreed to serve as a BACWA Representative to BCD's Shoreline Adaptation Plan Advisory Group.

22 Other BACWA Representative Reports

a. RMP Technical Review Committee Mary Lou Esparza, Yuyun Shang, Samantha Engelage

b. RMP Steering Committee Karin North; Amanda Roa; Eric Dunlavey

c. Summit Partners Lorien Fono; Amit Mutsuddy

d. ASC/SFEI Lorien Fono; Amit Mutsuddy; Lori Schectel

- e. Nutrient Governance Steering Committee Eric Dunlavey; alternates: Lori Schectel
- e.i Nutrient Planning Subgroup Eric Dunlavey
- f. SWRCB Nutrient SAG Lorien Fono
- h. BAIRWMP Cheryl Munoz; Florence Wedington; Lorien Fono
- i. NACWA Emerging Contaminants Karin North; Melody LaBella
- j. CASA State Legislative Committee Lori Schectel
- k. CASA Regulatory Workgroup Lorien Fono; Mary Cousins
- l. RMP Microplastics Liaison Artem Dyachenko
- m. Bay Area Regional Reliability Project Jackie Zipkin
- n. WaterReuse Working Group Cheryl Munoz
- o. San Francisco Estuary Partnership Lorien Fono; Jackie Zipkin
- p. CPSC Policy Education Advisory Committee Colleen Henry
- q. California Ocean Protection Council Lorien Fono
- r. Countywide Water Reuse Master Plan Karin North, Pedro Hernandez
- s. CHARG - Coastal Hazards Adaptation Resiliency Group Jackie Zipkin
- t. California Water Quality Monitoring Council Lorien Fono

23 SUGGESTIONS FOR FUTURE AGENDA ITEMS

NEXT MEETING The next meeting of the Board is scheduled for February 17, 2023

ADJOURNMENT at 1:01

ATTENDEES:

Executive Board Representatives: Lori Schectel (Central Contra Costa Sanitary District); Amit Mutsuddy (EBMUD), Eric Dunlavey (San José); Jacqueline Zipkin (East Bay Dischargers Authority); Amy Chastain (San Francisco Public Utilities Commission)

Other Attendees:

<u>Name</u>	<u>Agency/Company</u>
Lorien Fono, Mary Cousins	BACWA
Mary Lou Esparza, Blake Brown	CCCSD
Amanda Roa	Delta Diablo
Alicia Chakrabarti, Don Gray	EBMUD
Tom Hall	EOA
Talyon Sortor, Jordan Damerel	FSSD
Monty Dill	Richmond (Veolia)
Azalea Mitch	San Mateo
Jennie Pang	SFPUC
Anir Bhagwat	Silicon Valley Clean Water
Ramana Chinnakotla, Melody Tovar, Cameron Kostigen Mumper	Sunnyvale
Armando Lopez	Union Sanitary District
Jennifer Harrington	Vallejo FWD

Amit Mutsuddy called the meeting to order at 10:02 am, and led introductions. There was no public comment. The main purpose of the meeting was to discuss the status of negotiations for the 3rd Nutrient Watershed Permit.

FUTURE HYBRID NUTRIENT STRATEGY TEAM MEETINGS

BACWA Executive Director (ED) Lorien Fono led a discussion about the venue for future meetings. The group decided that future meetings should be held in hybrid format immediately following regularly-scheduled BACWA Executive Board meetings (i.e., the 3rd Friday of each month), ideally wrapping up by approximately 2 PM.

BASIS FOR LOAD REDUCTIONS

The ED relayed that at the January 17th joint meeting between Regional Water Board staff and the BACWA Executive Board, Regional Water Board staff stated that in the 3rd Watershed Permit they tentatively plan to make a **finding of reasonable potential** that POTW discharges could cause or contribute to an exceedance of the Basin Plan's narrative biostimulatory substances objective. This action would trigger a need for water quality-based effluent limits (rather than antidegradation-based limits). Regional Water Board staff have also proposed interim limits and compliance schedules of up to 10 years.

The process that will be used to translate the narrative objective into water quality-based effluent limits has not yet been determined. Although the modeling work by the Nutrient Management Strategy science team may be a resource in this effort, it is not likely to be used to directly establish numeric limits.

AGENCY NUTRIENT REDUCTION PLANNING

The ED shared recently updated nitrogen loading data from the 2022 Group Annual Report, which is now complete ([link](#)). The ED also shared the preliminary outcome of nutrient reduction plans that were shared with BACWA staff during individual meetings held in December and January. So far, BACWA has collected information from 15 agencies, with 3 remaining. All together, these 18 agencies represent 95% of the Total Inorganic Nitrogen load from Bay Area POTWs to the Bay. Once all the meetings are complete, BACWA will estimate a range of possible aggregate load reductions from currently-planned projects. This will inform BACWA's negotiating position for the 3rd Watershed Permit.

The ED also shared a preliminary compilation of member agencies' ability to reduce nutrient discharges on a short-term emergency basis. Most agencies have very little effluent storage. Influent storage is more common, but is associated with odor and other operational challenges.

The group brainstormed additional efforts that could be packaged along with nutrient reduction plans for the Regional Water Board, such as support for scientific research. The group also discussed the potential negative impact on BACWA members if the 3rd Watershed Permit requires aggressive load reductions (e.g., 50% within 10 years). Members shared that this approach could disincentive early action on nutrient removal, disincentive the use of emerging technologies, threaten organics diversion programs, and disincentive multi-benefit projects.

CONSIDERATIONS FOR LOAD CAPS

Attendees expressed support for continued reliance on the "planning level targets" from Table F-5 of the 2nd Watershed Permit, because quite a few agencies have indeed been using them for planning and design of facility upgrades.

NEXT STEPS

- Internal discussions will continue at the February 17th Executive Board meeting and the next NST meeting on March 17th.
- The BACWA ED will update meeting invitations to reflect the change to consolidate future meetings with BACWA Executive Board meetings beginning on March 17th.
- BACWA tentatively plans to present information about nutrient load reduction plans to Regional Water Board staff around March. Regional Water Board staff will also be preparing an update for Regional Water Board members, with a target date of late spring for the update.
- Nutrient Management Strategy meetings are currently scheduled for March and May 2023, and will include an update on management options.



Bay Area Clean Water Agencies

A Joint Powers Public Agency

Leading the Way to Protect our Bay

January 19, 2023

MEMO TO: Bay Area Clean Water Agencies Executive Board
MEMO FROM: Samuel Feldman-Crough, Treasurer, East Bay Municipal Utility District
SUBJECT: Sixth Month FY 2023 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, 2022 through December 31, 2022** (Six months of Fiscal Year 2023). 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),
- Bay Area Biosolids Coalition (BABC),
- Bay Area Chemical Consortium (BACC),
- Water/Wastewater Operator Training (WOT),

Houck, Matt

From: Feldman, Samuel
Sent: Friday, January 20, 2023 8:59 AM
To: Houck, Matt
Subject: RE: December 2022 Treasurer's Report

Approved. Thanks Matt!

Sam Feldman (he/him/his)
Manager of Budget
office: (510) 287-0441
mobile: (510) 882-6860

From: Houck, Matt <matt.houck@ebmud.com>
Sent: Thursday, January 19, 2023 1:04 PM
To: Feldman, Samuel <samuel.feldman@ebmud.com>
Subject: December 2022 Treasurer's Report

Hi Samuel,

Please approve BACWA - December 2022 Treasurer's Report for distribution.

Thanks,

Matt Houck

Accountant II
East Bay Municipal Utility District
375 11TH St, MS 402, Oakland, CA 94607
P 510-287-0238



MONTHLY FINANCIAL SUMMARY REPORT

December 2022

Fund Balances

In FY23 BACWA has three operating funds (BACWA, Legal, and CBC) and three pass-through funds for which BACWA provides only contract administration services (WOT, BABC & BACC). As of October 31st, 2021, revenues are recognized when billed, not when payments are received.

BACWA Fund: This fund provides resources for BACWA staff, its committees, and other administrative needs. The ending fund balance on December 31, 2022, was \$793,000 which is significantly higher than the target reserve of \$229,098 which is intended to cover 3 months of normal operating expenses based on the BACWA FY22 budget. \$409,278 of the ending fund balance is shown on the BACWA Fund & Investments Balance Report December 31, 2022, as encumbered to meet ongoing operating line-item expenses for BAPPG Committee Support, Legal services, IT services, Board meeting expenses, accounting services and BACWA staff support. This leaves an actual unencumbered reserve of \$154,624 (i.e., actual fund balance of \$383,722 less target reserves) as of December 31, 2022.

CBC Fund: This fund provides the resources for completing special investigations as well as meeting regulatory requirements. The ending fund balance on December 31, 2022, was \$3,121,329 which is higher than the target reserve of \$1,000,000. \$609,976 of the ending fund balance is encumbered to meet line-item expenses for completion of the Group Annual Report contract, completion of the NBS Study, Recycled Water Evaluation, and the PFAS Regional Study. This leaves an actual unencumbered reserve balance of \$1,515,353 (i.e., actual fund balance of \$2,515,353 less target reserves) as of December 31, 2022. As directed by the BACWA Executive Board, the CBC fund has diminished over time due to BACWA's ongoing funding of the NMS program to comply with the Nutrient Watershed Permit.

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 to maintain the BACWA and CBC Fund balances at the levels projected in the 5 Year Plan.

Revenues as of December 31, 2022 (50% of the FY) are at 99%

Expenses as of December 31, 2022 (50% of the FY) are at 41%

FY 2023
BACWA BUDGET to ACTUAL

							
<u>BACWA FY23 BUDGET</u>	<u>Line Item Description</u>	<u>FY 2023 Budget</u>	<u>Projected Revenue as of Dec 2022 Changes from budget in blue</u>	<u>Actual Dec 2022</u>	<u>Actual % of Budget Dec 2022</u>	<u>Variance</u>	<u>NOTES</u>
REVENUES & FUNDING							
Dues	Principals' Contributions	\$527,250	\$527,250	\$527,250	100%	\$0	FY23: 2% increase 5 @ \$105,450
	Associate & Affiliate Contributions	\$187,793	\$187,793	\$186,845	99%	-\$948	FY23: 2% increase. 12 Assoc: \$8702; 47 Affiliate: \$1743
Fees	Clean Bay Collaborative	\$675,000	\$675,000	\$674,250	100%	-\$750	Prin: \$450,000; Assoc/Affil: \$225,000
	Nutrient Surcharge	\$1,400,000	\$1,400,000	\$1,399,980	100%	-\$20	See Nutrient Surcharge Spreadsheet
	Voluntary Nutrient Contributions			\$0	0%	\$0	
Other Receipts	AIR Non-Member	\$7,217	\$7,217	\$7,217	100%	\$0	2% increase (Santa Rosa)
	BAPPG Non-Members	\$4,033	\$4,033	\$4,033	100%	\$0	2% increase (Sta Rosa, Sac Reg'l, Vacaville) \$1,344/each
	Other			\$2,653		\$2,653	
Fund Transfer	Special Program Admin Fees (WOT)	\$5,202	\$5,202	\$0	0%	-\$5,202	
	Special Program Admin Fees (BACC)	\$36,000	\$36,000	\$0	0%	-\$36,000	400 hours of AED support \$90/hr
	Special Program Admin Fees (BABC)	\$6,000	\$6,000	\$0	0%	-\$6,000	ED, AED and RPM support
Interest Income	LAIF	\$4,000	\$4,000	\$12,151	304%	\$8,151	BACWA, Legal, & CBC Funds invested in LAIF
	Higher Yield Investments						
	Total Revenue	\$2,852,495	\$2,852,495	\$2,814,379	98.66%	-\$38,116	
<u>BACWA FY23 BUDGET</u>	<u>Line Item Description</u>	<u>FY 2023 Budget</u>	<u>Projected Expense as of Dec 2022 Changes from budget in blue</u>	<u>Actual Dec 2022</u>	<u>Actual % of Budget Dec 2022</u>	<u>Variance</u>	<u>NOTES</u>
EXPENSES							
Labor							
	Executive Director	\$204,250	\$204,250	\$85,104	42%	-\$119,146	7.5% increase (flat in FY22)
	Assistant Executive Director	\$86,004	\$86,004	\$42,368	49%	-\$43,636	7.5% over FY21; \$71.67/hour; Reflects 1200 hours
	BACC Administrator	\$36,000	\$36,000	\$13,410	37%	-\$22,590	400 hrs AED support at \$90 per hr
	Regulatory Program Manager	\$142,223	\$142,223	\$58,625	41%	-\$83,598	7.5% increase (flat in FY22); \$103.35/hour, Reflects 1350 hours
	Total	\$468,477	\$468,477	\$199,507	43%	-\$268,970	
Administration							
	EBMUD Financial Services	\$43,297	\$43,297	\$13,339	31%	-\$29,958	2% increase
	Auditing Services	\$5,452	\$5,452	\$0	0%	-\$5,452	Finanical Auditors through EBMUD; per auditor rate schedule
	Administrative Expenses	\$8,118	\$8,118	\$0	0%	-\$8,118	2% increase over FY22
	Insurance	\$8,132	\$8,132	\$7,571	93%	-\$561	15% increase over FY22 actual
	Total	\$64,999	\$64,999	\$20,910	32%	-\$44,089	
Meetings							
	EB Meetings	\$2,706	\$2,706	\$404	15%	-\$2,302	2% increase from FY22
	Annual Meeting	\$14,369	\$14,369	\$0	0%	-\$14,369	2% increase from FY22
	Pardee	\$6,668	\$6,668	\$3,432	51%	-\$3,236	2% increase from FY22
	Misc. Meetings	\$5,412	\$5,412	\$2,639	49%	-\$2,773	2% increase from FY22
	Total	\$29,155	\$29,155	\$6,476	22%	-\$22,679	
Communication							
	Website Hosting	\$714	\$714	\$189	27%	-\$525	2% increase from FY22, Go Daddy website hosting and domain registration
	File Storage	\$780	\$780	\$0	0%	-\$780	2% increase from FY22, box.net
	Website Development/Maintenance	\$1,561	\$1,561	\$75	5%	-\$1,486	2% increase from FY22
	IT Support	\$2,705	\$2,705	\$0	0%	-\$2,705	2% increase from FY22
	Other Commun	\$1,821	\$1,821	\$404	22%	-\$1,417	2% increase from FY22; MS Exchange, Survey Monkey, PollEv, Zoom, Netfile
	Total	\$7,581	\$7,581	\$668	9%	-\$6,912	
Legal							

**FY 2023
BACWA BUDGET to ACTUAL**

EXPENSES							
	Regulatory Support	\$2,871	\$2,871	\$0	0%	-\$2,871	2% increase from FY22, Downey Brand LLP
	Executive Board Support	\$2,309	\$2,309	\$0	0%	-\$2,309	2% increase from FY22, Day Carter & Murphy LLP
	Total	\$5,181	\$5,181	\$0	0%	-\$5,181	
Committees							
	AIR	\$96,000	\$96,000	\$40,076		-\$55,924	\$75k consulting support, \$20k support for ACE, \$1k misc expenses. Carollo Engineers
	BAPPG	\$130,600	\$130,600	\$56,847	44%	-\$73,753	Includes CPSC @ \$10,000, OWOW @ \$10,000, and Pest. Reg Spt. @ \$60,000
	Biosolids Committee	\$0	\$0	\$0		\$0	
	Collections System	\$1,000	\$1,000	\$0	0%	-\$1,000	Same as FY23
	InfoShare Groups	\$1,000	\$1,000	\$492	49%	-\$508	
	Laboratory Committee	\$6,400	\$6,400	\$1,511	24%	-\$4,889	TNI standard training and meetings
	Permits Committee	\$1,000	\$1,000	\$0	0%	-\$1,000	
	Pretreatment	\$1,000	\$1,000	\$0	0%	-\$1,000	
	Recycled Water Committee	\$20,000	\$20,000	\$0	0%	-\$20,000	
	Misc Committee Support	\$45,000	\$45,000	\$0	0%	-\$45,000	
	Manager's Roundtable	\$1,000	\$1,000	\$0	0%	-\$1,000	
	Total	\$303,000	\$303,000	\$98,926	33%	-\$204,074	
Collaboratives							
	Collaboratives						
	State of the Estuary (SFEP-biennial)	\$20,000	\$20,000	\$0	0%	-\$20,000	Biennial in Odd Fiscal Years. (Paid biennially in odd years for even year conference)
	Arleen Navarret Award	\$2,500	\$2,500	\$0	0%	-\$2,500	Biennial in Even Fiscal Years. Increase in FY20. 2022 Award to be paid in FY23
	BayCAN	\$5,000	\$5,000	\$0	0%	-\$5,000	
	Bay Area One Water Network	\$5,000	\$5,000	\$0	0%		New for FY23
	Bruce Wolf Scholarship	\$4,000	\$4,000	\$0	0%		FY22, FY23, FY24, FY25 FY26
	Misc	\$1,500	\$1,500	\$0	0%	-\$1,500	NBWA
	Total	\$38,000	\$38,000	\$0	0%	-\$38,000	
Other							
	Unbudgeted Items						
	Other	\$0	\$0	\$0	0%	\$0	
	Total	\$0		\$0	0%	\$0	
Tech Support							
	Technical Support						
	Nutrients						
	Watershed	\$1,800,000	\$1,800,000	\$1,000,000	56%	-\$800,000	Advance funding for 2nd Watershed Permit Sciece Studies; Final \$ TBD
	NMS Voluntary Contributions	\$0	\$0	\$0	0%	\$0	
	Additional work under permit	\$100,000	\$100,000	\$48,040	48%	-\$51,960	Includes HDR PO for \$225k spread out over FY20-24.
	Regional Study on Nature based systems	\$248,811	\$248,811	\$16,721	7%	-\$232,090	SFEI \$500K, expires 06/30/2023
	Regional Recycling Evaluation	\$63,525	\$63,525	\$0	0%	-\$63,525	HDR \$154K, expires 12/31/2023
	Nutrient Workshop(s)	\$0	\$0	\$0	0%	\$0	Pilot Studies/Plant Review/InDecative Technologies
	NMS Reviewer	\$50,000	\$50,000	\$4,000	8%	-\$46,000	M. Connor Contract
	General Tech Support	\$100,000	\$100,000	\$0	0%	-\$100,000	AB617 emissions factors, PFAS, other nutrient support
	CEC Investigations	\$140,000	\$140,000	\$9,452	7%	-\$130,548	PFAS Study Phase II
	Risk Reduction	\$12,500	\$12,500	\$0	0%	-\$12,500	APA FSS completed \$12,500 contract in FY20, CIEA will complete \$12,500 contract in FY23
	Total	\$2,514,836	\$2,514,836	\$1,078,213	43%	-\$1,436,623	
	TOTAL EXPENSES	\$3,431,228	\$3,431,228	\$1,404,701	40.94%	-\$2,026,528	
	PROJECTED EXPENSE DEVIATION FROM BUDGET		\$0				
	NET INCOME BEFORE TRANSFERS	-\$578,733					
	TRANSFERS FROM RESERVES	\$578,733					aligns with strategy of drawing down reserves to lessen impact of Nutrient Surcharge
	NET INCOME AFTER TRANSFERS	\$0					
	TOTAL OPERATING BUDGET	\$916,392					
	OPERATING RESERVE	\$229,098					

