BACWA Executive Board Meeting
November 13, 2026 9:00 AM - 1:30 PM (PDT)
SFPUC, 525 Golden Gate Ave, San Francisco, CA 91402
To attend the meeting via Zoom or submit a comment please request access.

	Agenda Item		Time	
ROLL CALL, INTRODUCTIONS, AND TELECONFERENCE ETIQUETTE			**9:00 AM**	
PUBLIC COMMENT		Guidelines	**9:05 AM**	
CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER			**9:06 AM**	
CONSENT CALENDAR			**9:07 AM**	
1	September 18, 20226 BACWA Executive Board meeting minutes			**3-7**
2	October 19, 2026, Special Nutrient Strategy Team Board Meeting minutes			**8-9**
3	October 26, 2026, Special Joint meeting with the Water Board			**10-12**
4	September 2026, 2026 Treasurer's Report			**13-22**
APPROVALS AND AUTHORIZATIONS			**9:15 AM**	
5	Approval: FY26 Audit and Financial Statement			**23-55**
POLICY/STRATEGIC			**9:20 AM**	
6	Presentation: Committee update - BABC			
7	Informational: Summit Partners PFAS Information Request			**56-61**
8	Informational: EPA SF Bay Program Office Nutrient Management Funding Update			**62-63**
9	Informational: Update on Air District EPM Workplan			
10	Informational: RMP Annual Meeting and Pulse	RMP Meeting page Form for physical Pulse magazine		
11	Discussion: Collaborating with Clean Water SoCal on 2027 Biosolids survey	)24 Biosolids Trends Survey		
	BREAK		**10:40 AM**	
12	Discussion: Debrief from 10/26 Joint meeting with Water Board, and next meetings			**64-68**
13	Discussion: Water Quality Trading webinar and next steps	Webinar video		
14	Discussion: 10/16 NMS Steering Committee Debrief	Meeting folder		**69-96**
	a. Heterosigma toxicity studies			
	b. HAB Control Research			
OPERATIONAL			**11:30 AM**	
15	Discussion: AQPI Update - Draft MOA			
16	Discussion: Holiday lunch and committee chair appreciation			
17	Discussion: 2027 - Pardee - McLean Hall to be renovated May to November 2027			
18	Informational: Attorney review of BACWA Conflict of Interest Code			
19	Informational: BACC Update			
REPORTS			**12:10 AM**	
20	Committee Reports			**97-152**
21	Member highlights			
22	Executive Director Report			**153-155**
23	Board Calendar and Action Items			**156-157**
24	Regulatory Program Manager Report			**158**
25	Other BACWA Representative Reports			
	a. RMP Technical Review Committee	Samantha Engelage, Alicia Chakrabarti, Blake Brown		
	b. RMP Steering Committee	Karin North; Amanda Roa; Eric Dunlavey		
	c. Summit Partners	Lorien Fono; Jackie Zipkin		
	d. ASC/SFEI	Lorien Fono; Amit Mutsuddy; Lori Schectel		
	e. Nutrient Governance Steering Committee	Amit Mutsuddy, Eric Dunlavey; alternates: Lori Schectel, Jackie Zipkin		
	e.i Nutrient Planning Subcommittee	Eric Dunlavey		
	e.ii MERHAB MaTAG	Amit Mutsuddy		
	f. SWRCB Nutrient SAG	Lorien Fono		

g. BAIRWMP	Cheryl Munoz; Florence Wedington; Jackie Zipkin		
h. CASA State Legislative Committee	Lori Schectel		
i. CASA Regulatory Workgroup	Lorien Fono		
j. RMP Microplastics Liaison	Jesse McDermott		
k. Bay Area Regional Reliability Project	Jackie Zipkin		
l. San Francisco Estuary Partnership	Lorien Fono; Jackie Zipkin		
m. CPSC Policy Education Advisory Committee	Colleen Henry		
n. California Ocean Protection Council	Lorien Fono		
o. California Water Quality Monitoring Council	Lorien Fono		
p. CASA Air Toxics Steering Committee	Lorien Fono, Jason Nettleton		
26 **SUGGESTIONS FOR FUTURE AGENDA ITEMS**		**12:25 PM**	
27 CLOSED SESSION to discuss personnel matters pursuant to California Government Code Section 54957		**12:30 PM**	
28 Report out from Closed Session		**1:25 PM**	
The next regular meeting of the Board is scheduled for December 11, 2026 at EBMUD Orinda			
ADJOURNMENT		**1:30 PM**	

BACWA Executive Board Meeting

Central Contra Costa Sanitary District, Martinez

Friday September 18, 2026 9:00 AM - 12:30 PM (PDT)

Executive Board Representatives: Amit Mutsuddy (East Bay Municipal Utility District); Eric Dunlavey (City of San Jose); Jackie Zipkin (EBDA). Lori Schectel (Central San), SFPUC Executive Board representative not present.

Attendees

Name	Agency/Company
Aaron Winer	West County
Alina Constantinescu	LWA, for BACWA
Amanda Roa	Fairfield-Suisun Sewer District
Amy Kleckner	SFEI
Andre Gharagozian	Carollo
Andy Morris	City of Benicia
Dan Lopez	Black & Beach
Diana Lin	SFEI
Brian Thomas	Delta Diablo
Francis Rooney	SVCW
Francesca Cecconi	BV
Irene Chu	Hazen & Sawyer
Jake Silver	Consultant
Jared Voskuhl	CASA
Jay Davis	SFEI
Jordan Damerel	FSSD
Jennifer Dyment	BACWA
Katie Zusy	BV
Lorien Fono	BACWA
Mary Lou	Brown & Caldwell
Mike Falk	HDR
Sierra Garcia	SFEI
Simret Yigzaw	City of San Jose
Rebecca Sutton	SFEI
Rita Chang	Central San
Riva Mitra	Jacobs
Tom Hall	EOA

Eric Dunlavey called the meeting to order at 9:07 am.

Agenda Item

ROLL CALL, INTRODUCTIONS, AND TELECONFERENCE ETIQUETTE

PUBLIC COMMENT None

CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER Discuss Item 16 with Item 4**.**

CONSENT CALENDAR

1 August BACWA Executive Board meeting minutes

2 July 2026, 2026, Treasurer's Report

Consent Calendar Items 1 and 2: A motion to approve was made by Jackie Zipkin (EBDA) and seconded by Amit Mutsuddy (EBMUD). Central San abstained. SFPUC was not present.

APPROVALS AND AUTHORIZATIONS

3 Approval: Conflict of interest Policy Review

Approvals and Authorizations Item 3: A motion to approve was made by Jackie Zipkin (EBDA) and seconded by Lori Schechel (Central San). None opposed. SFPUC was not present. It was noted that the policy has not been updated in many years and could use legal review.

Action item: BACWA ED to send policy to Day Carter Murphy for review.

4 Approval: Extension and increase to contract with LWA for Interim RPM Services - BACWA ED explained BACWA staffing needs and requested guidance from Board on how to proceed with continuing interim Regulatory Program Manager (RPM) services while awaiting recruitment of a permanent RPM. BACWA ED explained two options – extend sole-sourced contract with LWA through FY, or extend to 1/31/2027 which will give staff time to issue RFP. Either option would involve increasing the contract amount accordingly. The Board selected alternative 2 and directed BACWA staff to issue an RFP for Interim RPM services for the remainder of the fiscal year.

Action item: BACWA ED to prepare and share with board an RFQ to meet alternative 2 proposal.

Approvals and Authorizations Item 4: A motion to approve was made by Lori (Central San) and seconded by Jackie Zipkin (EBDA). None opposed. SFPUC was not present.

POLICY/STRATEGIC

5 Presentation: SFEI RMP Update - Jay Davis, Amy Kleckner and others from SFEI shared a presentation about regional monitoring program, work group structure, including BACWA representation, on-going and future projects priorities, and the upcoming multi-year planning workshop on November 16, 2026. Presenters encouraged BACWA members to register for SFEI's Annual Meeting that will be held in Berkeley on October 21, 2026. A group discussion followed.

Action item: BACWA ED to share SFEI RMP slides with meeting attendees.

6 Informational: EPA SF Bay Program Office Nutrient Management Funding Update - BACWA ED provided a funding update. Not much new to report. We hope to have the contract by November 1, 2026.

7 Informational: Update on Air District EPM Workplan - BACWA ED gave an update on the project. BACWA has signed the MOU, and we are waiting for it to be counter-signed by BAAD. Group needs to discuss the threshold for level of effort for an agency to sign up for "concierge" service, versus just asking for brief assistance with air permits. The group discussed the program, metrics and options to be incorporated into the Work Plan.

Action items: BACWA ED to share program updates at next meeting.

8 Discussion: RMP Annual Meeting Nutrient Update - BACWA ED shared a proposed outline of nutrient presentation that will be given at the RMP Annual meeting.

9 Discussion: Pseudo-nitzschia bloom in the ocean - BACWA ED shared a summary of what is appearing in the media about the algae bloom off the California coast and how it is impacting wildlife, and esp. mammals. Research suggests this is being caused by climate change and El Nino year. SCCWRP modelers are investigating whether anthropogenic nutrients may also be contributing to the bloom. POTWs are aware of the issue with effluent nutrient reductions being a major focus for Bay Area agencies. Mike Falk, HDR, explained average annual TIN loads from various agencies up and down the CA coast.

BREAK 10:45-10:55

10 Informational: Compliance Schedule Basin Plan Amendment Update and CEQA Review - BACWA ED shared there is an ongoing data request to agencies on whether they would need to use the extended compliance schedule put forth in the BPA. Region 2 is expected to adopt the BPA in May \ June 2027. BACWA ED and group discussed topics for next NST meeting on permit implementation. The group scheduled the NST Meeting for 10/19/2026.

11 Discussion: Water Board Response to Compliance Milestones Report – BACWA ED shared that HDR is working with permittees to gather additional information requested by the Water Board.

12 Discussion: Trading workshop debrief and next steps - BACWA ED shared a slide summarizing the 9/20 Trading Workshop and the next steps. The recommendation is that BACWA establish a representative trading advisory group made up of large and small agencies and buyers and sellers. The group discussed project.

Action item: BACWA ED to develop trading advisory group

13 Discussion: NST meeting agenda - Meeting will include general nutrient updates and discussion on compliance schedules/ implementation of BPA in next permit.

Action item: BACWA ED to send out final agenda.

14 Discussion: Agenda for Oct 26 meeting with Water Board - BACWA ED shared draft agenda for October 26, 2026 with Water Board. BACWA ED would like to schedule an all day meeting with the RWB and BACWA Board but date and meeting location TBD.

Action item: BACWA ED to send out final agenda.

OPERATIONAL

15 Discussion: AQPI Update - Draft MOA - BACWA ED shared that this special program is starting up again. There is a draft MOA and BAR in the packet.

Action item: BACWA ED to bring approval request to a future meeting.

16 Discussion: Staffing resources and timeline - Discussed with Item 4.

17 Discussion: Pardee Technical Meeting - October 8 & 9, 2026 Attendance and Draft program - BACWA ED shared a draft agenda.

Action item: BACWA ED to share agenda with attendees before event.

18 Informational: BACC Update - Annual Meeting and Chemical Survey - BACWA AED shared that agencies are completing the annual chemical survey until September 30, 2026.

REPORTS

19 Committee Reports - None in packet.

20 Member highlights - Attendees shared quick summary of member agency highlights.

21 Executive Director Report - Item in packet.

22 Board Calendar and Action Items- Item in packet.

23 Regulatory Program Manager Report - Item in packet.

24 Other BACWA Representative Reports

a. RMP Technical Review Committee Samantha Engelage, Alicia Chakrabarti, Blake Brown

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

c. Summit Partners Lorien Fono; Jackie Zipkin

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

e. Nutrient Governance Steering Committee Amit Mutsuddy, Eric Dunlavey; alternates: Lori Schectel, Jackie Zipkin

e.i Nutrient Planning Subcommittee Eric Dunlavey

e.ii MERHAB MaTAG Amit Mutsuddy

f. SWRCB Nutrient SAG Lorien Fono

g. BAIRWMP Cheryl Munoz; Florence Wedington; Jackie Zipkin

h. CASA State Legislative Committee Lori Schectel

i. CASA Regulatory Workgroup Lorien Fono

j. RMP Microplastics Liaison Jesse McDermott

k. Bay Area Regional Reliability Project Jackie Zipkin

l. San Francisco Estuary Partnership Lorien Fono; Jackie Zipkin

m. CPSC Policy Education Advisory Committee Colleen Henry

n. California Ocean Protection Council Lorien Fono

o. California Water Quality Monitoring Council Lorien Fono

p. CASA Air Toxics Steering Committee Lorien Fono, Jason Nettleton

27 SUGGESTIONS FOR FUTURE AGENDA ITEMS

The next regular meeting of the Board is scheduled for November 13, 2026 at SFPUC, 525 Golden Gate Ave, San Francisco

ADJOURNMENT 12:33pm

Nutrient Strategy Team
October 19, 2026 Meeting Summary

ATTENDEES:

Executive Board Representatives: Amit Mutsuddy (EBMUD), Jackie Zipkin (East Bay Dischargers Authority), Eric Dunlavey (San José), and Lori Schectel (Central San). Amy Chastain (SFPUC) not attending.

Other Attendees:

Name	Agency/Company
Lorien Fono, Alina Constantinescu, Jennifer Dyment	BACWA
Mehran Andalib	Arcadis
Andy Morris	Benicia
Sara Sadreddini	Black & Veatch
Linda Sawyer	Brown and Caldwell
Jamie Pigott	Carollo
Blake Brown	Central San
Peter Kistenmacher	CMSA
Brian Thomas	Delta Diablo
Dan Gill, Kristy Fournier	DSRSD
John Kenny	EBMUD
Tom Hall	EOA
Amanda Roa, Jordan Damerel	Fairfield-Suisun Sewer District
David Donovan	Hayward
Irene Chu	Hazen & Sawyer
Denise Conners	LWA
Steve Moore	Ross Valley
Simret Yigzaw	San José
Mark Neumann	SASM
Jennie Pang	SFPUC
Francis Rooney	Silicon Valley Clean Water
Daly Wettermark	Stanford
Julie Choun	Sunnyvale
Jessica Fox	The Freshwater Trust
Armando Lopez, Gus Carillo	Union Sanitary District
Jennifer Harrington	Vallejo FWD
Dave Richardson	Woodard & Curran
M Nasser	
M Ramanatha	

1. Introduction and Public Comment

Jackie Zipkin called the meeting to order at 9:15 am and led introductions. The meeting was conducted in hybrid format, with participants joining virtually and in-person at EBMUD's Downtown Office. There was no public comment.

2. Updates

- After extensive stakeholder engagement, the **Trading Framework** is well under development. A public webinar is being held on October 29 to provide updates. BACWA has setup an advisory group to guide decision-making moving forward and to ensure that representative from small and medium agencies are engaged in the process. Decisions that will be put forward to the group include – whether a central exchange is needed (or sufficient to rely on direct agency-to-agency

trading), and what the cost of credits in the central exchange would be based on (capital cost, O&M, or both), etc.

- **The Annual RMP meeting** is focused on nutrients. BACWA ED will present on regional efforts to reduce nutrient. The Pulse of the Bay publication highlighted nutrient reduction efforts, including 6 cases studies from Bay Area WWTPs.
- **Group Annual Report:** BACWA is working with HDR to assist agencies in providing information requested by RWQCB. At this time, 25 out of 30 agencies have submitted the additional requested information and the RWQCB did not find any issues with the information. The submittal template will be used in GARs moving forward, so this effort will be helpful in future years.
- **CEQA Support for Basin Plan Amendment**: BACWA is working with AECOM to develop the CEQA analysis needed for the BPA. At this stage, AECOM/BACWA are gathering data on agencies' past/current projects as well as plans for future projects that may need the extended time for compliance offered by the BPA. Please support this effort by responding to RFIs, if your agency receives one.

3. Review BPA language. The group discussed the following aspects of the BPA and how it may be applied in future nutrient watershed permits.

- The BPA language notes that **projects qualifying for extra time** (15 years instead of the default 10 years) must be from the following categories: nature-based solutions, water recycling, innovative technologies, and projects expected to achieve reductions significantly below the final effluent limits OR conventional projects with an NTP issued by 10/1/2030 and which may have constructability constrains or a change in direction after a failed pilot project OR the USD project that is currently underway.
- The group discussed various considerations of how the BPA would be implemented into the watershed NPDES permits such as compliance schedules and implementation of interim limits (vs compliance milestones). Attendees also brought up hypothetical scenarios of these considerations for a combination of qualifying and non-qualifying projects. It was noted that future guidance/discussions with the RWQCB are key in planning for an effective implementation of the BPA.

4. Action items/next steps

- BACWA will bring up questions around the implementation of the BPA in the nutrient watershed permit at the upcoming joint BACWA Board / Regional Water Board meeting.

Meeting adjourned at 10:40 am.

Special Executive Board Meeting Minutes
Joint Meeting with Regional Water Board Staff
October 26, 2026

INTRODUCTIONS

Executive Board Representatives: Amit Mutsuddy (EBMUD), Jackie Zipkin (East Bay Dischargers Authority); Eric Dunlavey (San José), Lori Schectel (Central San); Amy Chastain (SFPUC) not present.

Other Attendees:

Name(s)	Agency
Eileen White, Mary Cousins, Aidan Cechetti, Kevin Lunde, Kerry O'Connor	San Francisco Bay Regional Water Board
Alina Constantinescu	BACWA
Matt Zucca	Silicon Valley Clean Water
Paul Eldredge, Armando Lopez	USD
Jennie Peng	SFPUC
David Donovan	Hayward

The meeting began at 9:05 am at the Union Sanitary District (USD) main office in Union City. There was no public comment.

SUMMARY OF DISCUSSION

Water Board and Agency Updates

Donald Young and Andy Gunther re-appointed to the Board, keeping the Board to six members; there will likely be no new appointees during this governor's term. Updates to the Bay-Delta Plan up for adoption at October 28-29 SWRCB hearing. RWQCB also responding to inquiries / conversations about agencies' El Niño preparedness. Erica Rodriguez is a new hire / permit writer and will be handling cases from John Madigan previous workload.

BACWA and RWB staff presented at recent RMP meeting that was focused on nutrients. BACWA agencies also shared updates on ongoing projects:

- Central San upcoming solids processing upgrades;
- USD –Enhanced treatment project (ETSU): Phase 1A underway (new HQ building, new aeration basins) and Phase 1B (new secondary clarifiers); capital projects on collection system and pump stations continue;
- EBDA – going through preparation of NPDES ROWD;
- SVCW – received air permit for food waste handling;
- San Jose – 70th anniversary event on 11/5 (VIPs/elected officials) and 11/7 and 11/14 open house and public tours, coordinating with Valley Water re: emergency preparedness for El Niño;

- Hayward – working on nature-based solutions, looking for more grants; electrical upgrades well underway in support of upcoming upgrades, still waiting on WFIA financing and looking into bond financing; RW master plan underway.
- EBMUD – successful 75th anniversary with 850+ signups and a variety of tours, El Niño prep; CIP: sludge dewatering project;
- SFPUC - El Niño prep and training; SE plant TO expected Dec/Jan.

Constituents of Emerging Concern

BACWA PFAS Phase 3 Study

WWTPs monitoring completed this summer; data is coming in and going through QA/QC, followed by monitoring of potential sources in the subsewersheds in the second year (to be selected based on first year data).

RMP Special Studies Update

There is a statewide effort to compile an inventory of all PFAS data in the state; look for an RFI on meta data from CASA or its consultant, AECOM. BACWA also shared that the RMP Emerging Contaminant Workgroup is working on a QACs Study (concentrations entering the Bay but also potentially affecting biological treatment at WWTPs) and a study to identify potential ancillary benefits of CEC removal from nutrient removal treatment.

Nutrients Trading

BACWA agencies requested guidance from RWB on how to report intention to buy credits as a compliance strategy in the next group annual report. RWB noted that they will consider this question internally before responding; preliminarily they noted that reporting on this will likely be within the framework that was used for the compliance milestone reporting requested this summer.

Nutrients – Basin Plan Amendment for Compliance Schedule Policy

CEQA Substitute Environmental Document **–** Water Board working with AECOM on the CEQA SED; progress is good.

BPA Adoption Schedule - RWB plans to release BPA in late January for 45-day public comment; May or June Board Hearing for BPA adoption. SWRCB will need to review/approve (likely 9-12 months) and Office of Admin Law as well (3 months). EPA will need to review/approve as final step. Goal is to have EPA approval before the next permit adoption in 2029.

BPA Implementation in Nutrient Watershed NPDES Permit

Several issues were discussed under this topic, including:

- Non-qualifying projects, which must be completed within 10 years.

- RWB not planning to assign interim limits mid-way through the 2029 permit (if a non-qualifying project is done midway through that permit).
- Agencies' concerns about interim limits potentially being set based on modeled/expected performance, not real world results.

Discussion will continue at future meetings. RWB will discuss internally with NPDES permitting staff about proper implementation of BPA into the permit.

Nutrients – Reporting

The Water Board noted that the Compliance Milestone Reports submitted this summer/fall are a good template for the Group Annual Report. BACWA to work on draft RFI for dischargers. Note that governance plans for RW plans and nature-based solutions are due in next year's report. If agencies need more time to prepare the plans, they need to request a one-year extension by January 1.

USD WWTP Presentation and Tour

After the business portion of the meeting, USD staff shared information about their efforts to enhance nutrient removal at the plant. Attendees then toured the USD WWTP and learned about the on-going work and planned upgrades. The tour portion of the meeting started at 11:10a.

BACWA
BAY AREA
CLEAN WATER
AGENCIES

October 19, 2026

MEMO TO**:** Bay Area Clean Water Agencies Executive Board

MEMO FROM: Phoebe Grow, Treasurer, East Bay Municipal Utility District

SUBJECT: Third Month FY 2027 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, 2026 through September 30, 2026** (Three months of Fiscal Year 2027). 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),
- BACC Legal Reserve Fund (BACC Legal Rsrv),
- Water/Wastewater Operator Training (WOT),

Houck, Matt

From: Grow, Phoebe
Sent: Tuesday, October 27, 2026 10:13 AM
To: Houck, Matt
Subject: Re: BACWA - September 2026 Treasurer's Report

Approved. Thanks for the reminder!

Phoebe Grow, P.E. (she/her) | **Principal Management Analyst** | 510.287.0205 | phoebe.grow@ebmud.com

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From: Houck, Matt <matt.houck@ebmud.com>
Sent: Tuesday, October 27, 2026 8:10 AM
To: Grow, Phoebe <phoebe.grow@ebmud.com>
Subject: RE: BACWA - September 2026 Treasurer's Report

Hi Phoebe,

I just wanted to follow up on the approval for the September BACWA TR.

Thanks,

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

From: Houck, Matt
Sent: Monday, October 19, 2026 10:24 AM
To: Grow, Phoebe <phoebe.grow@ebmud.com>
Subject: BACWA - September 2026 Treasurer's Report

Hi Phoebe,

Please approve BACWA – September 2026 Treasurer's Report for distribution.

Let me know if you have any questions.

Thanks,

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

Fund Balances

In FY26 BACWA has three operating funds (BACWA, Legal, and CBC) and one pass-through fund for which BACWA provides only contract administration services (BACC). As of October 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 September 30, 2026, was $461,551. $907,734 is encumbered for FY27 to meet ongoing operating line-item expenses for BAPPG Committee Support, Legal services, IT services, Board meeting expenses, accounting services and BACWA staff support, which leaves -$446,183 unobligated. The encumbrances for FY27 are causing the unobligated line to appear as negative.

