



BOARD OF DIRECTORS MEETING

AGENDA

**Monday, April 19, 2021
9:30 AM**

**Due to Shelter in Place Orders, this meeting will be a Zoom Meeting only.
Meeting participants and the public may participate via the following:**

Join Zoom Meeting
<https://us02web.zoom.us/j/82068982789>

Meeting ID: 820 6898 2789
One tap mobile +16699009128, 82068982789# US (San Jose)
Dial in +1 669 900 9128 US (San Jose)
Meeting ID: 820 6898 2789

- 1. Call to Order (1 minute)**
- 2. Roll Call (1 minute)**
- 3. Public Comment (3 minutes)**
(Any member of the public may address the Board at the commencement of the meeting on any matter within the jurisdiction of the Board. This should not relate to any item on the agenda. It is the policy of the Authority that each person addressing the Board limit their presentation to three minutes. Non-English speakers using a translator will have a time limit of six minutes. Any member of the public desiring to provide comments to the Board on an agenda item should do so at the time the item is considered. It is the policy of the Authority that oral comments be limited to three minutes per individual or ten minutes for an organization. Speaker's cards will be available in the Boardroom and are to be completed prior to speaking.)
- 4. Introductions (2 minutes)**
- 5. Board Meeting Minutes of February 22, 2021 (2 minutes)**
(The Board will consider approving the minutes from the February 22, 2021 Board meeting.)

**Action
Pages 3 – 5**

**North Bay Water Reuse Authority • c/o Sonoma County Water Agency, 404 Aviation Boulevard, Santa Rosa, CA 95403
707-235-8965 • NBWRA.org**

County of Marin • Las Gallinas Valley Sanitary District • Novato Sanitary District • Marin Municipal Water District • North Marin Water District • Sonoma County Water Agency
City of Petaluma • Sonoma Valley County Sanitation District • County of Napa • Napa Sanitation District • City of American Canyon

- | | |
|---|---|
| Information and Discussion
Page 6
Pages 7 – 10 | 6. Report from the Chair (5 minutes)
(The Chair will report on items of interest to the Board.)
6.a Subgroup meeting notes from March 8, 2021 meeting |
| Information
Pages 11 – 15 | 7. Consultant Progress Reports (5 minutes)
(The Board will review the consultant progress reports for the periods January - March 2021.) |
| Information
Pages 16 – 32 | 8. Financial Reports for the Fiscal Year Ending June 30, 2021 (5 minutes)
(The Board will review the Financial Report for Fiscal Year Ending June 30, 2021.) |
| Information and Discussion
Pages 33 – 68 | 9. Brief History of NBWRA and Transition to the Future (45 minutes)
(The Board will participate in a discussion of the history of NBWRA and its transition to the future.) |
| Action
Pages 69 – 71 | 10. Approval of Fiscal Year 2021/22 Budget (5 minutes)
(The Board will consider approval of the Fiscal Year 2021/22 Budget.) |
| Action
Page 72 | 11. Approval of Agreement Extensions for Brown and Caldwell for Engineering, Environmental, and Outreach Services and for Weir Technical Services for Program Management Services (5 minutes)
(The Board will consider agreement extensions for Brown and Caldwell and Weir Technical Services.) |
| Information
Page 73 | 12. Phase 1: Status of Reconciliation and Closeout Activities (5 minutes)
(The Board will be updated on Phase 1 status of reconciliation and closeout activities.) |
| Discussion
Pages 74 – 75 | 13. Status of Phase 2 (10 minutes)
(The Board will be updated on the status of the Phase 2 EIR/EIS including possibly adding additional projects.) |
| Discussion
Pages 76 – 79 | 14. WIIN Application Status (5 minutes)
(The Board will be updated on the status of a WIIN Application for Phase 2 projects.) |
| Discussion
Page 80 | 15. Items for the Next Agenda (5 minutes)
(The Board will consider items for the next Agenda.) |
| Discussion | 16. Comments from the Chair, Board, and Member Agencies (5 minutes)
(The Board will discuss items for future discussion and the Chair, Board, or Member Agencies may make brief announcements or reports on their own activities, pose questions for clarification, and/or request that items be placed on a future agenda. Except as authorized by law, no other discussion or action may be taken.) |
| | 17. Adjournment (1 minute) |

Next Board Meeting To be announced

(In compliance with the Americans with Disabilities Act of 1990, if you need special assistance to participate in a Board meeting, or you need a copy of the agenda, or the agenda packet, in an appropriate alternative format, please contact the Program Manager at (510) 410-5923. Notification of at least 48 hours prior to the meeting or time when services are needed will assist in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service. A copy of all the documents constituting the agenda packet is available for public inspection prior to the meeting at 404 Aviation Boulevard, Santa Rosa, CA 95403. Any person may request that a copy of the agenda or the agenda packet be mailed to them for a fee of \$.10 per page plus actual mailing costs. If you wish to request such a mailing, please contact Chuck Weir, Weir Technical Services, 3026 Ferndale Court, Pleasanton, CA 94588, 510-410-5923, chuckweir@sbcglobal.net. The agenda for each meeting is also available on-line at www.nbwra.org and will be available at the meeting.)

North Bay Water Reuse Authority • c/o Sonoma County Water Agency, 404 Aviation Boulevard, Santa Rosa, CA 95403
707-235-8965 • NBWRA.org

North Bay Water Reuse Authority
Board of Directors Meeting
Draft Minutes
February 22, 2021

1. Call to Order

Chair Rabbitt called the meeting to order at 9:33 a.m. on Monday, October 26, 2020. Due to Shelter in Place Orders, this meeting was a Zoom only meeting. Meeting participants and the public participated via the following link: <https://us02web.zoom/j/86781023403>.

2. Roll Call

PRESENT:	David Rabbitt, Chair	Sonoma Water
	Mariam Aboudamous	City of American Canyon
	Jack Baker	North Marin Water District
	Brian Barnacle	City of Petaluma
	Rabi Elias	Las Gallinas Valley Sanitary District
	Jack Gibson	Marin Municipal Water District
	Susan Gorin	Sonoma Valley County Sanitation District
	Sandeep Karkal	Novato Sanitary District
	Dennis Rodoni	Marin County
	Scott Sedgley	Napa Sanitation District
	Pierre Washington	City of American Canyon

ABSENT: None

OTHERS

PRESENT:	Chuck Weir, Program Manager	Weir Technical Services
	Kevin Booker	Sonoma Water
	Jason Beatty	City of Petaluma
	Anne Crealock	Sonoma Water
	Grant Davis	Sonoma Water
	Jim Grossi	North Marin Water District
	Rene Guillen	Brown & Caldwell
	Felix Hernandez	City of American Canyon
	Pam Jeane	Sonoma Water
	Drew McIntyre	North Marin Water District
	Mark Millan	Data Instincts
	Jim O'Toole	ESA
	Larry Russell	Marin Municipal Water District
	Mike Savage	Data Instincts
	Paul Sellier	Marin Municipal Water District
	Brad Sherwood	Sonoma Water
	Jake Spaulding	Sonoma Water
	Dawn Taffler	Kennedy Jenks Consultants
	Chelsea Thompson	City of Petaluma
	Tony Williams	North Marin Water District

3. Public Comments

There were no members of the public.

4. Introductions

For the benefit of new Board members, introductions were made.

5. Board Meeting Minutes of October 26, 2020.

On a motion by Director Gibson, seconded by Director Gorin, the minutes of the October 26, 2020 meeting were approved by the Board by a roll call vote. There were three abstentions.

6. Election of Officers

On a motion by Director Rodoni, Seconded by Director Gorin, to elect David Rabbitt, Sonoma County, as Chair and Belia Ramos, Napa County, as Vice Chair was unanimously approved by a roll call vote.

7. Report from the Chair

Chair Rabbitt summarized the recent meetings of the subgroup and thanked the members for their efforts. He also noted that the next meeting has been scheduled for April 19, 2021 when the FY2021/22 Budget would be considered.

7.a Subgroup meetings of November 4, 2020 and January 21, 2021

The Board reviewed the summaries of the Zoom Meetings.

8. Consultant Progress Reports

The Board reviewed the consultant progress reports for the period October - December 2020.

9. Financial Reports for Fiscal Years Ending June 30, 2020 and June 30, 2021.

The Board reviewed the financial reports for the period ending June 30, 2021. Jake Spaulding discussed the associate member bills for Marin County and indicated that the invoices would go out promptly. The issue should now be resolved.

10. Phase 1: Status of Reconciliation and Closeout Activities

Jake Spaulding gave an update on the reconciliation and close out activities for Phase 1. He noted that the Las Gallinas project continues to have delays due to PG&E and that the project is now 98% completed. Sonoma Water will be asking USBR for a six-month extension to ensure completion of the project before program closeout. Drew McIntyre asked about the schedule for the Phase 1 true up. Jake Spaulding explained how that works for the benefit of the new Board members. He indicated that he and his staff were working on the true up and that it should be completed before the closeout of the project. Director Elias asked if all costs had been accounted for and Jake Spaulding replied that they have. He further stated that there may be some funds left that can be reallocated to the Phase 1 members.

11. Status of Phase 2 EIR/EIS

Jim O'Toole provided an update on the status of the Phase 2 EIR/EIS and noted that there are potential projects that could be available for the Water Infrastructure Improvements for the Nation Act (WIIN) funding and that an addendum could be prepared to make them eligible for WIIN funding. Issues with including Marin County's project are still evolving. SVCSD has updated its pipeline project as noted in the report. Additional information on including Marin

County's project will be discussed at the next Board meeting. Director Gorin spoke in support of SVCSD's project as it will help both the business park and address groundwater issues. Kevin Booker noted that USBR has approved Petaluma's revisions to pipeline locations.

12. WIIN Application Status

Kevin Booker and Rene Guillen met with USBR and have determined that the Feasibility Study can be updated to include the new and revised projects. The funding opportunity announcement is expected within a few months. The Board also reviewed SB45 and the planned Water Bond Coalition conference call to discuss SB45 and other issues.

13. Discussion of Possible New Projects for NBWRA – Groundwater Sustainability, Drought Contingency Plans, and Water Supply Resiliency.

The Program Manager provided an overview of possible additional projects for NBWRA to further efforts at collaboration and leveraging resources. Grant Davis expanded on opportunities and how NBWRA has always positioned itself to be able to act on opportunities. He described past funding opportunities and how they were successful for the member agencies. Board members spoke in support of seeking out new opportunities. Director Barnacle asked how the Board could prepare itself for the discussion at the next meeting. Chelsea Thompson stated that she would reach out to Director Barnacle to discuss potential projects and issues. Chair Rabbitt noted that this would likely require a review of the Memorandum of Understanding. Grant Davis noted that one item of discussion could be water use efficiency and conservation. Mark Millan noted that another update could be on the Napa Drought Contingency Plan. The Subgroup will look at all possibilities and make plans for the April meeting.

14. Items for the Next Agenda

Chair Rabbitt listed the items for the next agenda that will hopefully be back at Novato City Hall. The items will include the regular reports, FY2021/22 Budget, Phase 1 and Phase 2 Status Reports, Phase 2 EIR/EIS addendum and WIIN application status, and a more detailed discussion of potential new projects for NBWRA. Jake Spaulding noted that unlike this year's budget where there were no charges to the member agencies, there will be charges. The size of the budget will depend on additional activities and opportunities that NBWRA chooses to address.

15. Comments from the Chair, Board, and Member Agencies.

There were no comments from the Chair, Board, and Member Agencies. The Program Manager reminded Board members and Alternates to submit their Form 700s to the Sonoma Water.

16. Adjournment

Chair Rabbitt adjourned the meeting at 10:30 a.m. The next meeting will be Monday, April 19, 2021 at 9:30 a.m. at location to be announced. It could be at Novato City Hall or another Zoom meeting depending on Shelter in Place Orders.

Minutes approved by the Board _____.

Charles V. Weir
Program Manager

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
April 19, 2021

ITEM NO. 6 REPORT FROM THE CHAIR

Action Requested

None at this time. The Board should determine the date for the next meeting.

Summary

The Chair will report on items of interest to the Board. Part of the Chair's report includes Agenda Item No. 6.a, Summary of Subgroup Zoom meeting of March 8, 2021.

The next Board meeting has not yet been scheduled pending budget approval and future direction for NBWRA. Options for the next Board meeting include the following:

June 28, 2021 – may be needed for additional budget consideration

July 26, 2021

August 23 or 30, 2021

September 27, 2021

October 25, 2021

Recommendation

None at this time. This is an information item only. The Board should determine the date for the next meeting. It is not yet known whether in person meetings will be allowed.

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
April 19, 2021

ITEM NO. 6.a SUMMARY OF SUBGROUP MEETING OF MARCH 8, 2021

Action Requested

None at this time.

Summary

In keeping with past direction by the Board, a subgroup has been meeting to track the progress of Phase 1 and Phase 2 projects, funding options, and planning for Board meetings. The subgroup met via Zoom on March 8, 2021. A copy of the meeting summary is attached for the Board's information. The subgroup includes Kevin Booker and Jake Spaulding, Sonoma Water; Rene Guillen, Brown & Caldwell; Mark Millan and Mike Savage, Data instincts; and Chuck Weir, Program Manager. Information discussed by the subgroup is covered in the rest of the reports in this agenda packet.

Recommendation

None at this time. This is an information item only.

Attachment

Summary of Subgroup meeting of March 8, 2021.

**NBWRA Subgroup Meeting
Monday, March 8, 2021
1:00 p.m.**

Topics of discussion will include the following

Attendance: Kevin Booker, Jake Spaulding, Grant Davis, Mike Savage, Chuck Weir

1. FY21/22 Budget

a. Maintenance Level

Could possibly go on for a few more months with current funding. B&C agreement has money but not necessarily in the right accounts. Would have to go to Board unless the agreements are no cost extension. Can probably update the FS and handle one grant application. Some discretionary funds available. NBWRA board could approve their use. A bit more than \$100k there. Should be ok if the funds were used to explore branching out into other areas. B&C had about \$30k left in Phase 1. May need to look at language in the agreement to see if there is any flexibility to use in other areas. Updating the FS for new projects is new work.

b. Branch out into other areas (groundwater sustainability, drought contingency plans, water supply resiliency, other issues)
Grant Davis, what is the next generation of NBWRA projects. What should we be preparing for? See items in 5.a. Need to find projects that keep everybody at the table. CVW: nutrients, PFOS/PFAS, acceptance of dry weather runoff. JOT: sea level rise. We tried to push the “One Water” concept a few years ago and it went nowhere. MM – NBWA has embraced the one water concept. NBWA does not do projects. GD: Groundwater recharge. MM: recycled water for groundwater recharge. GD: recycled water for saltwater intrusion. JOT need some federal assistance to help connect the dots. Aim for next meeting to get Board direction to pursue these other projects. Workshop at start of meeting. Need benefit statements and list of agencies that are potentially impacted by the various issues. In a table that may not be included in the PowerPoint to keep it readable. MS lead PowerPoint development.

c. Agreement Extensions (Weir’s ends June 30, 2021 and there is just over \$17k left)
Depends on direction from Board. Jake: have already started the process for this.

2. Marin County

a. Project Cost

Jake still working on this. Almost there. Buy-in fee is almost \$193k. Project size is \$32,160,000, equivalent to Petaluma, 30% of total Phase 2 project. Could also do a smaller project or phase it in. Total P2 costs with big Marin project is \$108M. Timeline would require an update to the FS. Will need to move on WIIN without updating the FS otherwise existing projects could be left out. USBR stated projects must be part of a FS to be eligible for funding. Perhaps amortize the buy-in fee over 2-3 years.

b. Buy in costs
See above.

c. Value of having Marin County in a WIIN application and possibility of waiving a portion of the buy in fees

3. The usual reports on finances, Phase 1, and Phase 2

4. WIIN Application Status (recall that the Board has already authorized submitting an application)

Mike Savage Email sent 3/8/21

<https://cwc.ca.gov/DeterminationRegs>

CA Water Commission

Procedure for Water Infrastructure Improvements for the Nation Act Determination

The Water Infrastructure Improvements for the Nation (WIIN) Act was enacted by Congress on December 16, 2016. The purposes of the WIIN Act include improving water infrastructure across the country. Section 4007 addresses water projects in California and makes funding available to build water storage projects in California. The proposed regulations provide the process for a project proponent to obtain the California Water Commission's determination that the project is consistent with Proposition 1, which was codified as Division 26.7 of the California Water Code and approved by voters in November 2014.

On June 19, 2019, the Commission directed staff to draft regulations that document the Commission's process for making a determination, and to start the formal rulemaking process, including publication of the notice. The draft regulations, Notice of Proposed Rulemaking, and Initial Statement of Reasons are available on this page.

The public comment period for the proposed rulemaking began November 1, 2019. To be considered by the Commission, written comments must be received no later than 5:00 p.m. on December 18, 2019. The Commission will conduct a public hearing in Sacramento on December 18, 2019, at 9:30 a.m. Interested members of the public may present comments orally or in writing at the hearing and may provide comments by postal mail or by electronic submittal before the hearing. The Notice of Proposed Rulemaking below contains additional details about the public hearing and how to provide comments.

*Notice of Proposed Rulemaking
Proposed Regulation
Initial Statement of Reasons
Public Comments Received:*

*Terra Land Group, LLC
Leland Frayseth*

5. Workshop topics

- a. Have agencies report on related projects (this is relatively simple from an NBWRA staff perspective as the work would be done by others)

- i. Napa DCP

Rene, Mike, Mark can give a brief update on this. 3-5 minutes.

- ii. Sonoma Water Overall Water supply issues

Jake check with Kevin, Grant, Jay, Don Seymour, or Pam Jeane. 5 minutes. Update on water supply resiliency.

- iii. Others

History of NBWRA, start, members, phase 1, phase 2 possible future. 5 minutes.

- b. Have the team develop presentations on groundwater sustainability, drought contingency plans, water supply resiliency, other issues (this would require additional effort for the consultants) Ok to proceed See previous discussion too.
 - c. Review history of Phase 1 and Phase 2 for the benefit of new folks as well as serve as a reminder to everyone else (should not require a huge effort from the team) See above.

6. Other Items

I wanted to see if the NBWRA might be interested in joint procurement of distributed energy resources. Both Windsor and Healdsburg have new floating solar projects and Petaluma is looking at this as well. It got me thinking that if the agencies wanted to do something like this, we could potentially get 5%-15% lower prices than if we did it independently. Perhaps we include process efficiency and resilience measures... There might be grants for this we could tap. I know this is not specifically about water reuse, but it certainly fits with the goal "Promote sustainable practices". LMK what you think. Add a slide to the presentation for this.

*Best,
Brian Barnacle*

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
April 19, 2021

ITEM NO. 7 CONSULTANT PROGRESS REPORTS

Action Requested

None at this time.

Summary

The consultant progress reports for the period January - March 2021 are attached for the Board's review. The consultants will be available to answer any questions from the Board.

Recommendation

None at this time. This is an information item only.

Attachment

Consultant Progress Reports for January - March 2021.



AGREEMENT FOR ENGINEERING, ENVIRONMENTAL, AND PUBLIC OUTREACH SERVICES FOR NORTH BAY WATER REUSE AUTHORITY

ACTIVITIES DECEMBER 25, 2020 THROUGH JANUARY 21, 2021

TASK 1 WORKSHOPS/PUBLIC OUTREACH/MGT

1.1 Workshops

- No Activity.

1.3 Public Involvement

- Web updates and distribute timely communications to NBWRA members.

1.4 Administration

- Performed project invoicing and developed activities report.
- Distributed timely communications to NBWRA members.

TASK 2 TITLE XVI FEASIBILITY STUDY/REPORT

- Coordinating on status of remaining work products and potential for development of addendum to the existing feasibility study.
- Reviewed materials of the NBWRA Board Meeting on 10/26.

TASK 3 ENVIRONMENTAL EVALUATION

- Continued discussions on new NBWRP Phase 2 projects, helped develop cost estimates for new potential project.
- Reviewed and updated proposed project descriptions for potential inclusion into feasibility study addendum.
- Reviewed potential projects and existing environmental reporting status for SCWA, Petaluma, and Marin County.
- Attended conference calls addressing potential projects for discussion with NBWRA Agencies

TASK 4 FINANCIAL CAPABILITIES DETERMINATION

- Discussed need to update Financial Capability Analysis Report.
- Reviewed status of the Financial Capability Analysis Report that was sent to USBR on 4/19.