BACWA Fund Report as of December 31, 2022

BACWA FUND BALANCES - DATA PROVIDED BY ACCOUNTING DEPT.							
DEPTID	DESCRIPTION	FISCAL YEAR BEGINNING FUND BALANCE	TOTAL BILLED REVENUE TO- DATE	TOTAL DISBURSEMENTS TO-DATE	MONTH-ENDING FUND BALANCE	OUTSTANDING ENCUMBRANCES	MONTH-END UNOBLIGATED FUND BALANCE
600	BACWA	376,500	729,577	313,077	793,000	409,278	383,722
604	LEGAL RSRV	300,000	-	-	300,000	-	300,000
605	CBC	2,114,741	2,084,801	1,078,213	3,121,329	605,976	2,515,353
	<i>SUBTOTAL 1</i>	<i>2,791,241</i>	<i>2,814,378</i>	<i>1,391,290</i>	<i>4,214,329</i>	<i>1,015,254</i>	<i>3,199,075</i>
602	BABC	176,260	176,600	81,367	271,493	63,922	207,571
606	BACC	29,810	-	52,154	(22,344)	18,180	(40,524)
607	BACC LEGAL RSRV	30,000	30,000	-	60,000	-	60,000
610	WOT	270,974	-	-	270,974	-	270,974
	<i>SUBTOTAL 2</i>	<i>507,044</i>	<i>206,600</i>	<i>133,521</i>	<i>580,123</i>	<i>82,102</i>	<i>498,021</i>
	GRAND TOTAL	3,298,285	3,020,978	1,524,811	4,794,452	1,097,356	3,697,096

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 BILLED REVENUE TO- DATE	TOTAL DISBURSEMENTS TO-DATE	MONTH-ENDING FUND BALANCE	RECONCILIATION TO FINANCIAL STATEMENTS A/R	RECONCILIATION TO FINANCIAL STATEMENTS A/P	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	376,500	729,577	313,077	793,000	(304,861)	24,066	512,205	512,205	-	0%	-		priority # 3 for allocation
804	LEGAL RSRV	300,000	-	-	300,000	-	-	300,000	-	300,000	13%	-		priority # 1 for allocation
805	CBC	2,114,741	2,084,801	1,078,213	3,121,329	-	-	3,121,329	1,146,578	1,974,751	87%	-		priority # 2 for allocation
	<i>SUBTOTAL 1</i>	<i>2,791,241</i>	<i>2,814,378</i>	<i>1,391,290</i>	<i>4,214,329</i>	<i>(304,861)</i>	<i>24,066</i>	<i>3,933,534</i>	<i>1,658,783</i>	<i>2,274,751</i>	<i>100%</i>	<i>-</i>		
802	BABC	176,260	176,600	81,367	271,493	-	-	271,493	271,493	-	0%	-		pass-through funds, no allocation
806	BACC	29,810	-	52,154	(22,344)	-	-	(22,344)	(22,344)	-	0%	-		
807	BACC LEGAL RSRV	30,000	30,000	-	60,000	-	-	60,000	60,000	-	0%	-		
810	WOT	270,974	-	-	270,974	-	-	270,974	270,974	-	0%	-		pass-through funds, no allocation
	<i>SUBTOTAL 2</i>	<i>507,044</i>	<i>206,600</i>	<i>133,521</i>	<i>580,123</i>	<i>-</i>	<i>-</i>	<i>580,123</i>	<i>580,123</i>	<i>-</i>	<i>0%</i>	<i>-</i>		
	GRAND TOTAL	3,298,285	3,020,978	1,524,811	4,794,452	(304,861)	24,066	4,513,657	2,238,906	2,274,751	-			

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

Reconciliation to Trial Balance

<u>Per Report above:</u>		STB	14930	2,274,751	
General	2,814,378	STB	15050	2,238,906	
WOT, BABC, & BACC	206,600			4,513,657	-
PROP	-	STB	16300	304,861	
subtotal	3,020,978	STB	21350	(24,066)	
				4,794,452	-

Trial Balance Revenue Accounts

40100	Interest	(12,151)
40101	Mem Contrib	(1,378,100)
40102	Transfer	(30,000)
40103	Assoc Contrib	(186,845)
40104	Other	(1,413,882)
47310	State Grant	-
47320	Grant Retention	-
subtotal		(3,020,978)
Difference		-

BACWA Revenue Report as of December 31, 2022

Cost Center Code	Cost Center Description	Program Segment Description	Program Segment Value	Amended Budget	Current Period	FY23 - Year to Date	Unobligated
600	Bay Area Clean Water Agencies	BABC - AED and RPM Support	6200	(6,000.00)	-	-	6,000.00
		BACC - AED Support	6199	(36,000.00)	-	-	36,000.00
		BDO Affil/CS/Assoc Dues	6104	-	-	(38,846.00)	(38,846.00)
		BDO Affiliate/Associate Dues	6103	-	-	(43,575.00)	(43,575.00)
		BDO Assoc.&Affiliate Contr	6102	(187,793.00)	-	(104,424.00)	83,369.00
		BDO Fund Transfers	6141	(5,202.00)	-	-	5,202.00
		BDO Member Contributions	6101	(527,250.00)	-	(527,250.00)	-
		BDO Non-Member Contr AIR	6136	(7,217.00)	(5,873.00)	(7,217.00)	-
		BDO Non-Member Contr BAPPG	6135	(4,033.00)	5,873.00	(4,032.00)	1.00
		BDO Other Receipts	6105	-	-	-	-
		BDO Other Receipts (Misc)	6140	-	-	(2,653.00)	(2,653.00)
		BDO- Interest Income from LAIF	6142	(4,000.00)	-	(1,579.60)	2,420.40
		BDO-Alternative Investment Inc	6143	-	-	-	-
600 Total				(777,495.00)	-	(729,576.60)	47,918.40
602	Bay Area Biosolids Coalition	BDO Fund Transfers	6141		-	-	-
		BDO Member Contributions	6101		-	(176,600.00)	(176,600.00)
602 Total				-	-	(176,600.00)	(176,600.00)
605	Clean Bay Collaborative	BDO Fund Transfers	6141	-	-	-	-
		BDO Member Contributions	6101	(675,000.00)	-	(674,250.00)	750.00
		BDO Other Receipts	6105	(1,400,000.00)	-	(1,399,980.00)	20.00
		BDO- Interest Income from LAIF	6142	-	-	(10,571.17)	(10,571.17)
605 Total				(2,075,000.00)	-	(2,084,801.17)	(9,801.17)
606	Bay Area Chemical Consortium	BDO Member Contributions	6101	-	-	-	-
606 Total				-	-	-	-
607	BACC Legal RSRV	BDO Fund Transfers	6141	-	-	(30,000.00)	(30,000.00)
607 Total				-	-	(30,000.00)	(30,000.00)
Grand Total				(2,852,495.00)	-	(3,020,977.77)	(168,482.77)

BACWA Expense Detail Report for December 31, 2022

Cost Center Code	Program Segment Description	Program Segment Value	Balance Type	Current Period Activity	FY23 - Year to Date
600	AIR-Air Issues&Regulation Grp	6153	Actual	10,125.00	40,076.00
			Encumbrance	(10,125.00)	54,999.00
			Obligated	-	95,075.00
	AS-Assistant Executive Directo	6175	Actual	11,610.54	42,367.72
			Encumbrance	(11,610.54)	43,636.28
			Obligated	-	86,004.00
	AS-Audit Services	6180	Actual	-	-
			Encumbrance	-	-
			Obligated	-	-
	AS-BACWA Admin Expense	6173	Actual	-	-
			Obligated	-	-
	AS-EBMUD Financial Services	6176	Actual	-	13,339.03
			Encumbrance	-	29,957.97
			Obligated	-	43,297.00
	AS-Executive Director	6174	Actual	17,020.83	85,104.15
			Encumbrance	(17,020.83)	119,145.85
			Obligated	-	204,250.00
	AS-Insurance	6177	Actual	-	7,571.20
			Obligated	-	7,571.20
	AS-Regulatory Program Manager	6179	Actual	11,471.85	58,625.29
			Encumbrance	(11,471.85)	83,597.71
			Obligated	-	142,223.00
	Administrative Support	6178	Actual	-	-
			Obligated	-	-
	BC-BAPPG	6152	Actual	15,925.25	56,846.92
			Encumbrance	(5,925.25)	59,422.66
			Obligated	10,000.00	116,269.58
	BC-InfoShare Groups	6148	Actual	-	491.73
			Obligated	-	491.73
	BC-Laboratory Committee	6149	Actual	-	1,511.25
			Encumbrance	-	3,688.75
			Obligated	-	5,200.00
	BC-Manager's Roundtable	6154	Actual	-	-
			Obligated	-	-
	BC-Miscellaneous Committee Sup	6150	Actual	-	-
			Encumbrance	-	-
			Obligated	-	-
	BC-Permit Committee	6145	Actual	-	-
			Obligated	-	-
	BC-Pretreatment Committee	6151	Actual	-	-
			Obligated	-	-
	BC-Water Recycling Committee	6146	Actual	-	-
			Encumbrance	-	9,650.00
			Obligated	-	9,650.00
	CAR-BACWA File Storage	6165	Actual	-	-
			Obligated	-	-
	CAR-BACWA IT Software	6167	Actual	-	403.64
			Obligated	-	403.64
	CAR-BACWA IT Support	6166	Actual	-	-
			Encumbrance	-	-
			Obligated	-	-
	CAR-BACWA Website Dev/Maint	6163	Actual	75.00	75.00
			Obligated	75.00	75.00
	CAR-BACWA Website Hosting	6164	Actual	128.64	189.49
			Obligated	128.64	189.49
	CAS-Arleen Navaret Award	6160	Actual	-	-
			Obligated	-	-

Cost Center Code	Program Segment Description	Program Segment Value	Balance Type	Current Period Activity	FY23 - Year to Date
	CAS-BayCAN	6204	Actual	-	-
			Obligated	-	-
	CAS-Misc Collaborative Sup	6162	Actual	-	-
			Obligated	-	-
	CAS-Stanford ERC	6159	Actual	-	-
			Obligated	-	-
	GBS-Meeting Support-Annual	6170	Actual	-	-
			Obligated	-	-
	GBS-Meeting Support-Exec Bd	6169	Actual	389.95	404.45
			Obligated	389.95	404.45
	GBS-Meeting Support-Misc	6172	Actual	-	2,639.15
			Obligated	-	2,639.15
	GBS-Meeting Support-Pardee	6171	Actual	-	3,432.19
			Obligated	-	3,432.19
	LS-Executive Board Support	6156	Actual	-	-
			Encumbrance	-	2,309.00
			Obligated	-	2,309.00
	LS-Regulatory Support	6155	Actual	-	-
			Encumbrance	-	2,871.00
			Obligated	-	2,871.00
	WQA-CE-Nature Based Solutions	6196	Actual	-	-
			Obligated	-	-
	Write-Off Doubtful Accounts	6208	Actual	-	-
			Obligated	-	-
600 Total			Actual	66,747.06	313,077.21
600 Total			Encumbrance	(56,153.47)	409,278.22
600 Total			Obligated	10,593.59	722,355.43
602	AS-Assistant Executive Directo	6175	Actual	-	-
			Obligated	-	-
	AS-Regulatory Program Manager	6179	Actual	-	-
			Obligated	-	-
	Academia Research & Development	6203	Actual	-	25,000.00
			Obligated	-	25,000.00
	Administrative Support	6178	Actual	-	289.88
			Obligated	-	289.88
	BDO Contract Expenses	6186	Actual	-	-
			Obligated	-	-
	Collateral Development	6197	Actual	-	-
			Obligated	-	-
	Program Manager Expense	6202	Actual	16,642.50	56,077.54
			Encumbrance	(16,642.50)	63,922.46
			Obligated	-	120,000.00
602 Total			Actual	16,642.50	81,367.42
			Encumbrance	(16,642.50)	63,922.46
602 Total			Obligated	-	145,289.88
605	Recycled Water Evaluation	6198	Actual	-	-
			Encumbrance	-	23,992.35
			Obligated	-	23,992.35
	WQA - CEC Investigations	6201	Actual	-	9,452.30
			Encumbrance	-	251,173.70
			Obligated	-	260,626.00
	WQA-CE Addl Work Under Permit	6191	Actual	-	48,040.00
			Encumbrance	-	43,398.00
			Obligated	-	91,438.00
	WQA-CE Risk Reduction	6190	Actual	-	-
			Encumbrance	-	-
			Obligated	-	-
	WQA-CE Voluntary Nutr Contrib	6193	Actual	-	-

Cost Center Code	Program Segment Description	Program Segment Value	Balance Type	Current Period Activity	FY23 - Year to Date
	WQA-CE-Nature Based Solutions	6196	Obligated	-	-
			Actual	-	16,721.17
			Encumbrance	-	241,412.33
	WQA-CE-Nutrient WS Permit Comm	6188	Obligated	-	258,133.50
			Actual	-	1,000,000.00
			Obligated	-	1,000,000.00
	WQA-CE-Technical Support	6181	Actual	-	-
			Obligated	-	-
	WQA-NMSReviewer	6205	Actual	4,000.00	4,000.00
			Encumbrance	(4,000.00)	46,000.00
			Obligated	-	50,000.00
605 Total			Actual	4,000.00	1,078,213.47
605 Total			Encumbrance	(4,000.00)	605,976.38
605 Total			Obligated	-	1,684,189.85
606	Administrative Support	6178	Actual	7,920.00	22,116.52
			Encumbrance	(7,920.00)	18,180.00
			Obligated	-	40,296.52
	BDO Fund Transfers	6141	Actual	-	30,000.00
			Obligated	-	30,000.00
	GBS-Meeting Support-Misc	6172	Actual	-	37.50
			Obligated	-	37.50
606 Total			Actual	7,920.00	52,154.02
606 Total			Encumbrance	(7,920.00)	18,180.00
606 Total			Obligated	-	70,334.02
610	Administrative Support	6178	Actual	-	-
			Obligated	-	-
	BDO Contract Expenses	6186	Actual	-	-
			Obligated	-	-
610 Total			Actual	-	-
610 Total			Encumbrance	-	-
610 Total			Obligated	-	-
Grand Total Actual				95,309.56	1,524,812.12
Grand Total Encumbrance				(84,715.97)	1,097,357.06
Grand Total Obligated				10,593.59	2,622,169.18

Support for BACWA – Wastewater Public Education and Outreach Initiative

Bay Area Clean Water Agencies (BACWA)
Request for Qualifications

2/20/2023

Request for Qualifications

Support for BACWA's Public Education and Outreach Initiative

Introduction

The Bay Area Clean Water Agencies (BACWA) is a regional organization created by a joint powers agreement among the five largest wastewater treatment agencies in the San Francisco Bay Area. BACWA represents Bay Area wastewater agencies by undertaking relevant scientific and technical studies and research, and by participating in the development of national, state, and regional policies. BACWA's mission is to provide an effective regional voice for clean water agencies' stewardship of the San Francisco Bay's ecological, community, and economic resources.

BACWA is seeking assistance in developing and implementing a public outreach strategy. Historically, BACWA has largely served as a venue for communication between municipal wastewater agencies and regulators, NGOs, and other institutional entities, but has not interfaced directly with the public. BACWA is interested in raising the profile of clean water agencies within the SF Bay community, and highlighting our role in protecting the environment and serving the public. We have formed a Communications Steering Committee made up of a diverse group of members, who have developed goals and potential messaging elements for this effort, as described in Attachment A.