CBC Fund: This fund provides the resources for completing special investigations as well as meeting regulatory requirements. The ending fund balance on September 30, 2026, was $3,120,122 which is higher than the target reserve of $1,000,000. $1,439,778 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 $1,952,874 as of September 30, 2026. 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 September 30, 2026 (25% of the FY) are at 64%

Expenses as of September 30, 2026 (25% of the FY) are at 10%

BACWA BAY AREA CLEAN WATER AGENCIES

BACWA FY27 BUDGET	Line Item Description	FY27 Budget	Projected Rev as of Sept2026	Actual Sept2026	Acutal % of Budget Sept2026	Variance	FY27 NOTES
REVENUES & FUNDING							
Dues	Principals' Contributions	$610,707	$610,707	$610,705	100%	-$2	FY27: 5% increase 5 @ $122,141
	Associate & Affiliate Contributions	$226,446	$226,446	$0	0%	-$226,446	FY27: 5% increase. 13 Assoc: $10,079 47 Affiliate: $2018; UC Berkeley $541
Fees	Clean Bay Collaborative	$675,000	$675,000	$450,000	67%	-$225,000	Same as FY25. Prin: $450,000; Assoc/Affil: $225,000
	Nutrient Surcharge	$1,750,000	$1,750,000	$1,142,520	65%	-$607,480	See Nutrient Surcharge Spreadsheet
	Member Voluntary Nutrient Contributions						
Other Receipts	Non R2 Affiliate Members	$8,072	$8,072	$0	0%	-$8,072	FY27: 5% increase Santa Rosa, Sac Reg'l, Vacaville,Ironhouse $2018 / each,
Interest Income	LAIF	$200,000	$200,000	$29,268	15%	-$170,732	BACWA, Legal, & CBC Funds invested in LAIF
	Total Revenue	$3,470,225	$3,470,225	$2,232,493	64%	-$1,237,732	

BACWA FY27 BUDGET	Line Item Description	FY27 Budget	Projected Expense as of Sept2026	Actual Sept2026	Actual % of Budget Sept2026	Variance	FY27 NOTES
EXPENSES							
Labor							
	Executive Director	$240,195	$240,195	$40,033	17%	-$200,163	(incl 3% CPI SF Bay Metro Area Dec 2025)
	Assistant Executive Director	$126,427	$126,427	$21,239	17%	-$105,188	(incl 3% CPI SF Bay Metro Area Dec 2025); $84.28/hour; Reflects 1200 AED hours + 300 hrs EPA Grant
	Regulatory Program Manager	$167,249	$167,249	$33,636	20%	-$133,613	(incl 3% CPI SF Bay Metro Area Dec 2025); $123.88/hour, Reflects 1350 hours
	Employee Model Contingency	$152,573	$152,573	$23,652	16%	-$128,921	Based on an estimate of benefits costing 30% of salary
	Total	$686,444	$686,444	$118,559	17%	-$567,885	
Administration							
	EBMUD Financial Services	$46,826	$46,826	$0	0%	-$46,826	5% increase from FY26
	Auditing Services	$6,200	$6,200	$2,400	39%	-$3,800	Financial Auditors through EBMUD; per auditor rate schedule
	Administrative Expenses	$4,059	$4,059	$0	0%	-$4,059	No change from FY26
	Insurance	$11,000	$11,000	$9,501	86%	-$1,499	15-20% increase from FY26 actual (per Alliant)
	Total	$68,085	$68,085	$11,901	17%	-$56,183	
Meetings							
	EB Meetings	$4,200	$4,200	$724	17%	-$3,476	No change from FY26
	Annual Meeting	$15,806	$15,806	$0	0%	-$15,806	10% increase from FY26
	Pardee	$4,000	$4,000	$0	0%	-$4,000	No change from FY26
	Misc. Meetings and conferences	$10,000	$10,000	$1,869	19%	-$8,131	No change from FY26
	Total	$34,006	$34,006	$2,593	8%	-$31,413	
Communication							
	Website Hosting / Domain registration	$250	$250	$0	0%	-$250	66% decrease based on FY25 actual spending and vendor change
	File Storage	$750	$750	$0	0%	-$750	No change from FY26, box.net
	Website Development/Maintenance	$750	$750	$0	0%	-$750	54% decrease based on FY25 actual spending and vendor change

EXPENSES							
	IT Support (As Needed)	$1,000	$1,000	$0	0%	-$1,000	65% decrease based on FY25 actual spending
	BACWA Value of Wastewater Communication	$50,000	$50,000	$574	1%	-$49,426	New line item in FY24, no change from FY24 - TBD
	Other Communication	$4,000	$4,000	$181	5%	-$3,819	10% increase from FY25 actual; MS Exchange, Survey Monkey, PollEv, Zoom, Netfile, listserv
	Total	**$56,750**	**$56,750**	**$755**	**1%**	**-$55,995**	
Legal							
	Regulatory Support	$20,000	$20,000	$1,493	7%	-$18,508	No change from FY26
	Executive Board Support	$20,000	$20,000	$510	3%	-$19,490	Increase from FY26 for employment models support
	Total	**$40,000**	**$40,000**	**$2,003**	**5%**	**-$37,998**	
Committees							
	AIR	$126,030	$126,030	$6,812	5%	-$119,218	Carollo contract
	BAPPG	$159,060	$159,060	$23,571	15%	-$135,489	Includes Pest. Reg Spt. @ $77k; Pest. Prof Outreach @$27K; Media Consultant @ $50K; misc.$5k
	Asset Management Committee	$500	$500	$0	0%	-$500	No change from FY26
	BABC	$120,000	$120,000	$0	0%	-$120,000	Formerly BACWA Biosolids, now BABC program management contract
	Collections System	$700	$700	$39	6%	-$661	SSS WDR Support
	O&M Committee	$500	$500	$490	98%	-$10	No change from FY26
	Laboratory Committee	$700	$700	$0	0%	-$700	Increase from FY26
	Permits Committee	$500	$500	$0	0%	-$500	No change from FY26
	Pretreatment	$500	$500	$0	0%	-$500	No change from FY26
	Recycled Water Committee	$500	$500	$0	0%	-$500	No change from FY26
	Misc Committee Support	$45,000	$45,000	$0	0%	-$45,000	No change from FY26
	Manager's Roundtable	$1,000	$1,000	$371	37%	-$629	No change from FY26
	Total	**$454,990**	**$454,990**	**$31,283**	**7%**	**-$423,707**	
Collaboratives							
	Collaboratives						
	State of the Estuary (SFEP-biennial)	$0	$0	$0	0%	$0	Biennial in Even Fiscal Years
	Arleen Navarret Award	$2,500	$2,500	$0	0%	-$2,500	Next Award will be disbursed in FY27
	BayCAN	$1,500	$1,500	$1,500	100%	$0	
	General benefit contribution to EPM Pilot	$50,000	$50,000	$0	0%	-$50,000	EPM time spent on general permitting improvements
	Bay Area One Water Network	$0	$0	$0	0%	$0	No donations in FY27
	Bruce Wolfe Scholarship	$4,000	$4,000	$0	0%	-$4,000	FY27 thru FY31 approved in March 2026
	Our Water Our World Program	$10,000	$10,000	$0	0%	-$10,000	No change from FY26, Previously included in BAPPG Budget
	National Stewardship Action Council	$10,000	$10,000	$10,000	100%	$0	No change from FY26, Previously included in BAPPG Budget
	California Product Stewardship Council	$10,000	$10,000	$10,000	100%	$0	No change from FY26, Previously included in BAPPG Budget
	Misc	$1,500	$1,500	$0	0%	-$1,500	NBWA
	Total	**$89,500**	**$89,500**	**$21,500**	**24%**	**-$68,000**	
Other							
	Unbudgeted Items						
	Other						
Tech Support							
	Technical Support						
	Nutrients						
	Watershed Permit NMS Contribution	$2,200,000	$2,200,000	$0	0%	-$2,200,000	Permit required funding for 3rd Watershed Permit Science Studies
	NMS Voluntary Contributions			$0			
	Additional work under permit	$100,000	$100,000	$123,314	123%	$23,314	Discretionary work including CEQA support for Basin Plan Amendment
	Nutrient Workshop(s)	$0	$0	$0			Pilot Studies/Plant Review/Innovative Technologies; Might change

EXPENSES							
	NMS Reviewer	$30,000	$30,000	$0	0%	-$30,000	Contract with Joe Dillion
	Regional Nutrient Compliance Support	$250,000	$250,000	$149,217	60%	-$100,783	HDR multi year contract
	General Tech Support	$100,000	$100,000	$0	0%	-$100,000	Eg. Nutrients, biosolids - may be used for trading if EPA support is unavailable
	CEC Investigations	$50,000	$50,000	$0	0%	-$50,000	PFAS Study Phase 3
	Risk Reduction	$12,500	$12,500	$0	0%	-$12,500	Will plan new risk reduction tasks for current Hg/PCB Watershed Permit
	Total	**$2,742,500**	**$2,742,500**	**$272,531**	**10%**	**-$2,469,969**	
	TOTAL EXPENSES	**$4,172,275**	**$4,172,275**	**$461,124**	**11%**	**-$3,711,151**	
	NET INCOME BEFORE TRANSFERS	**-$702,050**					
	TRANSFERS FROM RESERVES	**$702,050**					aligns with strategy of drawing down reserves to lessen impact of Nutrient Surcharge
	NET INCOME AFTER TRANSFERS	**$0**					
	TOTAL OPERATING BUDGET	**$1,341,775**					
	OPERATING RESERVE	**$335,444**					

BACWA Special Projects Budget - FY27

	Line Item Description	FY27 Budget	Projected as of Sept2026	Actual Sept2026	Actual % of Budget Sept2026	Variance	FY27 NOTES
REVENUES & FUNDING							
	BACC Admin Fees	$52,000	$52,000	$0	0%	-$52,000	400 hours of AED support $130/hr
	CASA Passthrough	$620,125	$620,125	$418,500	67%	-$201,625	Pass through program to support pooled emissions study
	EPA Grant - staffing/PM/admin	$117,300	$117,300	$0	0%	-$117,300	Project management task 4.1 in proposal to EPA (will find out in April if awarded) Includes 300 hrs AED
	EPA Grant - nutrient trading	$365,667	$365,667	$0	0%	-$365,667	Trading 3.1 in proposal to EPA (will find out in April if awarded)
	EPA Grant - Passthrough to subawardees	$6,359,537	$6,359,537	$0	0%	-$6,359,537	Passthrough to subawardees(will find out in April if awarded)
	AQPI	tbd					MOU under development - will be cost neutral for BACWA
	Bay Area Air District EPM Agency Passthrough	tbd					EPM work for specific agencies will be cost-neutral for BACWA
	Total Revenues	**$7,514,628**	**$7,514,628**	**$418,500**	**6%**	**-$7,096,128**	

	Line Item Description	FY27 Budget	Projected Expense as of Sept2026	Actual Sept2026	Actual % of Budget Sept2026	Variance	FY27 NOTES
EXPENSES							
	BACC Administrator	$52,000	$52,000	$4,160	8%	-$47,840	400 hrs AED support at $130 per hr
	CASA Passthrough	$620,125	$620,125	$0	0%	-$620,125	Pass through program to support pooled emissions study
	EPA Grant - staffing/PM/admin	$117,300	$117,300	$0	0%	-$117,300	Project management task 4.1 in proposal to EPA (will find out in April if awarded)
	EPA Grant - nutrient trading	$365,667	$365,667	$0	0%	-$365,667	Trading 3.1 in proposal to EPA (will find out in April if awarded) Includes 300 hrs AED
	EPA Grant - Passthrough to subawardees	$6,359,537	$6,359,537	$0	0%	-$6,359,537	Passthrough to subawardees(will find out in April if awarded)
	AQPI	tbd					MOU under development - will be cost neutral for BACWA
	Bay Area Air District EPM Agency Passthrough	tbd					EPM work for specific agencies will be cost-neutral for BACWA
	Total Expenses	**$7,514,628**	**$7,514,628**	**$4,160**	**0%**	**-$7,510,468**	
Administration							
	Total Revenues	**$7,514,628**	**$7,514,628**	**$418,500**	**6%**	**-$7,096,128**	
	(Total Exepnses)	**$7,514,628**	**$7,514,628**	**$4,160**	**0%**	**-$7,510,468**	
	Total Cost to BACWA General Fund	**$0**	**$0**				

BACWA Fund Report as of September 30, 2026

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	31,660	618,406	188,515	461,551	907,734	(446,183)
604	LEGAL RSRV	300,000	-	-	300,000	-	300,000
605	CBC	1,780,094	1,612,559	272,531	3,120,122	1,167,248	1,952,874
	SUBTOTAL 1	*2,111,754*	*2,230,965*	*461,046*	*3,881,673*	*2,074,982*	*1,806,691*
602	BABC	*185,385*	1,104	-	186,489	-	186,489
606	BACC	*18,688*	*1,528*	*4,160*	16,056	*47,840*	(31,784)
607	BACC LEGAL RSRV	*150,000*	-	-	150,000	-	150,000
610	WOT	*259,236*	-	-	259,236	-	259,236
612	CASA Air Toxics	1,000	418,500	-	419,500	-	419,500
	SUBTOTAL 2	*614,309*	*421,132*	*4,160*	*1,031,281*	*47,840*	*983,441*
	GRAND TOTAL	**2,726,063**	**2,652,097**	**465,206**	**4,912,954**	**2,122,822**	**2,790,132**

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
600	BACWA	31,660	618,406	188,515	461,551	-	38,149	499,700	499,700	-	0%	-		priority # 6 for allocation
604	LEGAL RSRV	300,000	-	-	300,000	-	-	300,000	-	300,000	11%	-		priority # 1 for allocation
605	CBC	1,780,094	1,612,559	272,531	3,120,122	-	-	3,120,122	935,347	2,184,775	83%	-		priority # 3 for allocation
	SUBTOTAL 1	2,111,754	2,230,965	461,046	3,881,673	-	38,149	3,919,822	1,435,047	2,484,775	94%	-		
602	BABC	185,385	1,104	-	186,489	-	-	186,489	186,489	-	0%	-		priority # 4 for allocation
606	BACC	18,688	1,528	4,160	16,056	-	-	16,056	16,056	-	0%	-		
607	BACC LEGAL RSRV	150,000	-	-	150,000	-	-	150,000	-	150,000	6%	-		priority # 2 for allocation
610	WOT	259,236	-	-	259,236	-	-	259,236	259,236	-	0%	-		priority # 5 for allocation
612	CASA Air Toxics	1,000	418,500	-	419,500	-	-	419,500	419,500	-	0%	-		
	SUBTOTAL 2	614,309	421,132	4,160	1,031,281	-	-	1,031,281	881,281	150,000	6%	-		
	GRAND TOTAL	**2,726,063**	**2,652,097**	**465,206**	**4,912,954**	**-**	**38,149**	**4,951,103**	**2,316,328**	**2,634,775**	**100%**			
							-	-	-		-			

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

Reconciliation to Trial Balance

Per Report above:	
General	2,230,965
WOT, BABC, & BACC	421,132
PROP	-
subtotal	**2,652,097**

STB	29020	-	
STB	14930	2,634,775	
STB	15050	2,316,328	
		4,951,103	-
STB	16300	-	
STB	21350	(38,149)	
		4,912,954	-

Trial Balance Revenue Accounts

40100	Interest	(30,372)
40101	Mem Contrib	(1,479,205)
40102	Transfer	-
40103	Assoc Contrib	-
40104	Other	(1,142,520)
47310	State Grant	-
47320	Grant Retention	-
subtotal		**(2,652,097)**
Difference		**-**

BACWA Revenue Report as of September 30, 2026

Cost Center Code	Cost Center Description	Program Segment Description	Program Segment Value	Amended Budget	Current Period	FY27 - Year to Date	Unobligated
600	Bay Area Clean Water Agencies	BABC - AED and RPM Support	6200	-	-	-	-
		BACC - AED Support	6199	(52,000.00)	-	-	52,000.00
		BDO Affil/CS/Assoc Dues	6104	-	-	-	-
		BDO Affiliate/Associate Dues	6103	-	-	-	-
		BDO Assoc.&Affiliate Contr	6102	(226,446.00)	-	-	226,446.00
		BDO Fund Transfers	6141	-	-	-	-
		BDO Member Contributions	6101	(610,707.00)	-	(610,705.00)	2.00
		BDO Non-Member Contr AIR	6136	-	-	-	-
		BDO Other Receipts	6105	-	-	-	-
		BDO Other Receipts (Misc)	6140	-	-	-	-
		BDO- Interest Income from LAIF	6142	(200,000.00)	(2,210.19)	(7,701.16)	192,298.84
		BDO-Alternative Investment Inc	6143	-	-	-	-
		Non R2 Affiliate Members	6135	(8,072.00)	-	-	8,072.00
600 Total				**(1,097,225.00)**	**(2,210.19)**	**(618,406.16)**	**478,818.84**
602	Bay Area Biosolids Coalition	BDO Fund Transfers	6141	-	-	-	-
		BDO Member Contributions	6101	-	-	-	-
		BDO- Interest Income from LAIF	6142	-	-	(1,103.82)	(1,103.82)
602 Total				**-**	**-**	**(1,103.82)**	**(1,103.82)**
605	Clean Bay Collaborative	BDO Fund Transfers	6141	-	-	-	-
		BDO Member Contributions	6101	(675,000.00)	-	(450,000.00)	225,000.00
		BDO Other Receipts	6105	(1,750,000.00)	-	(1,142,520.00)	607,480.00
		BDO- Interest Income from LAIF	6142	-	-	(20,038.57)	(20,038.57)
605 Total				**(2,425,000.00)**	**-**	**(1,612,558.57)**	**812,441.43**
606	Bay Area Chemical Consortium	BDO Member Contributions	6101	-	-	-	-
		BDO- Interest Income from LAIF	6142	-	-	(1,528.37)	(1,528.37)
606 Total				**-**	**-**	**(1,528.37)**	**(1,528.37)**
607	BACC Legal RSRV	BDO Fund Transfers	6141	-	-	-	-
607 Total				**-**	**-**	**-**	**-**
610	WOT Wtr Wwtr Operat Training	BDO- Interest Income from LAIF	6142	-	-	-	-
610 Total				**-**	**-**	**-**	**-**
612	CASA Air Toxics	BDO Member Contributions	6101	(620,125.00)	-	(418,500.00)	201,625.00
612 Total				**(620,125.00)**	**-**	**(418,500.00)**	**201,625.00**
Grand Total				**(4,142,350.00)**	**(2,210.19)**	**(2,652,096.92)**	**1,490,253.08**

BACWA Treasurer's Report Expenses and Encumbrances

Period Covering July 1, 2026 through September 30, 2026

Cost Center Code	Program Segment Description	Program Segment Value	Amended Budget	Obligated Fiscal Year to Date	Unobligated
600	AIR-Air Issues&Regulation Grp	6153	126,030.00	126,030.00	-
	AS-Assistant Executive Directo	6175	126,427.00	126,427.00	-
	AS-Audit Services	6180	6,200.00	2,400.00	3,800.00
	AS-BACWA Admin Expense	6173	4,059.00	-	4,059.00
	AS-EBMUD Financial Services	6176	46,826.00	46,826.00	-
	AS-Executive Director	6174	240,195.00	240,195.00	-
	AS-Insurance	6177	11,000.00	9,501.39	1,498.61
	AS-Regulatory Program Manager	6179	167,249.00	126,564.50	40,684.50
	Administrative Support	6178	-	-	-
	Asset Management Committee	6213	500.00	-	500.00
	BABC	6147	120,000.00	130,000.00	(10,000.00)
	BACWA Value of Wastewater Communication	6211	50,000.00	40,000.00	10,000.00
	BC-BAPPG	6152	159,060.00	154,199.70	4,860.30
	BC-Collections System	6144	700.00	(39.38)	739.38
	BC-Laboratory Committee	6149	700.00	-	700.00
	BC-Manager's Roundtable	6154	1,000.00	370.59	629.41
	BC-Miscellaneous Committee Sup	6150	45,000.00	-	45,000.00
	BC-Permit Committee	6145	500.00	-	500.00
	BC-Pretreatment Committee	6151	500.00	-	500.00
	BC-Water Recycling Committee	6146	500.00	-	500.00
	Bay Area One Water Network	6209	-	-	-
	Bruce Wolf Scholarship	6210	4,000.00	-	4,000.00
	CAR-BACWA File Storage	6165	750.00	-	750.00
	CAR-BACWA IT Software	6167	4,000.00	180.94	3,819.06
	CAR-BACWA IT Support	6166	1,000.00	-	1,000.00
	CAR-BACWA Website Dev/Maint	6163	750.00	-	750.00
	CAR-BACWA Website Hosting	6164	250.00	-	250.00
	CAS-Arleen Navaret Award	6160	2,500.00	-	2,500.00
	CAS-BayCAN	6204	1,500.00	1,500.00	-
	CAS-Misc Collaborative Sup	6162	1,500.00	-	1,500.00
	CAS-PSSEP	6157	-	-	-
	CAS-Stanford ERC	6159	-	-	-
	California Product Stewardship Council	6216	10,000.00	10,490.02	(490.02)
	Employee Model Contingency	6219	152,573.00	48,500.00	104,073.00
	GBS-Meeting Support-Annual	6170	15,806.00	-	15,806.00
	GBS-Meeting Support-Exec Bd	6169	4,200.00	723.70	3,476.30
	GBS-Meeting Support-Misc	6172	10,000.00	1,869.27	8,130.73
	GBS-Meeting Support-Pardee	6171	4,000.00	-	4,000.00
	LS-Executive Board Support	6156	20,000.00	510.00	19,490.00
	LS-Regulatory Support	6155	20,000.00	20,000.00	-
	National Stewardship Action Council	6215	10,000.00	10,000.00	-
	O&M Committee	6148	500.00	-	500.00
	Our Water Our World Program	6214	10,000.00	-	10,000.00
	WQA-CE-Nature Based Solutions	6196	-	-	-
	Write-Off Doubtful Accounts	6208	-	-	-
600 Total			**1,379,775.00**	**1,096,248.73**	**283,526.27**
602	AS-Assistant Executive Directo	6175	-	-	-
	AS-Regulatory Program Manager	6179	-	-	-
	Academia Research & Development	6203	-	-	-
	Administrative Support	6178	-	-	-
	BDO Contract Expenses	6186	-	-	-
	Collateral Development	6197	-	-	-
	Program Manager Expense	6202	-	-	-
	Technology Research & Development	6206	-	-	-
602 Total			**-**	**-**	**-**
605	Recycled Water Evaluation	6198	-	-	-
	Regional Nutrient Compliance Support	6218	250,000.00	916,811.92	(666,811.92)
	WQA - CEC Investigations	6201	50,000.00	86,513.97	(36,513.97)
	WQA-CE Addl Work Under Permit	6191	100,000.00	392,540.00	(292,540.00)
	WQA-CE Risk Reduction	6190	12,500.00	13,912.38	(1,412.38)
	WQA-CE Voluntary Nutr Contrib	6193	-	-	-
	WQA-CE-Nature Based Solutions	6196	-	-	-
	WQA-CE-Nutrient WS Permit Comm	6188	2,200,000.00	-	2,200,000.00
	WQA-CE-Technical Support	6181	100,000.00	-	100,000.00
	WQA-NMSReviewer	6205	30,000.00	30,000.00	-
605 Total			**2,742,500.00**	**1,439,778.27**	**1,302,721.73**
606	AS-BACWA Admin Expense	6173	-	-	-
	AS-Regulatory Program Manager	6179	-	-	-
	Administrative Support	6178	52,000.00	52,000.00	-
	BDO Fund Transfers	6141	-	-	-
	CAR-BACWA IT Support	6166	-	-	-
	CAR-BACWA Website Hosting	6164		-	-
	GBS-Meeting Support-Misc	6172	-	-	-
606 Total			**52,000.00**	**52,000.00**	**-**
610	Administrative Support	6178	-	-	-
	BDO Contract Expenses	6186	-	-	-
610 Total			**-**	**-**	**-**
612	Passthrough to CASA for air toxics	6212	620,125.00	-	620,125.00
612 Total			**620,125.00**	**-**	**620,125.00**
Grand Total			**4,794,400.00**	**2,588,027.00**	**2,206,373.00**

BACWA EXECUTIVE BOARD AUTHORIZATION REQUEST

AGENDA NO.: 5

MEETING DATE: November 13, 2026

TITLE: Approval of Audited Financial Reports for the Year Ended June 30, 2026

☐ **RECEIPT** ☐ **DISCUSSION** ☐ **RESOLUTION** ☒ **APPROVAL**

RECOMMENDED ACTION
Approve the Audited Financial Report for Fiscal Year 2026 (BACWA Audit Communication Letter and BACWA Basic Financial Statement) provided by EBMUD acting as Treasurer of BACWA.

SUMMARY
At the end of each fiscal year EBMUD requests an audit of BACWA financials and provides the reports to BACWA. The audit are provided for Board approval. There were no significant issues found in the audit.

FISCAL IMPACT
Audits are prepared by Auditors engaged by EBMUD and paid for under the budgeted Audit Fees.

ALTERNATIVES
No alternatives were considered as the Audit and Financial Statement are required by the BACWA JPA.

Attachments:
BACWA Financial Statement

Approved:

_____ **Date: __November 13, 2026_____**
Amy Chastain, BACWA Chair

BAY AREA CLEAN WATER AGENCIES

MEMORANDUM ON INTERNAL CONTROL
AND
REQUIRED COMMUNICATIONS

FOR THE YEAR ENDED
JUNE 30, 2026

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BAY AREA CLEAN WATER AGENCIES

MEMORANDUM ON INTERNAL CONTROL
AND
REQUIRED COMMUNICATIONS

For the Year Ended June 30, 2026

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MAZE & ASSOCIATES

MEMORANDUM ON INTERNAL CONTROL

To the Board of Directors of
Bay Area Clean Water Agencies
Oakland, California

In planning and performing our audit of the basic financial statements of the Bay Area Clean Water Agencies (BACWA) as of and for the year ended June 30, 2026, in accordance with auditing standards generally accepted in the United States of America, we considered BACWA's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of BACWA's internal control. Accordingly, we do not express an opinion on the effectiveness of BACWA's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the BACWA's financial statements will not be prevented, or detected and corrected, on a timely basis.

Our consideration of internal control was for the limited purpose described in the first paragraph and was not designed to identify all deficiencies in internal control that might be material weaknesses. In addition, because of inherent limitations in internal control, including the possibility of management override of controls, misstatements due to error or fraud may occur and not be detected by such controls. Given these limitations during our audit, we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

This communication is intended solely for the information and use of management, Board of Directors, others within the organization, and agencies and pass-through entities requiring compliance with *Government Auditing Standards*, and is not intended to be and should not be used by anyone other than these specified parties.

Maze + Associates

Pleasant Hill, California
September 24, 2026

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MAZE & ASSOCIATES

REQUIRED COMMUNICATIONS

To the Board of Directors of
Bay Area Clean Water Agencies
Oakland, California

We have audited the basic financial statements of the Bay Area Clean Water Agencies (BACWA) for the year ended June 30, 2026. Professional standards require that we provide you with information about our responsibilities under generally accepted auditing standards, *Government Auditing Standards*, and SCO, as well as certain information related to the planned scope and timing of our audit. We have communicated such information in our letter to you dated May 19, 2026. Professional standards also require that we communicate to you the following information related to our audit.

Significant Audit Matters

Qualitative Aspects of Accounting Practices

Accounting Policies – Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by BACWA are described in Note 1 to the financial statements. No new accounting policies were adopted and the application of existing policies was not changed during the year.

The following pronouncements became effective, but did not have a material effect on the financial statements:

GASB 103 – ***Financial Reporting Model Improvements***
GASB 104 – ***Disclosure of Certain Capital Assets***

Unusual Transactions, Controversial or Emerging Areas – We noted no transactions entered into by BACWA during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting Estimates – Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected. The most sensitive estimates affecting BACWA's financial statements were:

> *Estimated Fair Value of Investments:* As of June 30, 2026, BACWA held approximately $3.1 million of cash and investments as measured by fair value as disclosed in Note 2 to the financial statements. Fair value is essentially market pricing in effect as of June 30, 2026. These fair values are not required to be adjusted for changes in general market conditions occurring subsequent to June 30, 2026.