TASK 5 PHASE 2 GRANT APPLICATION AND MANAGEMENT

- No Activity.

TASK 6 PHASE 1 SERVICES

- No Activity.



AGREEMENT FOR ENGINEERING, ENVIRONMENTAL, AND PUBLIC OUTREACH SERVICES FOR NORTH BAY WATER REUSE AUTHORITY

ACTIVITIES JANUARY 22, 2021 THROUGH FEBRUARY 18, 2021

TASK 1 WORKSHOPS/PUBLIC OUTREACH/MGT

1.1 Workshops

- No Activity.

1.3 Public Involvement

- Web updates and distribute timely communications to NBWRA members.

1.4 Administration

- Performed project invoicing and developed activities report.
- Distributed timely communications to NBWRA members.

TASK 2 TITLE XVI FEASIBILITY STUDY/REPORT

- Coordinating on status of remaining work products and potential for development of addendum to the existing feasibility study.
- Reviewed materials for the upcoming NBWRA Board Meeting.
- Attended conference calls to address changes to potential projects.

TASK 3 ENVIRONMENTAL EVALUATION

- Reviewed and updated proposed project descriptions for potential inclusion into feasibility study addendum.
- Reviewed potential environmental reporting considerations for SCWA, Petaluma, and Marin County projects.
- Held conference calls with USBR in regard to new potential projects.

TASK 4 FINANCIAL CAPABILITIES DETERMINATION

- No Activity.

TASK 5 PHASE 2 GRANT APPLICATION AND MANAGEMENT

- No Activity.

TASK 6 PHASE 1 SERVICES

- No Activity.

Weir Technical Services
Program Management Services for North Bay Water Reuse Authority (FY2019/20)
Sonoma County Water Agency Project-Activity Code N0001D034

**February 2021
Progress Report**

2.1 Task 1: Authority Board of Directors (Board) and Technical Advisory Committee (TAC) Meeting Management

- Hosted Zoom meeting with New Petaluma representative to provide background on NBWRA.
- Drafted agenda reports for February 22, 2021 Board meeting and revised based on comments received. Sent to Chair and Vice Chair for review.
- Email communication with Agency staff and consultants regarding agenda reports.
- Completed staff reports for February 22, 2021 Board meeting and sent to Agency staff and consultants for final review. Edited minutes and reports based on comments received.
- Finalized agenda packet for February 22, 2021 Board meeting and sent to distribution list. Requested posting of same on website.
- Prepped for and hosted February 22, 2021 Zoom Board meeting. Discussed next meeting and budget issues with agency staff after meeting.
- Set up Doodle poll for subgroup meeting. Scheduled Zoom meeting for subgroup and cancelled same due to conflicts.
- Drafted February 22, 2021 Board meeting minutes and sent to Agency staff and consultants for review. Revised minutes based on comments received.
- Email communication with consultant regarding new Board members. Searched agency websites for member updates. Updated contact lists.

2.2 Task 2: Financial Management

- Email communication with Agency staff regarding financial reports for Board meeting.
- Updated consultant cost tracking spreadsheet and reconciled costs with Agency trust worksheet.

2.3 Task 3: Project Support and Review

- There was no activity for this task during the reporting period.

2.4 Task 4: Program Planning

- Completed and submitted December 2020 and January 2021 invoices for program management services.

2.5 Task 5: Governance Issues

- There was no activity for this task during the reporting period.

Weir Technical Services
Program Management Services for North Bay Water Reuse Authority (FY2019/20)
Sonoma County Water Agency Project-Activity Code N0001D034

March 2021
Progress Report

2.1 Task 1: Authority Board of Directors (Board) and Technical Advisory Committee (TAC) Meeting Management

- Coordinated Form 700 Filings with Agency staff.
- Revised February 22, 2021 Board meeting minutes based on comments received.
- Scheduled April 19, 2021 Zoom Board meeting, sent Outlook appointment, and monitored responses.
- Sent Doodle poll for subgroup meeting, monitored responses, scheduled, prepped for, and hosted Zoom meeting. Prepared summary notes of meeting and sent to subgroup for review. Modified notes based on comments received.
- Participated in Water Bond & Resiliency Coalitions conference call and reviewed summary of bond.
- Reviewed press releases from outreach consultant. Email communication with member agency and outreach consultant regarding website issues.
- Email communication with Agency staff regarding Conflict of Interest Cost. Located same and emailed to Agency staff.
- Updated contact lists.

2.2 Task 2: Financial Management

- There was no activity for this task during the reporting period.

2.3 Task 3: Project Support and Review

- There was no activity for this task during the reporting period.

2.4 Task 4: Program Planning

- Completed and submitted February 2021 invoice for program management services, and updated accounting files.

2.5 Task 5: Governance Issues

- There was no activity for this task during the reporting period.

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
April 19, 2021

ITEM NO. 8 FINANCIAL REPORTS FOR FISCAL YEAR ENDING JUNE 30, 2021

Action Requested

None at this time.

The following items are attached for the Board's information for Fiscal Year ending June 30, 2021:

- a. Consultant Cost Tracking for FY20/21 through March 31, 2021
- b. FY2020/21 Monthly Project Cost Summary as of March 31, 2021
- c. FY2020/21 Budget Allocations as of March 31, 2021
- d. FY2020/21 Transaction Summaries for Phase 1, Phase 2, Joint Use, and Discretionary as of March 31, 2021
- e. Interest Earned by Fiscal Year

In the Consultant Cost Tracking spreadsheet costs by month are shown by column across the top. Only the most current three months of the fiscal year are shown, but carryover data is included. Total costs are included. Percent remaining is based on the total budget. The rest of the SCWA items are as described above. Through March 31, 2021 all items are tracking normally. Item d., Transaction Summaries includes a spreadsheet to show discretionary expenses not budgeted. Associate member dues are used for these expenses.

Past due invoices for Marin County's Associate Member dues are still processing. Sonoma Water expects to mail them in the coming days.

Recommendation

None at this time.

Attachments

Item No. 8.a – 8.e as described above

North Bay Water Reuse Authority

April 13, 2021

Consultant Cost Tracking

Fiscal Year 2020/21

	Jan-21	Feb-21	Mar-21	FY2019/20 Total	Approved FY2019/20	FY2020/21 YTD	Approved FY2020/21	Prior FY Carryover	Total Available	Amount Remaining
Phase 1 Support										
Grant Applications & Management - B&C	-	-	-	4,342	-	746	-	32,716	32,716	27,629
Total Costs for Phase 1 Support	-	-	-	4,342	-	746	-	32,716	32,716	27,629

Phase 2 Support										
Program Development	-	-	-		-			15,000	15,000	15,000
Federal Advocacy	-	-	-		-			17,500	17,500	17,500
State Advocacy	-	-	-		-			17,500	17,500	17,500
Total Costs for Phase 2 Support	-	-	-		-			50,000		

Phase 2 Feasibility Study										
Engineering Tasks 1 & 5: Mtgs, Admin, Grant Admin, Outreach - B&C	1,409	1,492		40,908	-	14,496	-	75,697	75,697	20,293
Engineering Task 2 Feasibility Study - B&C	2,301	1,371		14,880	-	11,361	-	23,532	23,532	(2,709)
Engineering Tasks 3 & 4, Environmental & Financial Capability - B&C	1,388	1,172		9,941	-	14,980	-	43,329	43,329	18,408
SCWA Administration - Grants and EIR/EIS - SCWA		97	483	21,603	-	5,521	-	28,361	28,361	1,237
Total Costs for Study	5,098	4,131	483	87,332	-	46,358	-	170,919	170,919	83,587
Total Costs for Phase 2	5,098	4,131	483	87,332	-	46,358	-			83,587

Joint Use										
Program Management - Weir	600	2,040	1,120	14,821	-	9,280	-	31,345	31,345	7,244
SCWA Administration	821	5,351	8,314	18,082	-	35,589	-	64,695	64,695	11,024
Total Costs for Joint Use	1,421	7,391	9,434	32,903	-	44,869	-	96,039	96,039	18,268

Total Costs										
Planning, Engineering, and Funding Management - B&C	5,098	4,035	-	70,071	-	41,583	-	175,274	175,274	63,621
Program Management - Weir	600	2,040	1,120	14,821	-	9,280	-	31,345	31,345	7,244
SCWA Administration	821	5,448	8,796	39,685	-	41,109	-	143,055	143,055	62,260
Total Costs for NBWRA	6,519	11,523	9,916	124,577	-	91,972	-	349,674	349,674	133,125

**North Bay Water Reuse Authority
Project Cost Summary
as of March 31, 2021**

<u>TOTAL FY 20/21 PROJECT COSTS</u>							
Project	Consultant	FY 20/21 Budget	FY 19/20 Budget Carryover	Total	Total Expenses in FY 20/21	Remaining Funds	Percent Remaining
Planning, Engineering and Funding Management	Brown & Caldwell	-	155,987.54	155,987.54	37,548.13	118,439.41	75.93%
Program Development and Federal/State Advocacy	B&A/TBD	-	54,238.10	54,238.10	-	54,238.10	100.00%
Program Management	Weir Technical Services	-	24,922.45	24,922.45	8,160.00	16,762.45	67.26%
SCWA Administration	SCWA	-	63,258.47	63,258.47	41,109.48	22,148.99	35.01%
TOTAL BUDGET		\$ -	\$ 298,406.56	\$ 298,406.56	\$ 86,817.61	\$ 211,588.95	70.91%
<u>Phase 1</u>							
Project	Consultant	FY 20/21 Budget	FY 19/20 Budget Carryover	Total	Total Expenses in FY 20/21	Remaining Funds	Percent Remaining
Grant Applications and Management	Brown & Caldwell	-	30,442.26	30,442.26	745.50	29,696.76	97.55%
TOTAL BUDGET		\$ -	\$ 30,442.26	\$ 30,442.26	\$ 745.50	\$ 29,696.76	0.00%
<u>Phase 2 - Support</u>							
Project	Consultant	FY 20/21 Budget	FY 19/20 Budget Carryover	Total	Total Expenses in FY 20/21	Remaining Funds	Percent Remaining
Program Development	TBD	-	18,920.55	18,920.55	-	18,920.55	100.00%
Federal Advocacy	TBD	-	17,817.55	17,817.55	-	17,817.55	100.00%
State Advocacy	TBD	-	17,500.00	17,500.00	-	17,500.00	100.00%
TOTAL BUDGET		\$ -	\$ 54,238.10	\$ 54,238.10	- \$	\$ 54,238.10	100.00%
<u>Phase 2 - Feasibility Study</u>							
Project	Consultant	FY 20/21 Budget	FY 19/20 Budget Carryover	Total	Total Expenses in FY 20/21	Remaining Funds	Percent Remaining
Engineering Tasks 1 & 5: Mtgs, Admin, Grant Admin and Outreach	Brown & Caldwell	-	62,506.92	62,506.92	13,004.18	49,502.74	79.20%
Engineering: Task 2 Feasibility Study	Brown & Caldwell	-	22,025.65	22,025.65	9,990.19	12,035.46	54.64%
Engineering Tasks 3 & 4 : Environmental and Financial Capability	Brown & Caldwell	-	41,012.71	41,012.71	13,808.26	27,204.45	66.33%
SCWA Administration - Grants and EIR/EIS	SCWA	-	26,518.55	26,518.55	5,520.74	20,997.81	79.18%
TOTAL BUDGET		\$ -	\$ 152,063.83	\$ 152,063.83	\$ 42,323.37	\$ 109,740.46	72.17%
<u>Joint Use</u>							
Project	Consultant	FY 20/21 Budget	FY 19/20 Budget Carryover	Total	Total Expenses in FY 19/20	Remaining Funds	Percent Remaining
Program Management	Weir Technical Services	-	24,922.45	24,922.45	8,160.00	16,762.45	67.26%
SCWA Administration	SCWA	-	36,739.92	36,739.92	35,588.74	1,151.18	3.13%
TOTAL BUDGET		\$ -	\$ 61,662.37	\$ 61,662.37	\$ 43,748.74	\$ 17,913.63	29.05%

**North Bay Water Reuse Authority
Project Cost Summary
as of March 31, 2021**

TOTAL FY 20/21 PROJECT COSTS											
Project	Consultant	Original Budget	Carryover	Total Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses in FY 20/21	Remaining	% Avail.
Planning, Engineering and Funding Management	Brown & Caldwell	-	155,987.54	155,987.54					37,548.13	118,439.41	75.93%
Program Development and Federal/State Advocacy	TBD	-	54,238.10	54,238.10					-	54,238.10	100.00%
Program Management	Weir Technical Services	-	24,922.45	24,922.45					8,160.00	16,762.45	67.26%
SCWA Administration	SCWA	-	63,258.47	63,258.47					41,109.48	22,148.99	35.01%
TOTAL BUDGET		\$ -	\$ 298,406.56	\$ 298,406.56	\$ -	\$ -	\$ -	\$ -	\$ 86,817.61	\$ 211,588.95	70.91%
Phase 1											
Project	Consultant	Original Budget	Carryover	Total Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses in FY 20/21	Remaining	% Avail.
Grant Applications and Management	Brown & Caldwell	-	30,442.26	30,442.26					745.50	29,696.76	97.55%
TOTAL BUDGET		\$ -	\$ 30,442.26	\$ 30,442.26	\$ -	\$ -	\$ -	\$ -	\$ 745.50	\$ 29,696.76	0.00%
Phase 2 - Support											
Project	Consultant	Original Budget	Carryover	Total Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses in FY 20/21	Remaining	% Avail.
Program Development	TBD	-	18,920.55	18,920.55					-	18,920.55	100.00%
Federal Advocacy	TBD	-	17,817.55	17,817.55					-	17,817.55	100.00%
State Advocacy	TBD	-	17,500.00	17,500.00					-	17,500.00	100.00%
TOTAL BUDGET		\$ -	\$ 54,238.10	\$ 54,238.10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,238.10	100.00%
*Contract amendment for extension through end of FY 18/19											
Phase 2 - Feasibility Study											
Project	Consultant	Original Budget	Carryover	Total Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses in FY 20/21	Remaining	% Avail.
Engineering Tasks 1 & 5: Mtgs, Admin, Grant Admin and Outreach	Brown & Caldwell	-	62,506.92	62,506.92					13,004.18	49,502.74	79.20%
Engineering: Task 2 Feasibility Study	Brown & Caldwell	-	22,025.65	22,025.65					9,990.19	12,035.46	54.64%
Engineering Tasks 3 & 4 : Environmental and Financial Capability	Brown & Caldwell	-	41,012.71	41,012.71					13,808.26	27,204.45	66.33%
Administration - Grants and EIR/EIS	SCWA	-	26,518.55	26,518.55					5,520.74	20,997.81	79.18%
TOTAL BUDGET		\$ -	\$ 152,063.83	\$ 152,063.83	\$ -	\$ -	\$ -	\$ -	\$ 42,323.37	\$ 109,740.46	72.17%
Joint Use											
Project	Consultant	Original Budget	Carryover	Total Budget	Original Contract	Amend	Total Contract	Uncommitted	Total Expenses in FY 20/21	Remaining	% Avail.
Program Management	Weir Technical Services	-	24,922.45	24,922.45					8,160.00	16,762.45	67.26%
Administration	SCWA	-	36,739.92	36,739.92					35,588.74	1,151.18	3.13%
TOTAL BUDGET		\$ -	\$ 61,662.37	\$ 61,662.37	\$ -	\$ -	\$ -	\$ -	\$ 43,748.74	\$ 17,913.63	29.05%

**North Bay Water Reuse Authority
Project Cost Summary
as of March 31, 2021**

Agreement Rollovers From 19/20 Budget											
Project	Consultant	FY 19/20 Budget	Carryover For FY 19/20	Total Budget	Total Expenses (In Prior Years)	Amend	Remaining Amount	Uncommitted (expired) Amount	Total Expenses in FY 19/20	Remaining	% Avail.
Phase 1:											
Grant Applications and Management - B&C	Brown & Caldwell	-	34,784.26	34,784.26	-	-	-	-	4,342.00	30,442.26	87.52%
Program Development	TBD	-	-	-	-	-	-	-	-	-	0.00%
Federal Advocacy	TBD	-	-	-	-	-	-	-	-	-	0.00%
Phase 2 - Support											
Program Development	TBD	15,000.00	3,920.55	18,920.55	-	-	-	-	-	18,920.55	100.00%
State Advocacy	TBD	17,500.00	317.55	17,817.55	-	-	-	-	-	17,817.55	100.00%
Federal Advocacy	TBD	17,500.00	-	17,500.00	-	-	-	-	-	17,500.00	100.00%
Phase 2 - Feasibility Study											
Engineering Tasks 1 & 5: Mtgs, Admin, Grant Admin and Outreach	Brown & Caldwell	-	104,438.43	104,438.43	-	-	-	-	41,931.51	62,506.92	59.85%
Engineering: Task 2 Feasibility Study	Brown & Caldwell	-	36,905.40	36,905.40	-	-	-	-	14,879.75	22,025.65	59.68%
Engineering Tasks 3 & 4 : Environmental and Financial Capability	Brown & Caldwell	-	50,954.21	50,954.21	-	-	-	-	9,941.50	41,012.71	80.49%
SCWA Administration - Grants and EIR/EIS	SCWA	45,000.00	4,963.62	49,963.62	-	-	-	-	23,446.07	26,517.55	53.07%
Joint Use											
Program Management	Weir Technical Services	-	39,742.96	39,742.96	-	-	-	-	14,820.51	24,922.45	62.71%
SCWA Administration	SCWA	32,500.00	51,544.96	84,044.96	-	-	-	-	47,305.04	36,739.92	113.05%
TOTAL BUDGET		\$ 127,500.00	\$ 327,571.94	\$ 455,071.94	\$ -	\$ -	\$ -	\$ -	\$ 156,666.38	\$ 298,405.56	65.57%

Total FY20/21 Budget for all Phases	-
Rollover From Prior Years	298,406.56
Total	298,406.56

Expenses Incurred in FY 20/21 (Including budget for rollover amounts)	86,817.61
Amount Remaining	211,588.95
Unbudgeted Expenses (Discretionary)	-

Total Charges to NBWR FY 20/21	\$86,817.61
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Uncommitted indicates either a contract has not been issued, an existing contract has not yet been amended per approved NBWRA FY Budgets, or funds have been released from contract.