Request for Qualifications

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

Organization and Content of the Submittal

The Qualifications must be submitted in the form of a letter proposal with attached resume(s). Please limit the overall number of pages of the letter, excluding the resume(s), to 3 pages or less. If added pages are need please contact the BACWA [Executive Director](#), Lorien Fono, with the rationale.

Submittal

Please submit Qualifications via email to Lorien Fono (lfono@bacwa.org) by 5pm on Friday, March 10, 2023.

Consultant Selection

Following receipt of Qualifications, a Selection Committee made up of BACWA Board members, Communication Steering Committee members, and BACWA staff will evaluate the submittals. Based on submittals received, the Selection Committee will either recommend that BACWA solicit full proposals, or sole-source the contract based on the candidate with the strongest qualifications. Consultants submitting qualifications will be notified of BACWA's decision by Friday March 24, 2023.

Following Consultant selection, a Scope of Work and contract will be negotiated. The contract will specify billing for services on an hourly basis as required to complete the Scope of Work. The term of this agreement shall not extend beyond June 30, 2023 but may be extended for four additional one-year terms at BACWA's discretion, ending June 30, 2027. If, upon reaching the end of any one year term of the contract, the Board elects to extend the contract for another year, the amount of the extended contract will be negotiated at the time the contract is extended. It is anticipated that the level of effort for the current fiscal year will be approximately \$20,000, with budgeting for future fiscal years to be based on the objectives scoped out during this first contract. The BACWA standard consulting agreement will be used for this work (see attachment B).

ATTACHMENT A

Public Outreach Messages

ATTACHMENT B

Standard Agreement

Attachment A

BACWA's Public Outreach Messages

BACWA's core message for our communications initiative is that our members are **proud of our role in protecting the environment**. We are implementing projects that serve our community and protect San Francisco Bay water quality, as well as land and air resources.

The following are the elements of the core message we want to communicate to the public:

- In urban areas, wastewater travels through a collection system, is cleaned at a wastewater treatment plant, then is safely returned to the environment (flows to a local waterway Bay or Ocean), or is recycled
- We provide a core and reliable service to our communities that protects public health and the environment
- Besides conveying collecting and treating cleaning wastewater, we perform other services such as creating renewable energy, protecting air quality, responsibly managing carbon to mitigate climate change, educating customers about pollution prevention, and protecting the communities in which we operate
- We are scientific water quality experts funding and leading scientific research to better manage local waterways including. Examples:
 - We have been funding and are partners in a regional science program aimed at understanding impacts of nutrients in San Francisco Bay
 - We have been funding and are partners in long-term efforts to monitor water quality in San Francisco Bay
 - We are using this science to actively plan and implement new projects to protect the Bay
 - We participate in innovative projects to monitor COVID and other infectious diseases in wastewater
 - We are proactive in addressing source control for compounds of emerging concern such as microplastics and PFAS
 - We understand the multiple hazards posed by climate change and are working to adapt to them
- We are resilient in the face of multiple regional challenges

Where possible, we want to identify “calls to action” for public engagement

Tools for communication

BACWA's communication steering committee has developed several concepts to be explored to identify the most effective strategies for public communication. We are soliciting assistance in selecting the most effective strategy(ies):

- Op Ed columns in local news publications

- Talking points to be used by member agencies for incident response
- Development of a standalone website that is a landing spot for public communication about wastewater
 - Including “where does your wastewater go?” button for residents to identify their wastewater agency, and link to online content where available
- Direct social media/internet advertisements
- Unbranded content for BACWA member agencies to use for their social media engagement
- Solicitation of media content from BACWA member agencies
- Development of educational materials for media

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

Bay Area Clean Water Agencies (BACWA)
Request for Qualifications

2/20/2023

Request for Qualifications

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

Introduction

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

One of BACWA's key committees is the Bay Area Pollution Prevention Group (BAPPG). BAPPG develops a Bay-wide pollution prevention program, including regulatory advocacy, public education, and outreach on how Bay Area residents and businesses can protect San Francisco Bay by preventing pollution at the source.

BACWA seeks the services of an individual(s), a firm, or team (Consultant) to provide support for BAPPG. The Consultant will conduct professional training and provide research and regulatory support (including but not limited to pesticides, pharmaceuticals, and dental mercury). The Consultant will specifically:

1. Conduct outreach to professionals and, as needed, develop and training workshops. The focus is expected to be on dental mercury and pesticides but consultants should have the expertise and experience to also provide trainings regarding other pollutants of concern.
2. Consultant will be on-call to develop regulatory letters, conduct literature reviews, or provide other technical support. Topics could include but are not limited to metals, pesticides, nutrients, PFAS, FOG, trash/wipes, and emerging constituents.
3. Prepare relevant outreach sections to the BAPPG Annual Report to be submitted to the BACWA Board of Directors. Participate in BACWA Pesticide Committee meetings. Present to BAPPG meeting once a year to provide significant update of technical topics.

Request for Qualifications

BACWA is issuing this Requesting for Qualifications from Consultants interested in providing outreach support to BAPPG, as a first step in a competitive qualification based process. Consultants submitting their Qualifications should have a technical background in pollution prevention and experience working with professional organizations and educational institutions.

Organization and Content of the Submittal

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

Submittal

Please submit Qualifications via email to Mary Cousins (mcousins@bacwa.org) by 5pm on Monday, May 1, 2023.

Consultant Selection

Following receipt of Qualifications, a Selection Committee made up of BACWA Board members, BAPPG Steering Committee members, and BACWA staff will evaluate the submittals. Based on submittals received, the Selection Committee will either recommend that BACWA solicit full proposals, or sole-source the contract based on the candidate with the strongest qualifications. Consultants submitting qualifications will be notified of BACWA's decision by May 31, 2023.

Following Consultant selection, a Scope of Work and contract will be negotiated. The contract will specify billing for services on an hourly basis as required to complete the Scope of Work. The contract will begin July 1, 2023. The term of this agreement shall not extend beyond June 30, 2024 but may be extended for four additional one-year terms at BACWA's discretion, ending June 30, 2028. If, upon reaching the end of any one-year term of the contract, the Board elects to extend the contract for another year, the amount of the extended contract will be negotiated at the time the contract is extended. The BACWA standard consulting agreement will be used for this work (see attachment A).

ATTACHMENT A

Standard Agreement

WHAT’S NEXT

By 2025, as a first step in implementing these priorities, the SPM Work Group and Urban Subgroup call on the state to develop a plan, funding mechanisms, and programs to prioritize pesticides for reduction, and to support the practice change necessary to transition away from the use of high-risk pesticides in agricultural and nonagricultural settings.

No one recommendation—or even one leverage point—will, on its own, bring about systemic change. To meet the 2050 goals, the full breadth of the Roadmap must be implemented. In addition, the Roadmap recommendations can only be effectively implemented if the entire system is working together to create the conditions necessary for these outcomes to be realized. Please join us in making this bold vision a reality!



SPM WORK GROUP MEMBERS

- JEANETTE ACOSTA**
Weaving Earth

JENNY BROOME
Driscoll's

DON CAMERON
Terranova Ranch

CASEY CREAMER
California Citrus Mutual

JIM FARRAR
UC Statewide Integrated Pest Management Program (UC IPM)

CHRIS GEIGER
Formerly, San Francisco Dept. of the Environment

KIM HARLEY
School of Public Health, UC Berkeley

LISA HERBERT
Sutter County Agricultural Commissioner

NINA F. ICHIKAWA
Berkeley Food Institute

DAN KAISER
Environmental Defense Fund

MARGARET LLOYD
UC Cooperative Extension

SUGUET LÓPEZ
Líderes Campesinas

GABRIELE LUDWIG
Almond Board of California
- PAM MARRONE**
Invasive Species Control Corporation

NAYAMIN MARTINEZ
Central California Environmental Justice Network

JOHN MCKEON
Taylor Farms

CLIFF OHMART
Pest Control Advisor (PCA)

SCOTT PARK
Park Farming Organics

MARGARET REEVES
Pesticide Action Network

TAYLOR ROSCHEN
Formerly California Farm Bureau

SARAH RYAN
Big Valley Band of Pomo Indians

DANIEL SONKE
Blue Diamond Growers

PAUL WALGENBACH
Bayer Crop Science

RON WHITEHURST
Rincon-Vitova Insectaries

HOUSTON WILSON
UC Riverside and UC Organic Agriculture Institute

URBAN SUBGROUP MEMBERS

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Urban-Ag Ecology Consulting
- LILIAN CHOY**
Housing Authority of the City of Los Angeles
- CHRIS GEIGER**
Formerly, San Francisco Dept. of the Environment
- SYLVIA KENMUIR**
BASF
- KELLY MORAN**
San Francisco Estuary Institute
- DAVE TAMAYO**
County of Sacramento Stormwater Program
- DARREN VAN STEENWYK**
Clark Pest Control
- KAREY WINDBIEL-ROJAS**
UC Statewide Integrated Pest Management Program (UC IPM)

FACILITATION TEAM

- AIMEE RYAN**
Ag Innovations
- KATY MAMEN**
Ag Innovations
- GENEVIEVE TAYLOR**
Ag Innovations

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Formerly, California Environmental Protection Agency
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- GUADALUPE GARCIA**
Ag Innovations
- JUDIE TALBOT**
Ag Innovations

ACCELERATING

SUSTAINABLE PEST MANAGEMENT: EXECUTIVE SUMMARY

A ROADMAP FOR CALIFORNIA

THE SPM WORK GROUP AND URBAN SUBGROUP

DEVELOPED BY:

Members of the Sustainable Pest Management Work Group and Urban Subgroup

IN COLLABORATION WITH:

California Department of Pesticide Regulation
California Department of Food and Agriculture
California Environmental Protection Agency

FACILITATED BY:

Ag Innovations

PUBLISHED:

January 2023

ORIGIN

While much progress has been made in recent decades by a wide range of entities to transition to safer and more sustainable pest management practices, more work is clearly needed. Despite California’s strict regulatory system and robust risk assessment process, there are still chemical tools in use that can cause harm to humans and the environment. The California Department of Pesticide Regulation (DPR), the California Environmental Protection Agency (CalEPA), and California Department of Food and Agriculture (CDFA) launched the Sustainable Pest Management (SPM) Work Group, as part of the State of California’s commitment to accelerating the transition away from high-risk pesticides¹ toward adoption of safer, sustainable pest control practices.

SPM WORK GROUP

Thirty-three leaders representing diverse interests were charged with aligning on a pathway to minimize reliance on the use of toxic pesticides and promote solutions that protect health and safety, are agronomically and economically sound, eliminate racial and other disparities, and engage, educate, and promote collaboration toward safe, sustainable pest management practices in production agriculture. Twenty-five of the Work Group members focused on agriculture, and eight focused on urban issues.

URBAN SUBGROUP

While most people associate pesticide use with agricultural settings, there is significant use and impact in urban settings. Based on limited current data, nonagricultural uses account for between 35-55 percent of pesticide sales (pounds sold), 16-19 percent of reported pesticide use (pounds applied primarily by licensed applicators), and 65-75 percent of reported pesticide-related illnesses.² DPR invited nine leaders to collaboratively develop guidance on where and how to focus DPR resources, as well as other recommendations for ways that DPR and other entities might support urban sustainable pest management in California.

APPROACH

The SPM Work Group and Urban Subgroup developed this report “Accelerating Sustainable Pest Management: A Roadmap for California,” hereafter referred to as simply the “Roadmap,” through focus groups, learning journeys, a systems assessment, stakeholder feedback, and months of dialogue. Leaders representing a wide range of interests in the system, including production agriculture, farmworker and rural communities, Tribes, urban communities, socially disadvantaged and historically marginalized communities, the pest control sector, chemical input companies, government, supply chain companies, academia, environmental sciences, public health, and technical assistance, were asked to think holistically and work collaboratively in developing a roadmap that would advance pest management in California.

¹ The SPM Work Group and Urban Subgroup define “high-risk pesticides” as active ingredients that are highly hazardous and/or formulations or uses that pose a likelihood of, or are known to cause, significant or widespread human and/or ecological impacts from their use.
² Ranges provided by DPR for the four most recent years of data available through the pesticide mill reporting (2018-2021), pesticide use reporting (2018-2021), and pesticide illness surveillance program (2016-2019).

Sustainable pest management (SPM) is a process of continual improvement that integrates an array of practices and products aimed at creating healthy, resilient ecosystems, farms, communities, cities, landscapes, homes, and gardens. SPM examines the interconnectedness of pest pressures, ecosystem health, and human wellbeing. SPM asks each of us to become an active participant and an informed steward in the effort to enhance a healthy, thriving California.

Sustainable Pest Management (SPM) is a holistic, whole-system approach applicable in agricultural and other managed ecosystems and urban and rural communities that builds on the concept of integrated pest management (IPM) to include the wider context of the **three sustainability pillars** ►



Like IPM, SPM guides pest management decisions, and includes a wide range of tools and approaches. SPM goes beyond a checklist of practices or products to address: **1. Impacts on communities, and equity, 2. Linkages to broader environmental issues such as water conservation, biodiversity conservation, soil health, and climate impact, 3. A broader consideration of economic benefits and impacts.**

By 2050, pest management approaches in both agricultural and urban contexts in California will promote human health and safety, ecosystem resilience, agricultural sustainability, community wellbeing, and economic vitality. The implementation of these approaches will help steward the state's natural and cultural resources, enabling healthy lives for all and an abundant, healthy food supply for future generations.

2050 GOALS FOR CALIFORNIA PEST MANAGEMENT

2 **BY 2050...**

Sustainable pest management has been adopted as the de facto pest management system in California.

The following are the Work Group and Urban Subgroup's keystone actions - those that are urgent and foundational to the success of our collective efforts towards safer, sustainable pest management:

C Invest in Building SPM Knowledge

Significantly invest in SPM-focused research and outreach so that all pest management practitioners have equal and adequate access to the support and resources necessary to develop and implement their own SPM system.

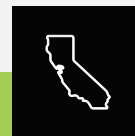
Expand funding and infrastructure for urban SPM research, innovation, and outreach to align with and reflect the volume and impacts of pesticides used in urban contexts.

Create mechanisms to improve DPR's registration review process and to prioritize and expedite safer, more sustainable alternative products to high-risk pesticides, and improve processes for evaluating currently registered pesticides.

- Significantly expand and fully fund health & environmental monitoring infrastructure, data collection, and interpretation.

“Priority Pesticides,” which we are intentionally capitalizing, refer to pesticide products, active ingredients, and groups of related products within the context of specific product uses or pest/location use combinations that have been deemed to be of greatest concern and warrant heightened attention, planning, and support to expedite their replacement and eventual elimination. The criteria for classifying pesticides as “Priority Pesticides” includes, but is not limited to hazard and risk classifications,³ availability of effective alternative products or practices,⁴ and special consideration of pest management situations that potentially cause severe or widespread adverse impacts. The identification of these Priority Pesticides will be conducted by DPR under advisement of the multistakeholder Sustainable Pest Management Priorities Advisory Committee. Priority Pesticides are a subset of high-risk pesticides. We define “high risk” pesticides as active ingredients that are highly hazardous and/or formulations or uses that pose a likelihood of, or are known to cause, significant or widespread human and/or ecological impacts from their use.

The keystone actions above are part of a complete and interconnected set of recommendations developed by the SPM Work Group and Urban Subgroup, which fall into the following leverage points in the system—places where sustained and focused effort lead to outsize effect in moving the system toward a greater state of health.



- 1 Update California's pest prevention, exclusion and mitigation systems.
- 2 Improve California's pesticide registration and continuous evaluation.
- 3 Strengthen coordinated SPM leadership structures.



- 4 Enhance knowledge, research, and technical assistance.
- 5 Align pest control advisors with SPM.
- 6 Reduce economic risk for growers transitioning to SPM.
- 7 Activate markets to drive SPM.



- 8** Enhance data and information collection for urban pesticide use.
- 9** Advance research and outreach on urban pest management issues.
- 10** Make SPM the preferred choice for both licensed and unlicensed users.
- 11** Refocus urban design, building codes, and regulations to enhance pest prevention.

4 Consideration of alternative products or consideration of the availability of multiple techniques and products to prevent resistance development and when the product under review has no viable alternatives. Viability includes but is not limited to the variables of efficacy, affordability, and availability. Preventive practices include methods of biological and cultural ecosystem management that minimize pest problems and the need for pest control.



BACWA-BAAQMD Implementation Workgroup Meeting Agenda

Date: February 9, 2023
Time: 1-3 pm
Zoom Link: Link is provided in meeting invite
Call-in: Included in meeting invite

- 1) **Introductions**
- 2) **Overview of Previous Meeting: Decisions, Action Items, and Next Steps**

Action item	Status	Next steps	Feb 9 New action items
a) Engage in strategic planning with new Executive Officer and/or go to Finance and Budget Committee to request more staff be assigned to permitting	New EO (Dr. Philip Fine) appointed Dec 21 st and his start date is Feb 21 st	Outlook on leadership and staffing.	BACWA to follow up on SP process in a few months. Engage with Budget committee on staffing allocation
b) BACWA to remind AIR Committee members that they should ask for extensions on source testing from Enforcement staff, not source testing staff (<i>BACWA AIR Committee Meetings</i>)	Need feedback from BAAQMD	Confirmation of authority for granting extensions.	Pam to identify lead in enforcement division to engage with BACWA.
c) Send the standard permit conditions markups to Sanjeev (<i>BACWA</i>)	Delivered	Discussion of next steps.	Sanjeev to review SPCs. Brenda and Sanjeev to respond to edits and propose additional SPCs for BACWA review.
d) BACWA to work with Jerry on standard formatting for source test results to improve reporting quality and efficiency (<i>BACWA/BAAQMD</i>)	Pending	Discussion of next steps. Get input on what methods could be approved.	Elaine will confer with Jerry and Marco on next steps, then follow up with BACWA.

e) BAAQMD / CASA Air Toxics meeting week of Nov 28 (BACWA)	Took place Dec 5 th and continued coordination via CASA	Status update and discussion of alignment between CARB process and 11-18.	Lorien will send out a doodle for the next air toxics meeting to review compound list and facilities list.
f) Review PM 2.5 Local Risk Method document(BACWA AIR Committee)	Complete – Draft posted	Discussion of next steps	BACWA will monitor community advisory council meetins. monitor Stationary Source, Advisory Council and Community Advisory Council agendas, because different aspects of this will be heard at each over the course of the year.