Disclosures - The financial statement disclosures are neutral, consistent, and clear.

Difficulties Encountered in Performing the Audit

We encountered no significant difficulties in dealing with management in performing and completing our audit.

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Corrected and Uncorrected Misstatements

Professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that are clearly trivial, and communicate them to the appropriate level of management. We did not propose any audit adjustments that, in our judgment, could have a significant effect, either individually or in the aggregate, on BACWA's financial reporting process.

Professional standards require us to accumulate all known and likely uncorrected misstatements identified during the audit, other than those that are clearly trivial, and communicate them to the appropriate level of management. We have no such misstatements to report to the Board of Directors.

Disagreements with Management

For purposes of this letter, a disagreement with management is a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditor's report. We are pleased to report that no such disagreements arose during the course of our audit.

Management Representations

We have requested certain representations from management that are included in a management representation letter dated September 24, 2026.

Management Consultations with Other Independent Accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a "second opinion" on certain situations. If a consultation involves application of an accounting principle to BACWA's financial statements or a determination of the type of auditor's opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

Other Audit Findings or Issues

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as BACWA's auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our retention.

Other Matters

We applied certain limited procedures to the required supplementary information that accompanies and supplements the basic financial statements. Our procedures consisted of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We did not audit the required supplementary information and do not express an opinion or provide any assurance on the required supplementary information.

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This information is intended solely for the use of the Board of Directors and management and is not intended to be, and should not be, used by anyone other than these specified parties.



Pleasant Hill, California
September 24, 2026

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BAY AREA CLEAN WATER AGENCIES

Basic Financial Statements
For the Years Ended June 30, 2026 and 2025

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BAY AREA CLEAN WATER AGENCIES

Basic Financial Statements
For the Years Ended June 30, 2026 and 2025

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MAZE & ASSOCIATES

INDEPENDENT AUDITOR'S REPORT

To Board of Directors
Bay Area Clean Water Agencies
Oakland, California

Report on the Audit of the Financial Statements

Opinion

We have audited the accompanying financial statements of the business-type activities of the Bay Area Clean Water Agencies (BACWA) as of and for the year ended June 30, 2026, and the related notes to the financial statements, which collectively comprise BACWA's basic financial statements as listed in the Table of Contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the business-type activities of BACWA as of June 30, 2026, and the respective changes in financial position, and cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America, the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, and the State Controller's Minimum Audit Standards for California Special Districts. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of BACWA and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about BACWA's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

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Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards, *Government Auditing Standards*, and the State Controller's Minimum Audit Standards for California Special Districts, will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with generally accepted auditing standards, *Government Auditing Standards*, and the State Controller's Minimum Audit Standards for California Special Districts, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.

- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of BACWA's internal control. Accordingly, no such opinion is expressed.

- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.

- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about BACWA's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated September 24, 2026, on our consideration of BACWA's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of BACWA's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering BACWA's internal control over financial reporting and compliance.

Report on Summarized Comparative Information

The financial statements of BACWA as of for the year ended June 30, 2025, were audited by other auditors whose report has been furnished to us, dated November 10, 2025, expressed an unmodified opinion on those statements.

Maze + Associates

Pleasant Hill, California
September 24, 2026

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BAY AREA CLEAN WATER AGENCIES

Management's Discussion and Analysis
For the Years Ended June 30, 2026 and 2025

This section presents management's analysis of the Bay Area Clean Water Agencies (BACWA) financial condition and activities as of and for the years ended June 30, 2026 and 2025. Management's Discussion and Analysis (MD&A) is intended to serve as an introduction to BACWA's basic financial statements. The MD&A represents management's examination and analysis of BACWA's financial condition and performance.

This information should be read in conjunction with the audited financial statements that follow this section. The information in the MD&A is presented under the following headings:

- Overview of the Basic Financial Statements
- Financial Summary
- Detailed Analyses
- Currently Known Facts, Decisions, or Conditions
- Request for Information

Overview of the Basic Financial Statements

The Bay Area Clean Water Agencies (BACWA) is a local government agency created by a joint powers agreement in 1984. Our membership includes local clean water agencies that provide sanitary sewer services to the more than seven million people living in the nine county San Francisco Bay Area. BACWA was founded, and continues, to assist agencies in carrying out mutually beneficial projects, and to facilitate the development of scientific, economic and other information about the San Francisco Bay environment and the agencies that work to protect it and public health.

BACWA is governed by a five-person Executive Board comprised of one representative from each of the joint powers agreement signatory agencies: Central Contra Costa Sanitary District, East Bay Dischargers Authority, East Bay Municipal Utility District, the City and County of San Francisco, and the City of San Jose. BACWA members contribute funds to cover operating expenses based on an annual work plan and budget, in accordance with sections 9 and 10 of BACWA's Joint Powers Agreement. There are thirteen associate members and forty-seven affiliate members that contribute a minimum of $10,079 and $2,018 annually, respectively.

For additional information, please see the notes to the basic financial statements.

The financial statements include *statements of net position*, *statements of revenues, expenses, and changes in net position, statements of cash flows,* and *notes to the financial statements.* The report also contains other required supplementary information in addition to the basic financial statements.

BACWA's financial statements include:

The *Statements of Net Position* present information on BACWA's assets and liabilities, with the difference between the two reported as net position. It provides information about the nature and number of resources and obligations at year-end.

The Statements of Revenues, Expenses, and Changes in Net Position present the results of BACWA's operations over the course of the fiscal year and information as to how the net position changed during the year.

The Statements of Cash Flows present changes in cash and cash equivalents resulting from operational and investing activities. This statement summarizes the annual flow of cash receipts and cash payments, without consideration of the timing of the event giving rise to the obligation or receipt.

The *Notes to the Basic Financial Statements* provide additional information that is essential to a full understanding of the data provided in the basic financial statements. The notes to the basic financial statements can be found on pages 11 to 15 of this report.

Financial Summary

Table 1 summarizes net position at June 30, 2026 and 2025, and Table 2 summarizes revenues, expenses and changes in net position for the years ended June 30, 2026 and 2025. Both tables also include changes from the prior year.

Table 1
Summary of Net Position
June 30, 2026 and 2025

	2026	2025	Variance
Current assets	$ 3,159,128	$ 3,481,418	$ (322,290)
Current liabilities	408,302	173,313	234,989
Net position:			
Unrestricted	2,750,826	3,308,105	(557,279)
Total net position	$ 2,750,826	$ 3,308,105	$ (557,279)

Table 2
Summary of Revenues, Expenses and Changes in Net Position
Years Ended June 30, 2026 and 2025

	2026	2025	Variance
Operating revenues	$ 3,907,179	$ 3,836,659	$ 70,520
Operating expenses	(4,641,832)	(4,035,903)	(605,929)
Net operating income/(loss)	(734,653)	(199,244)	(535,409)
Other nonoperating revenues	177,374	227,286	(49,912)
Change in net position	$ (557,279)	$ 28,042	$ (585,321)

Detailed Analyses

In the current fiscal year, BACWA had total operating revenues of 3.9 million and total operating expenses of $4.6 million. The change in net position decreased from $28,042 in the previous fiscal year to ($557,279) in the current fiscal year. BACWA's total net position decreased from $3,308,105 to $2,750,826 during the current fiscal year.

The major components of BACWA's results of operations in the current fiscal year were:

- Current assets decreased by $322,290 primarily due to a decrease in cash and cash equivalents. This is constant with BACWA's fiscal year 2026 budget which projected expenses to eclipse revenues in a bid to draw down reserves.

- Current liabilities increased by $234,989 due to an increase in accounts payable. This increase was due to a large invoice received at year end associated with BACWA's Regional Nutrient Compliance Support program.

- Operating revenues increased by $70,520 primarily due to an increase in other receipts. Increase is primarily due to an increase in billed revenue for BACWAs Nutrient Surcharge program.

- Operating expenses increased by $605,929 primarily due to an increase in professional services. This increase is primarily due to increases in programs such as the Regional Nutrient Compliance Support program and the CASA air toxics program. This is constant with BACWA's strategy in fiscal year 2026 to draw down reserves

- Other non-operating revenues for the years ended June 30, 2026 and 2025 consisted of interest income. The decrease of $49,912 is due to a decrease in interest rates.

Currently Known Facts, Decisions, or Conditions

BACWA is aware of three developments that will have either an impact on the Agency's financial position or a significant impact on next year's results. Many of these expected events were built into the upcoming budget for long-term planning:

- As of June 30, 2026, BACWA is in negotiations with the U.S. Environmental Protection Agency (EPA) which could provide funding to BACWA, and additional passthrough funds for member agency subawards.

- In fiscal year 2027, BACWA will establish a new project of special benefit to pass through funds for Bay Area Air District Engineering Program Management support.

- In fiscal year 2028, BACWA plans to increase affiliate and associate annual dues as well as to increase BACWA's Regional Nutrient Compliance Support program surcharge.

Request for Information

This financial report is designed to provide viewers with a general overview of the Bay Area Clean Water Agencies' finances and demonstrate BACWA's accountability for the assets and liabilities it manages. If you have any questions about this report, or need additional information, please contact: the BACWA Treasurer, Phoebe Grow, PO Box 24055, MS 809, Oakland, California 94623.

BAY AREA CLEAN WATER AGENCIES
Statements of Net Position
June 30, 2026 and June 30, 2025

	2026	2025
ASSETS		
Cash and cash equivalents (Note 2)	$ 525,062	$ 952,713
Investments (Note 2)	2,609,302	2,501,890
Accounts receivable	-	201
Accrued interest receivable	24,764	26,614
Total assets	3,159,128	3,481,418
LIABILITIES		
Accounts payable	408,302	173,313
Total liabilities	408,302	173,313
NET POSITION (Note 1B)		
Unrestricted	2,750,826	3,308,105
Total net position	$ 2,750,826	$ 3,308,105

See accompanying notes to financial statements

BAY AREA CLEAN WATER AGENCIES
Statements of Revenue, Expense,
And Changes in Net Position
For Years Ended June 30, 2026 and June 30, 2025

	2026	2025
Operating income:		
Member contributions	$ 1,935,061	$ 2,022,354
Other receipts	1,972,118	1,814,305
Total operating revenue	3,907,179	3,836,659
Operating expense:		
Professional services	(4,133,964)	(3,519,311)
General and administrative	(507,868)	(516,592)
Total operating expense	(4,641,832)	(4,035,903)
Operating Income (loss)	(734,653)	(199,244)
Other nonoperating revenue:		
Interest income	177,374	227,286
Changes in net position	(557,279)	28,042
Total net position - beginning	3,308,105	3,280,063
Total net position - ending	$ 2,750,826	$ 3,308,105

See accompanying notes to financial statements

BAY AREA CLEAN WATER AGENCIES
Statements of Cash Flows
For Years Ended June 30, 2026 and June 30, 2025

	2026	2025
Cash flows from operating activities:		
Cash received from member contributions	$ 1,935,262	$ 2,023,952
Cash received from other receipts	1,972,118	1,814,305
Cash paid for supplies and services	(4,406,843)	(3,996,509)
Net cash provided (used) by operating activities	(499,463)	(158,252)
Cash flows provided by investing activities:		
Interest received on investments	179,224	226,617
Net increase (decrease) in cash and equivalents, and investments	(320,239)	68,365
Cash and equivalents, and investments at beginning of period	3,454,603	3,386,238
Cash and equivalents, and investments at end of period	$ 3,134,364	$ 3,454,603
Reconciliation of cash and cash equivalents, and investments to amounts reported on the statement of net position		
Cash and cash equivalents	$ 525,062	$ 952,713
Investments	2,609,302	2,501,890
Cash and equivalents, and investments at end of period	$ 3,134,364	$ 3,454,603
Reconciliation of net operating income (loss) to net cash provided (used) by operating activities:		
Operating income	$ (734,653)	$ (199,244)
Adjustments to reconcile operating loss to cash flows from operating activities:		
Changes in operating assets and liabilities:		
Accounts receivable and other receivables	201	1,598
Accounts payable	234,989	39,394
Net cash flow (used) by operating activities	$ (499,463)	$ (158,252)

See accompanying notes to financial statements

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

A. Description of Reporting Entity

The Bay Area Clean Water Agencies (BACWA) is a local government agency created by a joint powers agreement in 1984. Our membership includes local clean water agencies that provide sanitary sewer services to the more than seven million people living in the nine county San Francisco Bay Area. BACWA was founded, and continues, to assist agencies in carrying out mutually beneficial projects, and to facilitate the development of scientific, economic and other information about the San Francisco Bay environment and the agencies that work to protect it and public health.

BACWA is governed by a five-person Executive Board comprised of one representative from each of the joint powers agreement signatory agencies: Central Contra Costa Sanitary District, East Bay Dischargers Authority, East Bay Municipal Utility District, the City and County of San Francisco, and the City of San Jose. BACWA members contribute funds to cover operating expenses based on an annual work plan and budget, in accordance with sections 9 and 10 of BACWA's Joint Powers Agreement. There are thirteen associate members and forty-seven affiliate members that contribute a minimum of $10,079 and $2,018 annually, respectively.

BACWA has the following special programs in the fiscal year 2026. Each special program's revenues and expenses are tracked separately from BACWA's other revenues and expenses.

- *The Clean Bay Collaborative (CBC)* is a program to develop and fund regional projects that benefit participants. Revenues come from contributions from program participants and expenditures are determined by the BACWA principals.

- *Water/Wastewater Operator Training (WOT)* was a program formed with Solano County Community College to provide water operators with educational training to help them understand the standard environmental rules and regulations related to water and wastewater. Revenues are provided by participating agencies and expenditures determined by those agencies. BACWA continues its educational relationship with Solano Community College.

- *Bay Area Biosolids Coalition (BABC)* became a Special Benefits Program in fiscal year 2020, where the participants establish their budget and associated revenue needs. BABC is a regional collaboration between San Francisco Bay Area wastewater agencies that are working to develop sub-regional projects with a primary focus on beneficial use of biosolids.

- *Bay Area Chemical Consortium (BACC)* became a Special Benefits Program in fiscal year 2020. BACC is an administrative program governed by BACWA and supported by the BACWA ED and AED. BACC solicits chemical bid information from more than 60 member agencies, then arranges a group bid. BACC participant agencies are invoiced for BACWA labor and other expenses related to bid administration at the end of each fiscal year.

- *CASA Air Toxics (CASA Pooled Emission Study AB 617)* program established a statewide annual reporting of emissions data to improve understanding of sources contributing to adverse health risks or other impacts at local, regional, and statewide levels. The California Association of Sanitation Agencies (CASA) negotiated a phased compliance, such that wastewater utilities must perform a "two-step process" to determine shortlist of compounds and factors: 1. Scan air space of unit processes to determine detectable compounds; and 2. Quantify emissions of detectable compounds to determine potential risk. CASA is leading a pooled emissions study to comply with the regulation and has set the fees for participation. BACWA is collecting fees from its members who have opted into the program and is directly passing those fees through to CASA to support the pooled emissions study.

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

B. Basis of Accounting and Presentation

The accompanying financial statements report the financial position of BACWA in accordance with accounting standards generally accepted in the United States of America. As BACWA is exclusively comprised of governmental entities, the preparation of its financial statements is governed by the pronouncements of the Governmental Accounting Standards Board (GASB).

BACWA as a proprietary enterprise is accounted for on a flow of economic resources measurement focus using the accrual basis of accounting. Measurement focus refers to what is being measured; basis of accounting refers to when revenues and expenditures are recognized in the accounts and reported in the financial statements.

BACWA distinguishes *operating* revenues and expenses from *nonoperating* items. Operating revenues and expenses generally result from providing services and producing deliverable goods in connection with a proprietary fund's principal ongoing operations. Operating expenses for BACWA include the cost of sales and services and administrative expenses. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses.

Statement of Net Position – The statement of net position is designed to display the financial position of BACWA. BACWA's fund equity is reported as net position, which is the excess of all the agency's assets and deferred outflows over all its liabilities and deferred inflows. Net position is divided into three captions under GASB Statement 34. As of June 30, 2026 and 2025, BACWA reported the following classification of net position:

- *Unrestricted* describes the portion of Net Position which is not restricted to use.

Statement of Revenues, Expenses, and Changes in Net Position – The statement of revenues, expenses, and changes in net position is the operating statement for proprietary funds. Revenues are reported by major source. This statement distinguishes between operating and non-operating revenues and expenses and presents a separate subtotal for operating revenues, operating expenses, and operating income. When both restricted and unrestricted resources are available for use, it is BACWA's policy to use restricted resources first, then unrestricted resources as they are needed.

C. Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect certain reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

D. Cash and Cash Equivalents

BACWA considers all highly liquid investments with original maturities of three months or less when purchased to be cash equivalents.

E. Fair Value Measurements

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. BACWA categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The fair value hierarchy categorizes the inputs to valuation techniques used to measure fair value into three levels based on the extent to which inputs used in measuring fair value are observable in the market.

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

F. Allocation of Costs

In accordance with the adopted work plan and approved budget for the year ended June 30, 2026, all costs incurred by BACWA for general overhead and for programs with general benefit are shared by BACWA members consistent with the terms of the Joint Powers Agreement establishing the agency, between each of the original signatory members.

Costs incurred for programs of special benefit are allocated in direct proportion to the benefits received as approved by BACWA's Executive Board.

BACC, WOT and BABC have their own budgets, and their expenditures are funded from their own separate revenues. BACC maintains a legal reserve fund in which revenue is collected from its members and is held separately from other BACWA funds.

- Level 1 inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities.
- Level 2 inputs are inputs – other than quoted prices included within level 1 – that are observable for an asset or liability, either directly or indirectly.
- Level 3 inputs are unobservable inputs for an asset or liability.

If the fair value of an asset or liability is measured using inputs from more than one level of the fair value hierarchy, the measurement is considered to be based on the lowest priority level input that is significant to the entire measurement.

NOTE 2 - CASH AND INVESTMENTS

A. Composition

BACWA's cash and cash equivalents at June 30 consisted of the following deposits and investments held by EBMUD on the BACWA's behalf:

	2026	2025
Demand deposits with banks	$ 525,062	$ 952,713
Local Agency Investment Fund	2,609,302	2,501,890
Total cash and cash equivalents	$ 3,134,364	$ 3,454,603

B. Collateralization of Cash and Cash Equivalents

California Law requires banks and savings and loan institutions to pledge government securities with a market value of 110% of BACWA's cash on deposit or first trust deed mortgage notes with a value of 150% of BACWA's cash on deposit as collateral for these deposits. Under California Law this collateral is held in an investment pool by an independent financial institution in BACWA's name and places BACWA ahead of general creditors of the institution pledging the collateral. BACWA has waived collateral requirements for the portion of deposits covered by federal deposit insurance.

NOTE 2 - CASH AND INVESTMENTS (CONTINUED)

BACWA's investments are carried at fair value, as required by generally accepted accounting principles. BACWA adjusts the carrying value of its investments to reflect their fair value at each fiscal year end, and it includes the effects of these adjustments in income for that fiscal year.

C. Credit Risk

Credit risk is the risk that an issuer of an investment will not fulfill its obligation to the holder of the investment. This is measured by the assignment of a rating by a nationally recognized statistical rating organization. As an external investment pool, the Local Agency Investment Fund was not rated as of June 30, 2026 and 2025.

D. Fair Value Hierarchy

BACWA categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The hierarchy is based on the valuation inputs used to measure fair value of the assets. Level 1 inputs are quoted prices in an active market for identical assets; Level 2 inputs are significant other observable inputs; and Level 3 inputs are significant unobservable inputs. The California Local Agency Investment Fund is exempt from classification for fair value hierarchy.

E. Interest Rate Risk

Interest rate risk is the risk that changes in market interest rates will adversely affect the fair value of an investment. Normally, the longer the maturity of an investment, the greater the sensitivity of its fair value to changes in market interest rates. BACWA generally manages its interest rate risk by purchasing a combination of short-term and long-term investments and holding investments to maturity. BACWA's only investment is in the California Local Agency Investment Fund which can be withdrawn at any time usually within a day.

F. Local Agency Investment Fund (LAIF)

BACWA is a participant in the Local Agency Investment Fund (LAIF), which is regulated by California Government Code §16429 under the oversight of the Treasurer of the State of California. The value of the pool shares in LAIF is determined on an amortized cost basis, which is different from the fair value of its position in the pool. BACWA's investments with LAIF at June 30, 2026 and 2025 included a portion of the pool funds invested in Structured Notes and Asset-Backed Securities. These investments included the following:

- Structured Notes are debt securities (other than asset-backed securities) whose cash-flow characteristics (coupon rate, redemption amount, or stated maturity) depend upon one or more indices and/or that have embedded forwards or options.

- Asset-Backed Securities, the bulk of which are mortgage-backed securities, entitle their purchasers to receive a share of the cash flows from a pool of assets, such as principal and interest repayments from a pool of mortgages (such as Collateralized Mortgage Obligations) or credit card receivables.

As of June 30, 2026 and 2025, BACWA had investments of $2,609,302 and $2,501,890, respectively, invested in LAIF, which had invested 3.47% and 3.81% of the pooled investment funds in Structured Notes and Asset-Backed Securities.

NOTE 3 – RELATED PARTY TRANSACTION

As BACWA does not have any employees, EBMUD provides BACWA with ongoing treasury, accounting, and auditing pass-through costs, which are reimbursed by BACWA and the related organizations on no less than a quarterly basis. Total reimbursements for the year ended June 30, 2026 and 2025, were $45,302 and $41,605 respectively, and are primarily reflected in the general and administrative expenditures on the Statement of Revenues, Expenditures, and Changes in Net Position.

NOTE 4 – RISK MANAGEMENT

BACWA's liability and property risks are insured by commercial insurance carriers. Selected insurance coverage includes:

Coverage	Policy Limit
Bodily injury	$ 5,000,000
Property damage	5,000,000
Personal injury	5,000,000
Non-owned and hired automobile liability	5,000,000
Public officials, errors, and omissions	5,000,000
Fire damage liability	1,000,000
Employment practices liability	2,000,000
Security and privacy liability	10,000,000

Any liability BACWA may have for uninsured claims are limited to general liability claims. However, BACWA has experienced no losses from such claims during the preceding three years and it therefore believes there is no liability for claims incurred but not reported.

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INDEPENDENT AUDITOR'S REPORT ON
INTERNAL CONTROL OVER FINANCIAL REPORTING
AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN
AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE
WITH *GOVERNMENT AUDITING STANDARDS*

To the Board of Directors
Bay Area Clean Water Agencies
Oakland, California

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the basic financial statements of the Bay Area Clean Water Agencies (BACWA), as of and for the year ended June 30, 2026, and have issued our report thereon dated September 24, 2026.

Report on Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered BACWA's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of BACWA's internal control. Accordingly, we do not express an opinion on the effectiveness of BACWA's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of BACWA's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses or significant deficiencies may exist that were not identified.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether BACWA's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance that are required to be reported under *Government Auditing Standards*.

We have also issued a separate Memorandum on Internal Control dated September 24, 2026, which is an integral part of our audit and should be read in conjunction with this report.

Accounting Corporation
3478 Buskirk Avenue, Suite 217
Pleasant Hill, CA 94523

t 925.228.2800
e maze@mazeassociates.com
w mazeassociates.com

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of BACWA's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering BACWA's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Maze + Associates

Pleasant Hill, California
September 24, 2026

The California clean water community is working collaboratively with the California State Water Resources Control Board (SWRCB), the San Francisco Estuary Institute, and CDM Smith, to better understand statewide PFAS occurrence, loading, and potential sources to publicly owned treatment works (POTWs). To support these efforts, we have created this brief questionnaire to inventory local PFAS-related information. Providing responses will enable the CDM Smith team to:

- Estimate the level of effort required for data compilation and evaluation activities
- Understand the extent of PFAS monitoring since the SWRCB's 2020 Investigation
- Identify the types of PFAS data that are available and how they are maintained
- Evaluate the availability of supporting operational, flow, and industrial user information

For this survey, **utilities are not being asked to sample, collect, or submit PFAS analytical data.** Information provided through this questionnaire will be used solely for project planning purposes and to better understand the availability, format, and characteristics of PFAS-related information across California wastewater utilities.

All utility names and identities, as well as identities of industrial stakeholders providing data, will be anonymized. However, categories of industrial pretreatment programs stakeholders will be maintained to gain insight into industry-wide trends.

To complete the questionnaire, you may need access to information related to:

- Operational data and Industrial user or source control program information
- PFAS monitoring, analytical results, and data management / storage practices

Please note that POTWs with multiple treatment plants may elect to have each plant fill out their own form.