2020/21 Budget Allocations + Amendments

Phase 1 Support											
	Total Budget	LGVSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon
<i>MOU Percent for Phase 1</i>		7.239%	31.894%	8.611%	27.473%	3.572%	17.640%	3.571%	0.000%	0.000%	0.000%
Grant Applications and Management	\$ -	-	-	-	-	-	-	-	-	-	-
Program Development	\$ -	-	-	-	-	-	-	-	-	-	-
Federal Advocacy	\$ -	-	-	-	-	-	-	-	-	-	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Phase 2 Support											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	LGVSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon
<i>Percent for Phase 2 Support</i>		0.000%	14.286%	14.286%	14.286%	14.286%	0.000%	0.000%	14.286%	14.286%	14.286%
Program Development	\$ -	-	-	-	-	-	-	-	-	-	-
Federal Advocacy	\$ -	-	-	-	-	-	-	-	-	-	-
State Advocacy	\$ -	-	-	-	-	-	-	-	-	-	-
Total	\$ -	\$ -	-	-	-	-	-	-	-	-	-

\$ -

Phase 2 Feasibility Study - Two Years											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	LGVSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon
<i>Percent for Phase Engineering mtgs, etc.</i>		0.000%	14.286%	14.286%	14.286%	14.286%	0.000%	0.000%	14.286%	14.286%	14.286%
Engineering Tasks 1 & 5: Mtgs, Admin, Grant Admin and Outreach	\$ -	-	-	-	-	-	-	-	-	-	-
<i>Percent for Phase 2 Feasibility Study</i>		0.000%	30.303%	21.212%	9.091%	6.061%	0.000%	0.000%	21.212%	3.030%	9.091%
Engineering: Task 2 Feasibility Study	\$ -	-	-	-	-	-	-	-	-	-	-
<i>Percent for Phase 2 EIR/EIS & Final Cap</i>		0.000%	4.225%	8.198%	4.784%	9.962%	0.000%	0.000%	44.009%	10.355%	15.936%
Engineering Tasks 3 & 4: Environmental and Financial Capability	\$ -	-	-	-	-	-	-	-	-	-	-
<i>Percent for Phase 2 SCWA</i>		0.000%	6.059%	14.286%	14.286%	14.286%	0.000%	0.000%	14.286%	14.286%	14.286%
SCWA Administration - Grants and EIR/EIS	\$ -	-	-	-	-	-	-	-	-	-	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Joint Use											
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Total Budget	LGVSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon
<i>Percent for Joint Use</i>		10.000%	10.000%	10.000%	10.000%	10.000%	10.000%	10.000%	10.000%	10.000%	10.000%
Program Management	\$ -	-	-	-	-	-	-	-	-	-	-
SCWA Administration	\$ -	-	-	-	-	-	-	-	-	-	-
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Summary per Agency											
Agency	Total Budget	LGVSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon
Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Associate Member Contributions	\$ 5,000
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Total Billable	\$ 5,000
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North Bay Water Reuse Authority
July 1, 2020 to Date Transaction Summary
as of March 31, 2021
PHASE 1

Item No. 8.d

<u>Date</u>	<u>Description</u>	<u>Amount</u>				<u>Las Gallinas</u>	<u>Napa</u>	<u>Novato</u>	<u>SVCSD</u>	<u>SCWA</u>	<u>North Marin Water Dist.</u>	<u>Napa County</u>
7/1/2020	Beginning Balance	139,046.47	b			15,129.39	50,079.58	13,386.66	23,377.96	5,118.71	31,177.35	5,118.82
10/20/2020	Brown and Caldwell -11381004	(532.50)	p	bc3		(38.55)	(169.84)	(45.85)	(146.29)	(19.02)	(93.93)	(19.02)
2/3/2021	Brown and Caldwell -11394884	(213.00)	p	bc3		(15.42)	(67.93)	(18.34)	(58.52)	(7.61)	(37.57)	(7.61)
						-	-	-	-	-	-	-
						-	-	-	-	-	-	-
Current NBWRA Balance		\$ 138,300.97				\$ 15,075.42	\$ 49,841.81	\$ 13,322.47	\$ 23,173.15	\$ 5,092.08	\$ 31,045.85	\$ 5,092.19
PENDING				bc3		-	-	-	-	-	-	-
Projected Balance		\$ 138,300.97				\$ 15,075.42	\$ 49,841.81	\$ 13,322.47	\$ 23,173.15	\$ 5,092.08	\$ 31,045.85	\$ 5,092.19
						10.90%	36.04%	9.63%	16.76%	3.68%	22.45%	3.68%

Current NBWRA Reconciliation					Current NBWRA Phase 1 Support Reconciliation by Entity							
Beginning Balance	139,046.47	b			15,129.39	50,079.58	13,386.66	23,377.96	5,118.71	31,177.35	5,118.82	
Deposits	-	d			-	-	-	-	-	-	-	-
Interest Earnings	-	i			-	-	-	-	-	-	-	-
Payments	(745.50)	p			(53.97)	(237.77)	(64.19)	(204.81)	(26.63)	(131.50)	(26.63)	
Total:	138,300.97				15,075.42	49,841.81	13,322.47	23,173.15	5,092.08	31,045.85	5,092.19	

Current NBWRA Obligations							
<u>Vendor</u>	<u>Encumbrances</u>		<u>Paid to date</u>	<u>Adjustments</u>	<u>Balance</u>	<u>Expires</u>	<u>% Spent</u>
Grant Applications and Management - (B&C: FY 14/15 - 16/17)	30,442.26	bc3	745.50		29,696.76		2.45%
Grant Applications and Management - (B&C: FY 17/18)	-						
Program Development - (B&A: FY 17/18)	-						
Federal Advocacy (TFG sub) - (B&A: FY 17/18)	-						
Total	30,442.26		745.50	-	29,696.76		2.45%

Carryover from Last FY

North Bay Water Reuse Authority
July 1, 2020 to Date Transaction Summary
as of March 31, 2021
PHASE 2

Item No. 8.d

<u>Date</u>	<u>Description</u>	<u>Amount</u>	<u>Las Galinas</u>	<u>Napa</u>	<u>Novato</u>	<u>SVCS</u>	<u>SCWA</u>	<u>City of Petaluma</u>	<u>Marin Muni. Water Dist.</u>	<u>American Canyon</u>
Phase 2 - Support										
7/1/2020	Beginning Balance	62,225.21 b	647.63	8,835.96	8,834.96	8,835.96	8,839.85	8,835.96	9,021.26	8,373.63
	Current NBWRA Phase 2 - Support Balance	\$ 62,225.21	\$ 647.63	\$ 8,835.96	\$ 8,834.96	\$ 8,835.96	\$ 8,839.85	\$ 8,835.96	\$ 9,021.26	\$ 8,373.63
	PENDING									
	Projected NBWRA Phase 2 - Support Balance	\$ 62,225.21	\$ 647.63	\$ 8,835.96	\$ 8,834.96	\$ 8,835.96	\$ 8,839.85	\$ 8,835.96	\$ 9,021.26	\$ 8,373.63
			1.04%	14.20%	14.20%	14.20%	14.21%	14.20%	14.50%	13.46%
Current NBWRA Phase 2 - Support Reconciliation Totals			Current NBWRA Phase 2 - Support Reconciliation by Entity							
Beginning Balance	62,225.21 b	647.63	8,835.96	8,834.96	8,835.96	8,839.85	8,835.96	9,021.26	8,373.63	
Deposits	- d	-	-	-	-	-	-	-	-	
Interest Earnings	- i	-	-	-	-	-	-	-	-	
Payments	- p	-	-	-	-	-	-	-	-	
Total	\$ 62,225.21	\$ 647.63	\$ 8,835.96	\$ 8,834.96	\$ 8,835.96	\$ 8,839.85	\$ 8,835.96	\$ 9,021.26	\$ 8,373.63	
Current NBWRA Phase 2 - Support Obligations										
<u>Vendor</u>	<u>Encumbrances</u>	<u>Paid to date</u>	<u>Adjustments</u>	<u>Balance</u>	<u>Expires</u>	<u>% Spent</u>				
Phase 2 - Support										
Program Development - (B&A: FY 18/19)	18,920.55	ba1-pd	-	18,920.55		0.00%	Carryover from Last FY			
Federal Advocacy (TFG sub) - (B&A: FY 18/19)	17,817.55	ba1-fa	-	17,817.55		0.00%	Carryover from Last FY			
State Advocacy (TFG sub) - (B&A: FY 18/19)	17,500.00	ba1-sa	-	17,500.00		0.00%				
Program Development - (TBD FY 19/20 - 20/21)	-	ba2-pd	-	-		#DIV/0!				
Federal Advocacy (TFG sub) - (TBD FY 19/20 - 20/21)	-	ba2-fa	-	-		#DIV/0!				
State Advocacy (TFG sub) - (TBD FY 19/20 - 20/21)	-	ba2-sa	-	-		#DIV/0!				
Subtotal	\$ 54,238.10		-	\$ 54,238.10		0.00%				

North Bay Water Reuse Authority
July 1, 2020 to Date Transaction Summary
as of March 31, 2021
PHASE 2

Item No. 8.d

Date	Description	Amount		Las Galinas	Napa	Novato	SVCS	SCWA	City of Petaluma	Marin Muni. Water Dist.	American Canyon.
Phase 2 - Feasibility Study											
Engineering Tasks 1 & 5: Mtgs, Admin, Grant Admin and Outreach											
7/1/2020	Beginning Balance	62,506.92	b	-	8,931.35	8,930.35	8,930.35	8,924.34	8,929.35	8,930.59	8,930.59
10/20/2020	Brown and Caldwell -11385747	(1,887.42)	p bc5	-	(269.63)	(269.63)	(269.63)	(269.64)	(269.63)	(269.63)	(269.63)
10/20/2020	Brown and Caldwell -11381004	(1,576.17)	p bc5	-	(225.17)	(225.17)	(225.17)	(225.15)	(225.17)	(225.17)	(225.17)
10/22/2020	Brown and Caldwell -11382713	(4,215.00)	p bc5	-	(602.14)	(602.14)	(602.14)	(602.16)	(602.14)	(602.14)	(602.14)
12/1/2020	Brown and Caldwell -11388160	(2,352.71)	p bc5	-	(336.10)	(336.10)	(336.10)	(336.11)	(336.10)	(336.10)	(336.10)
1/5/2021	Brown and Caldwell -11390745	(840.75)	p bc5	-	(120.11)	(120.11)	(120.11)	(120.09)	(120.11)	(120.11)	(120.11)
2/3/2021	Brown and Caldwell -11394884	(723.17)	p bc5	-	(103.31)	(103.31)	(103.31)	(103.31)	(103.31)	(103.31)	(103.31)
3/8/2021	Brown and Caldwell -11398397	(1,408.96)	p bc5	-	(201.28)	(201.28)	(201.28)	(201.28)	(201.28)	(201.28)	(201.28)
Current NBWRA Phase 2 - Engineering Tasks 1 & 5: Mtgs, Admin, Grant Admin and Outreach Balance		\$ 49,502.74		\$ -	\$ 7,073.61	\$ 7,072.61	\$ 7,072.61	\$ 7,066.60	\$ 7,071.61	\$ 7,072.85	\$ 7,072.85
PENDING			bc5	-	-	-	-	-	-	-	-
			bc5	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-
Projected NBWRA Phase 2 - Engineering Tasks 1 & 5: Mtgs, Admin, Grant Admin and Outreach Balance		\$ 49,502.74		\$ -	\$ 7,073.61	\$ 7,072.61	\$ 7,072.61	\$ 7,066.60	\$ 7,071.61	\$ 7,072.85	\$ 7,072.85
				0.00%	14.29%	14.29%	14.29%	14.28%	14.29%	14.29%	14.29%
Current NBWRA Phase 2 Feasibility Study Eng Tasks 1 & 5 Reconciliation Totals											
Beginning Balance	62,506.92	b	-	8,931.35	8,930.35	8,930.35	8,924.34	8,929.35	8,930.59	8,930.59	
Deposits	-	d	-	-	-	-	-	-	-	-	
Interest Earnings	-	i	-	-	-	-	-	-	-	-	
Payments	(13,004.18)	p	-	(1,857.74)	(1,857.74)	(1,857.74)	(1,857.74)	(1,857.74)	(1,857.74)	(1,857.74)	
Total		\$ 49,502.74		\$ -	\$ 7,073.61	\$ 7,072.61	\$ 7,072.61	\$ 7,066.60	\$ 7,071.61	\$ 7,072.85	\$ 7,072.85
Current NBWRA Phase 2 - Feasibility Study: Engineering Tasks 1 & 5 Obligations											
Vendor	Encumbrances	Paid to date	Adjustments	Balance	Expires	% Spent					
Phase 2 - Feasibility Study											
Engineering Tasks 1 & 5: Mtgs, Admin, Grant Admin and Outreach:											
Brown & Caldwell: (FY 17/18)		-	bc4	-	-	#DIV/0!	Carryover from Last FY				
Brown & Caldwell: (FY 18/19 - 20/21)		62,506.92	bc5	13,004.18	49,502.74	20.80%	Carryover from Last FY				
Subtotal		\$ 62,506.92		\$ 13,004.18	\$ -	\$ 49,502.74	20.80%				

North Bay Water Reuse Authority
July 1, 2020 to Date Transaction Summary
as of March 31, 2021
PHASE 2

Item No. 8.d

Date	Description	Amount			Las Galinas	Napa	Novato	SVCS	SCWA	City of Petaluma	Marin Muni. Water Dist.	American Canyon
Phase 2 - Feasibility Study												
Engineering: Task 2 Feasibility Study												
7/1/2020	Beginning Balance	22,025.65	b		-	6,674.44	4,672.30	2,002.17	1,334.44	4,672.30	667.83	2,002.17
10/20/2020	Brown and Caldwell -11385747	(2,556.00)	p	bc4	-	(774.54)	(542.18)	(232.37)	(154.91)	(542.18)	(77.45)	(232.37)
10/22/2020	Brown and Caldwell -11382713	(1,537.50)	p	bc4	-	(465.91)	(326.13)	(139.77)	(93.20)	(326.13)	(46.59)	(139.77)
12/1/2020	Brown and Caldwell -11388160	(3,359.63)	p	bc4	-	(1,018.07)	(712.64)	(305.42)	(203.64)	(712.64)	(101.80)	(305.42)
1/5/2021	Brown and Caldwell -11390745	(236.25)	p	bc4	-	(71.59)	(50.11)	(21.48)	(14.32)	(50.11)	(7.16)	(21.48)
3/8/2021	Brown and Caldwell -11398397	(2,300.81)	p	bc4	-	(697.21)	(488.05)	(209.17)	(139.45)	(488.05)	(69.71)	(209.17)
Current NBWRA Phase 2 - Engineering Task 2 Feasibility Study Balance		\$ 12,035.46			\$ -	\$ 3,647.12	\$ 2,553.19	\$ 1,093.96	\$ 728.92	\$ 2,553.19	\$ 365.12	\$ 1,093.96
PENDING												
		-		bc4	-	-	-	-	-	-	-	-
				bc4	-	-	-	-	-	-	-	-
				bc4	-	-	-	-	-	-	-	-
Projected NBWRA Phase 2 - Engineering Task 2 Feasibility Study Balance		\$ 12,035.46			\$ -	\$ 3,647.12	\$ 2,553.19	\$ 1,093.96	\$ 728.92	\$ 2,553.19	\$ 365.12	\$ 1,093.96
					0.00%	30.30%	21.21%	9.09%	6.06%	21.21%	3.03%	9.09%
Current NBWRA Phase 2 Feasibility Study Eng Task 2 Reconciliation Totals					Current NBWRA Phase 2 Feasibility Study Eng Task 2 Reconciliation by Entity							
Beginning Balance		22,025.65	b		-	6,674.44	4,672.30	2,002.17	1,334.44	4,672.30	667.83	2,002.17
Deposits		-	d		-	-	-	-	-	-	-	-
Interest Earnings		-	i		-	-	-	-	-	-	-	-
Payments		(9,990.19)	p		-	(3,027.32)	(2,119.11)	(908.21)	(605.52)	(2,119.11)	(302.71)	(908.21)
Total		\$ 12,035.46			\$ -	\$ 3,647.12	\$ 2,553.19	\$ 1,093.96	\$ 728.92	\$ 2,553.19	\$ 365.12	\$ 1,093.96
Current NBWRA Phase 2 - Feasibility Study: Engineering Task 2 Obligations												
Vendor		Encumbrances			Paid to date		Adjustments	Balance		Expires	% Spent	
Phase 2 - Feasibility Study												
Engineering: Task 2 Feasibility Study:												
Brown & Caldwell: (FY 14/15 - 16/17)					-				#DIV/0!	Carryover from Last FY		
Brown & Caldwell: (FY 18/19)				22,025.65	bc3	-		22,025.65		0.00%	Carryover from Last FY	
Brown & Caldwell: (FY 19/20 - 20/21)				22,025.65	bc4	9,990.19		12,035.46		45.36%	Carryover from Last FY	
Subtotal		\$ 22,025.65			\$ -	\$ -	\$ 22,025.65		0.00%			

North Bay Water Reuse Authority
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as of March 31, 2021
PHASE 2

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<u>Date</u>	<u>Description</u>	<u>Amount</u>	<u>Las Galinas</u>	<u>Napa</u>	<u>Novato</u>	<u>SVCS</u>	<u>SCWA</u>	<u>City of Petaluma</u>	<u>Marin Muni Water Dist.</u>	<u>American Canyon</u>
Phase 2 - Feasibility Study										
Engineering: Tasks 3 & 4 Environmental and Financial Capability										
7/1/2020	Beginning Balance	41,012.71 b	-	2,769.27	3,363.00	1,967.01	4,079.59	18,045.31	4,248.41	6,540.12
10/20/2020	Brown and Caldwell -11385747	(3,780.00) p bc6	-	(255.34)	(309.88)	(180.84)	(376.60)	(1,663.54)	(391.42)	(602.38)
10/20/2020	Brown and Caldwell -11381004	(945.00) p bc6	-	(63.83)	(77.47)	(45.21)	(94.15)	(415.89)	(97.85)	(150.60)
10/22/2020	Brown and Caldwell -11382713	(4,488.75) p bc6	-	(303.22)	(367.99)	(214.74)	(447.21)	(1,975.45)	(464.81)	(715.33)
12/1/2020	Brown and Caldwell -11388160	(118.13) p bc6	-	(7.98)	(9.68)	(5.65)	(11.77)	(51.99)	(12.23)	(18.83)
1/5/2021	Brown and Caldwell -11390745	(2,662.50) p bc6	-	(179.85)	(218.27)	(127.37)	(265.27)	(1,171.74)	(275.70)	(424.30)
2/3/2021	Brown and Caldwell -11394884	(426.00) p bc6	-	(28.78)	(34.92)	(20.38)	(42.44)	(187.48)	(44.11)	(67.89)
3/8/2021	Brown and Caldwell -11398397	(1,387.88) p bc6	-	(93.75)	(113.78)	(66.40)	(138.28)	(610.79)	(143.71)	(221.17)
Current NBWRA Phase 2 - Engineering Tasks 3 & 4 Environmental and Financial Capability Balance		\$ 27,204.45	\$ -	\$ 1,836.52	\$ 2,231.01	\$ 1,306.42	\$ 2,703.87	\$ 11,968.43	\$ 2,818.58	\$ 4,339.62
PENDING										
		bc6	-	-	-	-	-	-	-	-
		bc6	-	-	-	-	-	-	-	-
		bc6	-	-	-	-	-	-	-	-
Projected NBWRA Phase 2 - Engineering Tasks 3 & 4 Environmental and Financial Capability Balance		\$ 27,204.45	\$ -	\$ 1,836.52	\$ 2,231.01	\$ 1,306.42	\$ 2,703.87	\$ 11,968.43	\$ 2,818.58	\$ 4,339.62
			0.00%	6.75%	8.20%	4.80%	9.94%	43.99%	10.36%	15.95%
Current NBWRA Phase 2 Feasibility Study Eng Tasks 3 & 4 Reconciliation Totals										
Beginning Balance	41,012.71	b	-	2,769.27	3,363.00	1,967.01	4,079.59	18,045.31	4,248.41	6,540.12
Deposits	-	d	-	-	-	-	-	-	-	-
Interest Earnings	-	i	-	-	-	-	-	-	-	-
Payments	(13,808.26)	p	-	(932.75)	(1,131.99)	(660.59)	(1,375.72)	(6,076.88)	(1,429.83)	(2,200.50)
Total	\$ 27,204.45		\$ -	\$ 1,836.52	\$ 2,231.01	\$ 1,306.42	\$ 2,703.87	\$ 11,968.43	\$ 2,818.58	\$ 4,339.62
Current NBWRA Phase 2 - Feasibility Study: Engineering Tasks 3 & 4 Obligations										
Phase 2 - Feasibility Study										
Engineering: Tasks 3 & 4: Environmental and Financial Capability:										
Vendor	Encumbrances	Paid to date	Adjustments	Balance	Expires	% Spent				
Brown & Caldwell: (FY 14/15 - 16/17)	- bc3	-	-	-	#DIV/0!		Carryover from Last FY			
Brown & Caldwell: (FY 18/19)	- bc5	-	-	-	#DIV/0!		Carryover from Last FY			
Brown & Caldwell: (FY 19/20)	41,012.71 bc6	13,808.26	-	27,204.45	33.67%		Carryover from Last FY			
Subtotal	\$ -	\$ -	\$ -	\$ -	#DIV/0!					