Lorien to send invite to annual meeting

BACWA to start on report to the Board. Greg will identify meeting for this items.

3) Outlook for 2023

- a) Strategic Planning with the New Executive Officer – How does BACWA engage in Strategic Planning?
- b) Reopening of Permitting Rules – What is the schedule and drivers?

4) Other Opportunities for Collaboration between BACWA and BAAQMD

5) Report-out to BAAQMD Board on Workgroup items

- BACWA proposes to develop report for BAAQMD staff to review.
- Connect with new EO prior to report to the Board.

6) Action Item Summary

- 7) **Schedule Next Quarterly Meeting:** Monday, April 24th
1-3pm Finalize report to the Board

8) Adjourn



Resources for Implementation of Reissued Sanitary Sewer Systems General Order (SSS-WDR)

The Statewide Waste Discharge Requirements for Sanitary Sewer Systems (SSS-WDR) General Order has been reissued as [Order WQ-2022-0103 DWQ](#). The effective date is June 5, 2023.

Timing	BACWA Actions	SSS-WDR Enrollees
Before June 5, 2023	<ul style="list-style-type: none"> • Training. Participate in Clean Water Summit Partners webinar(s). • Direct members to CWEA and other vendor training events. • Continuing Coverage. Coordinate with Clean Water Summit Partners and State Water Board to conduct member outreach and develop guidance materials to ensure continuing coverage for enrollees. • Guidance. Develop scope for additional guidance materials (e.g., audits and SSMP updates). 	<ul style="list-style-type: none"> • Training. Attend training events to learn about new requirements. • Continuing Coverage. Certify continuing coverage in CIWQS between April 5 and June 4. • Update existing Overflow Emergency Response Plans to become Spill Emergency Response Plans. Submittal is not required. • Designate Legally Responsible Official in CIWQS, if needed. • Upload Existing Sewer System Management Plan (SSMP) to CIWQS.
June 2023- April 2024	<ul style="list-style-type: none"> • Discussion Forum. Provide a forum for members to discuss compliance with the reissued SSS-WDR. • Develop and/or distribute guidance materials related to submittal of newly formatted Annual Reports. 	<ul style="list-style-type: none"> • Spill Reporting. Comply with revised monitoring and reporting requirements, including new Category 4 and lateral spill reporting procedures. • The first Annual Report is due April 1, 2024.
2023 – 2025	<ul style="list-style-type: none"> • Guidance. Develop additional guidance materials (e.g., audits and SSMP updates) or templates • Continue to coordinate with Clean Water Summit Partners and State Water Board on other statewide guidance materials. 	<ul style="list-style-type: none"> • SSMP Updates per the reissued SSS-WDR are due in 2025 or 2026. • SSMP Audits per the reissued SSS-WDR are due in 2024 or 2025. • Boundary Maps are due in 2025.

Additional Resources



CARB CTR Two-Step Process (Air Toxics Pooled Emissions Estimation Program II)

DRAFT Breakdown Estimate by Average Dry Weather Flow (MGD) and by Study Step/Fiscal Year

Entered Data
Carried Over
Calculation

Estimated Number of CTR Facilities	147
Approximate Total Permitted ADWF (MGD)	4700
Estimated Total Budget (USD)	\$10,000,000
Percent of Total Budget (%)	100%
Estimated Cost per permitted ADWF (\$/MGD)	\$2,100
Example cost in a given year for a 10 MGD Facility	10
Example cost in a given year for a 65 MGD Facility	65

Step 1: Scan	Step 2: Quantification		Final Report
FY 23-24	FY 24-25	FY 25-26	FY 26-27
\$2,000,000	\$5,000,000	\$2,000,000	\$1,000,000
20%	50%	20%	10%
\$400	\$1,100	\$400	\$200
\$4,000	\$11,000	\$4,000	\$2,000
\$26,000	\$71,500	\$26,000	\$13,000




B A C W A
BAY AREA
CLEAN WATER
AGENCIES

BAY AREA CLEAN WATER AGENCIES
ANNUAL MEETING ROGRAM
May 5 2023
David Brower Center
Berkeley, CA

TIME	DESCRIPTION	SPEAKER
8:30am - 9:00am	Coffee in the lobby	
9:00 am - 9:15 am	Welcome/Introduction Year in Review	Amit Mutsuddy, BACWA Chair/ EBMUD Lorien Fono, BACWA
9:15 am - 10:30 am	Regulator Priorities Bay Area Air Quality Management District EPA San Francisco Bay Regional Water Board staff State Water Resources Control Board staff Q&A	Moderator: Greg Nudd/Phil Fine Tom Mumley/Eileen White Karen Mogus
10:30 am - 11:00 am	Break - Coffee and snacks in the foyer	
11:00 am - 12:40 pm	Nutrients - Moderated Discussion Overview (5min) Science Update (10min) Regulatory Perspective (10 min) GAR, Management Alternatives, and Recycled Water (10 min) NBS (5min) Facilitated Discussion	Moderator: Lorien Fono, BACWA David Senn, SFEI Tom Mumley R2 Mike Falk, HDR Ian Wren, Baykeeper and SFEI
12:40 pm - 1:40 pm	Lunch - On the terrace	
1:40 pm - 1:50 pm	BACWA Leadership Recognition	Amit Mutsuddy, BACWA Chair/City of San José
1:50 pm - 3:20 pm	BACWA Hot Topics PFAS Study - Phase 2 results Issues in AIR Regulatory Compliance Biosolids - a changing landscape Sanitary Sewer Systems General Order Extreme Precipitation DEIJ	Moderator: Diana Lin, SFEI Courtney Mizutani, Mizutani Environmental Sarah Deslauriers, Carollo Mary Cousins, BACWA Flood control? Report-out from workshop? Case study?
3:20 pm - 3:30 pm	Annual Meeting Wrap-Up	Amit Mutsuddy, BACWA Chair/EBMUD
3:30pm	Adjourn - Social hour	

Draft FY 2024 Budget

		Final	DRAFT		
<u>BACWA FY23 BUDGET</u>	<u>Line Item Description</u>	<u>FY23 Budget</u>	<u>FY24 Budget</u>	<u>% change</u>	<u>FY24 NOTES</u>
REVENUES & FUNDING					
Dues	Principals' Contributions	\$527,250	\$537,795	2%	FY24: 2% increase 5 @ \$107,559
	Associate & Affiliate Contributions	\$187,793	\$190,078	2%	FY24: 2% increase. 12 Assoc: \$8876 47 Affiliate: \$1778
Fees	Clean Bay Collaborative	\$675,000	\$675,000	0%	Same as FY23. Prin: \$450,000; Assoc/Affil: \$225,000
	Nutrient Surcharge	\$1,400,000	\$1,400,000	0%	See Nutrient Surcharge Spreadsheet
	Member Voluntary Nutrient Contributions				
Other Receipts	AIR Non-Member	\$7,217	\$7,361	2%	2% increase (Santa Rosa)
	BAPPG Non-Members	\$4,033	\$4,114	2%	2% increase (Sta Rosa, Sac Reg'l, Vacaville) \$1,380/each
	Other				
Fund Transfer	Special Program Admin Fees (WOT)	\$5,202	\$1,000	-80%	
	BACC Admin Fees	\$36,000	\$38,250	7%	400 hours of AED support \$96.30/hr
	BABC Admin Fees	\$6,000	\$6,000	0%	ED, AED and RPM support
	CASA Air toxics passthrough		\$xx		new line item in FY24
Interest Income	LAIF	\$4,000	\$60,000	0%	BACWA, Legal, & CBC Funds invested in LAIF
	Higher Yield Investments				
	Total Revenue	\$2,852,495	\$2,919,598		
EXPENSES					
Labor					
	Executive Director	\$204,250	\$218,548	7%	7% (incl 4.9% CPI SF Bay Metro Area Dec 2022)
	Assistant Executive Director	\$86,004	\$92,024	7%	7% (incl 4.9% CPI SF Bay Metro Area Dec 2022); \$76.69/hour; Reflects 1200 hours
	BACC Administrator	\$36,000	\$38,520	7%	400 hrs AED support at \$96.30 per hr
	Regulatory Program Manager	\$142,223	\$152,179	7%	7% (4.9% CPI SF Bay Metro Area Dec 2022); \$112.72/hour, Reflects 1350 hours
	Total	\$468,477	\$501,271		
Administration					
	EBMUD Financial Services	\$43,297	\$43,297	0%	FY24 no change
	Auditing Services	\$5,452	\$5,561	2%	Finanical Auditors through EBMUD; per auditor rate schedule
	Administrative Expenses	\$8,118	\$8,118	0%	FY24 no change
	Insurance	\$8,132	\$9,351	15%	15% increase from FY23 (10-15% est. increase per Alliant)
	Total	\$64,999	\$66,327		
Meetings					
	EB Meetings	\$2,706	\$2,760	2%	2% increase from FY23
	Annual Meeting	\$14,369	\$14,369	0%	FY24 no change
	Pardee	\$6,668	\$6,801	2%	2% increase from FY23
	Misc. Meetings and conferences	\$5,412	\$7,500	30%	30% increase from FY23 to accommodate conferences

Draft FY 2024 Budget

EXPENSES					
	Total	\$29,155	\$31,430		
Communication					
	Website Hosting / Domain registration	\$714	\$728	2%	2% increase from FY23, Go Daddy website hosting and domain registration
	File Storage	\$780	\$796	2%	2% increase from FY23, box.net
	Website Development/Maintenance	\$1,561	\$1,592	2%	2% increase from FY23
	IT Support (As Needed)	\$2,705	\$2,759	2%	2% increase from FY23
	BACWA Value of Wastewater Communication		\$40,000		New line item in FY24
	Other Communication	\$1,821	\$1,857	2%	2% increase from FY23; MS Exchange, Survey Monkey, PollEv, Zoom, Netfile
	Total	\$7,581	\$47,732		
Legal					
	Regulatory Support	\$2,871	\$2,929	2%	2% increase from FY23
	Executive Board Support	\$2,309	\$2,355	2%	2% increase from FY23
	Total	\$5,181	\$5,284		
Committees					
	AIR	\$76,000	\$76,000	0%	\$75k consulting support, \$1k misc expenses
	AIR support for ACE	\$20,000	\$20,000	0%	New in FY23
	BAPPG	\$130,000	\$159,000	17%	Includes CPSC @ \$5,000, OWOW @ \$10,000, NSAC @ \$10,000 and Pest. Reg Spt. @ \$71,500
	Biosolids Committee	\$0	\$0		
	Collections System	\$1,000	\$56,000	56%	SSS WDR Support
	InfoShare Groups	\$1,000	\$500	-50%	\$500 decrease from FY23
	Laboratory Committee	\$6,400	\$4,050	-37%	\$2,350 less than FY23, TNI training
	Permits Committee	\$1,000	\$500	-50%	\$500 decrease from FY23
	Pretreatment	\$1,000	\$500	-50%	\$500 decrease from FY23
	Recycled Water Committee	\$20,000	\$10,000	-50%	Carry forward from FY23
	Misc Committee Support	\$45,000	\$45,000	0%	Same as FY23
	Manager's Roundtable	\$1,000	\$1,000	0%	Same as FY23
	Total	\$302,400	\$372,550		
Collaboratives					
	Collaboratives				
	State of the Estuary (SFEP-biennial)	\$20,000	\$0	0%	Biennial in Odd Fiscal Years. (Paid biennially in odd years for even year conference)
	Arleen Navarret Award	\$2,500	\$2,500	0%	Likely pay FY24 award in FY25 depending on timing of awardee's conference
	BayCAN	\$5,000	\$5,000	0%	
	Stanford ERC (ReNUWit)	\$0			Program is sunseting
	Bay Area One Water Network	\$5,000	\$5,000	0%	Same as FY23
	Bruce Wolfe Scholarship	\$4,000	\$4,000	0%	FY22, FY23, FY24, FY25 FY26
	Passthrough to CASA for air toxics		\$xx		new line item in FY24
	Misc	\$1,500	\$1,500	0%	NBWA
	Total	\$38,000	\$18,000		
Other					
	Unbudgeted Items				

Draft FY 2024 Budget

<u>EXPENSES</u>					
	Other	\$0			
		\$0			
Tech Support					
	Technical Support				
	Nutrients				
	Watershed Permit NMS Contribution	\$1,800,000	\$1,800,000	0%	Advance funding for 2nd Watershed Permit Sciece Studies; Final \$ TBD
	NMS Voluntary Contributions	\$0			
	Additional work under permit	\$100,000	\$100,000	0%	Includes HDR PO for \$225k spread out over FY20-24.
	Regional Study on Nature Based Systems	\$248,811	\$100,000	-59%	SFEI \$500K, expires 06/30/2022; Possible funds left over from FY23 to be spent on additional work
	Regional Recycling Evaluation	\$63,525	\$0		HDR \$154K, expires 12/31/2023
	Nutrient Workshop(s)	\$0	\$0		Pilot Studies/Plant Review/Innovative Technologies; Might change
	NMS Reviewer	\$50,000	\$50,000	0%	M. Connor Contract
	General Tech Support	\$100,000	\$100,000	0%	AB617 emissions factors, PFAS, other nutrient support
	CEC Investigations	\$140,000	\$60,000	-57%	PFAS Study Phase II completion
	Risk Reduction	\$12,500	\$12,500	0%	APA FSS completed \$12,500 contract in FY20, CIEA will complete \$12,500 contract in FY23
	Total	\$2,514,836	\$2,222,500		
	TOTAL EXPENSES	\$3,430,628	\$3,265,095		
	NET INCOME BEFORE TRANSFERS	-\$578,133	-\$345,497		
	TRANSFERS FROM RESERVES	\$578,133			aligns with strategy of drawing down reserves to lessen impact of Nutrient Surcharge
	NET INCOME AFTER TRANSFERS	\$0			
	TOTAL OPERATING BUDGET	\$915,792			
	OPERATING RESERVE	\$228,948			