To respond, please follow this link to the Online Form: California POTW PFAS Questionnaire – Fill out form

1. Contact Information

Section 1. Contact Information			
Responsible Agency Information			
1a. Name of Responsible Agency:			
1b. Address of Responsible Agency:			
1c. City:			
POTW Information			
1d. Please list the names and locations of POTWs the Agency is responsible for. If multiple POTWs are filling out their own form, please indicate the relevant POTW(s).			
POTW(s) Name	**POTW(s) Address**	**WDID Number**	**Indicate Responding POTW**
			☐
			☐
			☐
			☐
			☐
			☐
			☐
			☐
			☐
			☐
			☐
Responding Point of Contact (POC) Information			
1e. POC Name:		1f. POC Title:	
1g. POC Phone Number:		1h. POC Email Address:	

2. Update of POTW Background Information (from 2020 SWRCB Survey)

Section 2. POTW/Treatment Plant Background Information	
2025 Annual Average Flow (365-Day Calendar Year)	
2a. Average Influent Flow (MGD):	2b. Average Dry Weather Flow (MGD):
Types of Wastewater Inflow and Volume	
2c. Does your facility have an industrial pretreatment program? ☐ Yes ☐ No	
2d. Estimated relative influent contribution for each wastewater type in 2025. % Residential: % Commercial: % Industrial:	
2e. Estimated 2025 influent flow contributions from known industrial sources. *If an industrial source is not listed, please provide industry types and estimated flow contribution information in the blank lines provided. If unknown, please indicate "Unknown." If a source is not applicable, enter "N/A."*	

Industry / Commercial Types (Influent Flow)	EPA #[1]	Unknown / N/A	Continuous Flow? (Y/N)	Periodic Flow? (Y/N)	Non-Routine Flow? (Y/N)	2025 – Estimated % Flow Contribution
Airports	N/A					
Concentrated Animal Feeding Operations (CAFO)	6					
Transportation Equipment Cleaning	34					
Breweries / Wineries	N/A					
Electrical and Electronic Components	8					
Metal Finishing	17					
Fire Training Centers	N/A					
Food Processing	N/A					
Industrial Laundries	N/A					
Landfills	N/A					

Section 2. POTW/Treatment Plant Background Information						
Leather Tanning and Finishing	16					
Military	N/A					
Oil and Gas Extraction	21					
Textiles / Carpet Finishing	N/A					
Pulp, Paper, and Paperboard	29					

[1]EPA #: EPA Categorical Industrial User Category. To assist with identifying industrial user types, refer to Attachment A, Summary of EPA Categorical Pretreatment Standards, which provides a list of EPA categorical industrial categories and corresponding 40 CFR Part numbers. Use the category that best corresponds to the industrial users contributing flow to your POTW

3. PFAS Sampling Efforts and Available Data

Section 3. PFAS Sampling Efforts and Available Data
POTW Sampling Efforts
3a. Has your facility conducted any PFAS sampling beyond the sampling performed in response to the 2020 State Water Resources Control Board (SWRCB) PFAS Investigation Orders?
3b. If yes, what prompted the PFAS sampling effort? (e.g. outside study, internal/informal research, etc.)
3c. Please provide information on the matrices sampled as part of your efforts in the table below.

Matrices	Lab Used	Analytical Method	Estimated Number of Samples Collected	Sampling Event(s) Date Range
Influent				
Effluent				
Biosolids / Sludge				

Section 3. PFAS Sampling Efforts and Available Data				
Industrial Dischargers				
Commercial Dischargers (Office Building, Hospitals, Mixed-use, Etc.) Please Fill in Below.				
Other Sources: Please Fill in Below.				

POTW PFAS Data Format and Volume

3d. In which formats are available post-SWRCB Order PFAS monitoring data maintained? (Select all that apply.)

☐ Structured Electronic Data Files (CSV, XML, EDD, Etc.)

☐ Laboratory Analytical Report (PDF)

☐ Technical Reports (Studies, Technical Memoranda, Etc.)

☐ Laboratory Information Management System (LIMS)

☐ GeoTracker Submissions

☐ Internal Database / Tracker (SQL, Excel, Historian)

☐ CIWQS

☐ Other, Please Describe:

3e. Please estimate the total number of sampling events and associated PFAS analytical results available for the study. (where 1 = a single data set from a single sampling effort)

☐ ≤ 10 ☐ > 10 - ≤ 50 ☐ > 50 - ≤ 100 ☐ > 100 - ≤ 200 ☐ > 200 Results

Section 3. PFAS Sampling Efforts and Available Data
☐ Unknown, Please Explain:
3f. Please identify and explain any interdependencies your PFAS data may have with other plants operating under your POTW.
3g. Please list any current or future PFAS studies / initiatives that should be considered as part of this study.
3h. Would you be willing to participate in future discussions and/or follow-up requests related to this study? ***Please note that CDM Smith will not share or report identifiable individual POTW, Agency, and/or Industrial Stakeholder data without the data provider's permission.*** ☐ Yes ☐ No

4. Additional Information

Additional Comments, Concerns, or Feedback.
4a. Please provide any additional comments, concerns, and/or feedback related to this questionnaire /study below.

From:	Adams, Veronica
To:	Lorien Fono; Jennifer Dyment; matt.houck@ebmud.com
Cc:	Ohlhaver, Jayme
Subject:	re: W9-97T60301-0- BACWA - Notification of Award
Date:	Friday, November 6, 2026 7:02:22 AM
Attachments:	W9-97T60301-0-BACWA- Award-103026.pdf

U.S. EPA Notification of Grant Award/Amendment

Attached is your Assistance Agreement from the U.S. Environmental Protection Agency, Region 9. Please review the entire document, including the terms and conditions and applicable regulations, which set forth your legal responsibilities to the EPA. Refer also to **https://www.epa.gov/grants/grant-terms-and-conditions** for general terms and conditions applicable to this award action regarding federal grant requirements.

Should you disagree with the terms and conditions or do not wish to accept EPA funding, your authorized representative must send a notice of disagreement to the EPA award official within 21 days of the award mailing date via Region 9's dedicated email address, GrantsRegion9@epa.gov.

Noteworthy Items:

Additional information is included under the "Notice of Award" section on page 1 of the award. We recommend you forward the award document to your Project Manager, Financial Officer and any other personnel in your organization requiring information about the award. If you or your staff have any questions of a programmatic nature, please contact your EPA Project Officer. Questions relating to administrative or fiscal matters, including Conflict of Interest (COI) disclosures per term and condition of the award, must be directed to your EPA Grants Specialist (you can find more information at https://www.epa.gov/grants/rain-2018-g03-r2). Region 9's Grants Branch is responsible for determining whether the recipient has effectively resolved any COI disclosures made by the recipient. The EPA Project Officer and Grants Specialist contact information are shown on page 1 of the award.

Grant Payment Information:

Beginning in April 2020, EPA's Finance Center is moving to Research Triangle Park Finance Center (RTPFC). For information regarding payments and financial reports, please refer to the following website at **https://www.epa.gov/financial/grants**. Additionally, the RTP Finance Center's email address is rtpfc-grants@epa.gov. Please remember that when drawing funds in advance, you may only request the amount required for immediate cash needs. Once funds arrive at your bank account, your checks should be written and disbursed within 5 days.

Grant Recipient Reference and Training Information:

You may also access additional EPA grant related information at https://www.epa.gov/grants, which includes a helpful training entitled "EPA Grants Management Training for Applicants and Recipients," to help you manage your grant.

Best regards,

Veronica Adams
Grants Management Specialist
U.S. EPA Region IX
Grants Management Office, MSD-6
75 Hawthorne Street
San Francisco, CA 94105
(415) 972-3677

inorganic nitrogen loads. Table 5, below, includes specific milestones that must also be completed. Early Actors defined by Provision 6.3.6 shall instead provide annual status updates on project implementation.

Table 5. Compliance Schedule Milestones

Milestone	Compliance Date
Identify Compliance Alternatives. Dischargers shall identify preliminary alternatives for meeting the final effluent limitations in Table 4. This may include traditional treatment infrastructure, optimization, nature-based solutions, recycled water, trading, or a combination thereof. The submittal shall note whether the identified alternatives require pilot projects. If a Discharger has already identified a compliance pathway (selected alternative or combination of alternatives), the Discharger shall instead describe the compliance pathway, begin implementation, and provide a status update.	April 1, 2025
Perform Alternatives Analysis. Dischargers shall evaluate the compliance alternatives and identify which alternative or combination of alternatives (i.e., compliance pathway) best achieves compliance with the final effluent limitations in Table 4. If a Discharger has already identified a compliance pathway, the Discharger shall provide a status update regarding implementation. If a Discharger plans to meet the final effluent limits in Table 4 solely or in part through treatment optimization, it shall include a schedule to complete the optimization portion of the work no later than May 1, 2028, and begin implementation in accordance with its schedule.	April 1, 2026
Submit Compliance Plan. Dischargers shall describe proposed improvements and provide an implementation schedule for major milestones for the compliance pathway identified above, including a schedule for design and construction of improvements. If a Discharger chooses to implement a Multi-Benefit Solution consistent with Provision 6.3.5, it shall submit a governance plan that documents partnerships and a memorandum of understanding or agreement among parties to implement nature-based solutions (e.g., land ownership and funding partnerships) or wastewater recycling (e.g., agreement between wastewater agencies, water purification entity, water contractors).	April 1, 2027 [1]
Submit Design Progress Report. If a Discharger intends to implement a capital project, such as sidestream, split-stream, or full-scale treatment, to comply with the final effluent limits in Table 4, it shall provide project details for each capital project, including a project description, estimated nutrient removal from the project, evidence that the planned improvements have moved into the design stage, the percent completion of the design, an updated implementation schedule, estimated capital costs, a financial assessment, and a funding strategy.	April 1, 2028 [1]
Submit Design Progress Report and Compliance Update. Dischargers shall summarize their progress toward meeting the final effluent limits in Table 4 and provide a status update regarding	April 1, 2029 [1]

implementation of their compliance pathway and an updated implementation schedule. If a Discharger is implementing a capital project, it shall provide a status update on its progress from the previous year, including, at minimum, the percent completion of the design, the status of contract documents used to bid projects, and an updated implementation schedule for the capital project.	

Footnote:

[1] The compliance date for this task shall be extended by one year if a Discharger experiences significant delays related to (1) the need to conduct pilot studies prior to design, (2) unsuccessful pilot studies that cause the Discharger to change course, (3) the need to develop agreements to pursue water recycling or nature-based solutions, (4) legal challenges, or (5) engineering challenges that are beyond the Discharger's control. The Discharger shall notify the Executive Officer at least 90 days before the deadline and provide documentation that it satisfies one of the conditions for an extension above.

6.3.3.2. Summary of changes to the project plans and design and construction schedules listed in the previous year's update and rationale for the changes along with any additional plans for nitrogen reductions if current planned projects will not achieve the final effluent limits in Table 4.

6.3.3.3. Notification of the Discharger's compliance or noncompliance with this provision.

6.3.4. **Regional Planning to Reduce Total Inorganic Nitrogen Loads.** The Dischargers listed in Table 4 and designated as "major" in Table 1 shall, individually or in collaboration with other regional stakeholders, develop a report that describes regionwide planning efforts to meet the final effluent limitations required by the end of the compliance schedule established through this permit. The report will complement individual reporting required by Provision 6.3.3 and provide a regionwide perspective toward ensuring compliance is achieved as soon as possible. The report shall include the following:

a. Regional schedule that lays out the phasing of identified future projects;

b. Identification of anticipated capital, operation, and maintenance costs of proposed projects, to the extent feasible for the level of planning;

c. Description of anticipated financing alternatives and impacts on agency rates (i.e., the cost to the community) associated with the identified projects;

d. Assessment of the impact of the proposed projects on other regulations or requirements (e.g., air and biosolids regulations);

e. Identification of nutrient reduction projects that would occur beyond the compliance schedule established in Provision 6.3.3 (with a focus on recycled water and nature-based solution projects) with the potential to reduce baywide total inorganic nitrogen load to below 22,000 kg/day and below 17,600 kg/day (50 percent and 60 percent reduction from 2022 total inorganic nitrogen load); and

From: Cecchetti, Aidan@Waterboards <Aidan.Cecchetti@Waterboards.ca.gov>
Sent: Thursday, November 5, 2026 3:49 PM
To: Jacqueline Zipkin <JZipkin@ebda.org>; O'Connor, Kerry@Waterboards <Kerry.OConnor@Waterboards.ca.gov>
Cc: Kristy Fournier <fournier@dsrsd.com>; Graham Prentice <graham.prentice@sfestuary.org>; Cousins, Mary@Waterboards <Mary.Cousins@Waterboards.ca.gov>
Subject: RE: Expectations for governance plan extension

Hi Jackie,

Thank you for checking in about this. I have included a description below about what we are thinking in terms of the notifications and documentation required by Footnote 1 for an extension of the deadlines in Table 5. I don't think a meeting is necessary to discuss this unless anything below is unclear.

Footnote 1 requires notification of the need for an extension to be submitted to the Water Board at least 90 days before the associated deadline. An email submitted to us before January 1, 2027, should be sufficient to satisfy this requirement. The email should:

(1) document a Discharger's intent to pursue water recycling or nature-based solutions,

(2) state that the Discharger needs more time to develop agreements for those projects, and

(3) describe (briefly) the elements of the governance plan that are under development.

The supporting documentation for the extension described in Footnote 1 should be submitted with the Group Annual Report due April 1, 2027, in the section that addresses the requirements of Provision 6.3.3 (Compliance Schedules Milestones and Progress Reporting). The documentation should include a more complete description of the governance plan(s) under development. We plan to provide more guidance on compliance reporting for the April 2027 GAR in the near future.

Best regards,

Aidan Cecchetti, Ph.D., P.E.
Senior Water Resource Control Engineer

NPDES Wastewater Division | Individual Permits

San Francisco Bay Regional Water Quality Control Board

Email: Aidan.Cecchetti@Waterboards.ca.gov
Phone: (510) 620-3457

Pronouns: he/him/his

1515 Clay Street, Suite 1400, Oakland CA
Website: www.waterboards.ca.gov

From: Jacqueline Zipkin <JZipkin@ebda.org>
Sent: Wednesday, November 4, 2026 10:11 AM
To: Cecchetti, Aidan@Waterboards <Aidan.Cecchetti@Waterboards.ca.gov>; O'Connor, Kerry@Waterboards <Kerry.OConnor@Waterboards.ca.gov>
Cc: Kristy Fournier <fournier@dsrsd.com>; Graham Prentice <graham.prentice@sfestuary.org>
Subject: Expectations for governance plan extension

Caution: External Email. Use caution when clicking links or opening attachments. When in doubt, contact DIT or use the Phish Alert Button.

Hi Kerry and Aidan,

As you know, EBDA and our members have been working on several multi-agency, multi-benefit nutrient reduction projects – most notably the First Mile Horizontal Levee and DSRSD's recycled water expansion. The Watershed Permit includes the following Compliance Schedule Milestone requirement by April 1, 2027:

If a Discharger chooses to implement a Multi-Benefit Solution consistent with Provision 6.3.5, it shall submit a governance plan that documents partnerships and a memorandum of understanding or agreement among parties to implement nature-based solutions (e.g., land ownership and

funding partnerships) or wastewater recycling (e.g., agreement between wastewater agencies, water purification entity, water contractors).

This requirement also includes the following footnote:

The compliance date for this task shall be extended by one year if a Discharger experiences significant delays related to (1) the need to conduct pilot studies prior to design, (2) unsuccessful pilot studies that cause the Discharger to change course, (3) the need to develop agreements to pursue water recycling or nature-based solutions, (4) legal challenges, or (5) engineering challenges that are beyond the Discharger's control. The Discharger shall notify the Executive Officer at least 90 days before the deadline and provide documentation that it satisfies one of the conditions for an extension above.

As we approach 90 days before the deadline, I am interested to understand what documentation Water Board staff would expect to see to justify the one-year extension. Would a letter outlining the parties involved and the status of discussions suffice?

A call to talk through this might be helpful. If you are open to that, please let me know some times that would work and anyone else that should be included.

Thank you!
Jackie

Jackie Zipkin, P.E. | General Manager

jzipkin@ebda.org | www.ebda.org | m: (510) 206-3820 | o: (510) 278-5910



Heterosigma akashiwo toxicity: findings and candidate studies

SFEI
SAN FRANCISCO ESTUARY INSTITUTE

October 16, 2026

Katie Harding and Ian Wren

Purpose of this item

- Informational today; no approval requested
- Memo (Wren and Harding, Sept 2026) builds on the April 2026 Expert Panel Report
- Ask: feedback, and support to reconvene the HAB expert group
- Expert group refines the project list and costs this winter
- February 2027: Committee approval of a project suite

SFEI

How this informs FLHAB.X

- FY27 Program Plan consolidated FLHAB.4, .6, and .8 into FLHAB.X: a $275K conditional placeholder for HAB lethality and related scopes
- Funds are not committed; the Plan reserves the decision for this Committee
- Fall 2026 HAB expert workgroup is funded under FLHAB.3 with FY26 funds
- FY27 placeholder covers the first phase; later phases need FY28 Plan decisions

SFEI

What 2022 told us

SFEI

The 2022 bloom

- Mid-July start near Alameda; more than 4,500 km^2 by late August
- Chlorophyll-a peaked at 530 µg/L on August 25
- One cell count on record: 10^4 cells/mL on August 10
- Nitrogen fell below 1–2 µM; bloom grew on incoming loads
- Collapsed in two to three days; viral lysis is the leading hypothesis

SFEI

Mortality before the DO crash

Fish kills (Hobbs et al. 2026)

- More than 7,900 organisms, 25 families
- 79 percent benthic or demersal
- Reports surged August 22; half logged by August 28
- No fresh specimens or necropsies

Oxygen (Senn et al. 2026)

- DO increased to 10–12 mg/L at the moorings August 20–27
- No decline until the crash, August 29–31
- Then minima below 2–4 mg/L for days
- Hypoxia mattered after the crash

SFEI

Sturgeon mortality

- 691 carcasses: 200 white, 16 green, 475 unidentified (Hobbs et al. 2026)
- Most were spawning-age fish, 10 to 15 years old
- About 30 percent of accessible shoreline surveyed; 691 is a floor
- Hobbs heuristic: thousands, possibly more than 20,000
- Over half of reproductive-age white sturgeon were in the bloom area (Walter et al. 2026)
- No other bloom is known to have killed sturgeon - now protected under state ESA

SFEI

What the science says

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No agreed toxic mechanism

Four hypotheses

- Reactive oxygen species
- Brevetoxin-like neurotoxins
- Hemolytic compounds and fatty acids
- Mucus and physical gill damage

Where the evidence stands

- ROS: too low to kill alone
- Brevetoxin: unconfirmed; PbTx-like signals in Bay isolates (prelim.) and in Bay water during bloom
- Hemolysis: potential, maybe secondary
- Mucus: no field gill pathology

SFEI

Patterns from literature

- Harm appears to require contact with cells or lysed cells; filtrate is less toxic
- Growing cells are less toxic; toxicity builds once growth stops (this may be strain dependent)
- Nutrient-starved, sinking and possibly leaky cells seem to have the highest toxicity
- Cell density alone is a poor predictor of harm
- Unit-based toxicity is unmeasured for Bay isolates

SFEI

Hypothesis for why bottom-dwellers died

- Exposure: older white sturgeon use the areas the bloom covered
- *H. akashiwo* descends toward the bottom at night
- Unfavorable conditions cause cells to sink, and sinking cells were more toxic
- Nutrient limitation may increase toxicity: Nitrogen was near zero on August 25 as carcass reports accelerated
- A hypothesis, not a finding: no depth-resolved counts or bottom toxicity data exist

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Candidate studies

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Expert panel recommendations

Laboratory

- Characterize isolates
- Salinity × temperature × light design
- Stain for cell permeability measurements
- Lysed, late-stationary cells per panel protocol
- RTgill-W1 gill-cell assay on Bay isolates

Field and whole-fish

- cysts; map seed beds
- Whole-fish bioassays after isolate toxicity is better understood
- Pacific EcoRisk to run the fish bioassay

SFEI

Sequence and cost figures

- FY27–FY28: laboratory characterization of Bay isolates
  - Characterization, fractions, ROS, hemolysis, brevetoxin, Gill-cell assay
  - About $300,000 decision for FY27
- FY28–FY30: whole-organism toxicity tests, after characterization
  - Test species first, then hatchery sturgeon with CDFW
  - $80,000–$150,000 (Pacific EcoRisk, April 2025)
- FY28 onward: cyst survey, field screening; no budget yet

SFEI

Questions for the experts

- Additional variables for the toxicity characterization/gill cell assay?
- How to express dose: cells, biomass, or toxin per cell
- Whether the brevetoxin finding changes priorities
- Feasibility of a hatchery sturgeon exposure
- Inform bloom-response monitoring for the next bloom: specimens, depth counts, bottom DO

SFEI

Next Steps

- October: Steering Committee feedback
- November–December: reconvene the HAB expert group
  - Refine project list, sequencing, and costs
  - Identify partners, facilities, and permitting needs
- January: Planning Subcommittee feedback & share final recommendations to Steering Committee
- February 2027: Steering Committee approval of the project suite

SFEI

Discussion

SFEI

Summary of September 2026 memo "*Heterosigma akashiwo* toxicity: state of knowledge and candidate studies for the Nutrient Management Strategy" by Ian Wren and Katie Harding, SFEI

Summary prepared by: Joe Dillon, Earth Friendly Sustainability Services

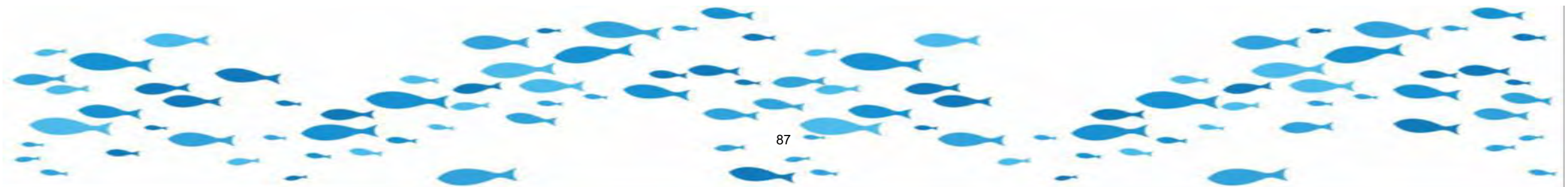
- Builds on the April 2026 report "On *Heterosigma akashiwo* and the San Francisco Bay fish kills" presented at early June 2026 BACWA meeting.
- Contains a proposal that will be brought forward for funding consideration at the next Nutrient Management Strategy Steering Committee (NMS SC) meeting in February 2027.



Summary of September 2026 memo "*Heterosigma akashiwo* toxicity: state of knowledge and candidate studies for the Nutrient Management Strategy" by Ian Wren and Katie Harding, SFEI

The memo notes that, "Overall, toxicity likely results from a combination of factors, with compounds of interest shifting depending on bloom stage, environment and cell density." These factors include:

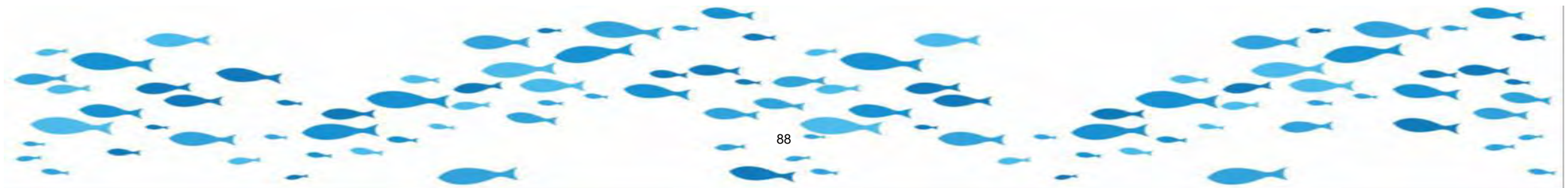
- the production/presence of reactive oxygen species (ROS, *i.e.* superoxide radicals ($\cdot O_2^-$), hydrogen peroxide (H_2O_2)),
- supersaturated dissolved oxygen (D.O.) conditions followed by a D.O. crash to hypoxic (approaching anoxic) conditions,
- the likely presence of hemolytic compounds (such as polyunsaturated acids) that rupture red blood cells,
- mucus produced by the algal bloom further affecting fish gills, and
- the potential presence of brevetoxins and/or brevetoxin-like compounds.



Summary of September 2026 memo "*Heterosigma akashiwo* toxicity: state of knowledge and candidate studies for the Nutrient Management Strategy" by Ian Wren and Katie Harding, SFEI

Why isn't current knowledge generated by the NMS (nutrient and chlorophyll-a levels, algal cell densities) sufficient to establish the toxic effect level?

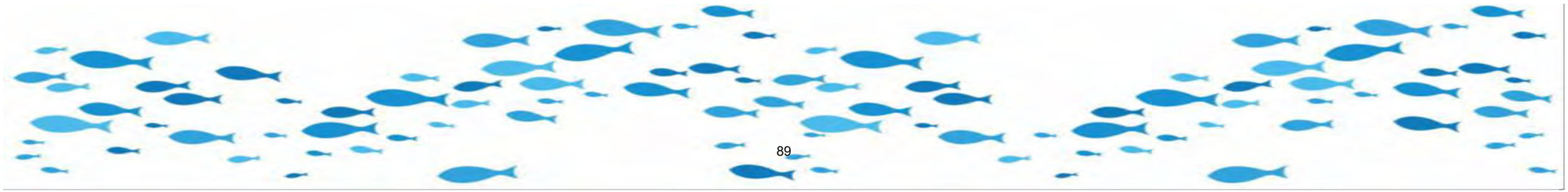
- Nitrogen levels need to be very high to trigger acute poisoning or death in sensitive fish species (nitrate levels of 300 parts per million and above. Ammonia rapidly converts to nitrate in the presence of oxygen.)
- Chlorophyll-a levels are a measurement that incorporates all potential sources – phytoplankton species (i.e. diatoms, dinoflagellates, benign and harmful algal species), cyanobacteria (blue-green algae), sea weeds and sea grasses, etc., and chlorophyll-a is not toxic in and of itself.
- Algal cell density – this is a little more complex
    - Recent research of *H. akashiwo* (and *microcystis* species) shows that toxin production levels are highly variable based on environmental conditions (e.g. temperature, salinity, micronutrient status) and cell age.
    - In general, older cells and stressed cells produce and exude more toxin, and when the cells lyse (burst) they release the toxins all at once.
    - Therefore, cell density only provides a snapshot in time that may or may not capture toxic conditions or the threshold of toxicity.



Summary of September 2026 memo "*Heterosigma akashiwo* toxicity: state of knowledge and candidate studies for the Nutrient Management Strategy" by Ian Wren and Katie Harding, SFEI

The memo also notes that UC Santa Cruz researcher Dr. Raphael Kudela reports "work on reactive oxygen species and brevetoxin-like activity of the 2022 strain is underway.", and "compounds matching brevetoxins PbTx-2 and PbTx-3 were both produced in the SF Bay 2022 and 2023 cultures at significant levels, and the same compounds were present in water samples during the August 2022 bloom."