North Bay Water Reuse Authority
July 1, 2020 to Date Transaction Summary
as of March 31, 2021
PHASE 2

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Date	Description	Amount	Las Galinas	Napa	Novato	SVCS	SCWA	City of Petaluma	Marin Muni. Water Dist.	American Canyon			
Phase 2 - Feasibility Study													
SCWA Administration - Grants and EIR/EIS:													
7/1/2020	Beginning Balance	26,518.55	b	-	400.07	1,049.07	(486.93)	1,843.85	17,164.07	2,018.21	4,530.21		
8/4/2020	Salary/Assn Chgs Applied - N2	(1,060.42)	p	a7	-(151.49)	(151.49)	(151.49)	(151.48)	(151.49)	(151.49)	(151.49)		
9/3/2020	Salary/Assn Chgs Applied - N2	(384.64)	p	a7	-(54.95)	(54.95)	(54.95)	(54.94)	(54.95)	(54.95)	(54.95)		
10/30/2020	Salary/Assn Chgs Applied - N2	(1,153.47)	p	a7	-(164.78)	(164.78)	(164.78)	(164.79)	(164.78)	(164.78)	(164.78)		
11/17/2020	Salary/Assn Chgs Applied - N2	(431.48)	p	a7	-(61.64)	(61.64)	(61.64)	(61.64)	(61.64)	(61.64)	(61.64)		
11/17/2020	Salary/Assn Chgs Applied - N5	(578.95)	p	a7	-(82.71)	(82.71)	(82.71)	(82.69)	(82.71)	(82.71)	(82.71)		
12/1/2020	Salary/Assn Chgs Applied - N2	(384.84)	p	a7	-(54.98)	(54.98)	(54.98)	(54.96)	(54.98)	(54.98)	(54.98)		
12/10/2020	Salary/Assn Chgs Applied - N2	(460.79)	p	a7	-(65.83)	(65.83)	(65.83)	(65.81)	(65.83)	(65.83)	(65.83)		
12/23/2020	Salary/Assn Chgs Applied - N2	(486.90)	p	a7	-(69.56)	(69.56)	(69.56)	(69.54)	(69.56)	(69.56)	(69.56)		
2/18/2021	Salary/Assn Chgs Applied - N5	(96.55)	p	a7	-(13.79)	(13.79)	(13.79)	(13.81)	(13.79)	(13.79)	(13.79)		
3/18/2021	Salary/Assn Chgs Applied - N5	(482.70)	p	a7	-(68.96)	(68.96)	(68.96)	(68.94)	(68.96)	(68.96)	(68.96)		
Current NBWRA Phase 2 - SCWA Administration and EIR/EIS			\$	20,997.81	\$	-	\$ (388.62)	\$ 260.38	\$ (1,275.62)	\$ 1,055.25	\$ 16,375.38	\$ 1,229.52	\$ 3,741.52
PENDING													
Projected NBWRA Phase 2 - SCWA Administration and EIR/EIS			\$	20,997.81	\$	-	\$ (388.62)	\$ 260.38	\$ (1,275.62)	\$ 1,055.25	\$ 16,375.38	\$ 1,229.52	\$ 3,741.52
			0.00% -1.85% 1.24% -6.08% 5.03% 77.99% 5.86% 17.82%										
Current NBWRA Phase 2 Feasibility Study SCWA Administration - Grants and EIR/EIS Reconciliation Totals				Current NBWRA Phase 2 Feasibility Study SCWA Administration - Grants and EIR/EIS Reconciliation by Entity									
Beginning Balance	26,518.55	b	-	400.07	1,049.07	(486.93)	1,843.85	17,164.07	2,018.21	4,530.21			
Deposits	-	d	-	-	-	-	-	-	-	-			
Interest Earnings	-	i	-	-	-	-	-	-	-	-			
Payments	(5,520.74)	p	-	(788.69)	(788.69)	(788.69)	(788.60)	(788.69)	(788.69)	(788.69)			
Total			\$	20,997.81	\$	-	\$ (388.62)	\$ 260.38	\$ (1,275.62)	\$ 1,055.25	\$ 16,375.38	\$ 1,229.52	\$ 3,741.52
Current NBWRA Phase 2 - Feasibility Study: SCWA Administration - Grants and EIR/EIS Obligations													
Vendor		Encumbrances		Paid to date		Adjustments		Balance		Expires		% Spent	
Phase 2 - Feasibility Study													
SCWA Administration - Grants and EIR/EIS:													
SCWA: (FY 18/19)		-	a5	-	-	-	#DIV/0!	Carryover from Last FY					
SCWA: (FY 19/20)		-	a6	-	-	-	#DIV/0!	Carryover from Last FY					
SCWA: (FY 20/21)		26,518.55	a7	5,520.74	20,997.81	-	20.82%	Carryover from Last FY					
Subtotal		\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!						
Phase 2 Feasibility Study Balance Totals													
Current NBWRA Phase 2 - Feasibility Study Balance		109,740.46	-	12,168.63	12,117.19	8,197.37	11,554.64	37,968.61	11,486.07	16,247.95			
Projected NBWRA Phase 2 - Feasibility Study Balance		109,740.46	-	12,168.63	12,117.19	8,197.37	11,554.64	37,968.61	11,486.07	16,247.95			
*Projected Balance includes all pending transactions													

North Bay Water Reuse Authority
July 1, 2020 to Date Transaction Summary
as of March 31, 2021
PHASE 2

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Date	Description	Amount	Las Galinas	Napa	Novato	SVCS	SCWA	City of Petaluma	Marin Muni. Water Dist.	American Canyon
Summary										
Phase 2 Support & Feasibility Study Balance Totals										
	Current NBWRA Phase 2 Balance	171,965.67	647.63	21,004.59	20,952.15	17,033.33	20,394.49	46,804.57	20,507.33	24,621.58
	Projected NBWRA Phase 2 Balance	171,965.67	647.63	21,004.59	20,952.15	17,033.33	20,394.49	46,804.57	20,507.33	24,621.58
Current NBWRA Phase 2 - Support & Feasibility Study Reconciliation Totals										
Beginning Balance	214,289.04	b	647.63	27,611.09	26,849.68	21,248.56	25,022.07	57,646.99	24,886.30	30,376.72
Deposits	-	d	-	-	-	-	-	-	-	-
Interest Earnings	-	i	-	-	-	-	-	-	-	-
Payments	(42,323.37)	p	-	(6,606.50)	(5,897.53)	(4,215.23)	(4,627.58)	(10,842.42)	(4,378.97)	(5,755.14)
	Totals	171,965.67	647.63	21,004.59	20,952.15	17,033.33	20,394.49	46,804.57	20,507.33	24,621.58
NBWRA Phase 2 - Support & Feasibility Study Total Obligations										
Vendor	Encumbrances	Paid to date	Adjustments	Balance	Expires	% Spent				
Phase 2 - Support & Feasibility Study Totals										
Program Development - (B&A: FY 18/19)	18,920.55	ba1-pd	-	18,920.55		0.00%				
Federal Advocacy (TFG sub) - (B&A: FY 18/19)	17,817.55	ba1-fa	-	17,817.55		0.00%				
State Advocacy (TFG sub) - (B&A: FY 18/19)	17,500.00	ba1-sa	-	17,500.00		0.00%				
Program Development - (TBD FY 19/20)	-	ba2-pd	-	-		#DIV/0!				
Federal Advocacy (TFG sub) - (TBD FY 19/20)	-	ba2-fa	-	-		#DIV/0!				
State Advocacy (TFG sub) - (TBD FY 19/20)	-	ba2-sa	-	-		#DIV/0!				
Brown & Caldwell: (FY 14/15 - 16/17)	-	bc3	-	-		#DIV/0!				
Brown & Caldwell: (FY 17/18)	-	bc4	-	-		0.00%				
Brown & Caldwell: (FY 18/19)	62,506.92	bc5	13,004.18	49,502.74		20.80%				
SCWA: (FY 18/19)	-	a5	-	-		#DIV/0!				
SCWA: (FY 19/20)	-	a6	-	-		#DIV/0!				
	Subtotal \$	116,745.02	\$	13,004.18	\$	-	\$	103,740.84	11.14%	
*Projected Balance includes all pending transactions										

*Projected Balance includes all pending transactions

North Bay Water Reuse Authority
July 1, 2020 to Date Transaction Summary
as of March 31, 2021
JOINT USE

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Date	Description	Amount		Las Gallinas	Napa	Novato	SVCSD	SCWA	North Marin Water Dist.	Napa County	City of Petaluma	Marin Muni Water Dist.	American Canyon
7/1/2020	Beginning Balance	69,244.66		6,230.62	9,480.62	9,480.62	9,480.62	9,480.49	9,480.62	9,480.62	5,770.75	179.85	179.85
8/4/2020	Salary/Assn Chgs Applied	(1,251.88)	p a7	(125.19)	(125.19)	(125.19)	(125.19)	(125.17)	(125.19)	(125.19)	(125.19)	(125.19)	(125.19)
8/7/2020	Salary/Assn Chgs Applied	(2,410.55)	p a7	(241.06)	(241.06)	(241.06)	(241.06)	(241.01)	(241.06)	(241.06)	(241.06)	(241.06)	(241.06)
8/17/2020	Weir Technical Services SCWA_07-20	(1,080.00)	p w4	(108.00)	(108.00)	(108.00)	(108.00)	(108.00)	(108.00)	(108.00)	(108.00)	(108.00)	(108.00)
8/21/2020	Salary/Assn Chgs Applied	(1,606.34)	p a7	(160.63)	(160.63)	(160.63)	(160.63)	(160.67)	(160.63)	(160.63)	(160.63)	(160.63)	(160.63)
9/3/2020	Salary/Assn Chgs Applied	(3,498.77)	p a7	(349.88)	(349.88)	(349.88)	(349.88)	(349.85)	(349.88)	(349.88)	(349.88)	(349.88)	(349.88)
9/10/2020	Weir Technical Services SCWA_08-20	(800.00)	p w4	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)
9/17/2020	Salary/Assn Chgs Applied	(1,994.85)	p a7	(199.49)	(199.49)	(199.49)	(199.49)	(199.44)	(199.49)	(199.49)	(199.49)	(199.49)	(199.49)
10/1/2020	Salary/Assn Chgs Applied	(411.28)	p a7	(41.13)	(41.13)	(41.13)	(41.13)	(41.11)	(41.13)	(41.13)	(41.13)	(41.13)	(41.13)
10/15/2020	Salary/Assn Chgs Applied	(911.41)	p a7	(91.14)	(91.14)	(91.14)	(91.14)	(91.15)	(91.14)	(91.14)	(91.14)	(91.14)	(91.14)
10/16/2020	Weir Technical Services SCWA_09-20	(520.00)	p w4	(52.00)	(52.00)	(52.00)	(52.00)	(52.00)	(52.00)	(52.00)	(52.00)	(52.00)	(52.00)
10/23/2020	County Counsel	(552.00)	p a7	(55.20)	(55.20)	(55.20)	(55.20)	(55.20)	(55.20)	(55.20)	(55.20)	(55.20)	(55.20)
10/30/2020	Salary/Assn Chgs Applied	(1,684.73)	p a7	(168.47)	(168.47)	(168.47)	(168.47)	(168.50)	(168.47)	(168.47)	(168.47)	(168.47)	(168.47)
11/9/2020	Weir Technical Services SCWA_10-20	(2,760.00)	p w4	(276.00)	(276.00)	(276.00)	(276.00)	(276.00)	(276.00)	(276.00)	(276.00)	(276.00)	(276.00)
11/17/2020	Salary/Assn Chgs Applied	(2,783.21)	p a7	(278.32)	(278.32)	(278.32)	(278.32)	(278.33)	(278.32)	(278.32)	(278.32)	(278.32)	(278.32)
12/1/2020	Salary/Assn Chgs Applied	(1,991.33)	p a7	(199.13)	(199.13)	(199.13)	(199.13)	(199.16)	(199.13)	(199.13)	(199.13)	(199.13)	(199.13)
12/10/2020	Salary/Assn Chgs Applied	(1,148.46)	p a7	(114.85)	(114.85)	(114.85)	(114.85)	(114.81)	(114.85)	(114.85)	(114.85)	(114.85)	(114.85)
12/23/2020	Salary/Assn Chgs Applied	(857.54)	p a7	(85.75)	(85.75)	(85.75)	(85.75)	(85.79)	(85.75)	(85.75)	(85.75)	(85.75)	(85.75)
1/5/2021	Weir Technical Services SCWA_11-20	(280.00)	p w4	(28.00)	(28.00)	(28.00)	(28.00)	(28.00)	(28.00)	(28.00)	(28.00)	(28.00)	(28.00)
1/8/2021	Salary/Assn Chgs Applied	(339.42)	p a7	(33.94)	(33.94)	(33.94)	(33.94)	(33.96)	(33.94)	(33.94)	(33.94)	(33.94)	(33.94)
1/22/2021	Salary/Assn Chgs Applied	(482.01)	p a7	(48.20)	(48.20)	(48.20)	(48.20)	(48.21)	(48.20)	(48.20)	(48.20)	(48.20)	(48.20)
2/4/2021	Salary/Assn Chgs Applied	(2,074.70)	p a7	(207.47)	(207.47)	(207.47)	(207.47)	(207.47)	(207.47)	(207.47)	(207.47)	(207.47)	(207.47)
2/18/2021	Salary/Assn Chgs Applied	(3,276.67)	p a7	(327.67)	(327.67)	(327.67)	(327.67)	(327.64)	(327.67)	(327.67)	(327.67)	(327.67)	(327.67)
2/22/2021	Weir Technical Services SCWA_12-20	(800.00)	p w4	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)	(80.00)
2/22/2021	Weir Technical Services SCWA_1-21	(600.00)	p w4	(60.00)	(60.00)	(60.00)	(60.00)	(60.00)	(60.00)	(60.00)	(60.00)	(60.00)	(60.00)
3/18/2021	Salary/Assn Chgs Applied	(8,313.59)	p a7	(831.36)	(831.36)	(831.36)	(831.36)	(831.35)	(831.36)	(831.36)	(831.36)	(831.36)	(831.36)
3/24/2021	Weir Technical Services SCWA_2-21	(2,040.00)	p w4	(204.00)	(204.00)	(204.00)	(204.00)	(204.00)	(204.00)	(204.00)	(204.00)	(204.00)	(204.00)
Current NBWRA Balance \$				\$ 1,855.74	\$ 5,105.74	\$ 5,105.74	\$ 5,105.74	\$ 5,105.67	\$ 5,105.74	\$ 5,105.74	\$ 1,395.87	\$ (4,195.03)	\$ (4,195.03)
PENDING				-	-	-	-	-	-	-	-	-	-
Projected Balance \$				\$ 1,855.74	\$ 5,105.74	\$ 5,105.74	\$ 5,105.74	\$ 5,105.67	\$ 5,105.74	\$ 5,105.74	\$ 1,395.87	\$ (4,195.03)	\$ (4,195.03)
				7.28%	20.03%	20.03%	20.03%	20.03%	20.03%	20.03%	5.47%	-16.45%	-16.45%
Current NBWRA Reconciliation				Current NBWRA Joint Use Reconciliation by Entity									
Beginning Balance	-	b		-	-	-	-	-	-	-	-	-	-
Deposits	-	d		-	-	-	-	-	-	-	-	-	-
Interest Earnings	-	i		-	-	-	-	-	-	-	-	-	-
Payments	(43,748.74)	p		(4,374.88)	(4,374.88)	(4,374.88)	(4,374.88)	(4,374.82)	(4,374.88)	(4,374.88)	(4,374.88)	(4,374.88)	(4,374.88)
Total:	(43,748.74)			(4,374.88)	(4,374.88)	(4,374.88)	(4,374.88)	(4,374.82)	(4,374.88)	(4,374.88)	(4,374.88)	(4,374.88)	(4,374.88)
Current NBWRA Obligations													
Vendor	Encumbrances			Paid to date	Adjustments	Balance	Expires	% Spent					
Program Mangement - (Weir : FY 14/15 - 16/17)	-	w3		-	-	-	-	0.00%	Carryover from Last FY				
Program Mangement - (Weir : FY 17/18 - 20/21)	24,922.45	w4		8,160.00	-	16,762.45	-	32.74%	Carryover from Last FY				
SCWA Administration - (SCWA : FY 17/18)	-	a4		-	-	-	-	0.00%	Carryover from Last FY				
SCWA Administration - (SCWA : FY 18/19)	-	a5		-	-	-	-	0.00%					
SCWA Administration - (SCWA : FY 19/20)	-	a6		-	-	-	-	0.00%					
SCWA Administration - (SCWA : FY 20/21)	36,739.92	a7		35,588.74	-	1,151.18	-	96.87%	Carryover from Last FY				
Total	61,662.37			8,160.00	-	16,762.45	-	13.23%					

North Bay Water Reuse Authority
July 1, 2020 to Date Transaction Summary
as of March 31, 2021
Discretionary

Item No. 8.d

<u>Date</u>	<u>Description</u>	<u>Amount</u>	
7/1/2020	Beginning Balance	51,639.50	b
			p
			p
			p
Current NBWRA Balance		51,639.50	
PENDING			
	Marin County Associate Member Fee 18/19	5,000.00	
	Marin County Associate Member Fee 19/20	5,000.00	
	Marin County Associate Member Fee 20/21	5,000.00	
Projected Balance		66,639.50	

Current NBWRA Reconciliation			
Beginning Balance	51,639.50	b	
Deposits	-	d	
Interest Earnings	-	i	
Payments	-	p	
Balance	51,639.50		

<u>Combined</u>	<u>Marin Muni Water Dist.</u>	<u>Marin County</u>	<u>City of American Canyon</u>
51,639.50	21,884.62	20,000.00	15,000.00
-			
-			
-			
51,639.50	-	21,884.62	20,000.00
-			
51,639.50	-	21,884.62	20,000.00
	MMWD	Marin County	AM

Current NBWRA Joint Use Reconciliation by Entity				
51,639.50	21,884.62	20,000.00	15,000.00	
-	-	-	-	
-	-	-	-	
-	-	-	-	
51,639.50	-	21,884.62	20,000.00	15,000.00

NBWRA Obligations						
<u>Vendor</u>	<u>Encumbrances</u>		<u>Paid to date</u>	<u>Adjustments</u>	<u>Balance</u>	<u>% Spent</u>
<u>N/A</u>						
Total	-		-	-	-	
<u>Project</u>	<u>Unencumbered</u>		<u>Spent</u>	<u>Misc.</u>	<u>Balance</u>	<u>% Spent</u>
Admin Agency Services (Unallocated)	-	ua	-	-	-	0%
Admin Agency Services (Room Rental)	-	rr	-	-	-	0%
Federal Congressional Tour	-	ft	-	-	-	0%
State Congressional Tour	-	st	-	-	-	0%
Total	-		-	-	-	
Miscellaneous Expenses		m	-			
	<u>Scheduled costs</u>		<u>Expenses</u>	<u>Adjustments</u>	<u>Balance</u>	<u>% Spent</u>
Total	-		-	-	-	0%

Interest
North Bay Water Reuse Authority
as of March 31, 2021

FY2013/2014

Period	Date Posted	Amount
1st Quarter	10/15/2013	\$ 1,335.43
2nd Quarter	1/15/2014	\$ 1,445.77
3rd Quarter	4/16/2014	\$ 1,034.70
4th Quarter	7/16/2014	\$ 590.63
Total		\$ 4,406.53

FY2014/2015

Period	Date Posted	Amount
1st Quarter	10/15/2014	\$ 1,849.53
2nd Quarter	1/15/2015	\$ 2,430.25
3rd Quarter	4/16/2015	\$ 2,256.57
4th Quarter	7/15/2015	\$ 1,682.38
Total		\$ 8,218.73

FY2015/2016

Period	Date Posted	Amount
1st Quarter	10/15/2015	\$ 1,631.68
2nd Quarter	1/15/2016	\$ 3,371.28
3rd Quarter	4/15/2016	\$ 3,509.54
4th Quarter	7/15/2016	\$ 3,407.03
Total		\$ 11,919.53

FY2016/2017

Period	Date Posted	Amount
1st Quarter	10/14/2016	\$ 4,111.97
2nd Quarter	1/13/2017	\$ 5,277.04
3rd Quarter	4/14/2017	\$ 5,383.46
4th Quarter	7/14/2017	\$ 5,766.27
Total		\$ 20,538.74

FY2017/2018

Period	Date Posted	Amount
1st Quarter	10/17/2017	\$ 5,909.98
2nd Quarter	1/12/2018	\$ 7,669.67
3rd Quarter	4/13/2018	\$ 6,628.28
4th Quarter	7/13/2018	\$ 6,146.03
Total		\$ 26,353.96

Interest
North Bay Water Reuse Authority
as of March 31, 2021
FY2018/2019

Period	Date Posted	Amount
1st Quarter	10/15/2018	\$ 5,512.88
2nd Quarter	1/15/2019	\$ 6,454.76
3rd Quarter	4/12/2019	\$ 7,728.98
4th Quarter	7/12/2019	\$ 7,205.96
Total		\$ 26,902.58

FY2019/2020

Period	Date Posted	Amount
1st Quarter	10/11/2019	\$ 6,387.63
2nd Quarter	1/10/2020	\$ 5,694.80
3rd Quarter	4/9/2020	\$ 5,477.49
4th Quarter	7/15/2020	\$ 4,828.69
Total		\$ 22,388.61

FY2020/2021

Period	Date Posted	Amount
1st Quarter	10/13/2020	\$ 3,246.60
2nd Quarter	1/15/2021	\$ 2,101.72
3rd Quarter		\$ -
4th Quarter		\$ -
Total		\$ 5,348.32

Balance

	Amount
	\$ 126,077.00
Transfer to JU	\$ (60,000.00)
Total	\$ 66,077.00

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
April 19, 2021

ITEM NO. 9 BRIEF HISTORY OF NBWRA AND TRANSITION TO THE FUTURE**Action Requested**

None at this time. The Board should provide direction to the subgroup for budget and planning purposes.