Nutrient Surcharge													
		2nd watershed permit calcs											
BACWA Agency	Subembayment	2019/20	2021/2022	2022/23	Average of Oct 2019 - Sept 2022 (3 Years)	% (based on TIN) FY23	% (based on TIN) FY24	FY 23 Nutrient Surcharge*	FY 24 Nutrient Surcharge*	% Change from FY23 to FY24	\$ \$ Change from FY23 to FY24	% Change in Load FY23 to FY24	% Change in % Contribution from FY22 to FY23 (New Metric)
Basis for Allocation								TIN (Oct 2018- Sept 2021)	TIN (Oct 2019- Sept 2022)				
Amount Needed Science Funding								1,400,000	1,400,000				
CCCSD	Suisun Bay	3,980	4,260	4,160	4,133	8.08%	8.66%	\$113,065	\$121,245	6%	\$ 8,180	3%	7%
EBDA	South Bay	8,950	7,710	7,900	8,187	16.94%	17.15%	\$237,125	\$240,143	1%	\$ 3,017	-3%	1%
EBMUD	Central Bay	9,320	8,630	9,890	9,280	18.32%	19.44%	\$256,486	\$272,214	5%	\$ 15,727	2%	6%
San Jose	Lower South Bay	4,880	4,080	3,450	4,137	9.71%	8.67%	\$135,903	\$121,342	-9%	\$ (14,561)	-14%	-11%
SFPUC Southeast	South Bay	7,210	6,500	6,880	6,863	15.15%	14.38%	\$212,031	\$201,325	-4%	\$ (10,706)	-9%	-5%
American Canyon	San Pablo Bay	33.1	17.8	18.9	23.3	0.06%	0.05%	\$829	\$682	-13%	\$ (146)	-21%	-18%
Benicia	San Pablo Bay	211	228	211	217	0.44%	0.45%	\$6,212	\$6,356	2%	\$ 143	-2%	2%
Burlingame	South Bay	460	402	349	404	0.89%	0.85%	\$12,481	\$11,841	-5%	\$ (640)	-9%	-5%
CMSA	Central Bay	1,170	1,090	1,030	1,097	2.27%	2.30%	\$31,767	\$32,169	1%	\$ 402	-3%	1%
Crockett (Port Costa)	San Pablo Bay	1.45	1.29	2.22	1.65	0.00%	0.00%	\$32	\$48	36%	\$ 16	44%	50%
Delta Diablo	Suisun Bay	1,330	1,210	1,100	1,213	2.71%	2.54%	\$37,970	\$35,591	-5%	\$ (2,379)	-10%	-6%
FSSD	Suisun Bay	1,040	1,010	1,120	1,057	2.13%	2.21%	\$29,887	\$30,996	3%	\$ 1,108	0%	4%
Las Gallinas ^(b)	San Pablo Bay	160	128	53.1	113.7	0.30%	0.24%	\$4,145	\$3,335	-17%	\$ (810)	-23%	-20%
MSD 5 (Tiburon & Paradise Cove)	Central Bay	35.59	42.82	57.656	45.355	0.09%	0.10%	\$1,221	\$1,330	7%	\$ 109	5%	9%
Millbrae	South Bay	288	278	245	270	0.57%	0.57%	\$8,008	\$7,930	-1%	\$ (78)	-5%	-1%
Mt. View	Suisun Bay	112	99.2	70.6	93.9	0.22%	0.20%	\$3,066	\$2,755	-8%	\$ (310)	-14%	-10%
Napa SD	San Pablo Bay	152	41.1	119	104	0.34%	0.22%	\$4,719	\$3,052	-25%	\$ (1,667)	-38%	-35%
Novato SD	San Pablo Bay	112	94.5	92.2	99.6	0.27%	0.21%	\$3,802	\$2,921	-18%	\$ (881)	-26%	-23%
Palo Alto	Lower South Bay	2,220	1,950	2,150	2,107	4.35%	4.41%	\$60,903	\$61,796	1%	\$ 893	-2%	1%
Petaluma	San Pablo Bay	6.68	5.31	7.14	6.38	0.02%	0.01%	\$340	\$187	-39%	\$ (153)	-47%	-45%
Pinole	San Pablo Bay	232	273	410	305	0.49%	0.64%	\$6,880	\$8,947	24%	\$ 2,067	25%	30%
Rodeo SD	San Pablo Bay	38.7	31.6	50.8	40.4	0.07%	0.08%	\$1,021	\$1,184	14%	\$ 163	12%	16%
SFO Airport	South Bay	25.2	55.1	72.8	51.0	0.13%	0.11%	\$1,760	\$1,497	-9%	\$ (263)	-18%	-15%
San Mateo	South Bay	1,330	1,380	1,390	1,367	2.85%	2.86%	\$39,850	\$40,089	1%	\$ 239	-3%	1%
Sausalito-Marin City SD	Central Bay	124	141	116	127	0.27%	0.27%	\$3,750	\$3,725	-1%	\$ (25)	-5%	-1%
Sewerage Agency of SM	Central Bay	219	227	227	224	0.44%	0.47%	\$6,175	\$6,580	6%	\$ 406	2%	7%
Sonoma Co Water Ag	San Pablo Bay	0	0	0.871	0.290	0.02%	0.00%	\$281	\$9	-84%	\$ (273)	-97%	-97%
SVCW	South Bay	2,590	2,410	2,670	2,557	5.13%	5.36%	\$71,805	\$74,996	4%	\$ 3,191	0%	4%
South SF	South Bay	1,160	1,160	1,030	1,117	2.44%	2.34%	\$34,117	\$32,756	-4%	\$ (1,361)	-8%	-4%
Sunnyvale	Lower South Bay	810	900	846	852	1.80%	1.79%	\$25,132	\$24,992	0%	\$ (140)	-4%	-1%
Treasure Island	Central Bay	20.9	19	16.9	18.93	0.04%	0.04%	\$506	\$555	10%	\$ 50	6%	10%
Vallejo Sanitation & FCD	San Pablo Bay	851	849	826	842	1.76%	1.76%	\$24,699	\$24,699	0%	\$ (1)	-4%	0%
West County Agency	Central Bay	799	761	763	774	1.72%	1.62%	\$24,032	\$22,714	-5%	\$ (1,318)	-9%	-5%
		49,872	45,985	47,325	47,727								
Principals Only		34,340	31,180	32,280	32,600	68.19%	68.30%	\$954,611	\$956,269				
Total w/o principals		15,532	14,805	15,045	15,127	31.81%	31.70%	\$445,389	\$443,731				
Total						100.00%	100.00%	\$1,400,000	\$1,400,000				

From: Joe Neugebauer <jneugebauer@wcwd.org>
Sent: Monday, February 6, 2023 1:17 PM
To: Jennifer Dymment <jdymment@bacwa.org>
Subject: RE: FY24: BAPPG Committee

Hi Jennifer,

I'm sorry, I thought I had sent it to you but going back through my emails it looks like I didn't. I guess I got confused with my communications with the BAPPG steering committee. Anyway, it's attached here. We had to add a little bit to each account compared to last year because of inflation. We are also asking that BACWA increase our funding to the National Stewardship Action Council (NSAC) from \$5,000 to \$10,000. Below is justification for the increase in case you or someone else on the BACWA board asks...

The NSAC is working with LA County on a possible EPR ordinance for all HHW including pesticides. This could translate and be very helpful to other counties with the goal of using that as a model for potential state legislation. They are also supporting the state legislation to ban PFAS and other problematic chemicals from plastics, as well as tracking the implementation of the bills they helped pass including AB 707 and AB 732 on mercury thermostats and starting next year, the sales ban on mercury-containing CFLs (AB 2208). They will be tracking compliance with AB 808 (wipes labeling bill) and putting pressure on wipes manufacturers to comply with the "Do Not Flush" labeling requirement and public outreach funding to the Responsible Flushing Alliance (RFA). Due to staffing and capacity limitations, they are requesting an additional \$5,000 of funding for FY2024.

Let me know if you need anything else. Again, sorry for the mix-up!

Joe Neugebauer (HE, HIM, HIS) | Environmental Services Manager
jneugebauer@wcwd.org | O: (510) 837-6230 | C: (510) 812-8274



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BAPPG Budget FY23 and FY24

	FY23	FY24
Policy, Regulatory and Professional Training Support (Hughes)	16,000.00	19,000.00
Media Consultant (SGA)	30,000.00	32,000.00
Pesticide Regulatory Assistance (Hughes)	60,000.00	71,500.00
Our Water Our World Program	10,000.00	10,000.00
National Stewardship Action Council	5,000.00	10,000.00
California Product Stewardship Council	5,000.00	5,000.00
Website Consultant	600.00	660.00
<u>Other Projects</u>		
Unplanned Issues	4,000.00	4,400.00
Total BAPPG Budget	130,600.00	152,560.00

Lorien Fono

From: Jennifer Dymment
Sent: Tuesday, January 31, 2023 8:18 AM
To: Lorien Fono
Subject: FW: BACWA Collection System Committee - Budget Request

FYI ..

From: Damron, Andrew <adamron@napasan.com>
Sent: Tuesday, January 31, 2023 6:24 AM
To: Jennifer Dymment <jdymment@bacwa.org>
Cc: Jackson, Tyree A <TAJackson@oaklandca.gov>; Mary Cousins <mcousins@bacwa.org>
Subject: BACWA Collection System Committee - Budget Request

Hi Jennifer –

The Collection System Committee would like to request the following budget for FY24, as follows:

\$500	Miscellaneous committee activities (lunch or speaker)
\$500	BACWA cost-sharing for SSS-WDR Training Events to be hosted by Summit Partners
\$5,000	Member training for SSS-WDR (consultant support)
\$50,000	Consultant support to create SSS-WDR guidance materials and/or templates. This is a placeholder value for a contract that could be in the \$30-\$50k range. We will be discussing further at our February Collection System committee meeting. Conceptually, an RFQ would be issued in spring 2023. The contract start date would be in FY24.
\$56,000	Total

Contact us with questions.

Andrew Damron, PE

Technical Services Director | District Engineer
NapaSan | 1515 Soscol Ferry Road, Napa CA 94558
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adamron@NapaSan.com | www.NapaSan.com

Lorien Fono

From: Bialorucki, Samantha <Samantha.Bialorucki@CityofPaloAlto.org>
Sent: Tuesday, January 31, 2023 5:32 PM
To: Jennifer Dymont; Lorien Fono
Cc: Mary Cousins; Blake Brown
Subject: BACWA laboratory Committee Budget Request
Attachments: Quotation_BACWA Lab Committtee_Task 1_TNI 2016 Standard Training_Rev 0_20230130.pdf

Hi Jennifer and Lorien,

Please consider this a formal request for \$4,050.00 for our laboratory committee funds for this FY23/24. The majority of the funds (not to exceed \$ 3,900) are needed for continued help for our laboratories to become compliant with the upcoming TNI 2016 standard (TNI minus 2) requirements. We would like to continue to work with Quality Assurance Solutions (QAS) on this journey. For the rest of the funds (\$150.00) we would like to reserve for a future social event for our members.

Task - July 1st 2023 to June 30th 2024 – Monthly Training Support for the TNI 2016 Standard, Rev 2.1 Minus 2 (CA ELAP).

- Monthly webinar training via MS Teams or Zoom (or equivalent links provided by BACWA) for training its Laboratory committee members on implementation of the TNI 2016 Standard, Rev. 2.1:
- The training shall be offered monthly for 12 months during the time period for up to 2.0 hours by the Consultant. The Consultant will answer questions presented by attendees in advance of the meeting, during the meeting, or after the meeting via Chat Log.
- Focused topics or retraining may be offered for areas of the accreditation TNI standard covered during past trainings; July 1, 2021 to the present.

I recommend that BACWA proceed with QAS's proposal (attached) as the BACWA laboratory committee members need this type of support, especially as the TNI 2016 (minus 2) deadline for compliance is drawing near (January 01, 2024). The current BACWA training is always well attended and proving this type of information is vital to the lab community.

Thank you please let me know if you have any questions.



Samantha Bialorucki

Manager of Laboratory Services

Public Works

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Management Information Needs from Modeling (February 10, 2023)

Managers are interested in predicting the impacts on Bay water quality resulting from wastewater nutrient load reductions using a series of modeling simulations. The purpose of this brief document is to provide background information to the MAG concerning the types of decisions managers will need to make and how modeling may be able to help inform these decisions.

Planned Modeling Scenarios

This document uses the short-hand term “non-anthropogenic factors” to refer to the conditions in modeling scenarios that do not involve nutrient loads. The non-anthropogenic factors defined for the modeling domain that are specified as inputs for the duration of the simulation include meteorological conditions including sunlight, wind and cloud cover, ocean boundary conditions including tides and salinity, freshwater inflows from the tributaries, and light extinction derived from observed suspended sediment concentrations. In addition, other non-anthropogenic factors such as grazing by zooplankton and clams can be simulated within the models based on specified initial biomass levels and growth parameters for the grazers. The model can also simulate phytoplankton growth with various model input parameters that can be tailored to represent the potential for growth of different kinds of phytoplankton. This could include the temperature and salinity preferences, sensitivity to light and the ability to move vertically within the water column. The latter behavioral attribute is important because many harmful species have this swimming ability.

The scientific team is beginning to understand how these non-anthropogenic boundary conditions relate to the potential for phytoplankton growth. The modeling team and stakeholders can create a family of scenarios that would adapt the non-anthropogenic inputs to create a higher or lower potential for phytoplankton growth. We also can estimate how frequently some of these non-anthropogenic inputs may reach critical conditions (i.e., the return frequency for that event) that may affect the growth potential for primary producers within the Bay (for example, how often can a high runoff event of a certain magnitude change the conditions for primary production). Using the probabilistic return frequency of some of the inputs, it is possible to assess the growth potential for phytoplankton using the model. In this way we hope to investigate whether the change in the non-anthropogenic factor would produce “moderate growth potential” or a “high growth potential”. By imposing changes to multiple non-anthropogenic inputs and simulating the model over a longer time horizon it is possible to determine the return frequency of a “moderate” or a “high growth potential” condition.

The other important inputs for the water quality simulations are nutrient loads from wastewater facilities and other sources. Once we have created sets of these non-anthropogenic factors representing different phytoplankton growth potential, we intend to use these condition sets to investigate the impact of wastewater nutrient load reductions on three endpoints: chlorophyll-a, dissolved oxygen and the risk of a HAB event. We can investigate the impact of various magnitudes of load reduction for all facilities or perhaps a group of facilities in the vicinity of

phytoplankton growth “hot spots” identified through modeling or monitoring. The modeling team would investigate several plausible nutrient load reduction scenarios for each of the non-anthropogenic input scenarios. We are also hoping to use the model to investigate the impact of time-varying effluent loads vs. constant loads since averaging period is a component of the effluent limitation calculations that will need to be made by the Water Board. In addition to informing management decisions about long-term load reductions at wastewater facilities, another management question of interest is whether interventions are possible just before or during a bloom. The model development team has been making model updates based on observations to simulate the HAB bloom that was observed in July and August 2022. There is still uncertainty, however, about bloom initiation and the factors that ended the bloom. Accurately simulating chlorophyll and DO observations from the 2022 summer bloom is an important line of evidence to allow us to understand what happened. We hope to gain insights on bloom dynamics through careful study of this event but must exercise caution about extending lessons from this single event to a range of possible HAB events. Despite these caveats, we would like to use this “event-based” model to explore whether or not drastic and temporary management interventions (e.g., introduction of sediment to impact light availability, spot algaecide treatment, retaining wastewater effluent) might have an effect on bloom dynamics and thus could be used as emergency management tools during or before a bloom.

Expected model outputs

The model simulates phytoplankton growth (expressed as chl-a) and dissolved oxygen in grid cells all throughout the Bay at pre-specified snapshots in time (typically hourly to daily) over the course of the simulation (generally several months to several years). From this output, we can assess in great detail the spatial extent, magnitude, and duration of high chl-a and low DO conditions within the Bay. Since the model will be run with several levels of load reductions combined with different sets of non-anthropogenic inputs, we expect to have a family of “dose-response” curves for each combination of non-anthropogenic inputs. The response will be some (statistical) description of the spatial extent, magnitude, duration, and frequency of the changes in chl-a and DO, and the dose will be the nutrient load. The dose-response information will likely show that there are differences in chl-a and DO outcomes based on how conducive the physical conditions are for phytoplankton growth and for different scales of load reductions.

How do we relate model output to water quality objectives and beneficial uses?

This wealth of simulated data creates an interpretation challenge because we need to find a way to relate spatial extent, magnitude, duration, and frequency of low DO and high chl-a to beneficial use[1] impairment or support. In other words, what is the combination of these four measures that signifies non-attainment of water quality objectives? The model will likely demonstrate high chl-a and low DO, when they occur, are generally localized and temporary. Stakeholders and managers will need to decide how to interpret these rich model outputs (and their uncertainty) in the framework of water quality objective attainment.

The nutrients discharged to the Bay from wastewater and other sources do not typically directly harm beneficial uses. We are not planning on trying to demonstrate non-attainment of nutrient objectives because we do not have numeric water quality objectives for nutrients (except for unionized ammonia). The harm to beneficial uses from nutrient inputs is mediated through the growth of phytoplankton and the consequences of that growth. There are two primary channels

through which phytoplankton growth could lead to non-attainment of objectives and threaten beneficial uses in San Francisco Bay: depression of DO and production of HAB toxins.

DO is relatively straightforward because the model predicts DO directly, and there is a numeric objective in the Basin Plan (Water Quality Control Plan for San Francisco Bay). The model will tell us, for a given non-anthropogenic input change scenario, the spatial extent and duration of low DO (below the objective) for different levels of nutrient load reductions. Managers will have to make choices about which scenario (of non-anthropogenic inputs) to rely on and what magnitude, duration, extent, and frequency of DO non-attainment they are prepared to accept and still claim that the DO objective is achieved enough of the time to protect beneficial uses. This is a challenging decision, but managers can work through this problem with stakeholders and the science team.

The other channel through which phytoplankton growth could lead to non-attainment of objectives and threaten beneficial uses is through HAB impacts. HAB toxins could harm aquatic life, and this would imply non-attainment of the Basin Plan's biostimulatory substances narrative objective (see footnote). In general, higher phytoplankton concentrations are associated with higher risk of HABs. In reality, sometimes a bloom involves a non-HAB species like diatoms, and sometimes the bloom involves HABs. Diatom-dominated blooms could cause low DO, but they would not produce HAB toxins. So, it is possible to have high chl-a and not have HABs, but impactful or consequential HABs concentrations (that will harm beneficial uses) will generally occur only at high chl-a concentrations.

Since the model cannot directly predict if a HAB will occur, we must figure out how to relate the simulated chl-a concentrations with HABs, and this is challenging. We have developed a statistical relationship between chl-a and HABs ([Sutula et al. 2017](#)), but the relationship is uncertain because of limitations in the original data used to develop them. We hope to improve this relationship so that we can identify more precisely the chl-a level that is associated with an increased risk of HABs concentrations sufficient to impair beneficial uses.

What specific decisions will the modeling inform?

The Water Board will eventually need to calculate nutrient effluent limitations for wastewater discharges. The calculations will be informed by the results of the modeling investigation, which will illuminate the scale of load reductions required to protect beneficial uses. The modeling can probably provide information on DO impacts that the Water Board can use to choose the load reductions associated with an acceptable level of impact. The Water Board also intends to make use of the modeling results for chl-a to assess achievement of the narrative biostimulatory objective. Using the model to define a chl-a state that constitutes non-achievement of this narrative objective may be less certain than the DO analysis, however. Managers will have to work with stakeholders and the science team to contend with remaining uncertainties and decide how to use the modeling results for both DO and chl-a as it relates to HAB risk.