This work could be influential to the future direction and final planning of the proposed projects being discussed today.



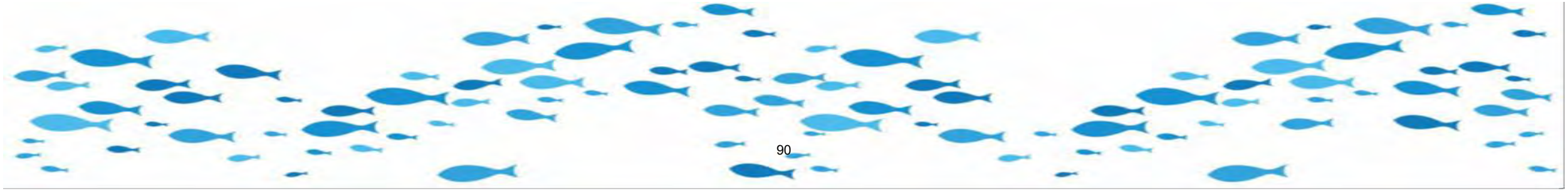
Summary of September 2026 memo "*Heterosigma akashiwo* toxicity: state of knowledge and candidate studies for the Nutrient Management Strategy" by Ian Wren and Katie Harding, SFEI

Three projects proposed over the FY 2027-2030 time period:

1. Rainbow Trout Gill-Cell Assays (RT gill-W1 gill cell line) - $300,000 in FY2027
- Flourescence assay that uses an immortal cell line to assess gill cell viability following exposure to algal samples
- Has been used to test a wide range of environmental contaminants

2. Whole fish bioassays - $80,000 - $150,000 over FYs 2028-2030
- Inland silversides and topsmelt are available, standard testing species for acute and chronic tests (respectively).
- Proposed to test white sturgeon.
- The Regional Board wants LC10, LC20 and LC50 numbers

3. Cysts and Seed bank detection and sampling – unknown funding level, FY2028 and beyond
- Boat work, staff time, etc. (Will not discuss further today)



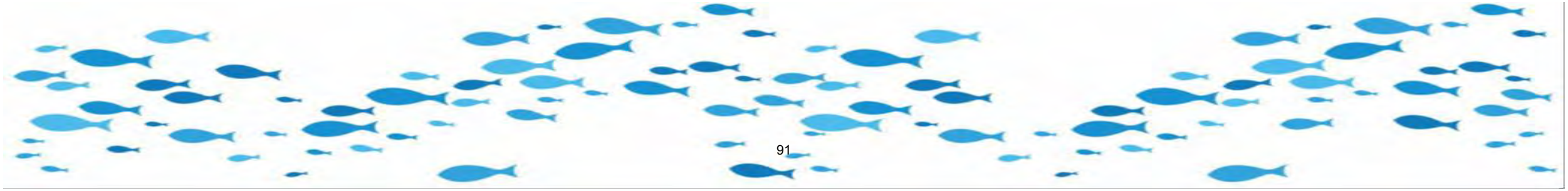
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Rainbow Trout Gill-Cell Assays (RT gill-W1 gill cell line) - $300,000 in FY2027

- The purpose of this work is to identify the environmental conditions that dictate toxicity levels.
- The experimental design will include various algal cell densities, including older and lysed algal cells, tested over varying salinity-temperature-light level combinations.
- Toxicity will be defined to equal the biomass times the toxin/cell.
- The results would feed into the estuary model and the results will also be used in a four-factor analysis to predict toxicity across various combinations not tested directly.
- SYTOX green-dye based cell-permeability measurement is also proposed to determine if this technique can be a good surrogate to the preferred technique.

Potential weakness of this approach –

- The result will define toxicity = toxin/cell. How are they measuring the toxins given that there may be/likely are unknown brevetoxin-like compounds produced by the *H. akashiwo* cells? Cell density itself is noted as a poor indicator of toxicity (Senn et al., 2026).



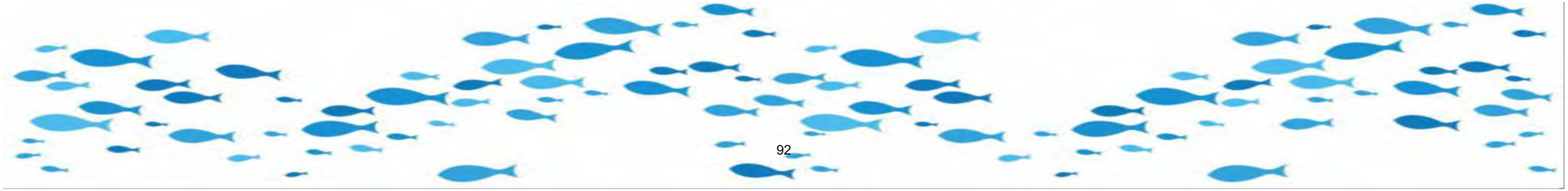
Summary of September 2026 memo "*Heterosigma akashiwo* toxicity: state of knowledge and candidate studies for the Nutrient Management Strategy" by Ian Wren and Katie Harding, SFEI

Whole fish bioassays - $80,000 - $150,000 over FYs 2028-2030

- Tests are meant to validate the results of the RT gill-cell assays in support of the Regional Board establishing LCx - based criteria. (LCx means lethal concentration to X% of test organisms.)
- Dr. Kudela will prepare the cells/dose and Pacific EcoRisk will do the testing.
- Three fish species are proposed for testing - inland silversides, topsmelt, and white sturgeon if available.
- White sturgeon will likely have to be procured from captive stock and may need agency (CDFW) permitting.
- The Regional Board wants LC10, LC20 and LC50 numbers produced over 5-to-10 day exposures (3-5 replicates at 10 fish/tank) with the dose expressed as a chlorophyll-a or biovolume (cells/mL) metric matched to 2022 levels.

Potential weaknesses of this approach –

- Expressing the LC-x outside of a lab setting as a biovolume or chlorophyll-a concentration implies toxicity but is not a direct measurement. Those measurements are better for indicating biostimulation.
- Testing white sturgeon may trigger a permitting requirement, and associated expenses, through CDFW.



Summary of September 2026 memo "*Heterosigma akashiwo* toxicity: state of knowledge and candidate studies for the Nutrient Management Strategy" by Ian Wren and Katie Harding, SFEI

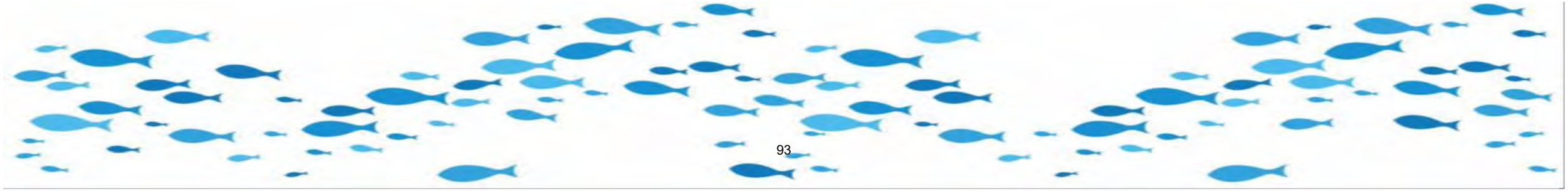
Questions regarding the proposed project:

- Is this work necessary? The narrative standard restricting the discharge of biostimulatory substances in biostimulatory amounts is sufficient to justify the general permit. Parsing out if/how much of the fish kill was caused by toxins, or ROS, or D.O. conditions not strictly necessary. Identifying new brevetoxin-like compounds seems academic (although interesting). Would only address *H. akashiwo* based toxicity and is not applicable to other potential HAB species.

- Given that cell density itself is noted as a poor indicator of toxicity (Senn et al., 2026), will the biovolume or chlorophyll-a based expressions of toxicity be reliable indicators?

- Could the $380,000 - $450,000 requested for this project be put to another use in FYs 2028-2030? SFEI and/or BACWA could identify other efforts or equipment needs related to analysis or management actions that would benefit from the investment. (Does SFEI have the capacity to handle more workload?)

- Is some of the proposed work already being conducted by Dr. Kudela at UC Santa Cruz?

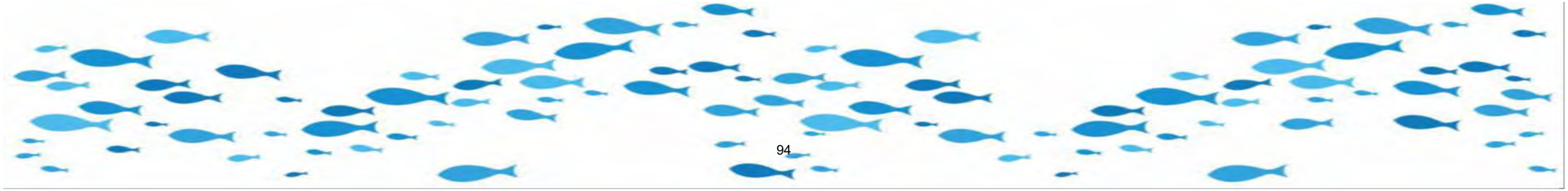


Summary of September 2026 memo "*Heterosigma akashiwo* toxicity: state of knowledge and candidate studies for the Nutrient Management Strategy" by Ian Wren and Katie Harding, SFEI

Recommendations:

- Work with SFEI NMS personnel to try and get the latest information from Dr. Kudela daylighted as soon as possible. If this cannot/will not happen before the February 2027 NMS SC meeting, delay consideration of funding this item until the latest information can be considered. Work with the Regional Board to assure EPA and other interested groups that this delay is well founded and in the best interest of developing usable information to prevent further HABs (including beyond just *H. akashiwo*).

- If this funding has to get committed before the start of FY2028, have a BACWA favored alternative ready to present. It should be feasible to delay starting the RT gill-cell line assay until FY2028 and the whole fish bioassay work could be condensed into 2 years (FYs 2029-2030) if the latest information strengthens the argument to do this work. The use of white sturgeon may require a longer regulatory permitting process than anticipated in any case.



Summary of September 2026 memo "*Heterosigma akashiwo* toxicity: state of knowledge and candidate studies for the Nutrient Management Strategy" by Ian Wren and Katie Harding, SFEI

Summary prepared by: Joe Dillon, Earth Friendly Sustainability Services

General Information

The examined document builds on the April 2026 report "On *Heterosigma akashiwo* and the San Francisco Bay fish kills" that I reported on at the early June 2026 BACWA meeting. It contains a proposal that will be brought forward for funding consideration at the next Nutrient Management Strategy Steering Committee (NMS SC) meeting in February 2027. It is expected to be further updated and refined in the meantime.

The memo notes that, "Overall, toxicity likely results from a combination of factors, with compounds of interest shifting depending on bloom stage, environment and cell density." These factors include the production/presence of reactive oxygen species (ROS), supersaturated dissolved oxygen conditions followed by a dissolved oxygen crash to hypoxic (approaching anoxic) conditions, the likely presence of hemolytic compounds (such as polyunsaturated acids) that rupture red blood cells, mucus produced by the algal bloom further affecting fish gills and the potential presence of brevetoxins and/or brevetoxin-like compounds.

Two potential lines of study are proposed to determine potential sources and levels of toxicity (*i.e* identify toxins and effect levels) from the 2022 and 2023 *H. akashiwo* algal bloom strain are proposed. A third project is proposed to identify potential locations of cyst and seed banks that may be important to bloom initiation, but it is not well defined at this time.

The memo also notes that UC Santa Cruz researcher Dr. Raphael Kudela reports "work on reactive oxygen species and brevetoxin-like activity of the 2022 strain is underway.", and "compounds matching brevetoxins PbTx-2 and PbTx-3 were both produced in the SF Bay 2022 and 2023 cultures at significant levels, and the same compounds were present in water samples during the August 2022 bloom." Finding out where Dr. Kudela is in his efforts was mentioned at the NMS SC meeting as an important task for determining the final proposal planning. Ultimately, the Regional Water Quality Control Board (Regional Board) wants LC10, LC20 and LC50 numbers determined for the toxins found to use in their programs.

Proposed studies

Rainbow Trout Gill-Cell Assays (RT gill-W1 gill cell line) - $300,000 in FY2027

The purpose of this work is to identify the environmental conditions that dictate toxicity levels. The experimental design will include various algal cell densities, including older and lysed algal cells, tested over varying salinity-temperature-light level combinations. Toxicity will be defined to equal the biomass times the toxin/cell. The results would feed into the estuary model and the results will also be used in a four-factor analysis to predict toxicity across various combinations not tested directly. SYTOX green-dye based cell-permeability measurement is also proposed to determine if this technique can be a good surrogate to the preferred technique.

Whole fish bioassays - $80,000 - $150,000 over FYs 2028-2030
These tests are meant to validate the results of the RT gill-cell assays in support of the Regional Board establishing LCx -based criteria. Dr. Kudela will prepare the cells/dose and Pacific EcoRisk will do the testing. Three fish species are proposed for testing. Inland silversides and topsmelt are readily available, standard testing species. It is also proposed to test white sturgeon but these fish will likely have to be procured from captive stock and may need agency (CDFW) permitting. It is unknown if this will be possible and may be why the proposed cost is so variable. The Regional Board wants LC10, LC20 and LC50 numbers produced over 5-to-10 day exposures (3-5 replicates at 10 fish/tank) with the dose expressed as a Chlorophyll-a or biovolume (cells/mL) metric matched to 2022 levels.

Cysts and Seed bank detection and sampling – unknown funding level, FY2028 and beyond
This proposal is relatively undefined at this time. It is proposed to sample likely locations to determine if inoculum is present and where it may be (tidal wetlands, sediments in Seaplane Lagoon or other poorly flushed areas, etc.). The hypothesis is that seed stocks of *H. akashiwo* must be present somewhere to cause a bloom at the size and speed of 2022.

Questions about or weaknesses of the proposal

Is this work necessary? I maintain it is not. The narrative standard restricting the discharge of biostimulatory substances in biostimulatory amounts is sufficient to justify the general permit. While it is important to understand what happened in 2022 to cause the bloom and associated fish kill, that knowledge now exists and is being used to explore ways of preventing a reoccurrence. Parsing out if/how much of the fish kill was caused by toxins, or ROS, or dissolved oxygen conditions is unnecessary. Funding research to identify new brevetoxin-like compounds seems academic and could require a larger expenditure depending on the analytical chemistry needed to conduct that type of work.

Could the $380,000 - $450,000 requested for this project be put to another use in FYs 2028-2030? Possibly. SFEI could identify other efforts or equipment needs related to analysis or management actions that would benefit from the investment. BACWA could weigh in on this as well. However, I heard from individuals after the meeting that SFEI is running at near capacity with its current projects and that recent hiring efforts have been time consuming and difficult to recruit into the expensive Bay area. There is an attractiveness to farming out some NMS work right now, particularly with limited time funding streams. Building partner capacity and relationships, and possible prestige by solving the brevetoxin-like mystery of *H. akashiwo* may yield benefits in other ways and into the future.

Given that the brevetoxin-like compounds attributed to *H. akashiwo* in the literature are unknown at this time, it is questionable if they can be detected and their concentrations determined. It is unclear if these compounds could be preserved for analysis if “unknown toxicity” is found. Dr. Kudela’s work could be changing, or confirming, this dynamic.

Operations and Maintenance Infoshare Group
Report to BACWA Board

Committee meeting on 07/09/2026
Executive Board Meeting Date: 08/21/2026
Committee Chair: Yanming Zhang (City of Livermore) and Ben Carver (Fairfield-Suisun Sewer District)

Committee Request for Board Action: None

In-person meeting at the City of San Mateo Wastewater Treatment Plant, with 17 attendees representing 10 member agencies.

Plant Tour at City of San Mateo

Overview of the City's clean water program followed by plant tour in two groups. Highlights: $600M for plant upgrade, Bioactiflo (Veolia) for excess wet flow treatment, MLE/MBR with swing zones for nitrogen removal (compatible with future P removal), perforated plate primary and fine screens, downward opening foam trapping, CMMS (Accruent Maintenance Connection) using QR code to scan and get info from tablets, gray-scale SCADA screen, Title 22 recycled water from MBR and chlorination.



Group 1



Group 2



Air Piping for MLE/MBR Process



Bioactiflo System

Next Meeting: Potential future meeting: virtual mini workshop to learn O&M experience on fan press and screw press from four agencies.

Air Issues & Regulations Committee

A Committee of the Bay Area Clean Water Agencies

Quarterly Meeting

August 19, 2026

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Agenda

- Introductions
- BACWA-Bay Area Air District (Air District) Implementation Workgroup
- Engineering Program Manager Pilot Program
- Air District Rule Development
- Standard Permit Condition Update
- Air District Source Test Update
- CARB Statewide Air Toxics Pooled Emissions Study
- CARB Advanced Clean Fleet Regulations Implementation Update
- Open Discussion/Member Updates
- Adjourn (Next Meeting: November 18, 2026)

Air Issues & Regulations Committee
A Committee of the Bay Area Clean Water Agencies

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BACWA-Air District Implementation Workgroup Updates from August 17th Meeting

- Outlook on Engagement
  - Strategic Plan and Resulting Rulemaking Priorities
  - Engineering Project Manager Position
  - CASA Statewide Air Toxics Pooled Emissions Study Coordination
  - POTW Scheduled Training Visits
  - Update Report to the Stationary Source Committee
  - Status of Edits to Standard Permit Conditions
- Other Opportunities for Collaboration between BACWA and Air District

AIR ISSUES & REGULATIONS COMMITTEE
A Committee of the Bay Area Clean Water Agencies

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BACWA-Air District Implementation Workgroup Upcoming on December 7th

- Possible Topics
  - Update from Air District on Engineering Project Manager Pilot
  - Air District Source Testing
  - Update from Air District on Strategic Plan and Resulting Rulemaking Priorities
  - Update from Air District on Status of Rule 11-18 Amendments
  - BACWA feedback on Anaerobic Digester White Paper
  - Update from BACWA on the CASA Statewide Air Toxics Pooled Emissions Study Coordination
  - Standard Permit Conditions Meeting with Air District
- Suggestions for other topics?

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Engineering Program Manager Pilot Program

Engineering Program Manager: Pilot

Engineering Program Managers would:

- Work with applicants with complex permit applications prior to submittal.
- Keep projects on a schedule.
- Coordinate timely exchange of information.
- Resolve roadblocks and elevate for management decision as needed.

Funding and Pilot Phase

- The pilot program will run for three years , during which facilities will fund the assigned positions.
- After the pilot phase, the program may transition to a voluntary fee -based model in FY 2030.

Key Benefits for Facilities

- Faster Permit Processing – Reduces delays and improves approval timelines.
- Pre-Application Guidance – Helps applicants prepare more complete applications.
- Dedicated Expertise – Engineering Program Managers provide specialized support.
- Greater Transparency – Facilities receive clear expectations and regular updates.
- Support for Emerging Technologies – Assistance to participating facilities in permitting new technologies such as renewable energy,
- carbon capture, and other innovative projects.

Bay Area Air District

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Engineering Program Manager Pilot Program

- 6-month Beta Phase BACWA-Air District MOU (now complete)
- Three Beta Phase facilities:
  1. Santa Rosa
  2. Sunnyvale
  3. SFPUC Southeast Treatment Plant
- Janet Whittick is EPM coordinator for BACWA agencies

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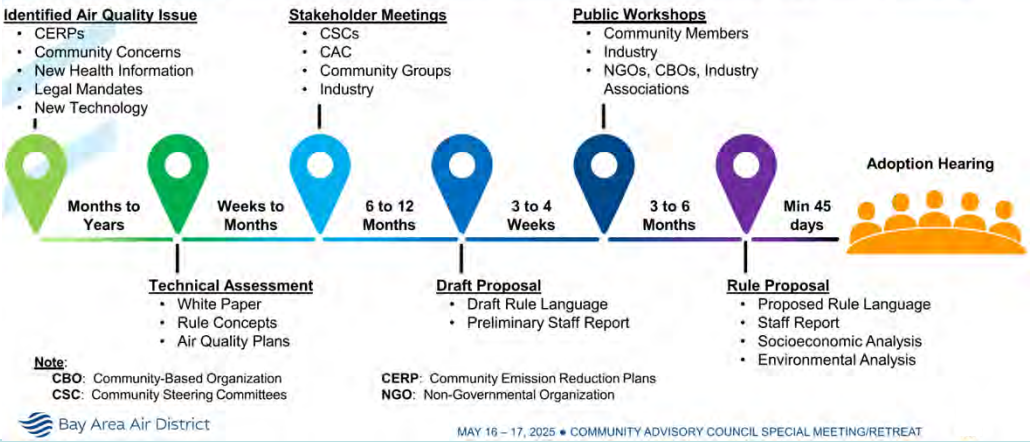
Engineering Program Manager Pilot Program

- Three-Year Pilot Program
- New MOU expected August 2026
- Access to the EPM

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Air District Rule Development

Rule Development and Public Engagement



Bay Area Air District

Air District Rule Development

- Rule 11-18 Amendments
  - BACWA provided comment letter
  - Amendments Adopted June 3, 2026
  - Concerns remain about timelines

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Air District Rule Development

- Anaerobic Digestion White Paper – draft for public comment later 2026
- Following up with BACWA agencies
- Requested data from facilities on digester gas PRV releases, pressure sensor readings, acoustic sensor readings, etc.

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Permit Streamlining Efforts

Permitting Efficiency Taskforce & BOD Ad Hoc

Permitting Efficiency Taskforce

- Members represent facilities, associations (e.g., BACWA), engineering firms, local communities, and NGOs
- Ongoing dialogue to inform process, policy and rule changes, understand impacts on communities and applicants
- Meets monthly, with listen-only access for non-members

BOD Ad Hoc on Permitting

- Board established in September 2025
- Directors Adams (Contra Costa), Gioia (Contra Costa), Gonzalez (Alameda), Haubert (Alameda), Medina (Santa Clara), and Tam (Alameda)
- Meets bimonthly, with quarterly meetings with the Taskforce

Bay Area Air District

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Permitting Concerns

Topics Raised Across Taskforce Conversations

Bolded items represent topics where the signal has been strongest across multiple conversations

1. Rework loops and applications returning to applicants multiple times before reaching authority to construct
2. Application completeness, what is required at submittal, and how determinations are communicated
3. Pre-application engagement and the value of substantive conversation before formal submittal
4. Predictability and reliability of the review process, including knowing what to expect at each stage
5. Visibility into where an application is in the review process, including which actions are pending and with whom
6. Communication standards during review, including notification when status changes and when information is needed
7. Notification practices when an application transitions between statuses or between staff
8. Case continuity when permit engineers are reassigned, promoted, or transition between roles
9. Response timeframes for applicant supplementation, including flexibility for complex projects
10. Consistency in how the permit handbook and rules are interpreted and applied across applications
11. The relationship between engineer discretion and established rules, handbook guidance, and policy
12. BACT determinations, including methodology, threshold triggering, and consistency with prior determinations
13. Potential to Emit methodology, including how throughput limits and operational assumptions are calculated
14. Alteration versus modification, and how the distinction is applied in practice
15. Emission factor transparency, including documentation, citation, and the basis for system defaults

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Permitting Concerns

Topics Raised Across Taskforce Conversations (cont.)

Bolded items represent topics where the signal has been strongest across multiple conversations

16. Documentation of policy determinations, engineering evaluations, and regulatory analysis
17. Standard permit conditions for common source categories, equipment types, and operating scenarios
18. Pre-approved equipment lists and standardized determinations that can streamline routine permitting
19. Permit handbook updates and the relationship between handbook guidance and current practice
20. BACT guidelines and the work to update and clarify them
21. Implementation memos and guidance documents that clarify how the agency applies specific rules
22. Net environmental benefit and innovative or zero-emission technology pathways
23. Pathways for elevating concerns about application reviews when an impasse or significant delay arises
24. Staff knowledge of permitted operations and the sectors being regulated
25. Community access to information about permit applications, decisions, and emissions
26. Public participation and how community input is solicited, evaluated, and reflected in decisions
27. Earlier visibility for projects in AB 617 communities, including communication about timeline expectations
28. Sector-specific permitting realities, including multi-location operations, and project sequencing
29. Sequential multi-step projects where one permit decision affects downstream environmental improvements

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Permit Efficiency Task Force

- Working Group
  - Routine Permitting (June)
  - POC/NPOC/NMOC (July)
  - Potential to Emit (August)

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Standard Permit Condition Update

- Standard Permit Conditions
  - Developed subcommittee to review draft SPC (anaerobic digestion, cogen, and organic waste handling); Awaiting headworks
  - Initial conversation to discuss SPCs and future meetings to be scheduled

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CASA De-Siloing Initiative: "From Silos to Systems"

- Statewide effort to highlight regulatory silos
- Documenting case studies
- Planning to print in the Fall

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Air District Source Test Update

- Inspection, Site Visits, and Training



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CARB Statewide Air Toxics Pooled Emissions Study: Criteria Pollutants & Air Toxics Reporting (CTR)

- AB 617 and AB 2588 were updated to "harmonize" air monitoring, reporting, & emission reductions from stationary sources in CA for a long list of compounds
- **POTWs must participate in a two-step process (individually or as a group) to determine a shortlist of compounds to be monitored and reported**
  1. Scan air space of unit processes to determine detectable compounds
  2. Perform sampling and analysis to ultimately quantify emissions of detectable compounds (Mimic 1990 Pooled Emissions Estimation Program, PEEP, but broader in scope)
- Report business-as-usual through 2028 while performing two-step process (reporting begins in 2029 for 2028 data)
- **CA wastewater sector has opted to perform statewide pooled source testing – those not participating and not performing their own source testing <u>are not in compliance</u>**



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CARB Statewide Air Toxics Pooled Emissions Study: Criteria Pollutants & Air Toxics Reporting (CTR)

- Submitted draft plan to CAPCOA November 2025
- Met with CAPCOA June 10, still no consensus
- Posted source test specialist RFQ and hosted two WWTP tours; SOQs due August 28th
- Laboratory RFQ to follow
- To learn more: attend CASA ACE workgroup meetings or Pooled Emission Study subgroup meetings

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Status of CARB Advanced Clean Fleet Regulations

- CASA submitted comments on latest ACF amendments on April 17
- CARB staff released 15-day Changes/Guidance, clarifying contracted services must comply with ACF
- Final Statement of Reasons says they are going back to original interpretation on how ACF applies to contracted services – meaning if a public agency "dispatches" a contracted vehicle, only then must it comply
- Office of Administrative Law (OAL) decision expected September 11

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Open Discussion/Member Updates

- Collection System NOVs?
- Data on costs associated with lengthy permit application review times?
- Next AIR Committee Meeting Locations?