The subgroup has prepared a PowerPoint presentation, copy attached, to provide the Board with a brief history of NBWRA and transition to the future. The presentation includes possible new areas of interest related to water that could benefit from NBWRA's collaborative approach.

Based on the success of the NBWRA – it should be possible to expand beyond recycled water to fully utilize all waters in the North Bay. The visibility, positive reputation, regional perspective, and funding success of NBWRA can be leveraged to expand the range of benefits and the range of beneficiaries in the North Bay region.

Recommendation

Based on input from the Board and TAC the subgroup could conduct follow up meetings with NBWRA members to identify what the NBWRA needs are, tasks to consider supporting, potential costs, and how to best serve its members into the future.

Attachment

PowerPoint presentation Brief History of NBWRA and Transition to the Future.

Brief History of NBWRA and Transition to the Future

Agenda Item No. 9



Discussion Topics

- 💧 History of NBWRA
- 💧 NBWRA Success
- 💧 What's Next for NBWRA?
- 💧 Next Steps



History of NBWRA

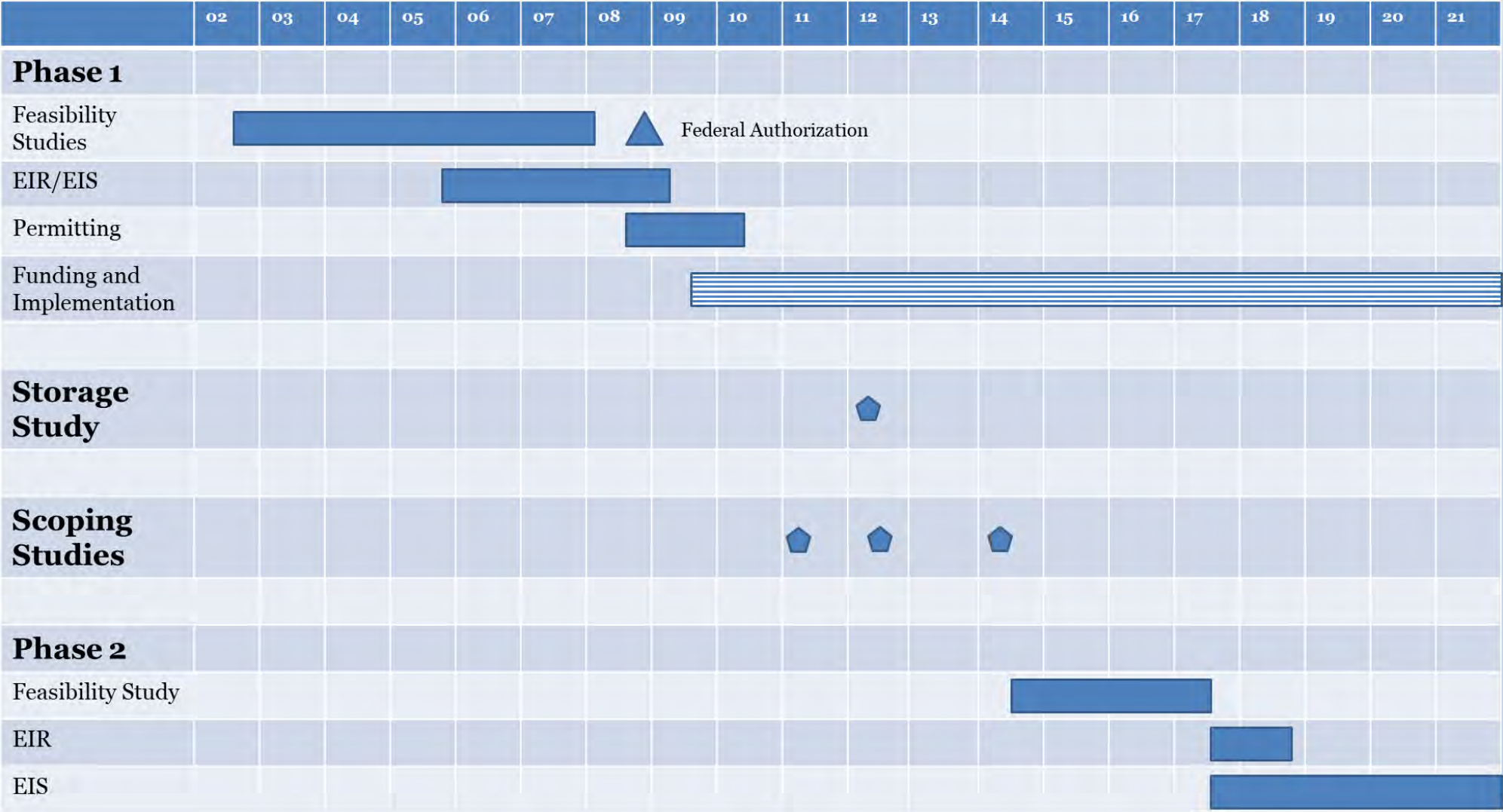


NBWRA Includes a Variety of Agencies Working Together to Meet Common Goals

- **Wastewater Agencies**
 - Las Gallinas Valley Sanitary District
 - Novato Sanitary District
 - Napa Sanitation District
 - Sonoma Valley County Sanitation District
- **Water Agencies**
 - North Marin Water District
 - Marin Municipal Water District
 - Sonoma Water
- **Counties**
 - County of Marin
 - Napa County
- **Cities**
 - City of Petaluma
 - City of American Canyon



NBWRA Has Spanned 19 Years of Cooperation



The NBWRA Process Overcame Challenges

- 💧 Developing a shared vision
- 💧 Maintaining agency engagement
- 💧 Discussions of organizational structure (MOU versus JPA)
- 💧 Costs commensurate to the benefits received by each agency
- 💧 Phase 1 simple
- 💧 Phase 2 more challenging
- 💧 Incorporating new agencies into the NBWRA
- 💧 Accelerating planning/environmental schedules to meet funding opportunities



- WW Treatment Plant upgrades
- Landscape irrigation

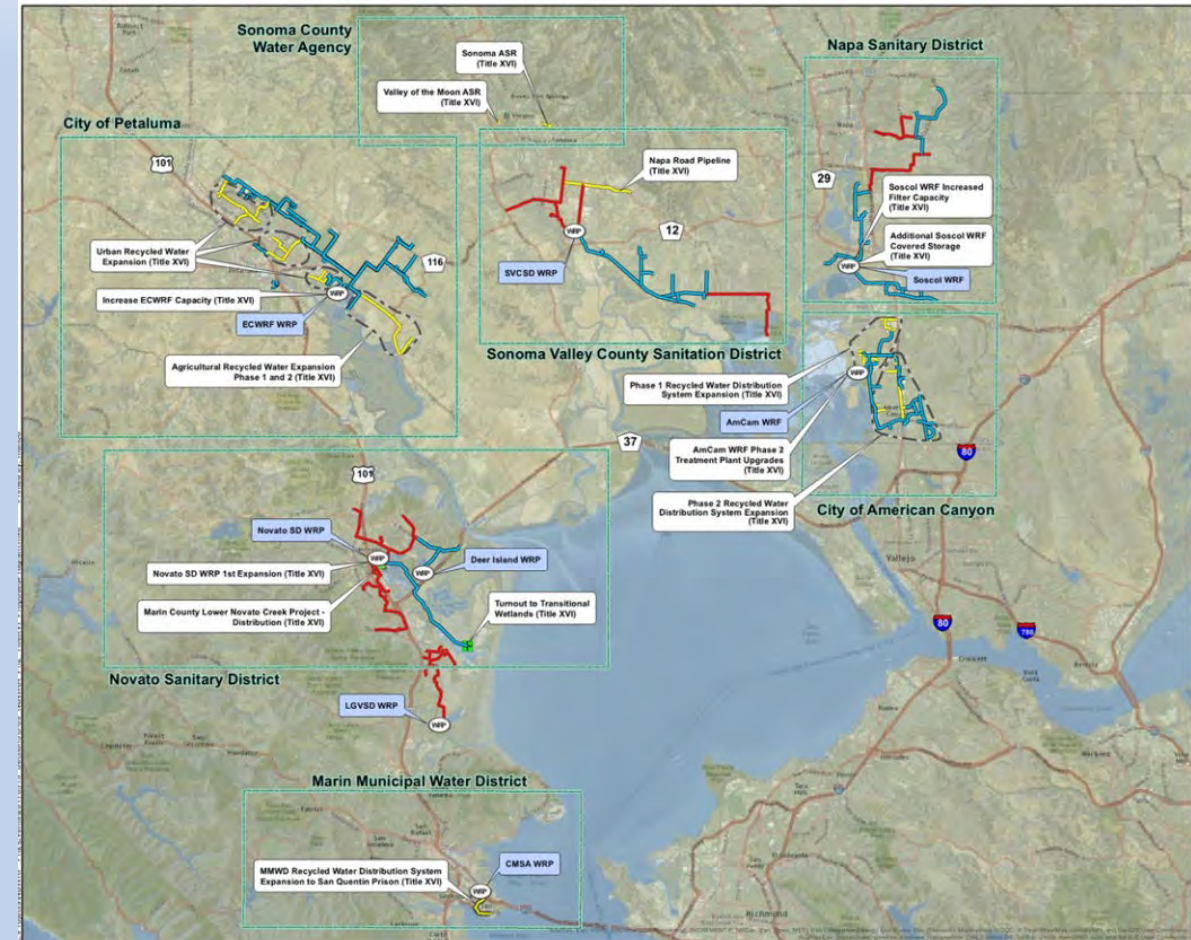
- **WW Treatment Plant upgrades**
- **Seasonal recycled water storage reservoir**
- **Agricultural irrigation**
- **Napa-Sonoma Salt Marsh Restoration**

- WW Treatment Plant upgrades
- Agricultural irrigation
- Landscape irrigation



Summary of Phase 2

- 💧 Phase 2 took a broader, One-Water approach
- 💧 Identified an additional 25,000 AFY of recycled water that can be captured, stored and put to use
- 💧 Phase 2 Feasibility Study was completed in 2017 and developed the Phase 2 Program which includes multiple projects valued at \$75.6 million:
 - Treatment upgrades
 - Storage and conveyance
 - Surface and groundwater management
 - Environmental enhancement



NBWRA Success



The Program and What We've Achieved

- 💧 NBWRA is a “virtual” Authority - organized under an MOU, the Sonoma County Water Agency acts as the fiscal agent
- 💧 We have a 2-phased regional-scale water management and recycling Program providing planning and project implementation support to member agencies
- 💧 Phase 1 and 2 are valued at \$104 million and \$76 million, respectively. Both are primarily recycled water programs delivering high quality water to urban, agricultural and environmental projects
- 💧 The US Bureau of Reclamation is our partner in developing recycled water and is key to our success
- 💧 The State of California is also a partner - our watershed approach is consistent with their Integrated Water Resources Planning program



Economic and Financial Benefits of NBWRA

- 💧 Economies of Scale; leverage planning, engineering, public involvement, and state and Federal advocacy resources to deliver benefits to all
- 💧 Support both region-wide and sub-regional initiatives through policy, planning and funding
- 💧 Effectively secure substantial funding assistance for studies and implementation of regional projects
- 💧 Build a resilient, secure water future to support the region's economy and quality of life



NBWRA Accomplishments

💧 Funding Summary

- From 2002-2021 member agencies have invested \$12.86M in supporting the Program and studies
- From 2002-2021 member agencies have received \$38.81M in state and federal grant assistance
- The return on investment (ROI) was 202% for an annualized ROI of 6.73%

💧 Benefits to the region beyond the dollar value of projects:

- Improved water quality and quantity
- Contributions toward a stable water supply = strong economy, vibrant communities
- Urban potable offsets
- Irrigation supplies for agriculture
- Relief from surface diversions, pumping groundwater and associated saltwater intrusion
- Environmental restoration at Napa-Sonoma Salt Marsh
- Riparian habitat and fisheries recovery from reduced stream diversions



What's Next for NBWRA?



NBWRA Delivers Results for the North Bay Region

- 💧 Title XVI Program has been on the leading edge of recycled water planning for 30-years
- 💧 NBWRA has a high, respected profile with state and federal agencies that has translated into significant grant funding
- 💧 Drought and supply issues never go away – the NBWRA supports activities to provide a safe, reliable water supply that benefits all water users in the North Bay
- 💧 **To maintain this position, the NBWRA must evolve to meet changing state and federal water management policies/funding criteria**



Water Issues Require the Engagement of Multiple Agencies

Topic	Issues	Potentially Engaged?
Groundwater	Recharge Water	Water, Counties, Agriculture, Others
	Seawater Intrusion	
	SGMA project Funding	
Wastewater	SF Bay Area Nutrient Watershed Permit Regulations	Wastewater, Water, Counties, Cities
	PFOS/PFAS Analysis and possible treatment (water supply agencies too)	
	Hertzberg SB 273 – POTWs to take in and treat stormwater	
Stormwater	Stormwater management; flood prevention and trash capture, recharge	Cities, Counties, Wastewater Agencies
Recycled Water	Expanded Nonpotable Projects	Water, Wastewater, Counties, Agriculture, Others
	Potable Investigations	
Drought Contingency	Coordinated Drought Response Plans and Projects	Water, Counties, Agriculture, Others
Sea Level Rise	North Bay WWTP/Infrastructure Exposure; lack of regional organization to address	Wastewater, Flood Control, Cities, Counties, Ag
Energy	Distributed Energy Resources	Water, Wastewater, Cities, Counties



Next Steps

💧 Proposed Action:

- Conduct follow up meetings with NBWRA members to identify what the NBWRA needs are, tasks to consider supporting, potential costs, and how to best serve its members into the future



Resources for the Possible Future Topics Discussed in the PowerPoint

Listed below are various links and discussion items related to the possible future topics discussed in today's Workshop.

Groundwater

Groundwater Sustainability. The [Sustainable Groundwater Management Act \(SGMA\)](#) requires local public agencies and [Groundwater Sustainability Agencies \(GSAs\)](#) in [high- and medium-priority basins](#) to develop and implement Groundwater Sustainability Plans (GSPs) or Alternatives to GSPs. GSPs are detailed road maps for how groundwater basins will reach long term sustainability.

Water Supply Resiliency. Governor Newsom recently signed an [executive order](#) to develop a comprehensive strategy for making the state's water system climate-resilient. The order calls for a broad portfolio of collaborative strategies to deal with outdated water infrastructure, unsafe drinking water, flood risks and depleted groundwater aquifers. Water recycling would clearly be a key strategy to any strategy.

<https://www.ppic.org/publication/groundwater-recharge/> from the Public Policy Institute of California

https://www.waterboards.ca.gov/waterrights/water_issues/programs/applications/groundwater_recharge/ State Water Board Permits for groundwater recharge

Wastewater

Refer to the attached Key Regulatory Issue Summary from the Bay Area Clean Water Agencies (BACWA). BACWA is a joint powers agency, formed under the California Government Code by the five largest wastewater treatment agencies in the San Francisco Bay Area. BACWA's members include the many municipalities and special districts that provide sanitary sewer services to more than 7.1 million people. BACWA is dedicated to working with its members, state and federal regulatory agencies, and non-governmental organizations to improve and enhance the San Francisco Bay environment. BACWA provide technical expertise, financial support, and a public utility perspective to ensure that regulations affecting its members are well-informed, thoughtful and effective.

The issue summary has information on the Nutrient Watershed Permit, PFOS/PFAS, climate change mitigation and adaptation, recycled water, and many other regulatory issues facing wastewater treatment agencies.

SB 273, Hertzberg

https://leginfo.ca.gov/faces/billTextClient.xhtml?bill_id=202120220SB273 is the link

from the Legislature detailing the bill, its analysis, and history. This bill would allow a municipal wastewater agency to enter into agreements with entities responsible for stormwater management in order to manage and reuse stormwater and dry weather runoff.

Stormwater

https://www.waterboards.ca.gov/water_issues/programs/stormwater/ is the link to the State Water Board's stormwater program.

<http://basmaa.org/> is the link to the Bay Area Stormwater Management Agencies Association (BASMAA). (BASMAA), is a consortium of nine San Francisco Bay Area municipal stormwater programs. Links for the NBWRA service area are listed below:

- [Marin County Stormwater Pollution Prevention Program](#)
- [Napa Countywide Stormwater Pollution Prevention Program](#)
- www.sonomawater.org/stormwater

In addition to the members listed above, other agencies, such as the California Department of Transportation (Caltrans) and the City and County of San Francisco (combined sewer system), participate in some BASMAA activities. Together, these agencies represent more than 100 agencies, including 85 cities and towns, 8 counties, and 7 special districts, and the bulk of the watershed immediately surrounding San Francisco Bay.

Recycled Water

Refer to the section in the BACWA issue summary for information on recycled water.

https://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/ is the link for the State Water Board's Recycled Water Policy.

https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/direct_potable_reuse.html is the link to the State Water Board's regulatory efforts related to direct potable reuse.

Drought Contingency

Drought Contingency Plans. A drought contingency plan is a strategy or combination of strategies for monitoring the progression of a drought and preparing a response to potential water supply shortages resulting from severe droughts or other water supply emergencies.

<https://water.ca.gov/News/Blog/2020/April/DWR-Releases-Drought-Planning-Report> is the link for the Department of Water Resources Drought Planning.

https://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/ is the link to the State Water Board's Drought page.

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Agenda Explanation
 North Bay Water Reuse Authority
 Board of Directors
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Sea Level Rise

The BACWA issue summary has information on climate change which is related to sea level rise.

https://www.waterboards.ca.gov/rwqcb2/board_info/agendas/2020/October/5_ssr.pdf is the link to the San Francisco Bay Regional Water Board Executive Officer's report which includes information on sea level rise and Bay Area wastewater collection systems.

<https://www.nbcbayarea.com/news/local/climate-in-crisis/bay-area-sewage-systems-at-risk-as-seas-rise-2/2457455/#:~:text=NBC%20Universal%2C%20Inc.&text=An%20NBC%20Bay%20Area%20investigation%20found%2030%20out%20of%2039,inches%20of%20sea%20level%20rise> is a link to an NBC TV report on sea level rise and Bay Area wastewater treatment plants.

Energy

Many wastewater and wastewater agencies have built solar farms to generate energy to reduce energy costs and reduce their carbon footprint. Cities and Counties have also built solar systems.

<https://solarbuildermag.com/projects/windsor-water-treatment-facility-adding-californias-largest-floating-solar-system/>
<https://www.pv-magazine.com/press-releases/risen-energy-supplies-modules-to-the-largest-floating-solar-system-in-windsor-california/> are links describing a project at City of Windsor's ponds.

<https://sonoma-county.legistar.com/LegislationDetail.aspx?ID=4806158&GUID=49A59544-8DA2-4DBF-89B9-51BE6077EA78&Options=&Search=> is a link describing Sonoma Water's efforts to build a floating solar system.

Attachment

BACWA February 3, 2021 Key Regulatory Issue Summary.