[1] Beneficial uses are the resources, services, and qualities of aquatic systems that are the ultimate goals of protecting and achieving high water quality. The beneficial uses relevant for our work involve protecting aquatic life. There are a variety of numeric and narrative water

quality objectives established that relate to beneficial use protection. For example, the numeric DO objective to protect aquatic life in the Bay is 5.0 mg/L. There is a narrative objective (not numeric) for biostimulatory substances as well.

Waters shall not contain biostimulatory substances in concentrations that promote aquatic growths to the extent that such growths cause nuisance or adversely affect beneficial uses. Changes in chlorophyll a and associated phytoplankton communities follow complex dynamics that are sometimes associated with a discharge of biostimulatory substances. Irregular and extreme levels of chlorophyll a or phytoplankton blooms may indicate exceedance of this objective and require investigation.

Stakeholder Questions to Address through Model applications

Besides supporting permitting decisions as described above, POTW stakeholders would like to gain insight on how potential management actions will impact modeled water quality (i.e. ambient nutrient concentrations, chlorophyll, and DO). Having this tool to understand the system will help justify rate increases, and support other fundraising for nutrient load reductions.

- What is the sensitivity of the model to reduced nutrient loads from POTWs?
 - Will modeled ambient nutrient concentrations respond quickly to a short-term reduction in loads, i.e. if agencies held their discharge for a number of days?
 - How long would it take for the system's modeled water quality to reflect long-term, durable, nutrient reductions?
 - What is the minimum load reduction that would lead to observable changes in modeled water quality?
 - What are the changes in modeled water quality at different levels of nutrient reductions? We'd like to look at different scenarios (i.e. 25%, 50%, 75% reductions)
 - Are changes in modeled water quality linear with nutrient reductions? Do we get increased or decreased incremental returns with incremental nutrient reductions?
- What is the sensitivity of the model to a range of climatic and meteorological conditions?
- Can the model inform location-based nutrient loading changes?
 - Are changes to water quality observable if the total loads remain the same, but the geographical distribution changes (i.e. near shore versus deep water discharges)
 - Do nutrient load reductions from some agencies have more of an impact on modeled water quality than load reductions at other agencies?

We would also like to hear from the Modeling advisory group about ways in which the model may be useful in gaining insight as to the risk, or return frequency, in future HAB events.

**San Francisco Bay Nutrient Management Strategy (NMS)
Modeling Advisory Group (MAG) Meeting
February 15 – 16, 2023**

Meeting Location: San Francisco Estuary Institute, 4911 Central Ave, Richmond, CA 94804

Meeting Goals:

1. Discuss the context and key information needs that should be generated by the review that is relevant for 2023 management decisions;
2. Provide feedback on status of model validation and provide specific recommendations on how to improve model confidence; and
3. Discuss the readiness of the model to inform management actions and appropriate ways to use the model to inform those decisions.

Charge Question #1: Comment on the status of model validation in the context of relevant science and management applications and provide specific recommendations for how to improve confidence in the model (e.g. data gaps and/or model refinement)

Charge Question #2: Comment on the readiness of model and status of science to support near term management decisions, including actions to reduce the risk of HABs

Meeting Materials:

- Prioritized reading can be found here
- Optional reading can be found here

AGENDA

February 15, 2023 (pacific time)

- 8 am** **Light breakfast with managers, welcome, introductions and goals and overview of charge questions for the meeting** (Martha Sutula, SCCWRP, MAG Chair);
- Recap of on-going and evolving priorities/goals (SFEI)
 - High level update on long-term modeling applications (5-yr modeling plan)
 - High level update on recent HAB activities (unplanned)
 - Charge questions (SCCWRP)
- 8:30 am** **Discussion of management's needs on modeling and MAG feedback**
- Regulator perspective: pending decisions and science/modeling needs
 - San Francisco Water Board (10 mins)
 - POTW perspective: science/modeling needs
 - Bay Area Water Quality Agency (10 mins)
 - Facilitated Discussion (all) (30 mins)

Intended outcome: MAG understands the context and the key information needs that should be generated from the review.

9:30 am Break

10:00 am Status of model validation

Charge Question #1: Comment on the status of model validation metrics in the context of relevant science and management applications

- SFEI: Summary of modeling performance criteria, validation results, and sensitivity analysis
- Facilitated discussion

Intended outcome: MAG has an opportunity to address remaining questions about status of validation and prepare the MAG for discussion the next day to provide direction on focal areas for model improvements and methods for applications

12:30 pm Lunch

1:30 pm Use of model to investigate causal drivers of recent HAB event and to inform near-term management decisions

Charge Question #2: Comment on the readiness of model and status of science to support near term management decisions, including actions to reduce the risk of HABs

- SFEI presentation on model application
 - High-level summary of HAB hypotheses and observations (recap of last meeting)
 - Summary of HAB model applications to date
 - Anticipated data in the near-term to support interpretations
- Facilitated discussion

2:45 pm Break

3:15 pm HAB Discussion continued

Intended outcome: MAG has sufficient opportunity to understand and comment on model's ability to simulate HAB-like events, and prepare MAG for answering questions on the readiness of HAB model application/modeling approach for near-term (2023) management questions

4:45 pm Wrap up and preview of Day 2 agenda

5 pm Adjourn

February 16, 2023

8:00 am	Light breakfast, summary of previous day and goals for Day 2 (Sutula, SCCWRP)
9:30 am	MAG closed session and discussion of charge questions <ul style="list-style-type: none"> • Discussion of charge questions • Drafting of report/oral presentation
12 noon	Working lunch (short break, food delivered)
2 pm	MAG-SFEI technical discussion of feedback <ul style="list-style-type: none"> • MAG report out on charge questions and exchange with SFEI/managers • In-depth discussion of two charge questions <p>Output: MAG provides initial (oral) feedback on validation, sensitivity analyses, additional info needed to evaluate model performance, and applications to inform management decisions</p>
3:45 pm	MAG report out on charge questions
4:50 pm	Wrap up and next steps
5:00 pm	Adjourn

5 Year Plan to Eliminate Excess Reserves (CBC @ \$1,000,000) - \$2.2M/yr NMS payment through FY24										
			2022 (actual)	2023 (adopted)	2023 (projected)	2024 (proposed)	3rd WS PERMIT(tbd) 2025 proposed	2026 proposed	2027 propose	2028 propose
REVENUES										
	Dues	Principals' Contributions	\$516,910	\$527,250	\$527,250	\$537,795	\$548,551	\$559,522	\$570,712	\$582,127
		Assoc. & Aff. Contributions	\$183,175	\$187,793	\$187,793	\$190,078	\$193,880	\$197,757	\$201,712	\$205,747
	Fees	Clean Bay Collaborative Fee	\$675,000	\$675,000	\$675,000	\$675,000	\$675,000	\$675,000	\$675,000	\$675,000
		Nutrient Surcharge	\$1,700,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000
		Member Vol. Nutrient Contributions	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Other Receipts	Non-BACWA AIR	\$7,074	\$7,217	\$7,217	\$7,361	\$7,509	\$7,659	\$7,812	\$7,968
		Non-BACWA BAPPG Fee	\$3,954	\$4,033	\$4,033	\$4,114	\$4,196	\$4,280	\$4,365	\$4,453
		Other	\$3,601			\$0	\$0	\$0	\$0	\$0
	Fund Transfer	Special Program Admin Fees (WOT, BABC, BACC)	\$34,644	\$47,202	\$47,202	\$45,250	\$46,155	\$47,078	\$48,020	\$48,980
	Investment Income	LAIF	\$6,312	\$4,000	\$15,000	\$60,000	\$4,000	\$4,000	\$4,000	\$4,000
		Higher Yield Investments	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL REVENUES			\$3,130,670	\$2,852,495	\$2,863,495	\$2,919,598	\$2,879,290	\$2,895,296	\$2,911,622	\$2,928,274
EXPENSES										
	Labor		\$380,607	\$468,477	\$468,477	\$501,271	\$516,309	\$531,798	\$547,752	\$564,185
	Administration		\$45,084	\$64,999	\$64,999	\$66,327	\$67,654	\$69,007	\$70,387	\$71,794
	Meetings		\$13,286	\$29,155	\$29,155	\$31,430	\$32,059	\$32,700	\$33,354	\$34,021
	Communication		\$2,638	\$7,581	\$7,581	\$27,732	\$28,287	\$28,852	\$29,429	\$30,018
	Legal		\$120	\$5,181	\$5,181	\$5,284	\$5,390	\$5,497	\$5,607	\$5,720
	Committees		\$216,735	\$303,000	\$303,000	\$366,110	\$303,000	\$366,110	\$303,000	\$366,110
	Collaboratives		\$10,500	\$38,000	\$38,000	\$18,000	\$38,360	\$16,627	\$39,460	\$17,749
	Other			\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Technical Support	Nutrients								
		Permit Req'm't for Science Funding	\$2,200,000	\$2,200,000	\$2,200,000	\$2,200,000	\$1,700,000	\$1,700,000	\$1,700,000	\$1,700,000
		NMS Advance on Future Funding	\$0	(\$400,000)	(\$400,000)	(\$400,000)				
		NMS Voluntary Contributions	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Additional Work Under Permit	\$26,602	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
		Nature Based Solutions Study	\$41,091	\$248,811	\$140,000	\$100,000	\$0	\$0	\$0	\$0
		Regional Recycling Report	\$43,198	\$63,525	\$63,525	\$0	\$0	\$0	\$0	\$0
		3rd WSP Special Studies					\$100,000	\$100,000	\$100,000	\$0
		Member Voluntary Contributions	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Nutrient Workshops	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		NMS Reviewer	\$12,750	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
		General Tech Support	\$0	\$100,000	\$50	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
		CEC Investigations	\$101,014	\$140,000	\$80,000	\$60,000	\$40,000	\$40,000	\$40,000	\$40,000
		Risk Reduction	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500	\$12,500
	Total Technical Support		\$2,437,155	\$2,514,836	\$2,246,075	\$2,222,500	\$2,102,500	\$2,102,500	\$2,102,500	\$2,002,500
TOTAL EXPENSES			\$3,106,125	\$3,431,229	\$3,162,468	\$3,238,654	\$3,093,558	\$3,153,092	\$3,131,489	\$3,092,097
NET INCOME BEFORE TRANSFERS			\$24,545	(\$578,734)	(\$298,973)	(\$319,056)	(\$214,268)	(\$257,796)	(\$219,868)	(\$163,823)
TRANSFERS TO(+)/FROM(-) RESERVES			\$24,545	(\$578,734)	(\$298,973)	(\$319,056)	(\$214,268)	(\$257,796)	(\$219,868)	(\$163,823)
RESERVES										
	Operating Target	\$200,000								
	Legal Target	\$300,000								
	CBC Target	\$1,000,000								
	Target Reserves	\$1,500,000								
	Total Reserves at End of FY22		\$3,001,806		\$2,702,833	\$2,383,777	\$2,169,509	\$1,911,713	\$1,691,846	\$1,528,023
	Amt. Above CBC Target End of FY 21 (projected)		\$1,501,806		\$1,202,833	\$883,777	\$669,509	\$411,713	\$191,846	\$28,023

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	Nutrient Surcharge		\$1,700,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,500,000	\$1,600,000	\$1,700,000	\$1,700,000
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Other				\$0	\$0	\$0	\$0	\$0	\$0	\$0
Technical Support	Nutrients									
	Permit Req'm't for Science Funding		\$2,200,000	\$2,200,000	\$2,200,000	\$2,200,000	\$2,200,000	\$2,200,000	\$1,900,000	\$1,900,000
	NMS Advance on Future Funding		\$0	(\$400,000)	(\$400,000)	(\$400,000)				
	NMS Voluntary Contributions		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	Regional Recycling Report		\$43,198	\$63,525	\$63,525	\$0	\$0	\$0	\$0	\$0
	3rd WSP Special Studies						\$100,000	\$100,000	\$100,000	\$0
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	CEC Investigations		\$101,014	\$140,000	\$80,000	\$60,000	\$40,000	\$40,000	\$40,000	\$40,000
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TOTAL EXPENSES			\$3,106,125	\$3,431,229	\$3,162,468	\$3,238,654	\$3,593,558	\$3,653,092	\$3,331,489	\$3,292,097
NET INCOME BEFORE TRANSFERS			\$24,545	(\$578,734)	(\$298,973)	(\$319,056)	(\$614,268)	(\$557,796)	(\$119,868)	(\$63,823)
TRANSFERS TO(+)/FROM(-) RESERVES			\$24,545	(\$578,734)	(\$298,973)	(\$319,056)	(\$614,268)	(\$557,796)	(\$119,868)	(\$63,823)
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CBC Target		\$1,000,000								
Target Reserves		\$1,500,000								
Total Reserves at End of FY22			\$3,001,806		\$2,702,833	\$2,383,777	\$1,769,509	\$1,211,713	\$1,091,846	\$1,028,023
Amt. Above CBC Target End of FY 21 (projected)			\$1,501,806		\$1,202,833	\$883,777	\$269,509	(\$288,287)	(\$408,154)	(\$471,977)

BACWA EXPENDITURES PER FISCAL YEAR ON NUTRIENT SCIENCE

<u>Description</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>Total</u>
1st SFEI Contract w/BACWA	\$325,000											
2nd SFEI Contract w/ BACWA	\$350,000											
1st WS Permit Science Funding			\$880,000	\$880,000	\$880,000	\$880,000	\$880,000					
								\$2,600,000	\$2,600,000	\$2,200,000	\$1,800,000	
Assessment Framework critique					\$43,000							
Program Coordination pilot					\$100,000							
NMS Reviewer									\$13,350	\$12,750		
Sunnyvale voluntary expenditures					\$60,000							
Palo Alto voluntary expenditures					\$30,000	\$30,000						
CCCSD voluntary expenditures					\$195,000							
BACWA voluntray science funding						\$200,000	\$200,000					
Totals	\$675,000	\$0	\$880,000	\$880,000	\$1,308,000	\$1,110,000	\$1,080,000	\$2,600,000	\$2,613,350	\$2,212,750	\$1,800,000	\$15,159,100
Grand Total												

Note: costs reflect only direct expenditures attributed only to nutrients from BACWA Operating or CBC funds and do not include BACWA staff costs, or other miscellaneous expenses (i.e. meetings, communications, legal, etc.); nor do the expenditures include any funds spent by BACWA members agency (i.e. permit costs such as approximately \$1M by CCCSD, or other captial/operating expenditures)

Planning Subcommittee (PSC) Meeting No. 74
February 1, 2023
9:30 am – 12 pm
Teleconference
Chair: Tom Mumley
Meeting Notes

Attendees: Eric Dunlavey, Dave Senn, Kevin Lunde, Ian Wren, Richard Looker, Lorien Fono, Amit Mutsuddy, Tom Mumley.

1. Previous Action items from the planning subcommittee:

- Water Board to synthesize Lake Merritt Monitoring data – no updates
- BACWA to deliver short term scenarios to the NMS for testing by the end of March – on track.
- Restart steering committee action item table – Ian will do this before the March Steering Committee meeting.

2. Science Program Update

Dave gave a presentation at the CWEA P3S conference.

The group just submitted a proposal to NOAA MERHAB for \$3M for harmful algae monitoring which would be spent over 5 years. The solicitation is heavily geared to the work we're doing, and we can show that we've made a major investment (\$1.9M) in HAB research. If funded, one of the goals would be to develop a remote sensing program where chlorophyll is calibrated to observed data gathered through cruises. Taxonomy would be carried out by optimizing broadscan methods, with qPCR for high-priority harmful algal species. The imaging flow cytobot is not included in the proposal due to the cost for its startup and maintenance. An outcome would be a HAB dashboard with real-time and remote sensing data.

3. Priority Updates

Report-outs

Amit gave an update on work EBMUD is doing with the Lake Merritt institute and Baykeeper on top-down control of *heterosigma akashiwo* or other harmful algal species. They are also working to do split-stream treatment this summer to get 20-30% decrease in nutrient removal.

Tom is prosecuting an enforcement case where the party is open to supporting an SEP for ~\$250K. These funds could be used to address the shortfall in this year's budget in response to the bloom.

Baykeeper has been pushing to have an item presented to the Water Board on the HAB bloom and management actions – both on the Bay as well as nutrient reduction. This will be later this spring.

The RMP has agreed in principal that they should be prepared to provide monitoring on an emergency basis for a broad range of events.

FY 24 Schedule

The March 10 Steering Committee meeting will be used as a technical update and include nutrient management discussions. The May meeting will include FY24 approvals. In the future we will plan for the Fall, Winter, and Spring.

The next PSC meeting will be rescheduled to Feb 22.

4. Discussion/Planning Topics

Martha joined the meeting. Richard Looker gave an overview of the document that he developed in collaboration with BACWA to inform permitting discussions that impact modeling . The two Basin Plan objectives that are applicable are DO and the biostimulatory objective. The DO is much easier to implement with support from the model. We need to ask the MAG how to use the model to support management needs. BACWA and the Water Board agreed that that the charge questions are sufficient for the meeting. They are fairly generic, but this will give MAG members latitude for adding value to the discussion. They could be updated to reflect the model's ability to hindcast vs. forecast. Martha suggested adding a question about quantifying uncertainty.

In the opening session, BACWA and the Water Board will present their management needs and give the opportunity to answer questions from the MAG. We need specific management needs tied into timeframe.