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Upcoming Meetings

- WEFTEC 2026: September 26-30, 2026 (New Orleans)
- **Next AIR Committee Quarterly Meeting: November 18, 2026 (location TBD)**
- CASA Winter Conference: January 27-29, 2027 (Indian Wells)

AIR ISSUES & REGULATIONS COMMITTEE
A Committee of the Bay Area Clean Water Agencies

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Thank You – Happy (nearly) Fall!



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Laboratory Committee
Report to BACWA Board

Committee meeting on 8/19/2026
Executive Board Meeting Date: 11/13/2026
Committee Chair: Payal Sarkar, San José-Santa Clara

Committee Request for Board Action: None
58 attendees participated remotely, including representatives from 30 BACWA member agencies and the Regional Water Board.

Laboratory Safety Training – the following three presentations focused on laboratory safety:

- Payal Sarkar (San Jose-Santa Clara) shared a presentation on Lab Safety that is part of the lab's Onboarding and Training Program.
- Jesse McDermott (Central San) provided an overview of the 2024 Methylene Chloride Rule.
- Tim Barton, guest speaker from the Laboratory Safety Institute at the University of Tennessee Health Science Center, presented on: Navigating the EPA's Methylene Chloride Rule: Practical Implications for Municipal Environmental Laboratories. The presentation outlined safety and regulatory compliance requirements for methylene chloride, focusing on the EPA's TSCA Final Rule and Workplace Chemical Protection Program. Due to serious health hazards including carcinogenicity and central nervous system toxicity, the rule bans most uses while allowing laboratory reagent applications under strict controls. Key obligations include an EPA Existing Chemical Exposure Limit (ECEL) of 2 ppm (8-hour TWA), mandatory personal exposure monitoring, and the development of an Exposure Control Plan (ECP). To maintain compliant exposure levels, facilities must implement the hierarchy of controls—prioritizing containment in certified fume hoods over capture ventilation—and adhere to strict PPE standards, specifically requiring supplied-air respirators and chemically resistant gloves (such as PVA or Silver Shield) rather than nitrile or neoprene. The presentation was followed by a Q&A.

CIWQS TST reporting - The group discussed questions that have recently come up on how best to report additional compliance tests conducted after a failed routine monitoring test, and how to report the MDEL/MMEL for such tests. Members from the Lab and Permits Committees, along with staff from the Regional Water Board, are working on a draft guidance document for members' use.

DMR Reporting - State Water Board advised that DMR reporting is required, starting with the July DMRs. Submittal of Nov2025-June2026 DMRs is optional. Attendees were advised that the EPA public records database ECHO https://echo.epa.gov/ is likely to indicate violations related to the non-submittal or late submittal of the DMRs for the Nov2025-Jun2026 period. Please check your agency's records on that website. If ECHO shows a reporting violation, contact DMR@waterboards.ca.gov and SWRCB staff will manually clear those violations.

Discussion Items and Announcements

- Committee is planning a Corrective Actions & Root Cause Analysis training in October. Members are encouraged to submit questions and real-world scenarios ahead of time.
- See latest updates from the SFEI RMP Emerging Contaminant Workgroup as presented at the BAPPG August meeting
- BACWA/SFEI Phase 3 PFAS Study: 1st year: influent/effluent sampling(on-going, August 2026) and testing new analytical methods; 2nd year: sample subsewersheds and potential industrial sources (locations to be informed by 1st year data)
- Statewide PFAS Strategy: effort is underway to consolidate and evaluate data collected through various efforts over the past years.

Events / Trainings

- TNI Training Opportunities
- CWEA SF Bay Section Lab Committee Meeting on August 27, virtual or in-person, Central San, with a training on real-world FIA applications and smarter process control data. 3.6 CEUs. Sign-up for the Committee email list here.

Next Meeting: October, date TBD (dependent on guest speaker availability).

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Bay Area Clean Water Agencies Operations and Maintenance Infoshare Committee
Dewatering Technology User Panel
September 8, 2026

Meeting Notes:

1. Attendees
    a. Yanming Zhang (Livermore)
    b. Daniel Buenrostro (SVCW)
    c. Raymond Wong (SVCW)
    d. Mike Finnigan (Yuba City)
    e. Ben Carver (FSSD)
    f. Akli Belaidi (FSSD)
    g. Alexandre Miot (SVCW)
    h. Alina Constantinescu (BACWA)
    i. Anthony Smith (Livermore)
    j. David Newgard (Yuba City)
    k. Lorien Fono (BACWA)
    l. Margaret Kelley (Livermore)
    m. Michael Jeffery (Livermore)
    n. Ryan A. Smith (Sunnyvale)
    o. Sang H. Park (FSS)
    p. Sean Rodriguez (SVCW)
    q. Sinzee Tran (DSRSD)
    r. Todd Millison (DSRSD)
    s. Sarah Guzman (BV)
    t. James Schiera (BV)
    u. Jesse Wallin (BV)

2. Background
    a. For this session, three different wastewater utilities presented their experience and lessons learned from the operation of their sludge dewatering equipment.
        i. Silicon Valley Clean Water (SVCW) – Fournier Fan Press
        ii. Yuba City – Huber Screw Press
        iii. Fairfield- Suisun Sewer District – FKC Screw Press
    b. Attached to this document is a questionnaire that was used as the basis for discussion with each utility presenting at the meeting for reference.

3. Discussion Notes
    a. Silicon Valley Clean Water
        i. Plant information:
            1. ~13-14 MGD average flow
            2. 2-stage biological treatment process, clarifiers, disinfection
            3. Fournier Fan Press dewatering equipment, bio-dryers, drying beds
                a. Fan Presses have 4 treatment trains, 6 channels each train
                b. Installed and operating for ~10 years, have been rebuilt once in that time
        ii. Equipment Selection and Performance
            1. Previously SVCW had centrifuges but had issues with capacity and quality of solids, high energy use
            2. Fan press technology was chosen to replace centrifuges due to high degree of flexibility in treatment capacity and solids quality.
            3. Additional benefits of fan presses:
                a. Manageable maintenance schedule and overall very reliable equipment
                b. Enclosed to reduce moisture and odor in the facility

   c. Flexibility and redundancy due to multiple channel design. Each channel can be isolated.
4. Performance
   a. Generally, the equipment has met the needs of the utility including performance guarantees from the vendor
   b. ~17-25% solids content in dewatered material
   c. ~93% solids capture rate
   d. Polydyne cationic emulsion polymer used, ~25 lbs. per dry ton of material dewatered
5. Operations and Maintenance
   a. Operations
      i. Equipment is easy to start up and does not require regular attention in-person by operations staff once running (can be monitored through SCADA and checked once per shift)
      ii. Consistent incoming TS for sludge feed and correct polymer dose are key parameters for optimizing dewatering
      iii. Polymer is the primary source of operating cost
      iv. Low solids capture rate has been the primary deficiency in operation
   b. Maintenance
      i. The units are deep cleaned once per week by operations staff (including polymer system) to optimize operations
         1. This PM takes about 1 hour per train to complete plus time for the polymer system
      ii. Maintenance issues include clogging of the screens within the units, wear on the screen scraping mechanism that can lead to sharpening and ultimately puncture of the screens, and occasionally over-torquing of the equipment cover plate which can lead to binding of the internal shaft
   c. Lessons learned/best practices
      i. Regular deep cleaning optimizes system performance
      ii. Have spares on hand to avoid potential lead times in ordering new parts
      iii. Be aware of access to the dewatering area to ensure that pieces of the dewatering trains can be easily removed for maintenance. Mobile crane or other lifting assembly near units helpful for maintenance due to heavy parts (covers)
      iv. Pilot equipment before going into detailed design to ensure that it works for your specific plant layout/sludge/etc.
6. Startup/Commissioning and Vendor Support
   a. About 1 week with vendor on site for startup

b. Polymer selection and tuning primary challenge of commissioning
c. Spare parts are readily available, but some parts (and service) are based out of Canada for this vendor leading to longer lead times and planning/budget required for vendor support on-site
d. Vendor will assist with rebuilds and repairs, SVCW suggested working with Vendor on first rebuild effort after having good experience

b. Yuba City
    i. Plant information:
        1. ~5.5 MGD average flow
        2. High purity oxygen activated sludge process
        3. Huber Q Model 800 Screw Press dewatering equipment (3 units), installed around 2017/18 and rebuilt 2023/24
    ii. Equipment Selection and Performance
        1. Previous equipment were belt presses, but were worn down and outdated
        2. Performance
            a. Generally, the equipment has not met the performance guarantees from the vendor in recent years, but this is likely due to changing sludge characteristics at the plant
            b. ~16-19% solids content in dewatered material
            c. Polydyne polymer used, polymer use is ~45 lbs. per dry ton of material dewatered (~100 gallons/day)
            d. Inputs from large industrial users appear to be affecting the dewaterability of the plant's sludge and mitigation strategies are being investigated. Polymer usage is higher than typical as a result
        3. Operations and Maintenance
            a. Operations
                i. Operation of the equipment is generally very manageable.
                ii. On startup, a 'plug' must be established at the back end of the screw to allow backpressure to build and effectively dewater material. Once this is established, operations are steady and SCADA monitoring is able to predict losing the plug with enough time to employ mitigation strategies
                iii. Consistency in incoming liquid stream solids concentration and correct polymer dose are the key parameters for best performance
                iv. Polymer is highest input to operating cost
            b. Maintenance
                i. Common maintenance activities include regular cleaning of the units (general cleaning and also

struvite removal), a monthly light acid cleaning, replacement of wear parts and hoses
ii. Plant budgets ~8 hours per month per unit for cleaning
iii. Mobile spray racks within the unit failed in the past (broken shaft) leading to a long outage that include lead time for parts
1. Vendor was responsive and collaborative during this outage and fix
iv. Moving sprayer assemblies have been regular maintenance item including flexible hoses that can get caught in moving parts and be damaged
c. Lessons learned/best practices
i. Operations staff recommend that a floc tank with viewing port and sampling access to be provided as part of design so Operators can see the quality of incoming material/polymer mix instead of taking sample (messy and time consuming)
ii. Have replacements for rotating parts which are more susceptible to breaking
4. Startup/Commissioning and Vendor Support
a. About 1 week with vendor on site for startup
b. Performance guarantees were met during startup, but after process changes have had difficulty getting to 19% solids in dewatered material
c. Spare parts and service are available and vendor is responsive, provided assistance during rebuild of units

c. Fairfield-Suisun
i. Plant information:
1. ~14 MGD average flow
2. Activated sludge process, tertiary filters, UV treatment
3. FKC Screw Press dewatering equipment and drying beds (installed around 2009)
ii. Equipment Selection and Performance
1. Previous equipment was a plate and frame press that was not meeting capacity needs, difficult to operate, and had safety concerns
2. Facility chose screw press over fan press after piloting, could not successfully dewater with fan press pilot (manufacturer of this fan press not noted, but was not Fournier)
3. Performance
a. Generally, the equipment has met the performance guarantees from the vendor and currently the plant is operating below system capacity due to deal with adjacent resource recovery facility which improves performance
b. ~2% solids feed to dewatering equipment
c. ~15-17% solids content in dewatered material

   d. 95-98% solids capture rate
   e. Polydyne polymer used, emulsion (WE-739)
   f. Polymer usage is ~35-36 lb/dry ton due to frequent startup and shutdowns of the press. In winter majority of digestate solids are not dewatered but sent directly to Lystek, requiring frequent batch operations.
      i. The cost of higher dose of polymer is negated by the overall lower volume of dewatering flow since portion of digestate is sent to resource recovery facility
4. Operations and Maintenance
   a. Operations
      i. Operation of the equipment is generally very manageable and is similar to what was noted by Yuba City (after startup, consistent operator intervention is not required. The system can be monitored from SCADA for the most part throughout the day).
   b. Maintenance
      i. 1.5 hours per week spent per unit to do regular oil changes/top offs, greasing, verifying pressure plate settings
      ii. Monthly cleaning of each unit, ~3 hours to steam clean for struvite control
   c. Lessons learned/best practices
      i. Encouraged utilities to pilot dewatering technologies before implementation
      ii. Design of surrounding platforms/space is important for O&M. Consider access, exposure to heights, etc.
      iii. Built-in steam cleaning system recommended, plant is currently doing manual steam clean which is manageable but not necessary if built-in system is specified.
5. Startup/Commissioning and Vendor Support
   a. 1 week with vendor on site for startup of units
   b. Polymer system was largest challenge in commissioning
   c. Vendor is somewhat local (based in WA) and parts/service are readily available

Bay Area Clean Water Agencies

Operations and Maintenance InfoShare Committee

Dewatering Technology User Panel Questionnaire

September 8, 2026

City of Lodi

1. Facility Background

1. Please briefly introduce your treatment plant.
    - Average flow: 4-5 MGD
    - Type of treatment process: Activated sludge, tertiary with UV disinfection. Primary sludge and secondary sludge (after DAFT) fed to digesters.
    - Dewatering equipment: Year installed, number of units: Volute Dewatering Press Model ES-353. Installed in 2025. One unit with three barrels.

2. Equipment Selection

2. What technology did you use previously, and why was it replaced? Prime Rotary Fan Press. Low solids content; poor solids capture.
3. What were the primary reasons for selecting this technology? Better quality biosolids.

3. Performance

4. What is your typical sludge feed concentration and cake solids content? Feed sludge: 1-2%, cake solids: 13-16%.
5. Has the equipment met the manufacturer's performance guarantees? Because the decision was given to the design engineer, we don’t remember ever having that information.

4. Polymer Performance

6. What type of polymer do you use? Polydyne Clarifloc WE-2950 seems to work the best.
7. Approximately how much polymer do you consume? About a tote a week at or at about 35 gpm.

5. Operations

8. Is continuous operator attention required? Varies if changing polymer or sludge content
9. What operating conditions are most important for consistent performance? Water, ambient temperature, sludge concentrations
10. What are the major operating costs? Polymer

6. Maintenance

11. What have been the most common maintenance issues? Polymer blend unit plugging
12. How many hours are required each month? About 4 hours
13. What has been the longest unexpected outage and the cause? Two weeks caused by peripheral equipment (pumps).

9. Installation and Commissioning

14. How long did startup and commissioning take? One week.
15. What challenges occurred during startup? Weather conditions, sourcing parts

10. Vendor Support

16. Are spare parts and service readily available? Yes

11. Lessons Learned

17. What have been the biggest advantage and disappointment of this technology? Advantage: Consistency in operations. Disadvantage: Some maintenance points are hard to access.
18. What do you wish you had known before purchasing? Honestly, I don't think there's a negative here.

12. Advice for Other Utilities

19. What advice would you give utilities evaluating dewatering technologies? Look at how frequently you are doing major maintenance and how the customer service is.
20. What key performance indicators should agencies focus on during pilot testing? How fast a dewatering device can stabilized and make consistent quality cake.

Asset Management Committee
Report to BACWA Board

Committee meeting on 09/14/2026
Executive Board Meeting Date: 11/13/2026
Committee Chairs: Mohammad Ghoury (West County Wastewater District) and Amanda Roa (Fairfield-Suisun Sewer District)

Committee Request for Board Action: None

XX attendees participated in person, at the Central Contra Costa Sanitary District HQ in Martinez.

Horizontal Asset Management Best Practices

The meeting consisted of a roundtable discussion designed to encourage knowledge sharing and collaboration. The focus was on asset data and best practices for horizontal asset management, including data-driven condition assessments and prioritization to inform planning.

After an introduction to the topic from the Committee Chairs, attendees participated in discussions/info-sharing using various questions prepared ahead of time. The topics of discussion were:

- Hierarchy and attribute data, including GIS tools, such as ESRI's Utility Network and ArcPro, for hierarchy delineation. Representation of subnetworks, asset classes, and drainage basins within GIS were discussed. Factors affecting cleaning and CCTV schedules were also discussed.
- Condition assessment, including tools used to assess and clean the collection system assets such as PACP, CCTV, batched use of sodium hydroxide dosing, MOEs, and AI
- Data for planning, including coordination to enable rehabilitation projects, as well as approaches to define and optimize project scopes. Strategies to overcome vertical datums discrepancies in linear asset datasets were also discussed.

Participants were asked to discuss their agency's approach and tools used to address each of these topics. The value and limitations of various approaches were discussed as they related to specific assets and planning goals.

The conversation will continue at future meetings with the goal of capturing best practices from the group's collective experience and knowledge and working towards development of BACWA guidelines or best practices for asset management for wastewater utilities.

Bay Area Biosolids Coalition: Meeting

October 5th, 2026

A. Welcome/Introductions

BAY AREA BIOSOLIDS COALITION

B. Strategic Plan Goals – Progress Updates

Goals

- **Communicate the value of biosolids** for the purposes of increasing understanding, support, and market demand for biosolids
- **Advance independent scientific research** on the safety and efficacy of biosolids to inform science-based regulations, guidelines and best management practices
- **Support and expand biosolids land application** in the Bay Area
- Support the development of **diverse, cost-effective, and reliable all-weather biosolids projects** for the Bay Area

BAY AREA BIOSOLIDS COALITION

1. Communicate the Value of Biosolids

Updates in blue bold.
Key points highlighted.

Website Subgroup – ongoing: update website; coordinate with BACWA on communications strategy.

Action Items from last BABC Meeting:

- ❑ Post one website post before the Oct BABC meeting.
- ❑ Add BluumBio/San Mateo project to BABC-supported research projects page.
- ❑ Cross-link to Baywise's new biosolids page in BABC website.
- ❑ Review draft social media post about Baywise's new biosolids page.

BAY AREA BIOSOLIDS COALITION

1. Communicate the Value of Biosolids

Updates in blue bold.
Key points highlighted.

BABC Website Updates:

- **Recent post*:**
  - **BABC-supported research:**
    - **See screenshot →**
- Planned posts:
  - Biosolids benefits:
    - Land application site photos
    - Improve crop productivity
    - Reduce irrigation
  - Agency highlights:
    - San Jose, West County, SFPUC
    - Let us know if interested!
  - BABC-supported research



*BABC website posts: https://www.bayareabiosolids.com/news-events

BAY AREA BIOSOLIDS COALITION

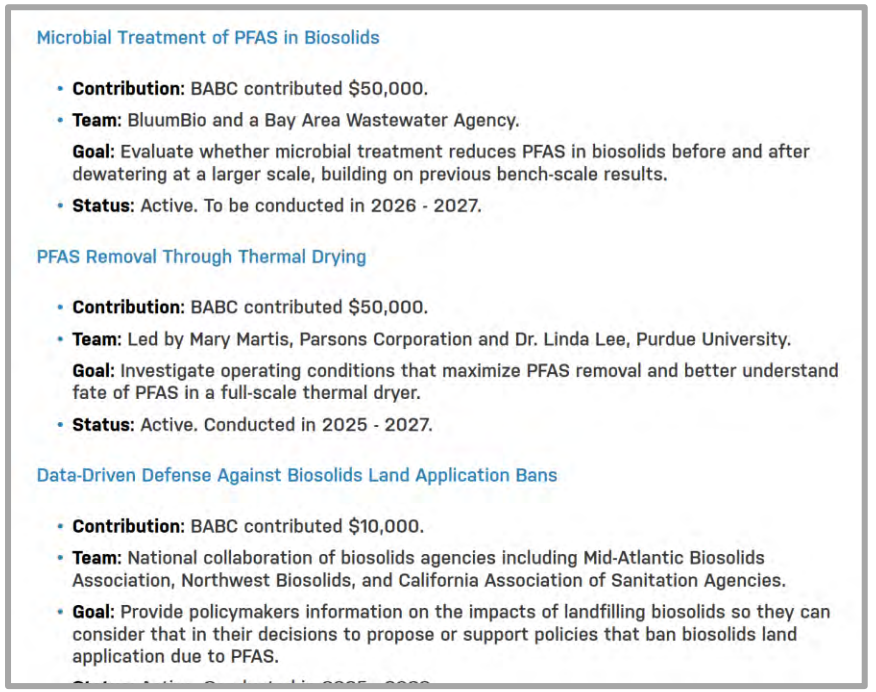
1. Communicate the Value of Biosolids

Updates in blue bold.
Key points highlighted.

BABC Website Updates:

- **Added BluumBio project summary to website section on BABC-supported research projects.**
  - **See screenshot →**





Microbial Treatment of PFAS in Biosolids

- **Contribution:** BABC contributed $50,000.
- **Team:** BluumBio and a Bay Area Wastewater Agency.
- **Goal:** Evaluate whether microbial treatment reduces PFAS in biosolids before and after dewatering at a larger scale, building on previous bench-scale results.
- **Status:** Active. To be conducted in 2026 - 2027.

PFAS Removal Through Thermal Drying

- **Contribution:** BABC contributed $50,000.
- **Team:** Led by Mary Martis, Parsons Corporation and Dr. Linda Lee, Purdue University.
- **Goal:** Investigate operating conditions that maximize PFAS removal and better understand fate of PFAS in a full-scale thermal dryer.
- **Status:** Active. Conducted in 2025 - 2027.

Data-Driven Defense Against Biosolids Land Application Bans

- **Contribution:** BABC contributed $10,000.
- **Team:** National collaboration of biosolids agencies including Mid-Atlantic Biosolids Association, Northwest Biosolids, and California Association of Sanitation Agencies.
- **Goal:** Provide policymakers information on the impacts of landfilling biosolids so they can consider that in their decisions to propose or support policies that ban biosolids land application due to PFAS.

*BABC-supported research: https://www.bayareabiosolids.com/research

BAY AREA BIOSOLIDS COALITION

1. Communicate the Value of Biosolids

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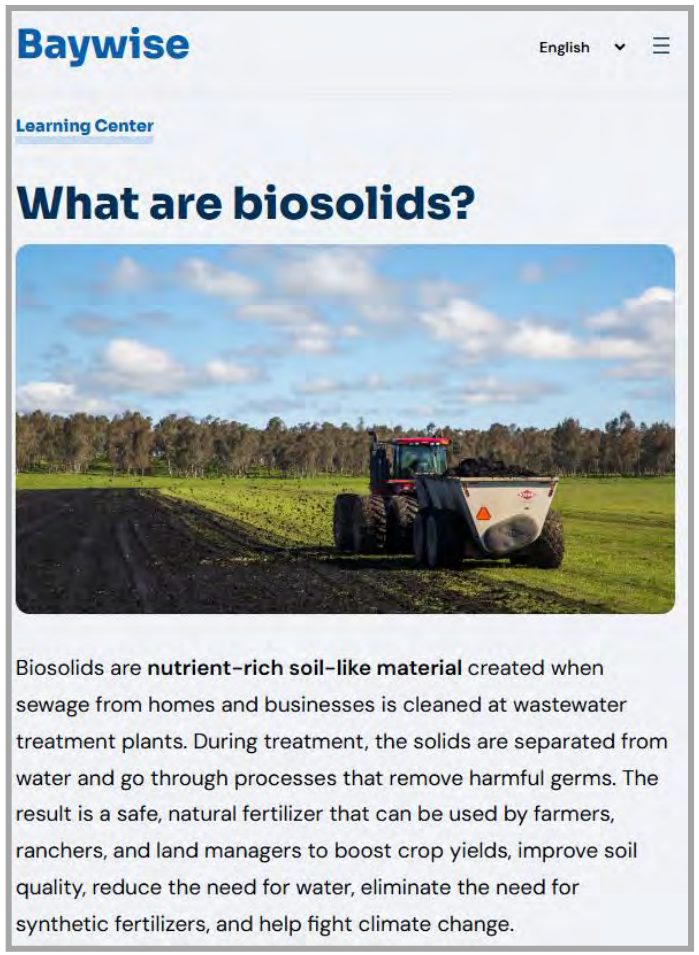
BACWA/BABC Collaboration

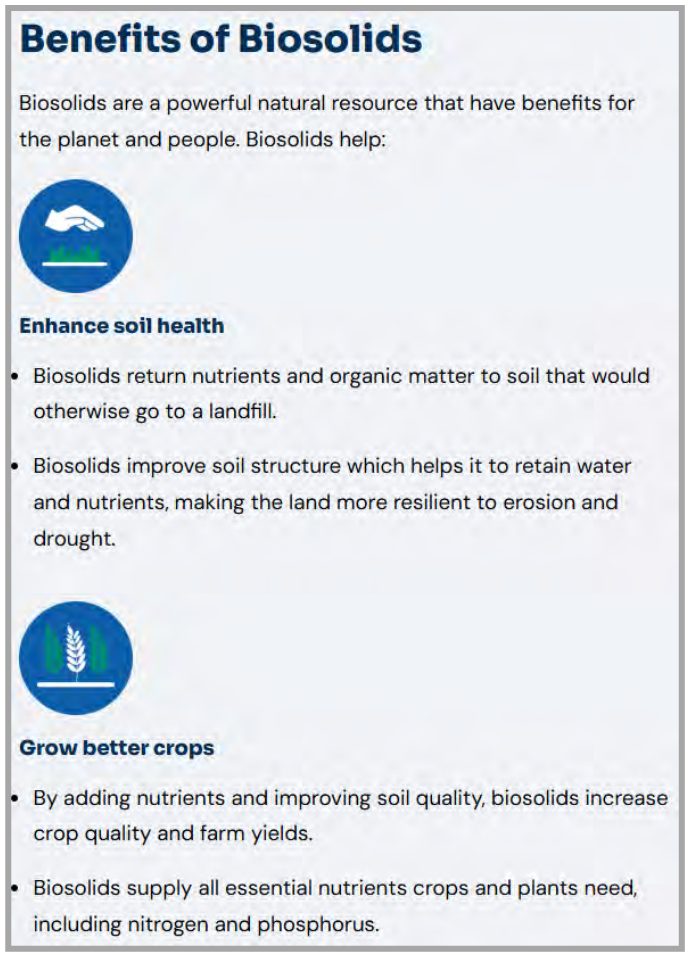
- **BABC helping promote Baywise biosolids webpage:**
  - **Reviewed webpage and social media post template.**
  - **Added link to BABC website.**
    - **In "About Biosolids" and "FAQ" pages (see screenshot)**

Where can I learn more about biosolids?