KEY REGULATORY ISSUE SUMMARY

Updated February 3, 2021

Action items for member agencies are in **bold**

Contents

	Page		
Nutrients in San Francisco Bay	1	SSS WDR Reissuance	9
SF Bay Nutrient Watershed Permit	2	ELAP Update	10
Chlorine Residual Compliance	3	Phase-Out of Biosolids as Alternative Daily Cover	11
Pesticides	4	Climate Change Mitigation	12
Enterococcus Limits	4	Climate Change Adaptation	13
Mercury and PCBs	5	Toxic Air Contaminants - BAAQMD Rule 11-18, AB 617, and	
State Water Board Toxicity Provisions	6	AB2588	14
Compounds of Emerging Concern (CECs)	7	Recycled Water General Order	15
Per- and Polyfluoroalkyl Substances (PFAS)	8	Acronyms	16

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
NUTRIENTS IN SAN FRANCISCO BAY			
<ul style="list-style-type: none"> San Francisco Bay receives some of the highest nitrogen loads among estuaries worldwide, yet has not historically experienced the water quality problems typical of other nutrient-enriched estuaries. It is not known whether this level of nitrogen loading, which will continue to increase in proportion to human population increase, is sustainable over the long term. Because of the complexity of the science behind nutrient impacts in the SF Bay, stakeholders in the region are participating in a steering committee to prioritize scientific studies and ensure that all science to be used for policy decisions is conducted under one umbrella. 	<ul style="list-style-type: none"> For FY21, BACWA contributed the \$2.2M required by the Watershed Permit, as well as "frontloading" an additional \$0.4M to accelerate the pace of the science that will be used for management decisions for the third Watershed Permit. The focus of current scientific efforts is improving model representation of biogeochemistry, light attenuation, dissolved oxygen, and Harmful Algal Bloom dynamics. Field and lab observations are supporting these improvements. The science team is developing an Assessment Framework for deep subtidal habitats and Lower South Bay sloughs. The science team is assessing the geographic zone of influence of each plant's discharge, which will aid in developing management approaches. 	<ul style="list-style-type: none"> BACWA and the Regional Water Board are discussing the possibility of an extension of the current permit term to increase scientific certainty prior to making management decisions. Continue to participate in steering committee, Nutrient Management Strategy, Nutrient Technical Workgroup, and planning subcommittee meetings, and provide funding for scientific studies. Form a Nutrient Technical Team that will engage a consultant to provide technical review of work products and charge questions for the science team. 	<p>BACWA Nutrients Page: https://bacwa.org/nutrient/s/</p> <p>SFEI Nutrient Science Plan Documents: http://sfbaynutrients.sfei.org/books/reports-and-work-products</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
SF BAY NUTRIENT WATERSHED PERMIT			
<ul style="list-style-type: none"> The first nutrient watershed permit was adopted in April 2014. The first watershed permit required a regional study on Nutrient Treatment by Optimization and Upgrades, completed in 2018. The 2nd Nutrient Watershed Permit was adopted in May 2019 with an effective date of July 1, 2019. It includes: <ul style="list-style-type: none"> Continued individual treatment plant nutrient monitoring and reporting; Continued group annual reporting; Significantly increased funding for science; Regional assessment of the feasibility and cost for reducing nutrients through nature-based systems and recycled water; Establishing current performance for TIN, and “load targets” for nutrient loads based on 2018 load data plus a 15% buffer for growth and variability Recognition of “early actors” who are planning projects that will substantially decrease TIN loads. Through the nutrient surcharge levied on permittees, BACWA funds compliance with the following provisions on behalf of its members: <ul style="list-style-type: none"> Group Annual Reporting Regional Studies on Nature-Based Systems and Recycled Water Support of scientific studies through the RMP at \$2.2M per year through the five-year permit term. 	<ul style="list-style-type: none"> In December 2019, BACWA submitted scoping and evaluation plans for the Recycled Water and Nature-Based Systems studies required by the 2nd watershed permit. Each year, BACWA submits a Group Annual Report on behalf of its members. The report summarizes trends in nutrient concentrations and loading for each agency, and for all the agencies as a whole. The annual reporting period in the 2nd Watershed permit is based on a water year (October 1 – September 30th) The first group annual report submitted under the 2nd watershed permit was submitted in February 2020. Each year by February 1, BACWA and SFEI submit an annual science implementation plan and schedule update, as required by the 2nd watershed permit. Agencies with plans to substantially reduce nutrients are recognized in the Fact Sheet of the 2nd watershed permit. 	<ul style="list-style-type: none"> Agencies respond to a BACWA survey regarding load projections for Total Inorganic Nitrogen. Agencies continue to report nutrient monitoring to the Water Boards through CIWQS and to BACWA via the data sheet. Agencies with plans to implement projects that will substantially reduce nutrient loads should keep the Regional Water Board and BACWA apprised, to get credit for “early actions”. Work with HDR and SFEI as needed to collect information for Nutrient Removal by Recycled Water Evaluation and the Nature-Based Systems study. Agencies provided preliminary information in June 2020, and outreach to individual agencies will be conducted in several waves in 2021. Begin discussions about development of a potential Nutrient Trading framework. BACWA has reconvened the Nutrient Strategy Team (NST) that will negotiate with the Regional Water Board to develop the tenets for the 3rd Watershed Permit. 	<p>2nd Nutrient Watershed Permit: https://www.waterboards.ca.gov/sanfranciscobay/board_info/agendas/2019/May/6_ssr.pdf</p> <p>Scoping and Evaluation Plans for Recycled Water and Nature-Based Systems: https://bacwa.org/document-category/2nd-watershed-permit-studies/</p> <p>Optimization/Upgrade Study Final Report: https://bacwa.org/wp-content/uploads/2018/06/BACWA_Final_Nutrient_Reduction_Report.pdf</p> <p>Optimization/Upgrade Report Brochure: https://bacwa.org/wp-content/uploads/2019/03/BACWA-2019-Nutrient-Brochure_Final_20190301.pdf</p> <p>BACWA Group Nutrient Annual Reports: http://bacwa.org/document-category/nutrient-annual-reports/</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
CHLORINE RESIDUAL COMPLIANCE			
<ul style="list-style-type: none"> The Basin Plan chlorine residual effluent limit is 0.0 mg/L. Chlorine residual is the most frequent parameter for violations for Region 2 POTWs. Because there are 24 hourly reporting events each day, the “opportunities” for violations are enormous. However, the actual violation rates are infinitesimal (~0.001%). Agencies are overdosing their effluent with the dechlorination agent, sodium bisulfite, to prevent chlorine violations, a practice which costs more than \$1 million regionally each year. 	<ul style="list-style-type: none"> The Regional Water Board worked with BACWA to develop a Basin Plan Amendment (BPA) modifying the effluent limit for chlorine residual. The draft BPA includes: <ul style="list-style-type: none"> A 0.013 mg/L Water Quality Objective in marine and estuarine waters, which will be applied as a WQBEL in permits and calculated incorporating dilution. The WQBEL will be applied as a one-hour average. A Minimum Level (ML), or Reporting Limit of 0.05 mg/L for online continuous monitoring system. The BPA was adopted by the Regional Water Board on November 18, 2020. It will not go into effect until it is approved by the State Water Board, Office of Administrative Law, and EPA, which is expected by late 2021. 	<ul style="list-style-type: none"> Work with Regional Water Board staff to develop a regional blanket permit amendment that would implement the new BPA for all Region 2 dischargers at one time. This approach which would accelerate implementation compared to a slower, permit-by-permit rollout. 	<p>Final BPA adopted by Regional Water Board https://www.waterboards.ca.gov/sanfranciscobay//water_issues/programs/planningtmdls/amendments/chlorinebpa/2_Chlorine_Resolution_R2-2020-0031.pdf</p> <p>Final BPA Staff Report: https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/planningtmdls/amendments/chlorinebpa/3_Chlorine_BPA_Final_staff_report.pdf</p> <p>BACWA Comment Letter on draft BPA: https://bacwa.org/document/chlorine-basin-plan-amendment-bacwa-comment-letter/</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
PESTICIDES			
<ul style="list-style-type: none"> Pesticides are regulated via FIFRA, and not the Clean Water Act. POTWs do not have the authority to regulate pesticide use in their service area, but may be responsible for pesticide impacts to their treatment processes or to surface water. Through BAPPG, BACWA aims to proactively support a scientifically sound pesticide management program that will not impact POTWs' primary functions of collecting and treating wastewater, recycling water, and managing biosolids. 	<ul style="list-style-type: none"> EPA reviews all registered pesticides at least once every 15 years. Each review allows opportunity for public comment. BACWA has funded consultant support to write comment letters advocating for the consideration of POTW and surface water issues during EPA's risk assessments as part of reregistration. Funding was increased from \$30K to \$60K in FY20/21. The Regional Water Board leverages BACWA's efforts to provide their own comment letters to EPA. With chronic toxicity limits likely in the near term, POTWs will be in compliance jeopardy if pesticides contribute to toxicity. Baywise.org has launched webpages on flea and tick control messaging to pet owners and veterinarians. 	<ul style="list-style-type: none"> Continue to comment on pesticide re-registrations. Work with veterinary associations on messaging with respect to flea and tick control alternatives. Continue to develop summary of EPA actions on pesticides. Look for opportunities to work with CalDPR on pesticides research. Work with other regional associations to identify opportunities for collaboration. 	<p>BACWA Pesticides Regulatory Update and Call to action: https://bacwa.org/wp-content/uploads/2016/02/BACWA-Pesticide-Regulatory-Update-2016-1.pdf</p> <p>BACWA Pesticide Regulatory Support Page: https://bacwa.org/document-category/pesticides-regulatory-support/</p> <p>Baywise flea and tick pages: https://baywise.org/</p>
ENTEROCOCCUS LIMITS			
<ul style="list-style-type: none"> In August 2018, the State Water Board adopted new statewide bacteria water quality objectives and implementation options to protect recreational users from the effects of pathogens in California water bodies. The objectives and implementation options are a new part 3 of the Water Quality Control Plan for the SIP and Ocean Plan. The Objectives were approved by the Office of Administrative Law in February 2019 and by EPA in March 2019 	<ul style="list-style-type: none"> The new enterococcus objective for saline waters is a six-week rolling geometric mean of enterococci not to exceed 30 cfu/100 mL, calculated weekly, with a statistical threshold value of 110 cfu/100 mL, not to be exceeded by more than 10 percent of the samples collected in a calendar month, calculated in a static manner. The Regional Water Board has been granting dilution credit upon request when implementing the new objectives in NPDES permits. 	<ul style="list-style-type: none"> BACWA worked with SFEI and funded a study of background enterococcus levels in the SF Bay. Surface water samples were collected in July (dry season) and January (wet season) throughout the Bay. Samples from all stations were below the 30 CFU/100 mL WQO, justifying allowing for dilution credits when implementing the WQO. The study was completed and submitted in June 2020. 	<p>SWB Bacterial Objective page: https://www.waterboards.ca.gov/bacterialobjectives/</p> <p>SFEI Final Report on Enterococci in the SF Bay: https://bacwa.org/wp-content/uploads/2020/08/BACWA-2020_Enterococci-report_final.pdf</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
MERCURY AND PCBS			
<ul style="list-style-type: none"> • The Mercury & PCB Watershed Permit was reissued in November 2017 with an effective date of January 1, 2018. The Watershed Permit is based on the TMDLs for each of these pollutants. • Aggregate PCB and mercury loads have been well below waste load allocations through 2019, the last year for which data have been compiled. • Method 1668C for measuring PCB congeners has not been promulgated by EPA. Data collected during the first permit term varied widely depending on which laboratory performed the analyses. BACWA Laboratory Committee developed an updated PCB Protocol to reduce variability between laboratories running Method 1668C, effective January 1, 2014. Data have been more consistent since the distribution of this document. 	<ul style="list-style-type: none"> • The 2017 watershed permit reduces monitoring frequencies via Method 1668C for agencies with design flows of less than 50 MGD. It also incorporates the laboratory guidance from the BACWA PCB Protocol. • The permit requires continued risk reduction program funding. In 2020, BACWA continued to fund a contract worth \$12,500 to the California Indian Environmental Alliance to conduct risk reduction activities related to fish consumption. A previous contract for APA Family Support Services is now complete. • In 2017, EPA adopted federal pretreatment program rules requiring dental offices to install dental amalgam separators. The rule is intended to reduce dental office discharge of mercury. The compliance date was July 14, 2020. 	<ul style="list-style-type: none"> • Conduct outreach to dentists to ensure all facilities have completed the one-time compliance report required by the federal pretreatment program. The reports were due October 12, 2020. • Continue outreach to dentists on mandatory amalgam separation through BAPPG and BACWA's pretreatment committee. • Schedule risk reduction presentations by the grantees to the Regional Water Board in 2021. 	<p>2017 Mercury/PCB Watershed Permit: http://www.waterboards.ca.gov/sanfranciscobay/board_decisions/adopted_orders/2012/R2-2012-0096.pdf</p> <p>Risk Reduction Materials: https://bacwa.org/mercury-pcb-risk-reduction-materials/</p> <p>Updated BACWA PCBs Protocol: https://bacwa.org/wp-content/uploads/2014/02/PCBs-Sampling-Analysis-and-Reporting-Protocols-Dec13.pdf</p> <p>One-Time Compliance Report for Dental Offices: https://www.waterboards.ca.gov/water_issues/programs/npdes/docs/drinking_water/one-time_compliance_report_for_dental_offices.pdf</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
STATE WATER BOARD TOXICITY PROVISIONS			
<ul style="list-style-type: none"> • The State Water Board has been working since before 2012 to establish Toxicity Provisions in the SIP that would introduce uniform Whole Effluent Toxicity Requirements for the State • During individual permit reissuances since 2015, the Regional Water Board has been performing RPAs for chronic toxicity and giving chronic toxicity limits to agencies with Reasonable Potential. • Proposed Final Statewide Toxicity Provisions were released in October 2020, incorporating revisions to previous versions from 2018 to 2020. The Provisions establish: <ul style="list-style-type: none"> ○ Use of Test of Significant Toxicity (TST) as statistical method to determine toxicity replacing EC25/IC25 (with concerns it will lead to more false positive results); ○ Numeric limits for chronic toxicity for POTWs >5 MGD and with a pretreatment program; smaller POTWs would receive effluent targets and only receive limits if Reasonable Potential is established; ○ Regional Water Board discretion on whether to require RPAs for acute toxicity; ○ For POTWs with <i>Ceriodaphnia dubia</i> as most sensitive species, numeric targets rather than limits until after completion of state-wide study on lab/ testing issues (Dec. 31, 2023). 	<ul style="list-style-type: none"> • The State Water Board adopted the Statewide Toxicity Provisions at its December 1, 2020 meeting. The Provisions are likely to come into effect in mid-2021 after review by OAL and EPA. • In December 2020, Regional Water Board staff provided BACWA with a copy of draft sample NPDES permit language. The sample permit language will ultimately be copied into each newly adopted permit in the region, filling in details about monitoring and screening requirements that the Provisions leave to Regional Water Board discretion. • Implementation is likely to be on a permit-by-permit basis as new individual NPDES permits are issued. • Since 2016, agencies have had the option to skip sensitive species screening upon permit reissuance and pay the avoided funds to the RMP to be used for CECs studies. Now that agencies will once again be required by the provisions to do sensitive species screening, this will reduce RMP funds by approximately \$100K per year. • BACWA has joined SCAP, CVCWA and NACWA in a lawsuit alleging EPA did not follow proper procedure in requiring use of the TST, which has not been officially promulgated. The lawsuit was dismissed on Statute of Limitation grounds, but the group has filed an appeal. 	<ul style="list-style-type: none"> • Continue to work with Regional Water Board on language for implementing Toxicity Provisions in Region 2 NPDES Permits. • Regional Water Board staff presented draft permit language to the BACWA Permits Committee at its December 2020 meeting, and it is being circulated for BACWA member review. • Collaborate with State Water Board, CASA and POTWs Statewide on the special study on the <i>Ceriodaphnia dubia</i> test method. • Develop an alternative funding mechanism for RMP CECs studies by seeking reduced monitoring for items other than chronic toxicity screening. A draft plan is under development. 	<p>SWRCB Toxicity Page: http://www.swrcb.ca.gov/water_issues/programs/state_implementation_policy/tx_ass_cntrl.shtml</p> <p>Toxicity Workshop Presentations from 2017 BACWA Workshop: https://bacwa.org/bacwa-toxicity-workshop-september-18-2017/</p> <p>Regional Water Board presentation on implementation of Statewide Toxicity Provisions from December 2020 https://bacwa.org/wp-content/uploads/2021/01/Slides-from-RWQCB-Regarding-R2-Tox-Language-in-NPDES-Permits-2020-12-08.pdf</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
COMPOUNDS OF EMERGING CONCERN (CECS)			
<ul style="list-style-type: none"> Pharmaceuticals and other trace compounds of emerging concern (CECs) are ubiquitous in wastewater at low concentrations and have unknown effects on aquatic organisms. The State Water Board is considering developing a Pilot CECs Monitoring Plan for the State. Region 2's CEC strategy focuses on monitoring/tracking concentrations of constituents with high occurrence and high potential toxicity. Much of what the State Water Board is considering for its Pilot Monitoring Plan is already being implemented in Region 2 through the RMP. 	<ul style="list-style-type: none"> The Regional Water Board has stated that voluntary and representative participation in RMP CECs studies is key to avoiding regulatory mandates for CECs monitoring. These studies are informational and not for compliance purposes. BACWA developed a White Paper on representative participation to be used to support facility selection for these studies. It is intended to be a living document with ongoing updates Microplastics have been a focus of the RMP in recent years. BACWA has participated in the Workgroup and developed a POTW Fact Sheet. One conclusion of the RMP work is that POTWs contribute much lower microplastic loads than stormwater. DDW has adopted a definition of Microplastics in Drinking Water (may apply to other matrices such as wastewater and stormwater in the future). The OPC is funding a study in 2021 that will look at microplastic removal through wastewater treatment processes. 	<ul style="list-style-type: none"> Continue to participate in the RMP CEC Workgroup. Participate in studies of sunscreens (2 facilities planned) and microplastics (6 facilities planned) by collecting wastewater samples at member facilities. Provide ongoing updates to White Paper for use by the RMP in selecting representative POTWs for participation in CEC studies, and develop a proposal for ongoing monitoring. Continue tracking State Water Board and Ocean Protection Council actions re: microplastics via the CASA Microplastics Workgroup. Continue efforts to provide a funding stream for RMP CEC studies based on reducing other NPDES permit monitoring and reporting requirements. 	<p>RMP CEC Workgroup: http://www.sfei.org/rmp/ecwg#tab-1-4</p> <p>BACWA CECs White Paper: https://bacwa.org/document/bacwa-cec-white-paper-updated-june-2020/</p> <p>BACWA Microplastics Fact Sheet: https://bacwa.org/wp-content/uploads/2019/09/BACWA-Microplastics-flyer.pdf</p> <p>SFEI Microplastics Science Strategy: www.sfei.org/documents/microplastic-monitoring-and-science-strategy-san-francisco-bay</p> <p>SWRCB Microplastics in Drinking Water page: https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/microplastics.html</p>

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PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)			
<ul style="list-style-type: none"> Per- and polyfluoroalkyl substances made substances (PFAS) are a large group of human-made substances that are very resistant to heat, water, and oil. PFAS have been used extensively in surface coating and protectant formulations; common PFAS-containing products are non-stick cookware, cardboard/paper food packaging, water-resistant clothing, carpets, and fire-fighting foam. Perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) are two types of PFAS that are no longer manufactured in the US; however, other types of PFAS are still produced and used in the US. All PFAS are persistent in the environment, can accumulate within the human body, and have demonstrated toxicity at relatively low concentrations. PFOA and PFOS were found in the blood of nearly all people tested in several national surveys. Potential regulatory efforts to address PFAS focus on drinking water in order to minimize human ingestion of these chemicals, although regulators have also expressed concern about uptake into food from land applied biosolids. 	<ul style="list-style-type: none"> In Aug 2019, DDW lowered the drinking water notification levels (NLs) to 6.5 ng/L for PFOS and 5.1 ng/L for PFOA (lowest detection possible at the time). In Feb 2020, DDW also lowered the 'response levels' (RLs) to 10 ng/L for PFOA and 40 ng/L for PFOS. Under AB756 (July 2019), DDW can order public water systems to monitor PFAS, consumers must be notified if NLs/RLs are exceeded, and water sources must be removed from service or blended/ treated if RLs are exceeded (if possible). DDW has requested OEHHA develop NLs for seven other PFAS compounds and public health goals (PHGs) for both PFOA and PFOS, the next step in establishing drinking water MCLs. In 2019, the SWRCB developed a phased investigation action plan requiring testing of drinking water systems and site investigations at high risk locations for PFAS. Investigative orders are issued as follows: <ul style="list-style-type: none"> Mar/Apr 2019 - landfills and airports and adjacent public water systems Oct 2019 - chrome-platers July 2020 - POTWs TBD 2021 - refineries & bulk terminals The Summit Partners held several PFAS Workshops on the SWRCB investigative order for POTWs in late 2020 and early 2021. 	<ul style="list-style-type: none"> The July 2020 SWRCB investigative Order for POTWs is not applicable to Region 2 agencies. Instead, BACWA worked with RWB staff and obtained State Water Board approval to fund and conduct a regional study through the RMP. SFEI is conducting this study in two phases: <ul style="list-style-type: none"> In Phase 1, fourteen representative facilities collected samples in Q4 2020 for influent, effluent, RO concentrate, and biosolids. SFEI will analyze data and prepare report (anticipated May 2021). Phase 2 will be conducted in Summer/ Fall 2021 and will be designed based on recommendations from Phase 1 report. BACWA will continue collaboration with Summit Partners and non-governmental organizations on legislation related to pollution prevention, as well as tracking developments at the State and Regional level. 	<p>Region 2 PFAS Study Phase 1 Sampling Plan: https://bacwa.org/wp-content/uploads/2020/12/SFEI-Final-PFAS-SAP-Phase-1-2020-11-23.pdf</p> <p>Summit Partners PFAS Workshop presentations: https://casaweb.org/calendar/speaker-presentations/</p> <p>SWRCB Investigative Order for POTWs: https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2020/wqo2020_0015_dwq.pdf</p> <p>OEHHA Notification Levels for Drinking Water: https://oehha.ca.gov/water/notification-levels-chemicals-drinking-water</p> <p>EPA PFAS Resources https://www.epa.gov/pfas</p> <p>EPA PFAS Action Plan (updated Feb 2020) https://www.epa.gov/sites/production/files/2020-01/documents/pfas_action_plan_feb2020.pdf</p>