5. Action items :

- Water Board to synthesize Lake Merritt Monitoring data (approx. 1 months)
- BACWA to deliver short term scenarios to the NMS for testing by the end of March
- Restart steering committee action item table
- Agendize planning for HAB response plan in terms of enhanced monitoring, communications protocol, and mitigation
- Plan Water Board item on the HAB and management actions

Committee Request for Board Action: None

34 attendees (all participating remotely) representing 16 member agencies

Regional Recycled Water Study Update

Mike Falk (HDR) provided [slides](#) summarizing the progress of the Recycled Water Evaluation that is being conducted in compliance with the 2nd Nutrient Watershed Permit. Production of draft individual agency reports is wrapping up in January, and HDR plans to present Baywide tables at the committee's March meeting. Individual plant reports will require sign-off by each agency. The draft overall report will be circulated for review in mid-April. Separately, BACWA's [Group Annual Report](#) will include calculations of diverted nutrients based on recycled water volumes reported for 2020 and 2021.

Volumetric Annual Reporting

The State Water Board's [volumetric annual reporting](#) tool for 2022 is available in [Geotracker](#) (see [Help Guide](#)). The 2022 reporting year module includes an optional question regarding potential future increases in recycled water production. Responses will be used to inform State Water Board-led actions under the [CA Water Supply Strategy](#), which calls for 0.8 million acre-feet of recycled water by 2030 and 1.5 million acre-feet by 2040 (approximately double current production).

Funding Updates

Sachi Itagaki (Kennedy Jenks) provided an update on state and federal funding opportunities:

- USBR's WaterSMART [Title XVI water recycling and desalination planning](#) applications are due February 28th.
- Applications for USBR's WaterSMART [Environmental Water Resource Projects](#) are due March 28th
- [Recycled Water Facilities Planning Grants](#) continue to be available, for up \$500,000 at a 50% match.
- No recycled water projects will be included in the Bay Area IRWM funding application to be submitted in February.
- The deadline for [urban community drought relief](#) grants from DWR is January 31st. Recycled water projects that provide immediate relief to potable water supplies are eligible.

City of Hayward Recycled Water Project

The City of Hayward's Suzan England (Utilities Engineering Manager) and Cheryl Muñoz (Water Resources Manager) provided an introduction to the City's recently completed Phase 1 Recycled Water Project. Slides are available [here](#). The project began with a feasibility study in 2007, then Facility Plans in 2009 and 2013. Design and construction were completed from 2017 to 2020, and project startup was completed in 2022. The system includes 8.5 miles of purple pipeline and provides about 0.3 MGD (average demand) to 31 landscape irrigation customers, including parks, schools, and private businesses. Most of the customer retrofits were completed in 2021. The initial plan was to use an existing tertiary treatment system located adjacent to the plant at Russell City Energy Center, but these plans fell through. As a result, the project required construction of a 0.5-MGD package membrane treatment facility that was delivered in a shipping container, as well as a 1-MG storage tank. The tank is used to meet peak demand and is also needed to provide sufficient chlorine contact time. The City is now preparing a Recycled Water Master Plan to identify infrastructure expansion needs for Phase 2 and beyond.

Site Supervisor Training Update

A subcommittee is continuing to develop a site supervisor training video. The committee has provided video clips and a script to the video editor for final editing.

Legislation and Regulatory Update

Two sets of recycled water regulations are expected in 2023:

- [Direct Potable Reuse regulations](#) are required to be adopted by December 31, 2023. To meet that schedule, draft regulations for public comment will likely be released soon. CASA and WaterReuse previously provided [comments](#) on portions of the draft regulations and [expert panel findings](#).
- [Onsite Non-potable Reuse](#) are also under development by the Division of Drinking Water. Melissa Gunter (Regional Water Board) noted that they have provided comments, but there is not a schedule for release of draft regulations.

The legislative session for 2023 is just beginning, and there are no updates yet.

Next Meeting – Tuesday, March 21, 2023, 10:30 am – Hybrid format, Zoom and In-Person at EBMUD

Committee Request for Board Action: Consideration of budget requests for FY24.

30 attendees (all participating remotely) representing 20 member agencies and the Regional Water Board.

Regional Water Board Announcements

Alessandra Moyer (RWQCB) reminded the group that Pollution Prevention reports are due February 28th for most agencies. Tips from her December 2022 presentation are available [here](#).

Updates on Committee Activity and Announcements

- Pesticides Subcommittee: California Department of Pesticide Registration and partner agencies have released a [Sustainable Pest Management Roadmap](#) for the state. The roadmap includes recommendations for urban pesticide use, including data collection and outreach topics. The pesticides subcommittee will likely submit comments on implementation (the deadline is March 13th).
- Budget. Joe shared that BAPPG has submitted a budget request to BACWA for FY24 with budget increases to account for inflation and to increase support for the [National Stewardship Action Council](#).
- Outreach / Marketing: SGA's final report from the fall FOG campaign is posted [here](#).
- BACWA Announcements: BACWA plans to issue an RFQ for general public outreach related to wastewater collection and treatment. Members shared updates to the potential vendor list for the RFQ.
- CWEA. The [CWEA Annual Conference](#) will be held in San Diego from April 18-21.
- Website. Zoe Lake (EBMUD) asked members to fill out a survey on use of the [Baywise website](#).

Social Media Presentation and Discussion

The group continued its discussion from December on how to amplify our effective use of social media for pollution prevention outreach.

- [Sandy Becerra](#) from the City of San Jose shared some of the City's social media practices, including some short, informal pollution prevention videos that they posted to social media. The City makes use of Canva to edit and manage their social media posts. A [free version of Canva](#) is available for non-profits. A conference is coming up regarding [government use of social media](#) (May 2-4 in Reno, NV).
- The group agreed that it would be useful to more widely share content (videos, graphics, text) to be re-posted on individual agency social media feeds.

Epidemiological Studies in Wastewater

Robert Wilson (City of Santa Rosa) shared a presentation about the City of Santa Rosa's Laguna Environmental Lab participation in several different wastewater epidemiological studies since the beginning of the pandemic in 2020. There are differences among studies in the types of samples that are collected (primary solids or raw wastewater) and therefore the units reported (RNA copies per mL or copies per gram) are not directly comparable. The City has participated in Biobot, LuminUltra, and [WastewaterSCAN](#). WastewaterSCAN is a national effort that is also affiliated with the California Department of Public Health; this program reimburses the City for some of their labor costs associated with sample collection, because the data are useful for public health purposes. Sampling occurs 1-3 times per week. The presentation slides are also available [here](#) and a recording of Robert sharing this presentation with the North Coast Regional Water Board is available [here](#).

FOG Disposal

The group discussed public messaging related to FOG disposal, which can vary among jurisdictions. "Scrape it, can it, trash it" is one of the standard messages. Most composters do not want FOG in the compost bins, although a small amount that can be absorbed by a paper towel is acceptable. In these areas, large amounts of FOG should be put in a container and taken to Household Hazardous Waste. Some jurisdictions will accept solid FOG in their compost bins; for example, Napa Sanitation District hands out compostable takeout containers for residents to use for their "collect it, cool it, compost it" campaign.

Next BAPPG General Meeting: April 5th, 2023, 10am – 12pm, Zoom



February 13, 2023

Melanie Biscoe
Pesticide Re-evaluation Division
Office of Pesticide Programs
c/o Regulatory Public Docket Center (28221T)
U.S. Environmental Protection Agency (EPA)
1200 Pennsylvania Ave. NW.
Washington, DC 20460-0001
biscoe.melanie@epa.gov

Subject: Appendix to the ESA Workplan Update: Nontarget Species Mitigation for Registration Review and Other FIFRA Actions (Docket No. EPA-HQ-OPP-2022-0908)

Dear Ms. Biscoe:

On behalf of the Bay Area Clean Water Agencies (BACWA), we thank you for the opportunity to comment on the Endangered Species Assessment (ESA) process. BACWA's members include 55 publicly-owned wastewater treatment works (POTWs) and collection system agencies serving 7.1 million San Francisco Bay Area residents. We take our responsibilities for safeguarding receiving waters seriously.

While we understand that this docket is meant for responding only to the Appendix of the Workplan Update, virtually no actions in that appendix pertain to the impact of indoor uses of pesticides. Further, the body of the Workplan Update suggests that the EPA will continue to ignore indoor uses moving forward (emphasis added):

"EPA is exploring a strategy to develop broad mitigation measures to minimize exposure to listed species from outdoor pesticide residential uses. EPA welcomes collaboration from various pesticide user groups—particularly non-agricultural groups whose pesticide uses might not be as familiar to EPA—that may be interested in developing strategies for their uses." [WP Update p. 18]

We implore EPA to stop omitting indoor pesticide uses from biological evaluation. There is overwhelming scientific evidence that pesticides used indoors pass through POTWs and appear in municipal wastewater effluent at levels that exceed EPA Office of Pesticide Program benchmarks and may harm aquatic ecosystems at many locations, including those where little effluent dilution is available.

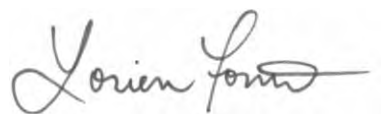
We have attached our 2019 comment letter on the Draft Revised Method for National Level Endangered Species Risk Assessment Process for Biological Evaluations of Pesticides (Docket ID No. EPA-HQ-OPP-2019-0185), where we provide greater detail. We have also enclosed scientific references on indoor pesticides, urban pesticides, and pesticide prevalence in municipal wastewater for your use (see list of enclosures below).

Thank you for your consideration of our comments. If you have any questions, please contact BACWA's Project Managers:

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City of Santa Rosa
(707) 543-4369
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Respectfully Submitted,



Lorien Fono, Ph.D., P.E.
Executive Director
Bay Area Clean Water Agencies

Enclosures:

1. BACWA Comment Letter to EPA on the Draft Revised Method for National Level Endangered Species Risk Assessment Process for Biological Evaluations of Pesticides (Docket ID No. EPA-HQ-OPP-2019-0185), August 15, 2019.
2. Sutton, R. et al. 2019. Occurrence and Sources of Pesticides to Urban Wastewater and the Environment. In Goh et al.; Pesticides in Surface Water: Monitoring, Modeling, Risk Assessment, and Management, ACS Symposium Series 1308; American Chemical Society: Washington, DC, 2019; pp 63-88.
3. Sadaria, A.M. et al. 2017. Passage of Fiproles and Imidacloprid from Urban Pest Control Uses Through Wastewater Treatment Plants in Northern California. Environmental Toxicology and Chemistry. 36 (6), 1473-1482.
4. Teerlink, J., et al. 2017. Fipronil washoff to municipal wastewater from dogs treated with spot-on products. Sci Total Environ 599-600: 960-966.
5. Markle, J. C. et al. 2014. Pyrethroid Pesticides in Municipal Wastewater: A Baseline Survey of Publicly Owned Treatment Works Facilities in California in 2013. In Jones et al. Describing the Behavior and Effects of Pesticides in Urban and Agricultural Settings; ACS Symposium Series 1168; American Chemical Society: Washington, DC, 2014; pp 177-194.
6. Shamim, M. et al. 2014. Conducting Ecological Risk Assessments of Urban Pesticide Uses. In Jones et al. Describing the Behavior and Effects of Pesticides in Urban and Agricultural Settings; ACS Symposium Series 1168; American Chemical Society: Washington, DC, 2014; pp 207-274.

cc: Edward Messina, Director, EPA Office of Pesticide Programs
Ya-Wei Li, Deputy Assistant Administrator for Pesticide Programs
Kristina Garber, Senior Science Advisor, Environmental Fate and Effects Division, OPP
Elissa Reaves, Director, Pesticides Re-evaluation Division
Tracy L. Perry, Senior Regulatory Advisor, Pesticide Re-evaluation Division
Andrew Sawyers, Director, EPA Office of Water, Office of Wastewater Management
Tomas Torres, Director, Water Division, EPA Region 9
Alexandra (Sasha) Mizenin, EPA Region 9
Diana Hsieh, EPA Region 9
Rochelle Cameron, EPA Region 9
Karen Mogus, Deputy Director, California SWRCB
Philip Crader, Assistant Deputy Director, California SWRCB
Rich Breuer, California SWRCB
Tom Mumley, California RWQCB SF Bay Region
Alessandra Moyer, California RWQCB, SF Bay Region
James Parrish, California RWQCB, SF Bay Region
Rebecca Nordenholt, California RWQCB, SF Bay Region
Anson Main, California Department of Pesticide Regulation
Aniela Burant, California Department of Pesticide Regulation
Chris Hornback, Chief Technical Officer, National Association of Clean Water Agencies
Cynthia Finley, Director, Reg. Affairs, National Association of Clean Water Agencies
BACWA Executive Board
BACWA Pesticides Workgroup

The full version of this comment letter with the attachments is available at the path below.

<https://bacwa.org/wp-content/uploads/2023/02/BACWA-ESA-Workplan-Comment-Ltr-with-Attach-2023-02-13.pdf>

Committee Request for Board Action: None

35 attendees from 25 member agencies

Round Table Discussion – Wet Weather Operations in December 2022 and January 2023

Attendees discussed experiences during and after the extreme wet weather events that occurred in Dec. 2022 and Jan. 2023, which produced widespread surface flooding and sanitary sewer spills. The discussion included:

- Stormwater system failures and coastal flooding contributed to the complexity of sewer system operations during this period. Attendees reported out on stormwater pumps that failed, resulting in ponding water that subsequently entered sanitary sewers, as well as king tides that entered into sanitary sewers. These situations are considered spills that have to be reported.
- Stormwater system operators have been known to pop manholes to drain ponded areas, which contributes to spills elsewhere. Union Sanitary District provided an example of a reminder to local stormwater agencies not to do this ([link](#) to sample email).
- It is hazardous for emergency response crews to walk into flooded areas where there may be missing manhole covers – someone could fall down a manhole. Crews should be made aware of this danger and respond accordingly (do not exit vehicles, or walk with a probe / shovel). Some members also noted that they try to provide advance warning to residential areas that are prone to flooding.
- Attendees discussed practices for operator staffing during large wet weather events. One agency reported reserving hotel rooms for operators that have been placed on “storm standby.” They also bring in extra support staff to take service calls, provide food, and support field crews. It may also be helpful to ask operators to call in their location when an emergency has been declared, since travel could become difficult and mutual aid responses may be required.

SSS-WDR Update

The State Water Board reissued the [SSS-WDR](#) in December 2022, and the effective date is June 5, 2023. The Clean Water Summit Partners hosted a webinar on January 11th that covered key differences between the existing 2006 SSS-WDR and the reissued order (materials are [here](#)). The [presentation by the State Water Board's Walter Mobley](#) contains essential information such as these upcoming compliance due dates:

- In CIWQS, certify continuation of existing regulatory coverage between April 5th and June 4th
- Upload existing Sewer System Management Plan to CIWQS by June 5, 2023
- **Update Spill Emergency Response Plans (no submittal required) by June 5, 2023**
- Designate an LRO that meets the updated managerial requirements (if applicable) by June 5, 2023

Although the State Water Board intends to release information about CIWQS revisions before the June 5th effective date, it may not be available in time to inform detailed updates to Spill Emergency Response Plans. Consultants present at the meeting recommended updating your agency's Spill Emergency Response Plan, then incorporating it into your SSMP *before* uploading the SSMP into CIWQS. There is no requirement that the Spill Emergency Response Plan be approved by your governing board; just note the revision in your change log.

Upcoming training opportunities for the SSS-WDR include:

- A Clean Water Summit Partners webinar tentatively scheduled for March 22
- CSRMA is offering free webinars for members on Feb. 22, March 9, and March 14. [Register here](#).
- CWEA plans to produce short video modules in March and April, and will offer sessions at the [CWEA Annual Conference](#) April 18-21 in San Diego, including a [pre-conference workshop](#) on April 18th.