BACWA'S public-facing, educational website:

Baywise





Link: *https://baywise.org/what-are-biosolids/*

** https://baywise.org/ is BACWA's public-facing, educational website.*

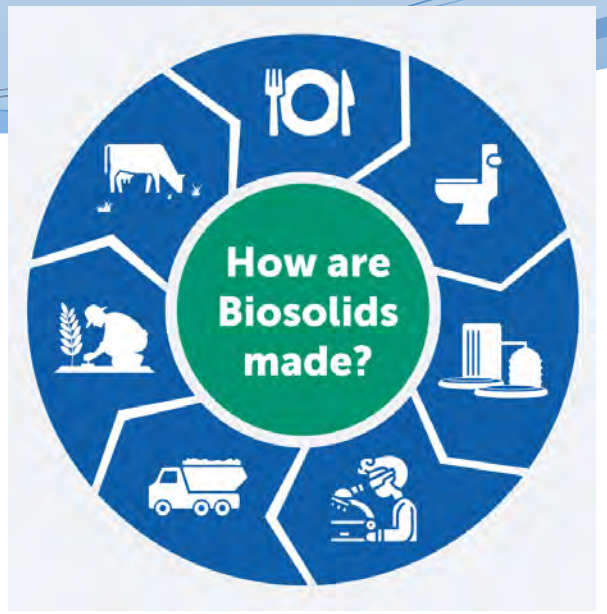
BAY AREA BIOSOLIDS COALITION

1. Communicate the Value of Biosolids

BACWA/BABC Collaboration

- **BABC members encouraged to post on their social media (LinkedIn, etc.).**
  - https://docs.google.com/document/d/1bwri6YHqwqueRHatFtWYQx06DjmpizzX-2-e4fIlWOQ/edit?tab=t.0







When you flush a toilet, that water flows through sewers to a wastewater treatment facility like ours where the solids are separated from wastewater and go through further treatment processes. The result? Biosolids. A safe, nutrient-rich soil-like resource with multiple benefits for soil health, crop growth, and fighting climate change.

[our org] is one of over 40 clean water agencies across the Bay Area operating 16,000 miles of sewers that help turn "waste" into a valuable resource as we collect and clean billions of gallons of water every year!

Check out baywise.org to learn more about how clean water agencies in the Bay Area are on the front lines of environmental stewardship of the San Francisco Bay. Watch our feed for more Get Bay Wise posts.

BAY AREA BIOSOLIDS COALITION

1. Communicate the Value of Biosolids

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Website Subgroup – ongoing: update website; coordinate with BACWA on communications strategy.

Action Items from last BABC Meeting:

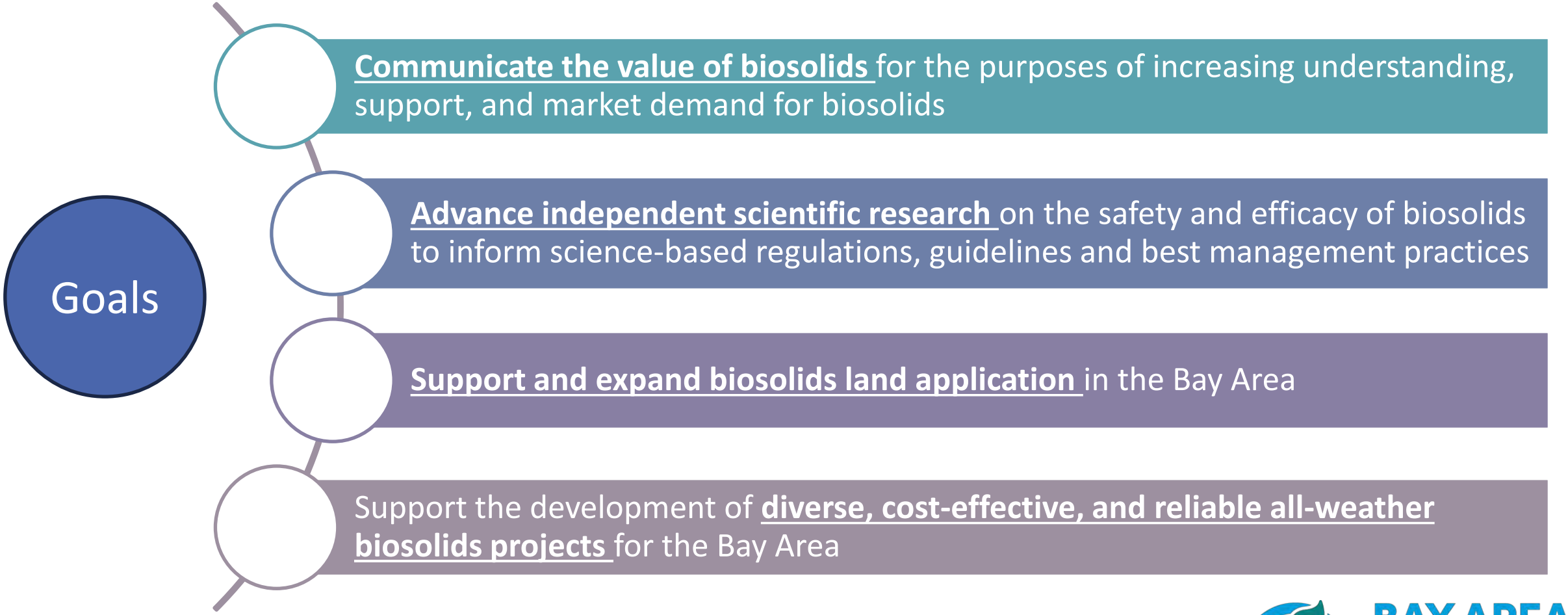
- ☑ Post one website post before the Oct BABC meeting.
- ☑ Add BluumBio/San Mateo project to BABC-supported research projects page.
- ☑ Cross-link to Baywise's new biosolids page in BABC website.
- ☑ Review draft social media post about Baywise's new biosolids page.

Next Steps:

- ☐ Post one website post before the Dec BABC meeting.
- ☐ Email BABC encouraging members to post on their social media about the new Baywise biosolids page using template.

BAY AREA BIOSOLIDS COALITION

B. Strategic Plan Goals – Progress Updates



BAY AREA BIOSOLIDS COALITION

2. Advance Scientific Research

Action Items

Updates in blue bold.
Key points highlighted.

Research Subgroup – ongoing: coordinate with 4 ongoing BABC-supported research projects; explore potential research opportunities, as they arise.

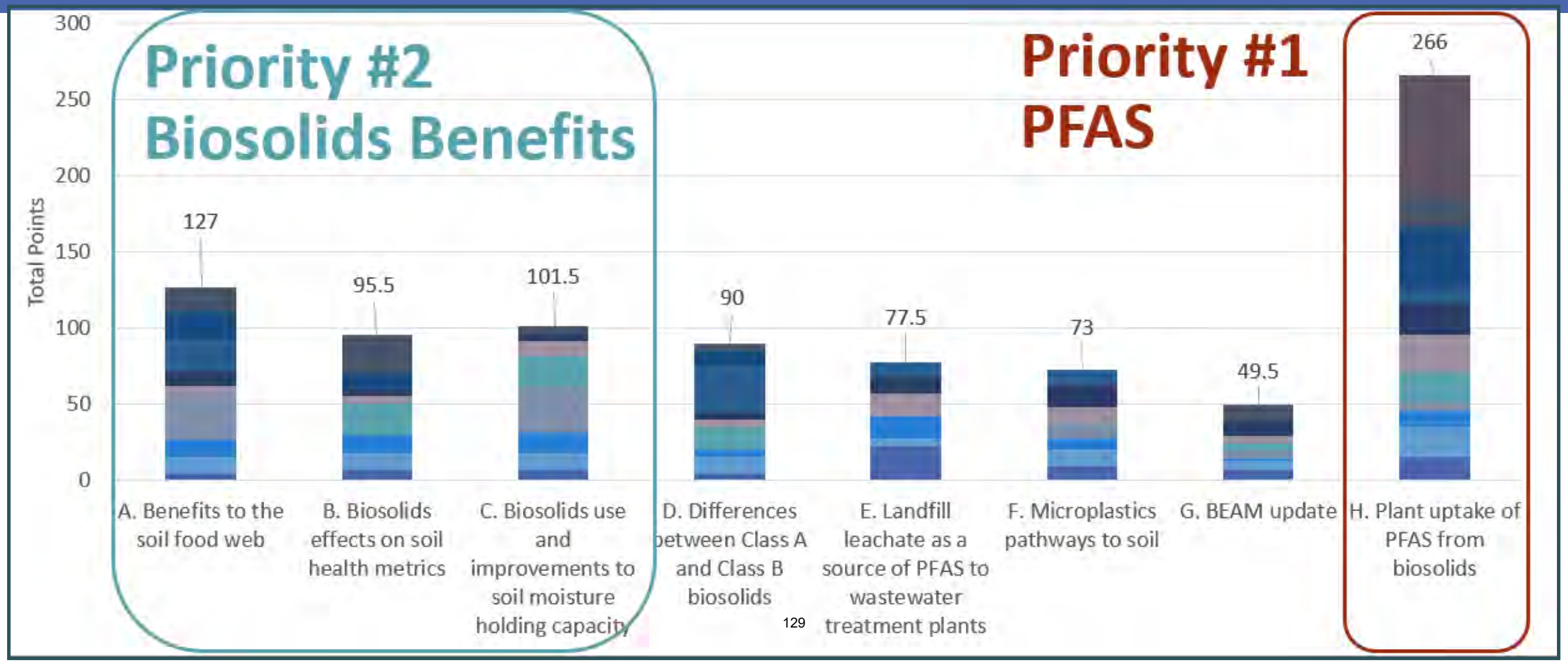
Action Items from last BABC Meeting:

- ❑ Review BluumBio's revised scope and provide feedback.
- ❑ Send questions & suggestions to Dr. Ian Pepper about National Collaborative Research Phase 3.

2. Advance Scientific Research

Research Priorities

Updates in blue bold.
Key points highlighted.



2. Advance Scientific Research

Research BABC is Actively Supporting

Updates in blue bold.
Key points highlighted.

National Collaborative PFAS Project – Phase 2	• BABC contributed $50,000. • Evaluating crop uptake of PFAS. • Dr. Ian Pepper presented at the Aug BABC meeting.
Capacity Impacts of Land Application Ban	• BABC contributed $10,000. • Evaluating cost and capacity impacts of potential land application ban. • Carollo & BC presented CA findings at the Aug BABC meeting.
Microbial Remediation of PFAS Impacted Biosolids	• BABC contributed $50,000. • Evaluating microbial remediation of biosolids pre- and post-dewatering. • BluumBio presenting at this meeting.
PFAS Removal through Thermal Drying	• BABC contributed $50,000. • Evaluating mass balance and operational changes to maximize removal. • Mary Martis will present at the Dec BABC meeting.

Research Updates

Updates in blue bold.
Key points highlighted.

BluumBio and San Mateo's Partnership Evaluating Microbial Treatment of PFAS in Biosolids

Jordan Baker (BluumBio)

Research Updates

Updates in blue bold.
Key points highlighted.

PFAS Precursors & Other Overlooked PFAS;
Intro to the TOP Assay & Updates to the Standard EPA Method

Dr. Fuhar Dixit (University of Tennessee)

2. Advance Scientific Research

Other Research We're Tracking

Updates in blue bold.
Key points highlighted.

- BACWA/SFEI Phase 3A PFAS Study "PFAS Sources to Solutions"
  - Scope
    - Test PFAS in wastewater influent and effluent, not biosolids.
    - All samples analyzed via EPA Method 1633; some via TOP.
    - Primary study questions:
      1. What are the concentrations of various PFAS subgroups (legacy and newer PFAS) in influent and effluent?
      2. Are there observed temporal trends in wastewater?
    - Additional questions:
      1. What are relative PFAS loadings from POTWs to the San Francisco Bay compared to urban stormwater runoff?
      2. Can specific PFAS fingerprints be identified to link to upstream sources?
  - Updates:
    - Final sampling plan sent in Jul 2026.
    - **First round of sampling took place in August.**
    - **Summit Partners will request info on whether agencies have collected PFAS data outside of SFEI studies.**

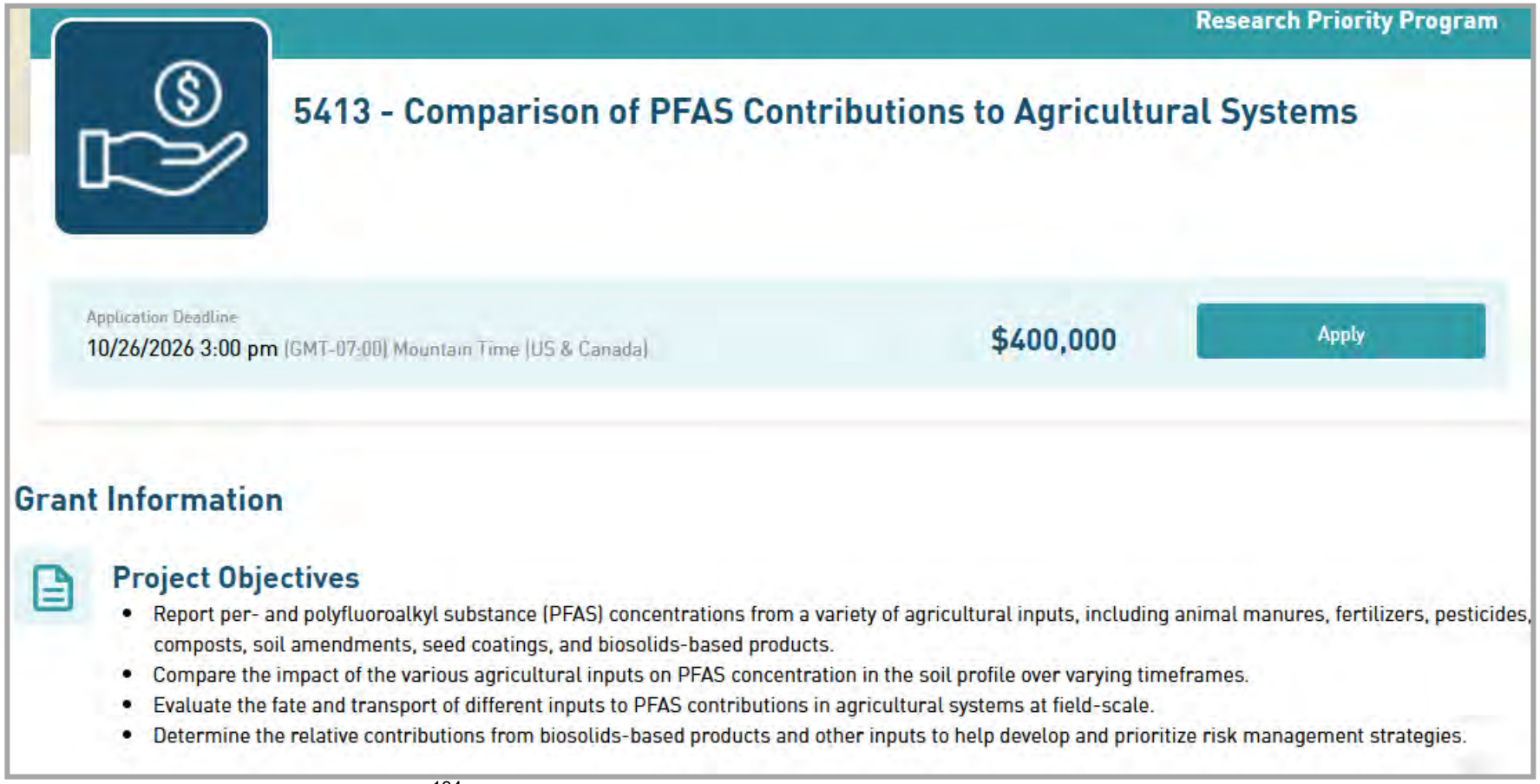
2. Advance Scientific Research

Other Research We're Tracking

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Key points highlighted.

THE Water Research FOUNDATION

- **Two research teams contacted BABC:**
  - **Charles Schaefer, CDM Smith & Dr. Linda Lee, Purdue.**
  - **Dr. Tom Young & Sanjay Parikh, UC Davis**
- **Research subgroup to coordinate with them.**
- **Deadline: October 26th.**

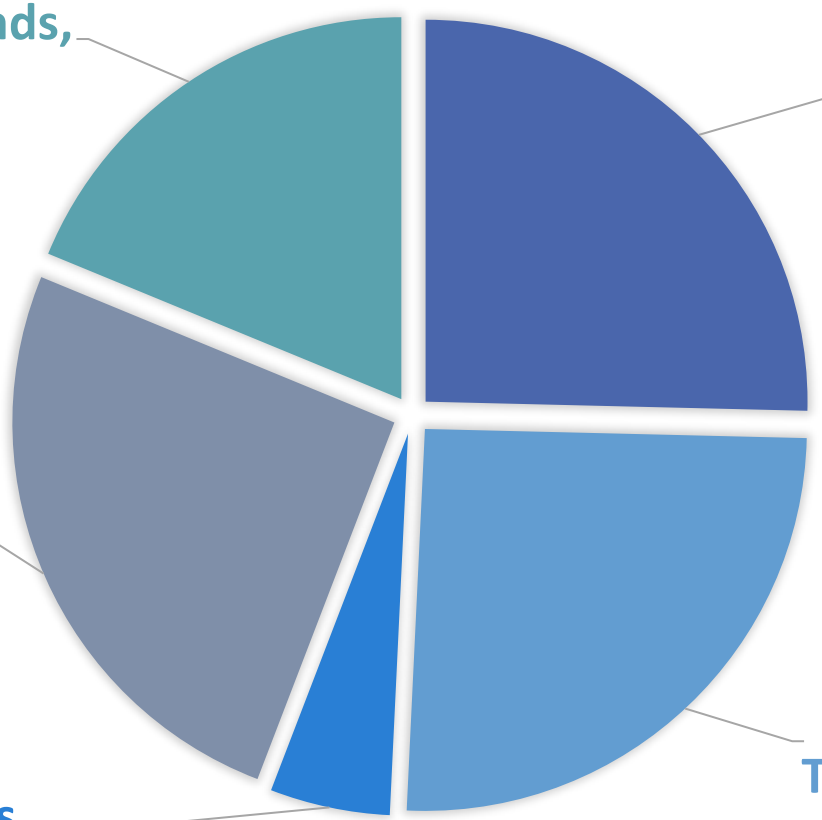


Link: *https://portal.waterrf.org/outbound-grant-details/3348*

2. Advance Scientific Research

Remaining Funds

Updates in blue bold.
Key points highlighted.



2. Advance Scientific Research

Action Items

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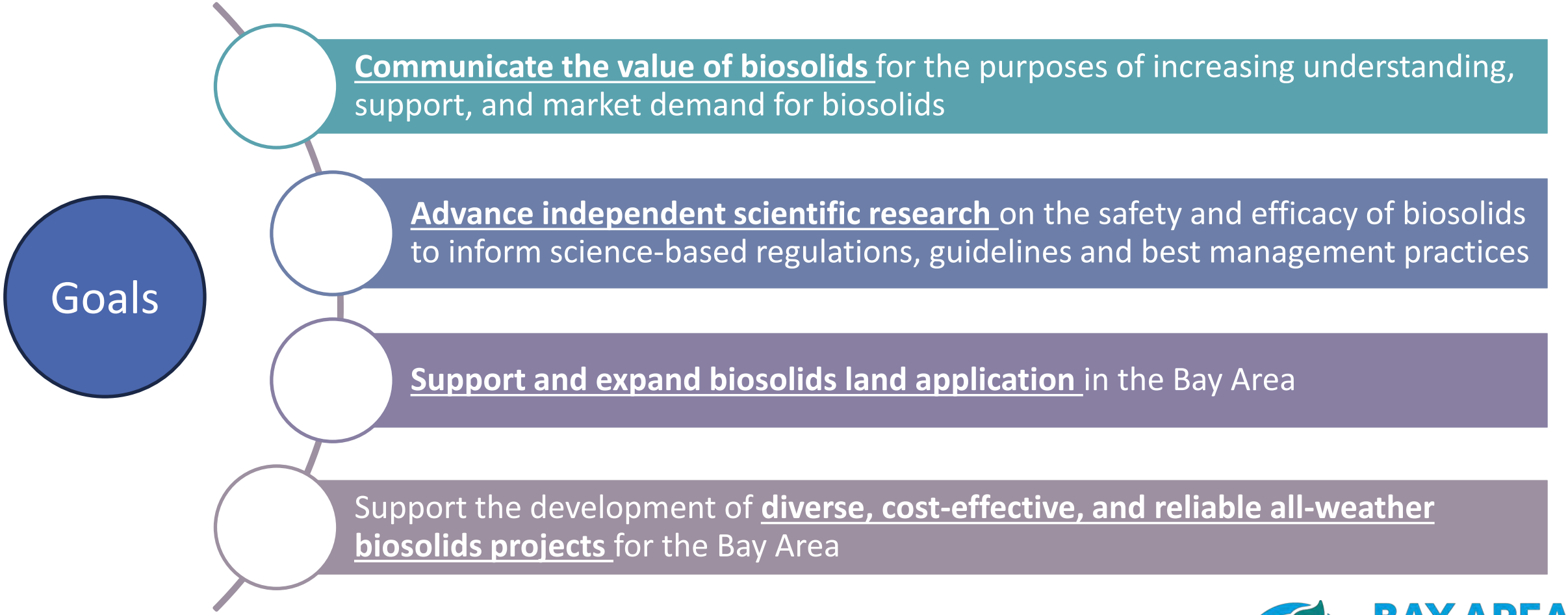
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- ☑ Send questions & suggestions to Dr. Ian Pepper about National Collaborative Research Phase 3.

Next Steps:

- ❑ Follow up with WRF 5413 research teams.

B. Strategic Plan Goals – Progress Updates



BAY AREA BIOSOLIDS COALITION

3. Support and Expand Biosolids Land Application

Support and expand biosolids land application in the Bay Area

- Track regulations, funding programs, and media that could impact biosolids beneficial use in the Bay Area
  - PFAS and other emerging contaminant regulations that could limit land application.
  - SB 1383 and county ordinances that could limit or expand local land application .
  - Regulations and funding programs that could impact anaerobic digestion and biogas use (e.g., SB 1383, potential BAAD methane emission limits, CARB ACF requirements, CARB LCFS credits and federal RIN credits and IRA funding).
  - Zero waste, healthy soils, carbon capture, and climate resilience programs that could incentivize use of biosolids.
  - Local media on biosolids safety and benefits.

3. Support and Expand Biosolids Land Application

Updates in blue bold.
Key points highlighted.

- PFAS (EPA/National)
  - Draft Guidance for Reducing Risks from PFAS in Biosolids
    - Released on Jul 1st, 2026.
    - **Comments due ~~Sep 4th~~ Oct 5th. CASA and W5170 experts team provided comment letters.**
  - PFAS CERCLA Liability Exemption for Passive Receivers
    - 45 organizations signed support letter submitted in May 2026.
    - **U.S. Court of Appeals affirmed the CERCLA designation for PFOA and PFOS.**
    - **Congressional discussions continue regarding protections for passive receivers.**
    - **Representative Peters (D-CA) preparing legislation to protect passive receivers.**

3. Support and Expand Biosolids Land Application

Updates in blue bold.
Key points highlighted.