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SSS WDR REISSUANCE			
<ul style="list-style-type: none"> • The State Water Board plans to reissue the SSS WDR in 2021. • They have sought out early stakeholder engagement through outreach to CASA and the Regional Associations, and NGOs. • Goals for the update are: <ul style="list-style-type: none"> ○ Effective spill response ○ Proactive planning and management ○ Transparent reporting ○ “Feasible and reasonable” regulations - good faith effort to comply - personnel, budget, equipment by governing board 	<ul style="list-style-type: none"> • The State Water Board has identified the following as components to be included: <ul style="list-style-type: none"> ○ Resiliency assessment ○ Sewershed mapping ○ Reporting of PSL spills ○ Improvement of CIWQS data quality ○ Study of the impact of exfiltration and leakage ○ Updated SSMPs that are more enforceable ○ Potential incentives for well performing systems ○ A new “Category 4” for SSOs less than 50 gallons that do not need to be reported • CASA provided proposed redlines to the SSS WDR on the text of the SSS WDR, as well as the proposed SSMP outline. They have been meeting with the State Water Board regularly during 2019 and 2020. 	<ul style="list-style-type: none"> • Review and comment on draft SSS WDR when available for public comment, expected in Q1 2021. Discuss response to issues such as exfiltration via BACWA’s Collection Systems Committee. 	<p>SWB SSS WDR page: https://www.waterboards.ca.gov/water_issues/programs/ssw/</p> <p>CASA SSS WDR Redlines: https://bacwa.org/document/sss-wdr-casa-redlines-8-29-18/</p> <p>CASA SSS WDR MRP Redlines: https://bacwa.org/document/casa-sss-mrp-redlines-08-29-18/</p>

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ELAP UPDATE			
<ul style="list-style-type: none"> • In May 2020, the State Water Board adopted new comprehensive regulations for the Environmental Laboratory Accreditation Program. • Adoption of the new regulations was required by AB 1438, legislation that became effective in 2018. • The new ELAP regulations will replace the current state-specific accreditation standards with a national laboratory standard established by The NELAC Institute (TNI). 	<ul style="list-style-type: none"> • The new ELAP regulations became effective as of January 1, 2021. Compliance with TNI standards is required beginning January 1, 2024. • Adoption of TNI standards poses a challenge since there are more than 1,000 individual requirements. Setup costs may include: <ul style="list-style-type: none"> ○ Hiring and/or training staff; ○ Hiring consultants to set up the TNI documentation framework; ○ Purchasing Laboratory Information Management System (LIMS) software; ○ Purchasing documents and training material from TNI, etc. • The new standards will be a particular burden on small laboratories, which may choose to close if they cannot economically meet the new standards. • In June 2020, ELAP staff presented on the State Water Board's new 'Roadmap to ELAP Accreditation' program at the Lab Committee meeting. 	<ul style="list-style-type: none"> • Continue to work through BACWA's Laboratory Committee to support members as they navigate laboratory accreditation under the new TNI standards. • Publicize training opportunities offered by consultants, ELAP, and others. • Provide a forum for BACWA laboratories to share experiences and lessons learned from various approaches to TNI implementation. 	<p>State Water Board's 'Roadmap to ELAP Accreditation' page: https://www.waterboards.ca.gov/drinking_water/certlic/labs/roadmap_to_elap_accreditation.html</p> <p>Roadmap to Accreditation Presentation to BACWA Lab Committee: https://bacwa.org/wp-content/uploads/2020/06/California-ELAP-Regulations-BACWA_06092020.pdf</p> <p>State Water Board's ELAP regulations page: http://www.waterboards.ca.gov/drinking_water/certlic/labs/elap_regulations.shtml</p>

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PHASE-OUT OF BIOSOLIDS AS ALTERNATIVE DAILY COVER			
<ul style="list-style-type: none"> Regulatory drivers are indicating that biosolids used as alternative daily cover (ADC) or disposed in landfills will be phased out: <ul style="list-style-type: none"> AB 341 set a goal to recycle 75% of solid waste by 2020 and CalRecycle's plan to achieve that goal called for a marked, but unquantified, reduction of organics to landfills. SB 1383, adopted in September 2016 requires organics diversion: -50% by 2020 (relative to 2014) -75% by 2025 (relative to 2014) In 2020, CalRecycle will count green waste as disposal (per AB 1594), rather than diversion, even when used as ADC. Regulations implementing SB 1383 were approved by the Office of Administrative Law on November 9, 2020. The regulation will become effective on January 1, 2022, when states can begin enforcement on jurisdictions. Jurisdictions can begin local enforcement January 1, 2024, and compliance is required by January 1, 2025. 	<ul style="list-style-type: none"> While the regulations implementing SB 1383 don't explicitly forbid biosolids disposal/reuse in landfills, it is assumed that since biosolids are a relatively "clean" waste stream that can be easily diverted, landfills will stop accepting biosolids. In the 2018 BACWA Biosolids survey, more agencies reported that they are developing plans for the phase-out than in the 2016 Survey. Requirements in the final regulations include: <ul style="list-style-type: none"> Diverted biosolids must be anaerobically digested and/or composted to qualify as landfill reduction. Incineration and surface land disposal sites are designated as "landfills" for accounting purposes. Local ordinances restricting biosolids land application are disallowed. Jurisdictions that divert organic waste must also procure the end products of diversion, such as biogas, biomethane, and compost (biosolids are not included at this time). 	<ul style="list-style-type: none"> Consider ways to build a market for compost and other soil amendment products from biosolids, using lessons learned in the Pacific Northwest and Midwest. Actively work through CASA with California Air Resource Board, CalRecycle, State Water Resource Control Board, and California Department of Food and Agriculture to mutually develop sustainable long-term options for the beneficial use of biosolids. Follow efforts of the BABC, investigating all-weather options for biosolids management (including innovative technologies generating energy and other useful bioproducts from biosolids). BABC is a BACWA Project of Special Benefit, beginning in FY20. Participate in BAAQMD's Organics Recovery Technical Working Group to educate their staff on how to address implementation of SB 1383 at the Air District level. Meet with BAAQMD management regularly in 2021 to discuss alignment of state and local regulations. 	<p>BACWA 2018 Biosolids Trends Survey Report: https://bacwa.org/document/2018-biosolids-trends-survey-report/</p> <p>CASA White Paper on Biosolids Use in Landfills: https://bacwa.org/wp-content/uploads/2017/01/1-11-17-Sustainability-for-biosolids-use-at-landfills.pdf</p> <p>BABC website: http://www.bayareabiosolids.com/</p> <p>CASA White Paper on SB 1383 Implementation: https://bacwa.org/document/summary-of-sb-1383-and-its-implementation-casa-2020/</p>

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CLIMATE CHANGE MITIGATION			
<ul style="list-style-type: none"> • CARB's Climate Change Scoping Plan Update lays out the approach for the State to meet its greenhouse gas (GHG) emissions reduction targets through 2030, including additional policies to achieve 40% reduction below 1990 levels by 2030: <ul style="list-style-type: none"> ◦ Short-lived climate pollutants (i.e., methane) ◦ Carbon sequestration on Natural and Working Lands ◦ Largest emitters (transportation, electricity, and industrial sectors) • SB 1383 (Short-Lived Climate Pollutant Reduction) calls for: <ul style="list-style-type: none"> ◦ 40% methane reduction by 2030 ◦ 75% diversion of organic waste from landfills by 2025 ◦ Policy and regulatory development encouraging production/use of biogas • BAAQMD developed a Clean Air Plan that requires GHG emissions reduction track with CARB's 2030 and 2050 targets. • BAAQMD has proposed the development of Regulation 13 (climate pollutants) targeting GHG emission reductions related to organics diversion and management. • In October 2020, Governor Newsom signed Executive Order N-82-20 calling for nature-based land management strategies to address climate change, such as wetlands restoration. 	<ul style="list-style-type: none"> • CARB states POTWs are part of the solution for reducing fugitive methane, and encourages diversion of organics to POTWs to use excess digester capacity and produce biogas. However, diversion also increases biosolids, which also need to be diverted from landfills. • Many POTWs are exploring energy generation, but BAAQMD TAC regulations could make such programs more difficult to implement. Direct injection of biogas to PG&E's pipelines or use as a transportation fuel may be more efficient. OSHA's PSM Standards, triggered by use of biogas offsite (if managing over 10k lbs of biogas onsite), may cause pipeline injection to be cost-prohibitive. CalOSHA has verbally agreed with scenarios exempt from PSM standards. • CARB's previous interest in nitrous oxide emission estimates and/or emission factors for POTWs has shifted to toxic air contaminants. See BAAQMD Rule 11-18. • BAAQMD is developing a suite of Rules under Regulation 13 for climate pollutants methane and nitrous oxide. However, rule development has been suspended due to COVID-19 and lack of data. The delay is allowing time to develop information about current best management practices. 	<ul style="list-style-type: none"> • Work with CASA to look for opportunities for POTWs to help the State meet GHG reduction goals. • Look for opportunities to inform BAAQMD on the opportunities and challenges for climate change mitigation by Bay Area POTWs. • Work with PG&E and BAAQMD to explore options for POTWs to inject biogas into PG&E pipelines. Note: CASA has been discussing the barriers to pipeline injection with CPUC staff and they have proposed reducing their standard from 990 Btu/scf to 970 Btu/scf. • Engage in development of Regulation 13 Rules, which are intended to govern climate pollutants, odors, VOCs and TACs from POTWs and anaerobic digesters. • Continue to work with BAAQMD staff to provide information and education about anaerobic digesters and POTW operations. Participate in the Organics Recovery Technical Working Group, as well as comment on draft Rules. <ul style="list-style-type: none"> ◦ Develop information about current best management practices at anaerobic digesters and lagoons. 	<p>Climate Change Scoping Plan: https://www.arb.ca.gov/cc/scopingplan/scoping_plan_2017.pdf</p> <p>CARB Short Lived Climate Pollutant Reduction Strategy: https://www.arb.ca.gov/cc/shortlived/meetings/03142017/final_slcp_report.pdf</p> <p>SB 1383: http://www.leginfo.ca.gov/pub/15-16/bill/sen/sb_1351-1400/sb_1383_bill_20160919_chaptered.htm</p> <p>BAAQMD Clean Air Plan: http://www.baaqmd.gov/plans-and-climate/air-quality-plans/current-plans</p> <p>BAAQMD Regulation 13 http://www.baaqmd.gov/rules-and-compliance/rules/regulation-13-climate-pollutants</p> <p>BACWA Comments on Regulation 13: https://bacwa.org/wp-content/uploads/2019/07/BACWA-AIR_FINAL_Comment-Letter_Regulation13_Rules_24_071219.pdf</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
CLIMATE CHANGE ADAPTATION			
<ul style="list-style-type: none"> • In 2017, the State Water Board adopted a Climate Change Resolution addressing mitigation and adaptation. One of the requirements is that Regional Water Boards will make recommendations to the State Water Board on the need to modify permits and other regulatory requirements to reduce vulnerability of water and wastewater infrastructure to flooding, storm surges, and sea level rise. • The Regional Water Board identified Climate Change and Wetland Policy Update as the highest priority Basin Planning project in their 2018 Triennial Review. • Climate change and water resilience continue to be strategic priority of the Regional Water Board in FY21. • In April 2019, Governor Newsom signed Executive Order N-10-19 directing State Agencies to recommend a suite of priorities and actions to build a climate-resilient water system and ensure healthy waterways through the 21st century. • 	<ul style="list-style-type: none"> • The State Water Board is planning a data request that they will send to all permitted facilities (collection systems and POTWs) in the State to better understand to what extent agencies are performing climate change vulnerability assessments and/or investing in adaptation measures. They plan to use this information to determine the need for funding assistance or permit requirements for climate change planning. • The Regional Water Board is planning to distribute a survey to all POTWs in the region in 2021 to collect information about climate vulnerability and adaptation. This survey will be more detailed than the State Water Board's survey. Several BACWA members are test-driving the survey in January and February 2021. • The Regional Water Board hosted a workshop on its Wetlands Policy 94-086 on August 14 and solicited stakeholder input on potential revisions to the Policy. <ul style="list-style-type: none"> ○ BACWA provided the Regional Water Board staff specific case studies of wetlands projects that are being considered as well as written comments regarding Policy revisions that would help incentivize the development of wetlands projects by wastewater agencies, and reduce permitting hurdles. 	<ul style="list-style-type: none"> • Respond to the Regional Water Board's climate change survey, which is expected to be distributed to all POTWs in approximately March or April 2021. • Continue to coordinate with State Water Board on the status of their data request on climate change planning, so members can provide the information they request as effectively as possible. Survey expected to be released in the first half of 2021. • Continue to work with Regional Water Board and other resource agencies to look for regulatory solutions to encourage wetlands projects for shoreline resiliency. • BACWA to review Governor's Water Resilience Portfolio initiative, released in 2020. 	<p>State Water Board 2017 Climate Change Resolution: https://www.waterboards.ca.gov/board_decisions/adopted_orders/resolutions/2017/rs2017_0012.pdf</p> <p>Regional Water board Wetlands Policy Page: https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/climate_change/wetland_policies.html</p> <p>BACWA Comments on Wetlands Policy: https://bacwa.org/wp-content/uploads/2018/09/BACWA-comments-Wetland-Policy-9-14-18.pdf</p> <p>Governor's Final Water Resilience Portfolio: http://waterresilience.ca.gov/</p> <p>BACWA Comments on Resilience Portfolio: https://bacwa.org/wp-content/uploads/2019/10/BACWA-Water-Resilience-Portfolio-10-01-19.pdf</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
TOXIC AIR CONTAMINANTS - BAAQMD RULE 11-18, AB 617, AND AB2588			
<ul style="list-style-type: none"> Regulation 11, Rule 18 (Rule 11-18), adopted November 15, 2017, is BAAQMD's effort to protect public health from toxic air pollution from existing facilities, including POTWs. Per the Rule, BAAQMD will use toxic emissions inventories and proximity to the nearest receptor (residents or offsite workers) to conduct site-specific Health Risk Screening Analyses (HRSAs). From HRSAs, BAAQMD will determine each facility's prioritization score (PS). BAAQMD will conduct Health Risk Assessments (HRAs) for all facilities with a cancer PS>10 or non-cancer PS>1.0. After verifying the model inputs, if the facility still has PS above that threshold, that facility would need to implement a Risk Reduction Plan that may include employing Best Available Retrofit Control Technology for Toxics (TBARCT). AB 617 (Community Air Protection Program) – requires CARB to harmonize community air monitoring, reporting, & local emissions reduction programs for air toxics and GHGs). POTWs within communities already impacted by air pollution may have to accelerate implementation of risk reduction measures. 	<ul style="list-style-type: none"> BACWA developed a White Paper on the BAAQMD Rule to describe its potential impacts on the POTW community. In response to a request by BAAQMD, the AIR Committee delivered a letter report summarizing specific challenges that POTWs would face in complying with the rule due to budgeting and planning constraints related to being public agencies. In response, BAAQMD moved all POTWs to Phase 2 to give sufficient time to update the model's inputs, and plan for emissions reduction or TBARCT, as needed. Phase 2 has been slow to roll out and is now expected to begin in Q2 2021 with data collection and verification, followed by the development of HRAs for facilities with a cancer PS>10 or non-cancer PS>1.0. Implementation of the Rule for Phase 2 facilities will be spread out over two years depending on the prioritization score. AIR Committee gathered data on proximity factors from each facility and submitted to BAAQMD for updating prioritization scores, which will be use in HRA development. 	<ul style="list-style-type: none"> Priority: Agencies should use the tool developed by the AIR Committee to address emission contributions from influent flows, which will be used to update emissions inventory values. Respond to BAAQMD data request beginning in Q2 2021. There will be a 60-day turn-around to comply with the data request. Meet with BAAQMD management more frequently in 2021 to discuss alignment of state and local regulations Track both AB 617's regulation development and expansion of the toxics compound list under AB 2588's Air Toxics Hot Spots Program. Draft regulatory language under AB 617 stated all uncovered POTWs >5 MGD and covered (primary) POTWs >10 MGD must monitor and report all compounds listed under AB 2588. CARB has tentatively agreed to give the wastewater sector time to develop a short-list of relevant compounds and perform a pooled emissions estimating effort to update outdated default emission factors (through 2026). Final rule-making documents are expected in February 2021. CASA has a subgroup dedicated to this effort. Results could inform Rule 11-18 HRA's. 	<p>BAAQMD Rule 11-18 page: http://www.baaqmd.gov/rules-and-compliance/rule-development/rules-under-development/regulation-11-rule-18</p> <p>BAAQMD Prioritization Scores for AB 11-18: https://www.baaqmd.gov/~media/files/ab617-community-health/facility-risk-reduction/documents/implementation-procedures_august_2020-pdf.pdf?la=en</p> <p>Rule 11-18 Process Flowchart: https://bacwa.org/documents/baaqmd-11-18-process-flowchart-08-17-17/</p> <p>BAAQMD page on AB 617: http://www.baaqmd.gov/rules-and-compliance/rule-development/barct-implementation-schedule</p> <p>CARB page on AB 617 and AB 2588: https://ww2.arb.ca.gov/our-work/programs/criteria-and-toxics-reporting</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
RECYCLED WATER GENERAL ORDER			
<ul style="list-style-type: none"> • In response to the Governor's proclamation of a Drought State of Emergency, the State Water Board adopted a General Order on June 3, 2014 to streamline permitting for recycled water. The State Water Board reissued the General Order on June 7, 2016, making enrollment mandatory for Regional Permittees. • In May 2018, the State Water Board released Recycled Water Policy Amendments for Public Comment. The Recycled Water Policy governs the Recycled Water General Order. • The Amendments were adopted in December 2018. 	<ul style="list-style-type: none"> • Key issues in the Recycled Water Policy Amendments are: <ul style="list-style-type: none"> ○ Introduces goal to increase recycled water where wastewater is otherwise discharged to ocean, bays, and estuaries. ○ Terminates Region 2 96-011 Recycled Water General Order three year after Policy Amendment adoption (April 2020). ○ Adds to the procedural burdens in obtaining Wastewater Change Petition. ○ Removes requirement for priority pollutant monitoring. • On April 8, 2020, SF Regional Water Board transitioned 96-011 permittees to the statewide General Order by issuing a NOA and modified MRP. BACWA had previously provided comments on the draft NOA and MRP documents. All permittees were transitioned with the exception of City of Livermore, Delta Diablo, Napa Sanitation, and SASM who have older Title 22 Engineering Reports; they will be enrolled at a later date following a review by DDW. • As of 2020, recycled water production must be reported to the state's GeoTracker.database by April 30 each year. This requirement is being included in all newly issued NPDES permits. 	<ul style="list-style-type: none"> • Support member agencies as they implement new monitoring and reporting requirements. • BACWA Recycled Water Committee continues to collaborate with Regional Water Board staff. In September 2020, Committee leaders provided an update to Regional Water Board members on the transition to the General Order as well as recycled water projects and activities in the SF Bay area . 	<p>2016 State Recycled Water General Order: http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2016/wqo2016_0068_dw.pdf</p> <p>State Recycled Water Policy Amendment Page: https://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/index.html#amendment</p> <p>NOA and MRP for enrollment of Bay Area agencies in statewide General Order: https://bacwa.org/wp-content/uploads/2020/11/2020-04_NOA-Recycled-Water-04-08-20.pdf</p> <p>September 2020 Regional Water Board staff report: https://www.waterboards.ca.gov/rwqcb2/board_info/agendas/2020/September/7_ssr.pdf</p>

“Parking lot” issues with no updates can be found in previous [BACWA issues summaries](#).