Attendees discussed the need for additional guidance materials, and supported the concept of BACWA developing materials. The guidance does not necessarily have to be approved by the Water Boards. The following would be useful:

- Guidance for conducting audits and updating SSMPs to conform to the reissued SSS-WDR
- Sharing example SSMPs small / medium / large agencies that are adequate and scalable
- Short guidance documents to help LROs understand their legal responsibilities
- Guidance on modernizing SSMPs with links or QR codes for significant supporting documents

Announcements and Events

- The Collection System Awards Luncheon will be on April 20th at the [CWEA Annual Conference](#)
- The CWEA SF Bay Section will offer a [TCP exam preparation seminar](#) in Antioch on March 8th
- The CWEA Santa Clara Valley Section will offer a [TCP exam prep seminar](#) in Foster City on Feb. 16th

Next Collection System Committee Meeting: Thursday⁶May 18, 2023, 10 AM on Zoom



Executive Director's Report to the Board

January 2023

EXECUTIVE BOARD MEETING AND SUPPORT

- Worked with BACWA staff to plan and manage 1/20 Executive Board meeting
- Conducted the Executive Board meeting agenda review with the BACWA Chair
- Hosted 1/20 Executive Board meeting and distributed draft meeting notes
- Met with individual Board members to discuss regulatory issues
- Continued to track all action items to completion

COMMITTEES:

- Attended Recycled Water Committee meeting, 1/17
- Planned and hosted Managers Roundtable meeting, 1/18

REGULATORY:

- Met with R2 EO to discuss strategy, 1/12
- Attended Air Toxics testing planning meeting 1/11
- Discussed Air Toxics program governance with Clean Water SoCal and CASA EDs

NUTRIENTS:

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

- Discussed nutrient strategy with member staff
- Met individually with eleven agencies to understand nutrient reduction planning
- Participated and prepared summary for NMS planning subcommittee meetings, 1/4
- Distributed nutrient FAQ
- Developed strategy for individual agency meetings on nutrient reductions
- Attended NBS CMG meeting 1/13
- Attended Modeling Advisory Group advisory committee meeting, 1/17
- Met with R2 NPDES Staff to discuss permitting approaches 1/20
- Met with Science team and R2 staff to discuss guidance to Modeling advisory group
- Discussed nutrient issues and engagement with BACWA Board with NMS science manager and BACWA's NMS reviewer
- Reviewed Group Annual Report
- Submitted Science Plan Update to Water Board
- Discussed OAH issues with CASA staff, and participated in OAH subgroup meeting 1/31

COMMUNICATIONS

- Updated communications RFP
- Responded to journalist's requests for contact after New Year Eve storms

FINANCE:

- Reviewed the monthly BACWA financial reports
- Reviewed and approved invoices
- Worked with AED to kick off FY24 Budget planning process

COLLABORATIONS:

- Met with PFAS POTW/NGO collaborative group to discuss legislative concepts, 1/9
- Attended TRUW Equity Workshop planning meeting, 1/10 and 1/24
- Planned PFAS agenda items with subgroup of the California Water Quality Monitoring Council
- Attended CASA Collection Systems WG, 1/18
- Attended CASA RWG meeting, 1/19
- Attended CASA CWSRF meeting, 1/24
- Attended CASA Winter meeting in Palm Springs, 1/25-1/27

ASC (AQUATIC SCIENCE CENTER)

- Reviewed materials sent via email by ASC ED
- Discussed SFEI communication issues with ASC ED
- Attended Board meeting, 1/27

BABC (BAY AREA BIOSOLIDS COALITION)

- No update

BACC (BAY AREA CHEMICAL CONSORTIUM)

- Discussed administrative and policy issues with administrator
- Reviewed questions from prospective bidders

BACWE (BAY AREA COALITION FOR WATER/WASTEWATER EDUCATION)

- No update

ADMINISTRATION:

- Planned for and conducted the monthly BACWA staff meeting to prepare for the Board Meeting and to coordinate and prioritize activities.
- Met with RPM to discuss progress on regulatory issues and update regulatory matrix
- Signed off on invoices, reviewed correspondence, prepared for upcoming Board meetings, responded to inquiries on BACWA efforts, oversaw and participated in updating of web page and provided general direction to BACWA staff.
- Worked with RPM in the preparation of the monthly BACWA Bulletin.
- 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:

- Worked with BACWA Chair and Committee Chairs on items that arose during the month
- Other miscellaneous calls and inquiries regarding BACWA activities
- Responded to Board members' requests for information



Board Calendar

March 2023 – June 2023 Meetings

DATE	AGENDA ITEMS
March 17, 2023 <i>Hybrid & In person at EBMUD Orinda</i>	Approvals & Authorizations: <ul style="list-style-type: none">• Policy / Strategic Discussion: <ul style="list-style-type: none">• Operational: <ul style="list-style-type: none">• Draft Annual Meeting Program• 2nd Draft FY24 Budget Approvals & Authorizations: <ul style="list-style-type: none">• Policy / Strategic Discussion: <ul style="list-style-type: none">• SFEI / PFAS• Recycled Water & NMS Operational: <ul style="list-style-type: none">• Final Annual Meeting Program• Final Approval FY24 Budget Annual Meeting
April 21, 2023 <i>Hybrid & In person at SFPUC Hetch Hetchy</i>	
May 5, 2023 <i>David Brower Center, Berkeley</i>	
June 16, 2023 <i>TBD</i>	Approvals & Authorizations: <ul style="list-style-type: none">• FY24 Contract Approvals Policy / Strategic Discussion: <ul style="list-style-type: none">• Operational: <ul style="list-style-type: none">•



BACWA ACTION ITEMS

Number	Subject	Task	Responsibiity	Deadline	Status
Action Items from Jan 2023 BACWA Executive Board Meeting			resp.	deadline	status
2023.1.37	Communications steering committee debrief	BACWA Ed to bring item for approval at next board meeting	ED	2/6/2023	complete
2023.1.38	Debrief from January 17 Joint meeting with R2	BACWA RPM to share WRF report with BACWA community when it is available.	RPM		
2023.1.39	Annual Meeting Planning	BACWA ED to reserve the full facility and present a list of speakers at the next meeting.	ED \ AED	2/6/2023	complete
Action Items Remaining from Previous BACWA Executive Board Meetings					
2021.10.21	BACWA Communications Policy	BACWA ED will bring a revised draft Communication Policy to the Executive Board for approval at a future meeting.	ED		WIP
2022.10.22	BACWA Reserve Policy	BACWA ED will bring a revised draft Reserve Policy to the Executive Board for approval at a future meeting.	ED		WIP
2022.11.26	SSS WDR - BACWA engagement with State Water Board	BACWA RPM to produce a high-level summary of differences between the current permit and new permit once adopted.	RPM		WIP
2022.3.42	Plain-language review of nutrient science program	BACWA ED to work with SFEI to augment plain-language review to include graphics, simplified text, and a summary of what we have learned so far.	ED		on going

FY23: 33 of 36 Action Items are complete

FY22: 51 of 52 Action items are completed

FY21: 51 of 51 Action items completed

FY20: 70 of 70 Action Items completed

FY19: 110 of 110 action Items completed

FY18: 66 of 66 Action Items completed

FY17: 90 of 90 Action Items completed



Regulatory Program Manager's Report to the Executive Board

January 2023

BACWA BULLETIN: Completed and circulated January Bulletin.

MERCURY & PCBS: Answered member questions about implementation of Hg & PCBs Watershed Permit; met with California Indian Environmental Alliance to discuss risk reduction strategy for next permit term.

NUTRIENTS: Attended Nutrient Management Strategy meeting and prepared notes; attended meetings to discuss the potential for nutrient load reductions at eleven individual member agencies; reviewed draft Group Annual Report and provided comments to consultant team.

REGULATORY MATRIX: Prepared draft and final versions of updated Regulatory Matrix.

COMMITTEE SUPPORT:

AIR – Attended CASA air toxics subgroup meeting to discuss fiscal impacts to BACWA members.

BAPPG – Participated in steering committee and pesticides committee meetings; reviewed draft BAPPG annual report and provided comments; assisted with budget planning for FY24.

Collection System – Prepared for February committee meeting; coordinated with Clean Water Summit Partners to plan for January webinar and other future training opportunities; spoke with news media about sanitary sewer overflows; assisted with budget planning for FY24.

Laboratory – Assisted with monthly TNI training session and budget planning for FY24.

Permits – Began preparing for February committee meeting; finalized annual NPDES permit compliance letter; responded to member questions about blending and blanket permit amendment for monitoring.

Recycled Water – Provided support for site supervisor training video; assisted with January committee meeting; prepared notes.

Executive Board – Prepared regulatory updates for January Executive Board meeting; reviewed meeting notes; attended joint meeting with Regional Water Board staff and prepared notes.

ADMINISTRATION/STAFF MEETING – Participated in Staff Meeting.

BACWA MEETINGS ATTENDED:

BAPPG Steering Committee (1/4)
Nutrient Strategy Team (1/6)
Nutrient Discussions with Individual Agencies
(eleven meetings from 1/5 to 1/31)
BAPPG Pesticides Subcommittee (1/10)
Recycled Water Committee (1/17)
Lab Committee TNI Training (1/17, partial)
Executive Board with R2 Staff (1/17)
Executive Board (1/20)

EXTERNAL EVENTS ATTENDED:

CASA SSS-WDR Data Review Group (1/3)
CASA Air Toxics Subgroup (1/11)
CASA Air, Climate and Energy Workgroup (1/18)
CASA Collection Systems Workgroup (1/18)
CASA Regulatory Workgroup (1/19)
Webinar on national PFAS biosolids study (1/26, partial)



Regional Shoreline Adaptation Plan

An implementing project of **BAY ADAPT**

Advisory Group

Kick-off Meeting
January 23, 2023

Implementing Bay Adapt

1
Increasing
**Community
Capacity**

2
Regional
**Shoreline
Adaptation
Plan**



3
Regulatory
**Improve-
ments**

4
**Backbone
Agency
Strategy**



**OCEAN
PROTECTION
COUNCIL**

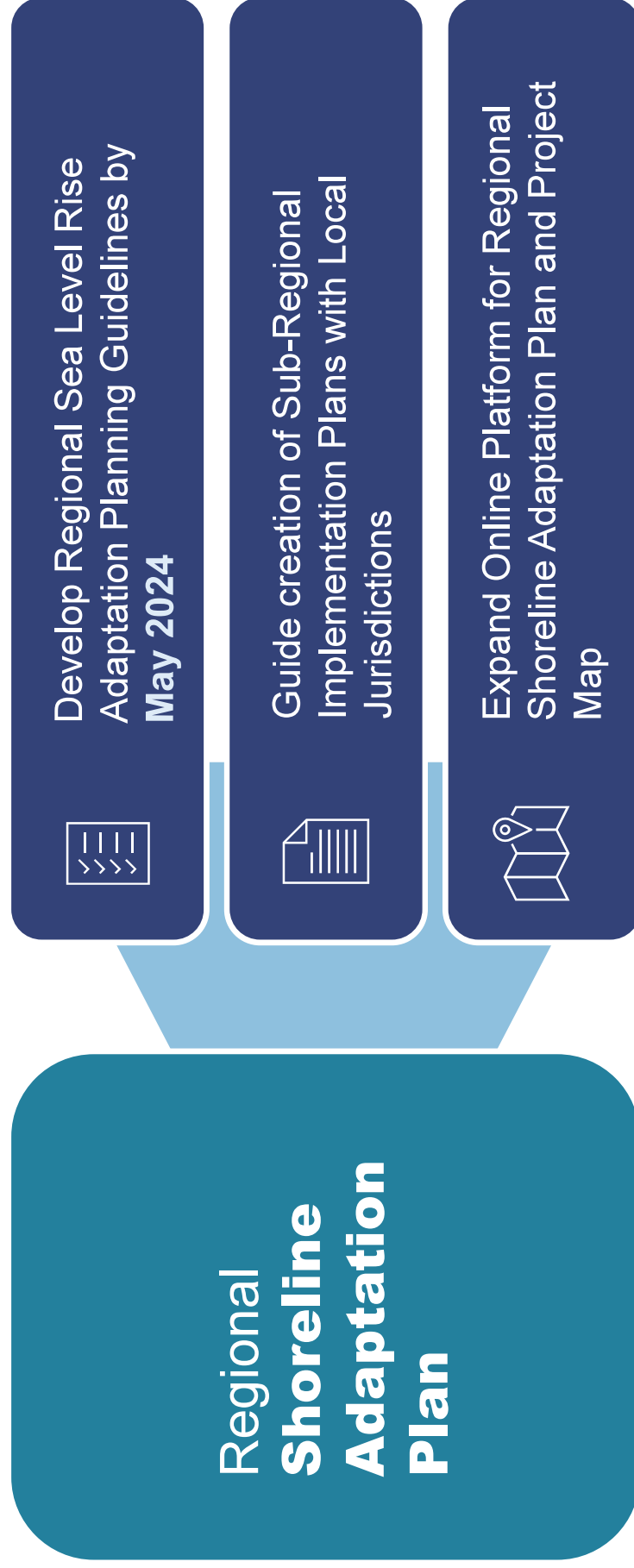


Regional Shoreline Adaptation Plan

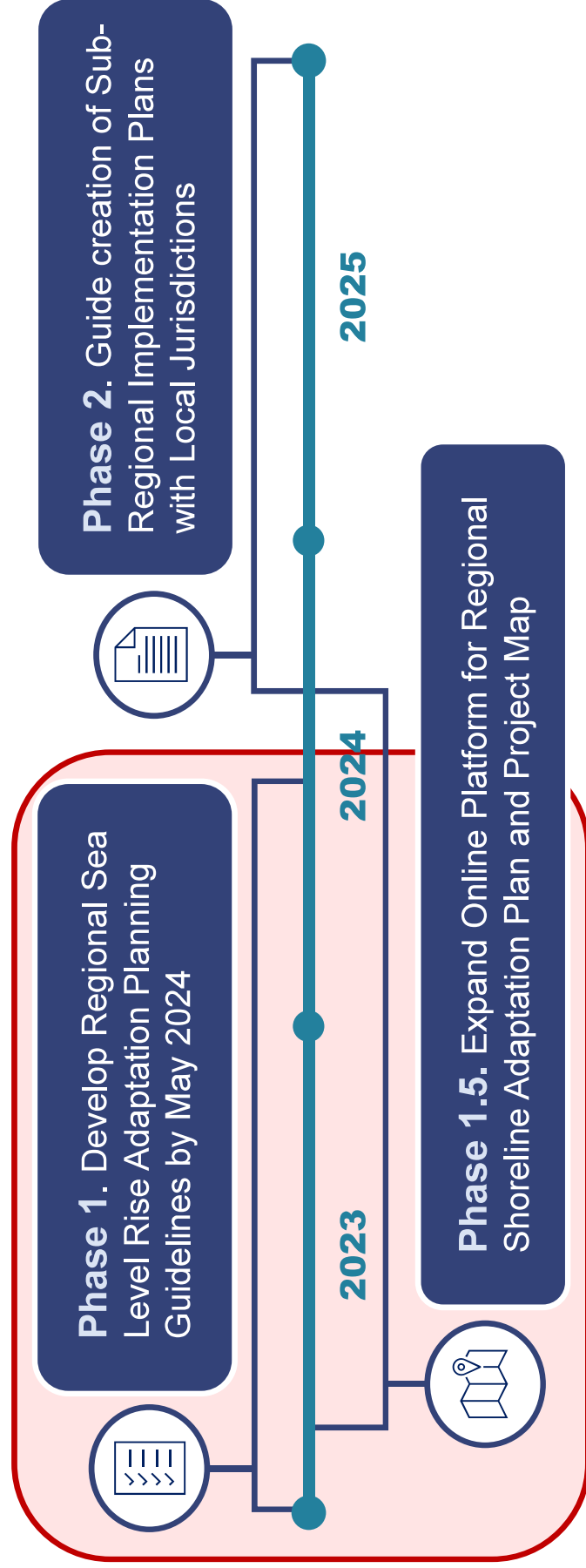
Project Overview | Expectations



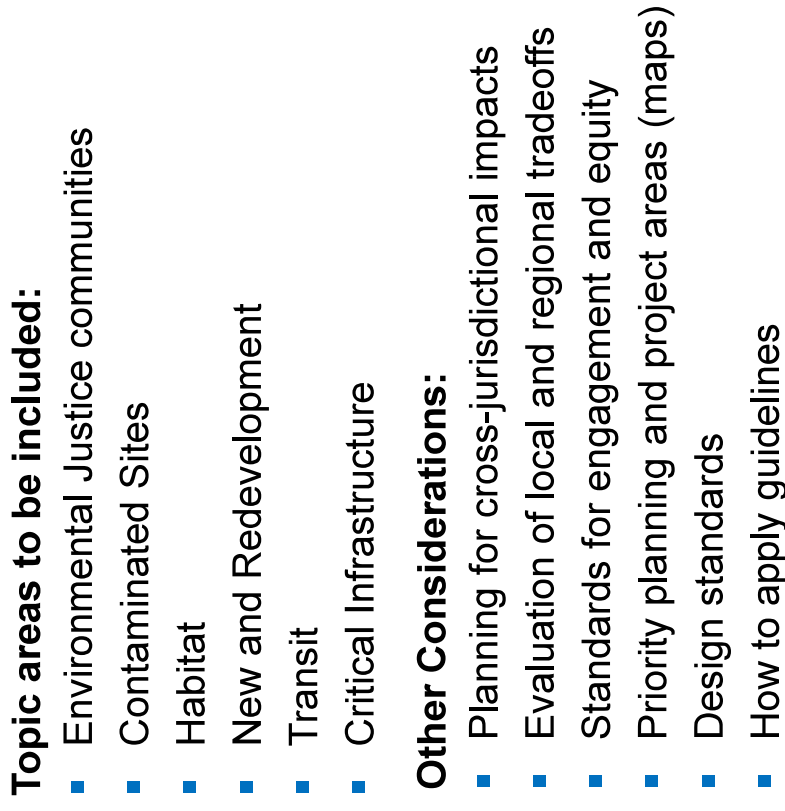
Regional Shoreline Adaptation Plan



Regional Shoreline Adaptation Plan Timeline



Regional Shoreline Adaptation Plan Timeline



Regional Shoreline Adaptation Plan expectations

What the Vision, Goals, and Guidelines **Are**

- Focused on issues related to **shoreline flooding**
- Non-mandatory and currently **incentive-driven**
- Envisioned to go **beyond BCDC's jurisdiction** and may include actions necessary by other agencies to implement

What the Vision, Goals, and Guidelines **Are NOT**

- They **do not** incorporate multiple climate hazards
- This is **not a** BCDC policy or regulations document
- The vision, goals, and guidelines developed **are not** restricted by BCDC's current authorities or jurisdictions

What can the Regional Shoreline Adaptation Plan achieve?



- Adaptation that **coordinates** with neighboring jurisdictions
- **Priority** resources to frontline communities
- Long-term **health** of wetlands
- Strategy for **adaptation implementation** based on risk
- Common **standards and methods** for applying science
- **Funding pipeline** that reduces burdens on local jurisdictions
- Tracking and evaluation towards **collective vision of progress**