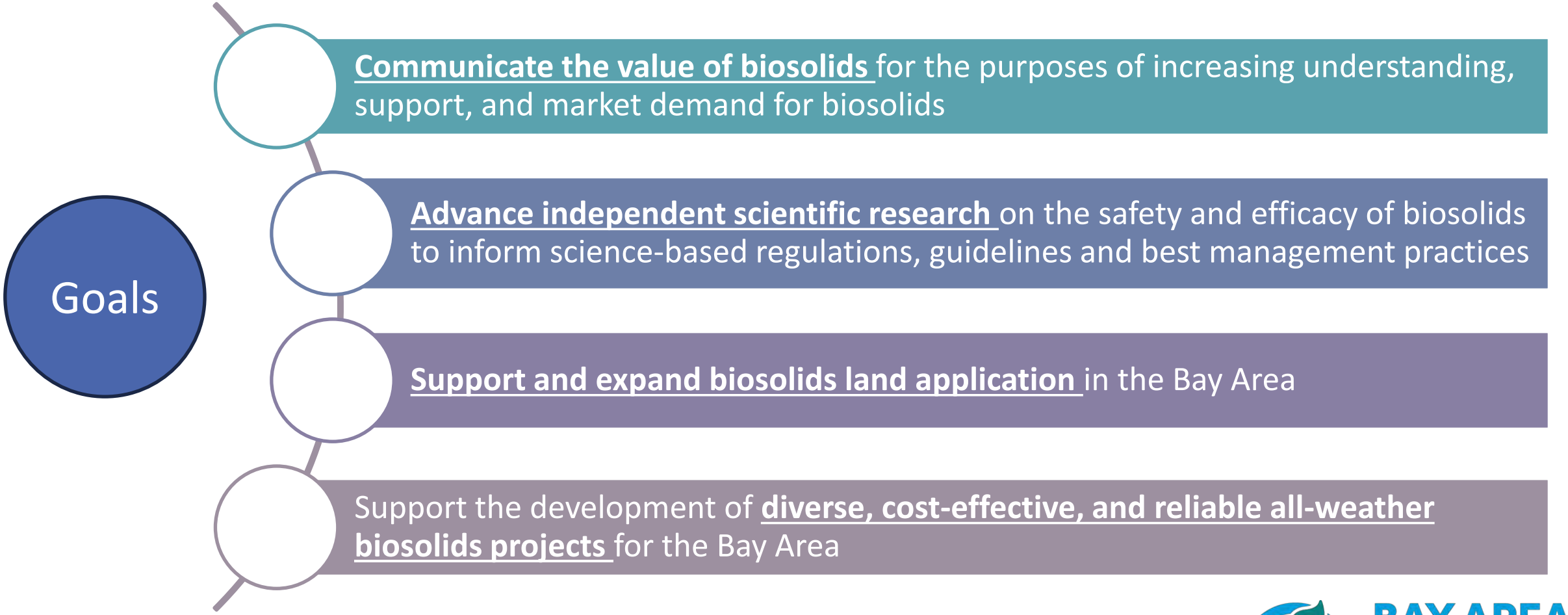
- PFAS (Other States)
  - Arizona
    - **State terminated AgTech's land leases in Yuma, AZ.**
  - Maryland SB 719/HB 925 → Chapter 329 (enacted April 2026)
    - **Tiered limits for PFOA + PFOS: > 50 ppb = land app prohibited; 25-50 ppb = restricted; <25 ppb = no restrictions.**
  - Pennsylvania
    - **Pursuing similar limits as Michigan (20, 20-100, 100 for PFOA or PFOS) through permits rather than legislation.**
  - New York S5759C/A6192
    - 5-year moratorium on biosolids land application. Did not pass; but was close.
  - Virginia SB 386/HB 1443 → Chapter 854 and 853 (enacted April 2026)
    - **2027-2029: tiered limits for PFOA or PFOS (25/50); after 2029: same limits for PFOS + PFOA.**

3. Support and Expand Biosolids Land Application

Updates in blue bold.
Key points highlighted.

- CARB Advanced Clean Fleets (ACF)
  - Final package released on Jul 29th, 2026: https://ww2.arb.ca.gov/rulemaking/2025/acfab1594
    - No longer expands requirements for contracted vehicles. Includes only vehicles "dispatched" by a public agency; where "dispatch" means to provide directions for routing.
    - Wastewater facilities may be eligible for Captive Biofuel (i.e. CNG from digester gas) Use Exemption, but access to exemption is limiting **(not available under the Purchase Schedule compliance pathway)**. CASA advocating for expanding exemption.
  - **CASA is drafting an ACF Compliance Guidance document.**
- NRCS Soil Carbon Amendment (Code 336)
  - **Latest draft revisions of the *USDA Natural Resources Conservation Service's, National Handbook of Conservation Practices:***
    - **Excludes biosolids from being eligible as a Soil Carbon Amendment.**
    - **CA policies require that soil amendments be listed in Code 336.**
  - **CASA and W5170 experts (among others) submitted comments letters Oct 1st.**

B. Strategic Plan Goals – Progress Updates



BAY AREA BIOSOLIDS COALITION

Potential Regional Solutions

Updates in blue bold.
Key points highlighted.

Proposed Montezuma Biosolids Project:
Deep Well Injection and Carbon Sequestration

John Dewey and the Montezuma Team

C. Recent Events

Key points highlighted.

- Aug 12th and 18th EPA virtual listening sessions on Draft Guidance for Reducing Risks from PFAS in Biosolids https://www.epa.gov/biosolids/draft-guidance-reducing-risk-perfluorooctanoic-acid-pfoa-and-perfluorooctane-sulfonic
- Sep 17th CASA Biosolids Regulatory Workgroup Meeting (virtual, monthly)
- Sep 26-30th WEFTEC in New Orleans, LA https://www.weftec.org/
- Sep 28-30th Northwest Biosolids BioFest in Chelan, WA https://nwbiofest.org/

BAY AREA BIOSOLIDS COALITION

C. Upcoming Events

Key points highlighted.

- BABC Meetings (2nd Monday every other month):
  - Dec 14th at 10 am to 12 pm (virtual)
  - 3 upcoming meetings:
    - Feb 8th, Apr 12th, Jun 14th
    - 1 of 3 will be in person; TBD depending on host/tour availability
- Other Events:
  - Oct 15th CASA Biosolids Regulatory Workgroup Meeting (virtual, monthly)
  - Oct 15th PFAS in Biosolids: Treatment & Funding Opportunities Webinar https://go.slenvironment.com/pfas-biosolids-webinar?utm_campaign=51703307-10.15.26%20Beyond%20the%20Dome%20Partner%20Webinar&utm_source=associations
  - Oct 21st CASA Innovative Technology Seminar in Davis, CA https://casaweb.org/events/innovative-technology-seminar/
  - Oct 28-30th NEBRA Conference in Portland, ME https://www.newea.org/event/northeast-residuals-biosolids-conference/
  - Jan 27-29th CASA Winter Conference in Indian Wells, CA
  - BACWA events calendar: https://bacwa.org/events/

BAY AREA BIOSOLIDS COALITION

Dec Meeting: Member Agencies Round-Table

Your name and role. Who else is here from your agency?

What does your agency do for solids processing and beneficial use?

Does your agency plan to make any changes to solids processing in the future?

How is your agency handling PFAS regulatory risks?

How can the BABC better support your agency's goals?

BAY AREA BIOSOLIDS COALITION

D. October Action Items

Key points highlighted.

Website Subgroup – ongoing: update website; coordinate with BACWA on communications strategy

- ❑ Post one website post before the Dec BABC meeting.

Research Subgroup – ongoing: coordinate with 4 ongoing BABC-supported research projects; explore potential research opportunities, as they arise.

- ❑ Follow up with WRF 5413 research teams.

Steering committee / PM Team – other efforts

- ❑ Continue coordination with potential Montezuma Wetlands regional biosolids project.

BAY AREA BIOSOLIDS COALITION

D. October Action Items

Key points highlighted.

Member agencies –

- ❑ Help promote the new Baywise biosolids page by posting on your social media using the template: https://docs.google.com/document/d/1bwri6YHqwqueRHatFtWYQx06DjmpizzX-2-e4fIlWOQ/edit?tab=t.0
- ❑ Contact us if interested in:
  - ❑ Joining the Steering Committee, Website Subgroup, or Research subgroup.
  - ❑ Being featured in agency highlight on the website.
  - ❑ Hosting the Feb 8th, Apr 12th, or Jun 14th, 2027 BABC meetings.

Contacts:

- PM Team (Christine, John, and Elaine): babcprogrammanager@carollo.com
- Christine Polo: cpolo@carollo.com

BAY AREA BIOSOLIDS COALITION

E. Adjourn for All… Thank You!

12-1 pm: Lunch

Thanks to Carollo!

1-2 pm: Tour

Thanks to Santa Rosa Water!

BAY AREA BIOSOLIDS COALITION

Permits Committee
Report to BACWA Board

Committee meeting on 10/13/2026
Executive Board Meeting Date: 11/13/2026
Committee Chair: Chris Dembiczak, EBMUD

Committee Request for Board Action: None

37 attendees participated remotely, including 5 staff from the SF Bay Regional Water Quality Control Board NPDES Permitting Division, consultants and staff representing 19 member agencies.

New RWQCB Staff – Erika Rodriguez has been hired in the NPDES Wastewater and Enforcement Division's Individual Permitting Section. She will be overseeing NPDES permits for POTWs industrial wastewater treatment facilities, primarily taking over John Madigan's role.

Recent and Upcoming NPDES Permits - See Reissuance Calendar (updated September 2026)

- October adoption: Sunnyvale and Petaluma (adopted on 10/14/26).
- Anticipated December adoption: SFPUC Treasure Island (new permit), Marin 5 Paradise Cove (renewal), and Calistoga (CDO termination). The TI WWTP is not online, yet; SFPUC is working with the RWQCB to set the permit effective date for when the plant comes online. Minor revisions were worked in the Marin 5 permit. No other issues noted.
- Yountville and SFPUC Southeast Plant have a new target adoption date of February 2027.

Guidance on Wet Weather Preparedness / Bypass Reporting

- California declared a State of Emergency for the anticipated El Niño this winter; notifications were sent by the SWRCB to collection systems and WWTPs regarding El Niño readiness.
- Agencies should review requirements for Bypass Reporting in NPDES permits (Attachments D, E, and G). Guidance for using the CIWQS Bypass Reporting Module can be found here.
- Agencies are expected to be up to date with maintenance and rehabilitation projects to ensure systems are able to handle wet weather events. If any issues are experienced during the upcoming wet weather season, agencies will be required to demonstrate necessary precautions were taken to prevent emergencies (e.g., bypasses, overflows) during wet weather.

Toxicity Updates

- The revised *CIWQS Chronic Toxicity TST Reporting Guidance* will be completed in the upcoming weeks. Details will be provided at the December meeting, which will be a joint meeting with the Lab Committee.
- Interested peer reviewers should contact Blake Brown (bbrown@centralsan.org) or Chris (chris.dembiczak@ebmud.com).
- Tests should include concentration series specified in lab method, typically 5 and including the Instream Waste Concentration (IWC) and surveillance concentration (10%).
- Uploading TST results, % effect(s), MDEL, and MMEL results to CIWQS is recommended.
- Current reasonable potential guidance: if any test result is a "fail" at the IWC or if any test has a %effect at the IWC of >10%, there is reasonable potential.
- Sam Plummer (RWQCB) agreed to send an email describing the pathways and specific criteria for reduced chronic toxicity monitoring. See Attachment 1.Toxicity Lawsuit – CA Supreme Court Docket: No updates at this time.
- Limited-term species approval for chronic toxicity: RWQCB approved use of shrimp (*A. bahia*) through the end of 2026 if labs experience shortages of approved species (mussel, sand dollar, purple urchin, and red abalone).

Federal Legislative Effort to Increase the NPDES Permit Term from 5 to 10 years

- The Bipartisan American Affordability and Jobs Act proposes to increase NPDES permit terms from 5 to 10 years. It is unclear how this potential change would affect permits in CA as the state has its own permit duration requirements.
- A benefit of retaining 5-year permits is that changes or adjustments can occur with permit renewals, whereas extending permit terms to 10 years will likely result in the need to reopen

NPDES permits more frequently. There are also restrictions since the changes made to a reopened permit are limited to the specific item that being changed.

Nutrients Watershed Permit Implementation

- BACWA and HDR are gathering information from permittees to address deficiencies noted in the Group Annual Report based on the RWQCB letter dated 7/19/26. BACWA and HDR prepared a template which RWQCB reviewed and stated that it will be extremely useful in subsequent years.
- Agencies should be aware of the potential WWTP Classification change that may be triggered from upgrades for nutrient removal. The classification is partly determined based on size, but also the type of treatment implemented.
- RWQCB staff are preparing a Basin Plan Amendment to allow extended compliance schedules (from 10 years to 15 years) to ensure compliance with nutrient limits. Target adoption is anticipated for Spring 2027 and AECOM is under contract to support the BPA CEQA analysis.
- BACWA coalition's grant application to USEPA SF Bay Program was awarded $19.6M. Lorien Fono is working awardees and EPA to ensure the funding is distributed.
- Nutrient Management Strategy Update: Model is undergoing external review. Next meeting will be held on Oct 16 ; updates will also be shared at the SFEI RMP Meeting on Oct 21.
- Chris Dembiczak gave a presentation on N_2O emission from wastewater treatment; the group was very interested in the presentation and it is likely that this topic will be brought back at a future meeting.

PFAS and CECs Updates

- BACWA/SFEI are moving forward with Phase 3 of the Bay Area PFAS Study.
- Coalition of wastewater agencies (CVCWA, CASA, Clean Water Socal) is reviewing data previously collected from the BACWA Phase 2 study, PFAS Statewide investigation order, other data from So Cal agencies. CDM is assisting with this effort.
- The SFEI Regional Monitoring Program (RMP) – Emerging Contaminant Workgroup met in April.
- See SFEI CEC presentation from BAPPG Meeting on August 5.
- Comment period of EPA Guidance for reducing PFOAS/PFOS risk in biosolids closed on Oct 5.

SWRCB Wastewater Needs Assessment Update

- Preliminary 'inadequate' status notifications were sent to agencies in August.
- In Region 2, there were 2 NPDES facilities and 13 collection systems on the preliminary 'inadequate' list.
- CASA continues to work closely with the SWRCB on this item.

Outfall Inspections and Dilution Studies

- RWQCB staff specified that outfall inspections are related to compliance with Discharge Prohibition 3.2. Inspections help ensure sufficient dilution through proper operation and maintenance of outfall.
- Inspections and dilution studies should be conducted once every 10 years. If there is no inspection report within 10 years, the Regional Water Board will include an inspection requirement in the reissued NPDES Permit. The frequency may change based on previous inspection results and outfall condition.

Agency report(s)/ open forum - No updates regarding inspections/enforcement actions.

Next Meeting: Tentatively scheduled for December 8, 2026 as a joint meeting with the Laboratory Committee; it will be a hybrid meeting over Teams and in person at the San José-Santa Clara WWTP with optional lunch and tours following the meeting.

Attachment 1: Current Regional Board Practice and Guidance on Determining Chronic Toxicity Monitoring Frequency

Defaults:

- >= 5.0 MGD: monthly
- < 5.0 MGD & > 1.0 MGD: quarterly
- <= 1.0 MGD: twice per year

Allowed Reductions:

- Requirements for reducing monitoring frequency:
    - If permit being reissued included an effluent limit, must have complied with the following over the prior five consecutive years:
        - Compliance with the MDEL/MMEL
        - "Toxicity requirements" included in the permit have been followed
    - If permit being reissued did not include an effluent limit, must have complied with the following over the prior five consecutive years:
        - "Toxicity requirements" included in the permit have been followed
        - Minimum of 10 chronic toxicity tests conducted at the IWC (or higher effluent concentration %) and analyzed using the TST
        - All chronic toxicity test results do not result in a "fail" at the IWC (or higher effluent concentration %)

- Large Dischargers (>= 5.0 MGD):
    - To reduce from monthly to quarterly:
        - Compliance with all the above requirements
    - To further reduce from quarterly to 2/year:
        - Initial dilution of at least 10:1
        - Additional surveillance monitoring at a minimum of twice the IWC (implemented by us at the RB, set at 10% for program consistency)

- Medium Dischargers (< 5.0 MGD & > 1.0 MGD):
    - To reduce from quarterly to 2/year:
        - Compliance with all the above requirements

- Absolute minimum: twice per year

As a reminder, the Toxicity Provisions are not self-implementing, so Dischargers must comply with what's written in their permit (even if they satisfy the requirements to reduce further). All reductions require approval from the permitting authority (the RWQCB). Additionally, if any of these requirements are not met at any point, the Discharger must return to their default monitoring frequency until the conditions are met again. TRE processes also allow for some reductions, but I believe that's all written out in everyone's permits.

Executive Director's Report to the Board

September-October 2026

PRACTICE GOOD GOVERNANCE (STRATEGY PLAN GOAL 5)

EXECUTIVE BOARD MEETING AND SUPPORT

- Worked with BACWA staff to plan and manage 9/18 Executive Board meeting
- Conducted the Executive Board agenda review with the BACWA Chair
- Continued to track all action items to completion
- Planned and hosted Pardee Technical Seminar

FINANCE:

- Reviewed the monthly BACWA financial reports
- Reviewed and approved invoices
- Updated 5-year plan
- Prepared overview of revenue sources for discussion at Pardee

BACWA STAFFING:

- Provided information to RGS for Classification/Compensation Study
- Worked with Ad Hoc Committee to connect with legal counsel on staffing issues

COMMITTEES:

- Attended dewatering technology O&M Infoshare (9/8)
- Attended BABC (10/5)
- Met with BABC leadership to discuss approach to deep well injection proposed project and involvement with BABC program manager
- Attended Permits Committee (10/13)
- Hosted BACWA/BAWAC joint managers meeting (9/11)

ADMINISTRATION:

- Planned for and conducted monthly BACWA staff meeting to prepare for the Board Meeting and to coordinate and prioritize activities.
- 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.
- Developed and responded to numerous emails and phone calls as part of the conduct of BACWA business on a day-to-day basis.

EXEMPLIFY SERVICE AND RESPONSIVENESS TO MEMBERS AND PUBLIC (STRATEGIC PLAN GOAL 4)

COMMUNICATIONS

- Discussed nutrient outreach and youth engagement tasks with Civic edge
- Worked with RPM in the preparation of the BACWA Bulletin.

PROJECTS OF SPECIAL BENEFIT:

- Finalized MOU for BAAD Engineering Program Manager
- Worked on Work Plan with Engineering Program manager

BACC (BAY AREA CHEMICAL CONSORTIUM)

- Responded to member inquiries

BACWWE (BAY AREA COALITION FOR WATER/WASTEWATER EDUCATION)

- Communicated about next steps with BACWWE Director
- Participated in workgroup meeting

FOSTER COLLABORATION AND RELATIONSHIP BUILDING WITH REGULATORS AND OTHER STAKEHOLDERS (STRATEGIC PLAN GOAL 2)

COLLABORATIONS:

- Attended monthly CASA RWG Biosolids and Water Committee meetings
- Attended monthly CASA ACE meetings
- Met with Air District EPM to discuss process issues
- Met with Alameda County LAFCO reps to discuss recycled water meetings
- Attended Palo Alto Horizontal Levee ribbon cutting
- Spoke on PFAS efforts at CVCWA Annual Meeting (9/16)
- Discussed unsewered toilet solution with Gates Foundation/Trussel collaboration

REGULATORY:

- Attended CASA Air Toxics meetings
- Participated in CASA Pooled Emissions SC meetings
- Met with Summit Partners to discuss info request for statewide PFAS strategy
- Met with R2 staff to discuss engagement on regulatory issues
- Provided PFAS update at WateReuse Norcal chapter meeting (10/16)
- Met with R2 staff to plan joint meeting on 10/26, distributed finalized agenda and reviewed with BACWA vice Chair

ASC (AQUATIC SCIENCE CENTER)/SFEI

- Reviewed materials sent via email by ASC ED
- Attended SFEI/ASC Board meeting (10/2)

ADVOCATE FOR REGULATION BASED ON SCIENCE (STRATEGIC PLAN GOAL 1)

NUTRIENTS:

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

- Met with TFT to discuss trading program next steps and and debrief after workshop
- Met with TFT and R2 staff to discuss trading
- Commented on nutrient reduction efforts at R2 Board meeting (9/13)
- Met with individual agencies to discuss compliance issues
- Conducted meeting with agency finance leads and CMG to discuss approach to rates analysis for Regional Plan (10/13)
- Participated in WRF "Holistic Nutrient Management" Workshop in Denver CO (10/15)
- Hosted NST meeting (10/19)
- Attended monthly NMS PSC meetings
- Finalized Pulse of the Bay article and provided presentation at RMP Annual meeting (10/21)
- Provided information to AECOM to support BPA CEQA Analysis
- Met with Water Board staff to discuss compliance schedule basin plan amendment

RMP:

- Reviewed RMP materials
- Reviewed draft literature review on CEC removal by NDN technology

CALIFORNIA WATER MONITORING COUNCIL

- Discussed subsequent CWQMC meeting with director
- Attended CWQMC meeting (8/27)

PURSUE REGIONAL, MULTI-BENEFIT SOLUTIONS TO ENVIRONMENTAL CHALLENGES (STRATEGIC PLAN GOAL 3)

MULTIBENEFIT PROGRAM ADVOCACY

- Planned next Transforming meeting
- Spoke about nutrient management at Transforming Shorelines meeting (9/29)

REGIONAL SOLUTIONS (EPA GRANT)

- Developed draft RFP for program management support and subawardee agreement
- Met with EPA staff to discuss contracting issues
- Sent draft subawardee agreements to agencies
- Worked with SFEP to discuss admin/project management support
- Discussed BABA waivers with subawardees with MABR pilots
- Interviewed with Bay Curious about recycled water in the region
- Met with AQPI lead to discuss BACWA's role and the MOA with Local Partners

Board Calendar

Nov 2026 to Feb 2027

DATE	AGENDA ITEMS
December 11, 2026 *EBMUD Orinda* *Holiday Lunch*	**Approvals & Authorizations:** • Annual Report • **Policy / Strategic Discussion:** • BACWA Committee Update **Operational:** • FY28 Budget Schedule • **Nutrient Surcharge Scenarios**
January 22, 2026 *Central San*	**Approvals & Authorizations:** • NMS 2nd payment • **Policy / Strategic Discussion:** • BACWA Committee Update • **Operational:** • FY28 Budget Schedule •
February 19, 2026 *EBMUD Downtown*	**Approvals & Authorizations:** • • **Policy / Strategic Discussion:** • BACWA Committee Update • **Operational:** • FY28 Draft Budget • Board Meetings FY28

BACWA BAY AREA CLEAN WATER AGENCIES

BACWA ACTION ITEMS

Number	Item	Task	Responsibiity	Deadline	Status
	Action Items from Sept 18 2026 BACWA Executive Board Meeting		**resp.**	**deadline**	**status**
2026.09.09	Conflict of interest Policy Review	BACWA ED to send policy to Day Carter Murphy for review	ED	11/13/2026	complete
2026.09.10	Extension and increase to contract with LWA for Interim RPM Services	BACWA ED to prepare and share with board a RFQ to meet alternative 2 proposal.	ED	11/13/2026	complete
2026.09.11	SFEI RMP Update	BACWA ED to share SFEI RMP slides with meeting attendees	ED	9/25/2026	complete
2026.09.12	Update on Air District EPM Workplan	BACWA ED to share program updates at next meeting.	ED	11/13/2026	complete
2026.09.13	Trading workshop debrief and next steps	BACWA ED to develop trading advisory group	ED	11/13/2026	complete
2026.09.14	NST meeting agenda	BACWA ED to send out final agenda	ED	11/13/2026	complete
2026.09.15	Agenda for Oct 26 meeting with Water Board	BACWA ED to send out final agenda.	ED	11/13/2026	complete
2026.09.16	AQPI Update	BACWA ED to bring approval to a future meeting	ED		WIP
2026.09.17	Pardee Technical Meeting	BACWA ED to share agenda with attendees before event.	ED	11/13/2026	complete
	Action Items Remaining from Previous BACWA Executive Board Meetings				
2026.08.06	AI Infoshare	BACWA ED would like a list of BACWA agencies working on AI and will start to work on infoshare event.	ED	WIP	
2026.04.36	Incorporation of AQPI as a Project of Special Benefit	BACWA ED to prepare a BAR for June 2026 BACWA Board Meeting to approve AQPI as a new BACWA Project of Special Benefit.	ED	WIP	
2026.08.51	Next meeting with Water Board and September Water Board nutrient overview	Consider venues and opportunities for "in-lieu of Pardee" meeting with Water Board.	ED / AED	WIP	

FY27 16 of 17 Action items are complete
FY26 53 of 55 Action items are complete
FY25: 49 of 49 Action items are complete
FY24: 43 of 43 Action Items are complete
FY23: 58 of 58 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*

Interim Regulatory Program Manager's Report to the Executive Board

August - October 2026

BACWA BULLETIN: Completed and circulated August and November Bulletins.

NUTRIENTS: Participated in meetings and followed up with individual permittees on information requests for the 2025 Group Annual Report; attended in NST meeting; attended Annual RMP meeting; attended TFT pubic webinar; attended Joint RWB / BACWA meeting.

MEMBER SUPPORT: Assisted individual members in responding to SWRCB notification of WWNA draft inadequacy list.

COMMITTEE SUPPORT:

AIR Committee – Participated in August and October meetings.

Asset Management – Assisted in planning in-person September meeting; reviewed meeting notes.

BAPPG – Participated in BAPPG Steering and General Committee meetings in August and the in-person October meeting; participated in monthly Pesticides Workgroup meetings; reviewed two pesticides comment letters and coordinated their submittal with the Workgroup and AED.

Biosolids Coalition – Attended August and October meetings.

Collection Systems – Assisted in planning and attended August and October virtual meetings; prepared meeting notes.

Laboratory – Assisted in planning and attended August and October virtual meetings.

O&M Infoshare – Attended September virtual meeting.

Permits – Assisted in planning and attended August and October virtual meetings; prepared meeting notes. Coordinated with Committees' leadership and with Regional Water Board staff to prepare draft guidance on reporting TST results in CIWQS.

Pretreatment – Assisted in planning and attended September virtual meeting.

Executive Board – Attended BACWA / Regional Water Board Joint Meeting in October and prepared notes; reviewed AED notes from August and September Executive Board meetings.

ADMINISTRATIVE: Email list administration; staff meetings.

BACWA MEETINGS ATTENDED:

BAPPG: General Meeting (8/5, 10/7)
Steering Committee (8/5, 10/7) and
Pesticides Workgroup (8/27, 9/24, 10/22)
Biosolids Coalition (8/10, 10/5)
Permits Committee (8/11, 10/13)
Staff meeting (8/11, 9/9)
Collection Systems (8/13)
Laboratory Committee (8/18, 10/16)
AIR Committee (8/19)
BACWA Executive Board (8/21, 9/18)
O&M Infoshare (9/8)
Pretreatment Committee (9/9)
NST Meeting (10/19)
Joint BACWA / Regional Water Board (10/26)
TFT Update on Trading Program Webinar (10/29)

EXTERNAL EVENTS ATTENDED:

CASA Collection Systems Workgroup (8/13, 9/16)
CASA Wastewater Needs Assessment (8/25, 10/29)
SF Regional Water Board meeting (9/9)
RMP Annual Meeting (10/21)
State Water Board Wastewater Needs Assessment Workgroup (10/30)