ACRONYMS

ADC	Alternate Daily Cover
BAAQMD	Bay Area Air Quality Management District
BTU/SCF	British thermal units per standard cubic foot
CARB	California Air Resources Board
CASA	California Association of Sanitation Agencies
CAP	Criteria Air Pollutant
CEC	Compound of Emerging Concern
CIWQS	California Integrated Water Quality System
CVCWA	Central Valley Clean Water Agencies
CWEA	California Water Environment Association
EC25/IC25	25% Effect Concentration/25% Inhibition Concentration
ELAP	Environmental Laboratory Accreditation Program
ELTAC	Environmental Laboratory Technical Advisory Committee
EPA	United States Environmental Protection Agency
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FY	Fiscal Year
GHG	Greenhouse Gas
HRSA	Health Risk Screening Analyses
HRA	Health Risk Assessment
MCL	Minimum Contaminant Level (Drinking Water)
MGD	Million Gallons per Day
NACWA	National Association of Clean Water Agencies
NELAC	National Environmental Laboratory Accreditation Conference
PCB	Polychlorinated Biphenyl
POTW	Publicly Owned Treatment Works
PS	Prioritization Score
RMP	Regional Monitoring Program
RPA	Reasonable Potential Analysis
SCAP	Southern California Alliance of POTWs
SF Bay	San Francisco Bay
SFEI	San Francisco Estuary Institute
TAC	Toxic Air Contaminant
TMDL	Total Maximum Daily Load
TIN	Total Inorganic Nitrogen
TNI	The NELAC Institute
TST	Test of Significant Toxicity
WQBEL	Water Quality Based Effluent Limitation
WQO	Water Quality Objective

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Agenda Explanation
 North Bay Water Reuse Authority
 Board of Directors
 April 19, 2021

ITEM NO. 10 APPROVAL OF FISCAL YEAR 2021/22 BUDGET

Action Requested

That the Board approve the proposed Fiscal Year 2021/22 Budget.

Summary

At present, activities for NBWRA by both the consultant teams and administrative teams are minimal.

Phase 1 is winding down, with the last remaining construction project targeting a March 2021 completion date. Phase 1 administration costs are billed through the grant and the local cost share will be reimbursed by the Phase 1 members outside this NBWRA Budget. Phase 2 tasks have generally paused on the federal funding side.

Using recent spend rates as a guide and barring new direction from the board or a triggering event at the federal or state level, Sonoma Water is projecting minimal costs for FY2021/22. We anticipate these costs can be covered by billing all members \$5,000 under the Joint Use Account.

Therefore, for FY2021/22, Sonoma Water is recommending the following costs:

Phase 1 – No new costs under this budget. There is adequate funding encumbered under existing agreements for assistance during closeout. SCWA administration is billed through the grant and the local cost share will be reimbursed by Phase 1 members per the existing agreement. During closeout, a true up will occur for all Phase 1 members.

Phase 2 – No new costs under this budget. There is adequate funding for existing agreements, administration, and planned contingent tasks in encumbrances, budget rollover, and fund balance barring a triggering event. If a triggering event occurs, a budget amendment may be needed.

Joint Use – \$50,000 in new costs under this Budget. Costs would be split evenly by all members. \$40,000 will replenish the admin budget and \$10,000 will fund “Optional Task 7: Additional Services” under Brown & Caldwell’s existing agreement. Unlike funds encumbered under other tasks in their agreement, these funds would be available for work that benefits all members regardless of phase participation. In the coming months, a budget amendment may be needed if the board approves work requiring more resources.

The agreements with Brown & Caldwell and Weir Technical Services both are scheduled to end on June 30, 2021. There are remaining balances in both contracts. Sonoma Water plans to issue a no cost extension to the Weir Technical Services agreement. Pending Board approval, Sonoma Water will amend the Brown & Caldwell contract to add \$10,000 and extend the contact.

Attached is a detailed FY2021/22 Budget as described above. The detailed budget also includes the associated costs for all Phase 1 and Phase 2 agencies. The proposed costs and revenue from the member agencies are also summarized below.

FY2021/22 Member Agency Invoice Breakdown

Agency	Phase 1	Phase 2 Support	Phase 2 Feasibility Study	Joint Use	Total
LGVSD	\$0	\$0	\$0	\$5,000	\$0
Napa SD	\$0	\$0	\$0	\$5,000	\$0
Novato SD	\$0	\$0	\$0	\$5,000	\$0
SVCSD	\$0	\$0	\$0	\$5,000	\$0
SCWA	\$0	\$0	\$0	\$5,000	\$0
NMWD	\$0	\$0	\$0	\$5,000	\$0
Napa County	\$0	\$0	\$0	\$5,000	\$0
Petaluma	\$0	\$0	\$0	\$5,000	\$0
MMWD	\$0	\$0	\$0	\$5,000	\$0
American Canyon	\$0	\$0	\$0	\$5,000	\$0
Total	\$0	\$0	\$0	\$50,000	\$0

There should be additional revenue of \$5,000 from Marin County as an Associate Member. The total to be billed to all agencies would be \$55,000.

Recommendation

It is recommended that the Board approve the attached FY2021/22 Budget.

Attachment

Proposed Fiscal Year 2021/22 Budget

**2021/22 Budget Allocations
Proposed (April 19, 2021)**

Phase 1 Support												
	Current FY Budget Balance	2021/22 Additional Budget	LGUSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon
MOU Percent for Phase 1			7.239%	31.894%	8.611%	27.473%	3.572%	17.640%	3.571%	0.000%	0.000%	0.000%
Grant Applications and Management - BC	29,696.76	-	-	-	-	-	-	-	-	-	-	-
Total	\$ 29,697	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Phase 2 Support												
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Current FY Budget Balance	2021/22 Additional Budget	LGUSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon
Percent for Phase 2 Support			0.000%	14.286%	14.286%	14.286%	14.286%	0.000%	0.000%	14.286%	14.286%	14.286%
Program Development - TBD	18,920.55	-	-	-	-	-	-	-	-	-	-	-
Federal Advocacy - TBD	17,817.55	-	-	-	-	-	-	-	-	-	-	-
State Advocacy - TBD	17,500.00	-	-	-	-	-	-	-	-	-	-	-
Total	\$ 54,238.10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Phase 2 Feasibility Study - Two Years												
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Current FY Budget Balance	2021/22 Additional Budget	LGUSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon
Percent for Phase Engineering mtgs, etc.			0.000%	14.286%	14.286%	14.286%	14.286%	0.000%	0.000%	14.286%	14.286%	14.286%
Engineering Tasks 1 & 5: Mtgs, Admin, Grant Admin and Outreach - BC	49,502.74	-	-	-	-	-	-	-	-	-	-	-
Percent for Phase 2 Feasibility Study			0.000%	30.303%	21.212%	9.091%	6.061%	0.000%	0.000%	21.212%	3.030%	9.091%
Engineering: Task 2 Feasibility Study - BC	12,035.46	-	-	-	-	-	-	-	-	-	-	-
Percent for Phase 2 EIR/EIS & Financial Cap			0.000%	6.755%	8.198%	4.784%	9.962%	0.000%	0.000%	44.009%	10.355%	15.936%
Engineering Tasks 3 & 4 : Environmental and Financial Capability - BC	27,204.45	-	-	-	-	-	-	-	-	-	-	-
Percent for Phase 2 SCWA			0.000%	14.286%	14.286%	14.286%	14.286%	0.000%	0.000%	14.286%	14.286%	14.286%
SCWA Administration - Grants and EIR/EIS	20,997.81	-	-	-	-	-	-	-	-	-	-	-
Total	\$ 109,740.46	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Joint Use												
Shared on the Basis of Phase 2 Project Cost in Feasibility Study	Current FY Budget Balance	2021/22 Additional Budget	LGUSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon
Percent for Joint Use			10.000%	10.000%	10.000%	10.000%	10.000%	10.000%	10.000%	10.000%	10.000%	10.000%
Program Management - Weir	16,762.45	-	-	-	-	-	-	-	-	-	-	-
Engineering Task 7: Additional Services - BC	-	10,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00
SCWA Administration	1,151.18	40,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Total	\$ 17,913.63	\$ 50,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00

Summary per Agency												
Agency	Current FY Budget Balance	2021/22 Additional Budget	LGUSD	Napa SD	Novato SD	SVCSD	SCWA	NMWD	Napa County	Petaluma	MMWD	American Canyon
Total	\$ 211,589	\$ 50,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000

Associate Members	
Marin County	5,000

Total Billable	\$ 55,000
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ITEM NO. 11 APPROVAL OF AGREEMENT EXTENSIONS FOR BROWN AND CALDWELL FOR ENGINEERING, ENVIRONMENTAL, AND OUTREACH SERVICES AND FOR WEIR TECHNICAL SERVICES FOR PROGRAM MANAGEMENT SERVICES

Action Requested

That the Board approve extensions to the agreements with Brown and Caldwell and Weir Technical Services.

Summary

The agreements with Brown and Caldwell and Weir Technical Services are set to end on June 30, 2021. Sonoma Water plans to extend and pending budget approval, add \$10,000 under Optional Task 7: Additional Services to the existing Brown & Caldwell agreement. This extension will allow NBWRA time to determine what course it will proceed on. Based on the outcome of the next couple of NBWRA Board meetings, Brown and Caldwell will develop a scope of work and associated cost for the remainder of FY2021/22. Sonoma Water intends to extend the agreement with Weir Technical Services for time only for two years.

Both amended agreements need to be approved by Sonoma Water's Board of Directors. Sonoma Water anticipates amending both agreements in early July 2021.

Recommendation

It is recommended that the agreements with Brown and Caldwell and Weir Technical Services be extended as described.

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ITEM NO. 12 PHASE 1: STATUS OF RECONCILIATION AND CLOSEOUT ACTIVITIES

Action Requested

None at this time

Summary

Due to the continued delays with completing Phase 1, a time extension was requested and granted by USBR. The new (and final) completion date is now September 30, 2021.

Reconciliation and closeout are ongoing as Sonoma Water and Las Gallinas Valley Sanitary District (LGVSD) work to complete the LGVSD Recycled Water Treatment Upgrade project which was the sole remaining Phase 1 project.

LGVSD issued a press release on March 17, 2021 announcing the completion of the Recycled Water Treatment Upgrade project. Sonoma Water and LGVSD are working on financial and progress reports for the period ending March 31, 2021. Once these reports are complete, we will shift into the final phase of administrative reconciliation working towards full closeout of the Phase 1 grant agreement.

The closeout will include the final reconciliation and cost reallocation as well as submittal of the project closeout report to USBR.

Recommendation

None at this time.

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ITEM NO. 13 STATUS OF PHASE 2

Action Requested

None at this time

Summary

At the October 26, 2020 meeting, the Board took the following actions: 1) Resolve cost sharing issues to include Marin County's project; 2) Complete an Addendum to the Feasibility Study for additional Phase 2 projects, including options for SVCSD in case the 8th Avenue project is deemed not eligible; and 3) Submit a WIIN application for the appropriate Phase 2 projects. Sonoma Water has revised the description and layout for its effluent line along 7th and 8th Streets in Sonoma as described at the February 22, 2021 meeting. The Consultant team continues to work on updating the feasibility study to add the new City of Petaluma and Sonoma Water projects to the existing Phase 2 Program.

The subgroup has been working over the last few months to develop the necessary information such that Marin County can make a decision regarding participation in Phase 2. The key issue is how to incorporate the Marin County project in the cost sharing required by the NBWRA Memorandum of Understanding (MOU). Currently Marin County is an Associate Member, which has annual dues of \$5,000. There have been issues with sending invoices to Marin County which have now been corrected.

Marin County has been working with Novato Sanitation District on their project and has paid them for some costs associated with Phase 2. Novato San has paid into Phase 2 but has opted to not pursue any Phase 2 Projects. At true-up, some of their costs would be reimbursed. There is precedence for one agency working under another agency. Napa County worked in conjunction with Napa Sanitation District during Phase 1. Napa County paid for some of the Phase 1 costs through a separate arrangement with Napa San. Napa County ultimately became a member of NBWRA and participated in the joint use costs.

A similar arrangement could be used to incorporate Marin County's project in Phase 2. Additional costs for the Phase 2 addendum would likely be covered by Phase 2 payment already made by Novato San once the true up occurs at the completion of Phase 2. At least one party would need to be a full member of NBWRA per the MOU. Novato San desires to drop down to the Associate Member level. Marin County could become a full member and would only need to participate in the joint use costs. Those costs are much lower now that there is no formal lobbying and program development effort. Of course, Marin County is concerned with potential costs, which have not yet been clearly identified. However, all parties believe that a solution can be developed that is fair and equitable to all parties, including current Phase 2 participants.

Staff continue to develop an estimated cost for a Marin County project to be included in Phase 2. It is believed that a Marin County project would be beneficial in the WIIN application and subsequent review process. One alternative that is being explored is should the potential benefit to exist Phase 2 agencies from having Marin County participate in a successful WIIN application process result in reduced costs for them to become a full Phase 2 member in NBWRA. This analysis is a work in progress and has not yet been fully resolved.

Another issue is the schedule for a notice from Reclamation that WIIN funding is available. The election complicates this issue as well. Reclamation has indicated that the notice is likely this fall or early in the new year. The next Board meeting is April 19, 2021. It is likely that the notice will be issued prior to that date.

Recommendation

None at this time. This is an information item only.

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ITEM NO. 14 WIIN APPLICATION STATUS**Action Requested**

None at this time.

Summary

At the October 26, 2020 Board meeting the Board authorized submittal of a WIIN application for applicable Phase 2 projects. The consultant team is working to identify potential projects to include in the next WIIN application and making the necessary updates to existing documents to include new potential projects. The team has engaged Amanda Erath with Reclamation in these discussions.

Reclamation released a Title XVI WINN Act funding opportunity on March 24 that is due April 23. The consultant team had a series of conversations with both the City of Petaluma and City of American Canyon to determine if they were interested in moving forward with a formal submittal. Ultimately it was decided to hold off and look to apply next year. This decision was taken primarily because of the timeline outlined in the funding opportunity. To be eligible to receive project funding, work needed to be completed before September 30, 2023. That timeline did not align with the current construction schedule of the proposed projects. The City of Petaluma considered including only design costs but after reviewing the language included in the executed agreements, it was found not to be eligible. We talked to Reclamation about potentially including some of the projects that had been identified and are the source of the current Feasibility Study update but unfortunately those projects were deemed not eligible for inclusion in this grant application since Reclamation had not yet formally reviewed and approved the updates.

On a related note, a summary of Assembly Bond 2021 - Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022 is attached for the Board's information

Recommendation

None at this time.

Attachments

Summary of Assembly Bond 2021 - Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022.

Assembly Bond 2021 - Safe Drinking Water, Wildfire Prevention, Drought Preparation, Flood Protection, Extreme Heat Mitigation, and Workforce Development Bond Act of 2022

Total: **\$6.7 billion** (RN 2105175)

General Provisions (Chapter 1)

- At least 25% set aside for projects that benefit vulnerable populations, under-resourced, or disadvantaged communities, with at least an additional 10% for severely disadvantaged communities
- Up to 10% may be allocated for technical assistance and capacity building
- Up to 5% for ongoing monitoring and scientific review
- Allows advanced payments to grant recipients of up to 25% of grant award

Wildfire (Chapter 2): \$1.1 billion

- \$300 million for pre-hazard mitigation program – Office of Emergency Services
- \$500 million for forest resilience and wildfire risk reduction:
 - \$150 million for Regional Forest and Fire Capacity Program
 - \$150 million for long-term forest health – Cal Fire
 - \$150 million for watershed improvements that use prescribed fire – Resources Agency
 - \$50 million to Sierra Nevada Conservancy
- \$30 million for development of alternative uses of forest products – ARB
- \$70 million to reduce fire risk to state parks – State Parks
- \$150 million to cities, counties, districts, and regional park entities to improve climate resilience – Resources Agency
- \$50 million for workforce development programs that improve climate resilience - CA Conservation Corps and local corps

Coastal and ocean climate risks (Chapter 3): \$1.2 billion

- \$1 billion for coastal resilience – Coastal Conservancy
 - \$300 million for SF Bay Restoration Authority Act
 - \$10 million to SF Bay Area Conservancy Program
 - \$10 million to Santa Ana River Conservancy Program
 - \$100 million for natural infrastructure projects
 - \$65 million for dam removal
- \$30 million for coastal planning – Coastal Commission
- \$20 million for coastal planning - SF Bay Conservation and Development Commission
- \$80 million for CA Ocean Protection Trust Fund – Ocean Protection Council
- \$20 million CO2 sequestration in ocean ecosystems – Ocean Protection Council
- \$50 million to reduce risks from sea level rise in state parks – State Parks

Safe drinking water/drought preparation/flood protection (Chapter 4): \$1.6 billion

- \$250 million for SGMA implementation (65% in critically overdrafted basins) – DWR
- \$300 million for safe drinking water – Water Board
 - \$30 million for drought contingency plans

- \$100 million for cleaning up contaminated groundwater or surface water supplies that are drinking water sources – Water Board
- \$400 million for restoration of rivers, lakes, streams to improve water quality or water supply – Resources Agency
 - \$240 million for Salton Sea
 - \$30 million to Salton Sea Authority
 - \$2 million for community-directed grants
 - \$30 million for Tijuana River
 - \$25 million for LA River – Santa Monica Mountains Conservancy
 - \$25 million for LA River – Rivers and Mountains Conservancy
- \$15 million for New River - CalEPA
- \$200 million for multibenefit flood protection projects – DWR
 - \$50 million for coastal urban watersheds
 - \$50 million for Delta levees
- \$35 million for central valley flood planning – Central Valley Flood Protection Board
- \$300 million for water recycling projects – Water Board

Protecting fish, wildlife, and natural areas (Chapter 5): \$800 million

- \$400 million to Wildlife Conservation Board (WCB)
- \$50 million for groundwater projects that provide wildlife habitat – WCB
- \$50 million for fish and wildlife habitat – DFW
- \$300 million for climate risk reduction projects - state conservancies (no less than \$10 million per conservancy; except for Coastal Conservancy which gets funding in Chapter 3)

Protecting farms, ranches, and working Lands (Chapter 6): \$300 million

- \$150 million to CDFA
 - \$50 million for climate practices on farms and ranches, including those that promote soil health, carbon sequestration, air/water quality, groundwater recharge/surface water, fish/wildlife habitat
 - \$40 million for ag water efficiency
 - \$40 million for methane emissions reductions from manure
 - \$20 million for invasive species control
- \$100 million for agricultural infrastructure and facilities that support disadvantaged farmers and small and medium sized farmers - CDFA
- \$50 million for protection, restoration, and enhancement of farmland and rangeland – Dept. of Conservation

Extreme Heat (Chapter 7): \$640 million

- \$400 million for Statewide Park Development and Community Revitalization Act of 2008 (AB 31) program – State Parks
 - \$50 million to address historic underinvestment in Central Valley, Inland Empire, gateway, rural, and desert communities
- \$75 million for urban greening that benefits vulnerable populations – Resources Agency
- \$75 million for urban forestry – Cal Fire

- \$50 million for low-income weatherization – Dept. of Community Services and Development
- \$40 million to reduce urban heat island effect and other extreme heat impacts – SGC

Regional Climate Resilience (Chapter 8): \$1.06 billion

- \$850 million to address impacts of climate change to communities – SGC
- \$100 million for Transformative Climate Communities program – SGC
- \$50 million for community resilience centers – OES
- \$60 million to upgrade fairgrounds for disaster staging/evacuation centers – CDFA

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Agenda Explanation
North Bay Water Reuse Authority
Board of Directors
April 19, 2021

ITEM NO. 15 ITEMS FOR THE NEXT AGENDA

Action Requested

None at this time.

Summary

Items for the next Agenda include regular reports, Phase 1 and Phase 2 Status Reports, Water Bond Status, continue the discussion of possible future projects and direction for NBWRA.

Recommendation

None at this time.