



**REGULAR MEETING
OF THE BOARD OF DIRECTORS
OF THE LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY**

Wednesday, February 15, 2023, 6:00 p.m.

Due to State of Emergency related to Covid-19 and the need to maintain social distancing, this meeting will be conducted via teleconference.

Meeting participants and the public may participate through computer video and audio by clicking on the following link: <https://us02web.zoom.us/j/89962740578>

We recommend using your full name to log in for the meeting for ease of identification and recordkeeping purposes.

Meeting ID: 899 6274 0578

**One tap mobile if using audio only from a telephone and not a computer
+1 669 900 9128 - 89962740578# US (San Jose)**

See below for additional info on participation procedures.

- 1. Call to Order**
- 2. Pledge of Allegiance**
- 3. Roll Call**
- 4. Order of Agenda/Acknowledgement of Posting**
(The agenda may be re-ordered by motion of the Board. The agenda has been posted virtually on the Agency's website and, to the extent possible under the circumstances, physically in the display case outside the DSRSD Building, Pleasanton City Hall and Livermore City Hall at least 72 hours prior to a regular meeting and 24 hours prior to a special meeting.)
- 5. Public Comment**
(See text in box below for information on how to observe and submit public comments.)
- 6. Consent Calendar**
(All items on the Consent Calendar will be considered together by one or more action(s) of the Board unless a Board member pulls an item.)
 - 6.a. Board Meeting Minutes for the November 16, 2022 meeting**
(The Board will consider approving the minutes from the November 16, 2022 Board meeting.)

Resolution	6.b. Consider Adopting a Resolution Authorizing Continued Remote Teleconference Meetings of the Legislative Bodies of the Livermore-Amador Valley Water Management Agency Pursuant to Brown Act Provisions
Pages 10– 15	(The Board will consider how the State of Emergency impacts the ability of the LAVWMA Board and its legislative bodies to meet safely in person due to COVID-19, the strong recommendation by local health authorities to hold public meetings online, and/or the imminent health and safety risks of meeting in person, and the limitations of the meeting spaces available to LAVWMA to maintain social distancing or hold meetings outdoors, and consider whether to adopt a resolution to continue remote meetings for the next 30 days in compliance with AB 361 to better ensure the health and safety of the public.)
Action	7. Annual Board Rotation – Elect Chair and Vice Chair for the Remainder of FY2022/23 and for FY2023/24
Pages 16 – 17	(The Board will elect a Chair and Vice Chair for the remainder of FY2022/23 and for FY2023/24.)
Action	8. Establish Protocols for Future Meetings
Pages 18 – 20	(The Board will review options and establish protocols for in-person and remote participation in future meetings under the Brown Act.)
Information	9. Financial Reporting for the Fiscal Year Ending June 30, 2023
Pages 21 – 27	(The Board will review the Financial Reports and other financial items for the Fiscal Year ending June 30, 2023.)
Resolution	10. Resolution Adopting a Conflict of Interest Code for the Livermore-Amador Valley Water Management Agency and Rescinding the Prior Conflict of Interest Code
Pages 28 – 33	(Staff will report on recommended updates to the Conflict of Interest Code, which include adding the position of Assistant Treasurer to the list of Government Code section 87200 filers and the Board will consider adopting a revised Conflict of Interest Code and rescinding the prior Conflict of Interest Code.)
Information	11. LAVWMA Quarterly Report of Operations, 1st Quarter, FY2022-2023
Pages 34 – 58	(The Board will review the Quarterly Report of Operations, 1st Quarter, FY2022-2023.)
Information	12. Project Status Reports - Motor Control Center Replacement Project, Purchase of Three Vertical Turbine Pumps, and the San Leandro Sample Station Improvements Project
Pages 59 – 60	(The Board will receive status reports on projects at the Export Pump Station and the San Leandro Sample Station.)
Information	13. Project Status Reports – Review of Options to Address PG&E Electrical Service Reliability and Photo Voltaic / Battery Storage Options
Pages 61 – 64	(The Board will receive status reports and review Options to Address PG&E Electrical Service Reliability and Photo Voltaic / Battery Storage Options.)
Resolution	14. Resolution Designating Authorized Representatives For FEMA And California OES Disaster Assistance
Pages 65– 66	(The Board will consider a resolution designating officials in specified roles within LAVWMA to be the authorized representatives for state and federal disaster cost recovery funding assistance.)

- Information** **15. Update and Response to Various Legal and Legislative Issues**
Pages 67 – 94 (The Board will receive a report regarding proposed legislation and legal developments affecting LAVWMA and its member agencies.)
- Information** **16. General Manager's Report**
Pages 95 – 110 (The Board will review the General Manager's Report regarding the operations and maintenance of the Agency and its facilities.)
- Information** **17. Matters From/For Board Members**
 (Board members may make brief announcements or reports on his or her 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.)
- 18. Next Regular Board Meeting, Wednesday, May 17, 2023, 6:00 p.m. at DSRSD**
- 19. Adjournment**

IMPORANT NOTICE REGARDING COVID-19 AND TELECONFERENCED MEETINGS:

Due to the State of Emergency declared by the Governor and the recommendation by the County Public Health Officer to maintain social distancing, to minimize the spread of the coronavirus, please note the following changes to LAVWMA's ordinary meeting procedures:

- LAVWMA's facilities are not open to the public during this emergency.
- The meeting will be conducted via teleconference.
- All members of the public seeking to observe and/or to address the Board may participate in the meeting telephonically in the manner described below.

HOW TO PARTICIPATE IN THE MEETING:

For both audio and video through a computer, click on the following link:

<https://us02web.zoom.us/j/89962740578> Meeting ID: 899 6274 0578

For audio only via telephone, dial 1 669 900 9128 then enter the following code 89962740578#

NOTE: This is a public meeting that can be heard live by any member of the public. It may be recorded to facilitate taking meeting minutes.

HOW TO SUBMIT PUBLIC COMMENTS:

Written / Read Aloud: Please email your comments to info@lavwma.com, write "Public Comment" in the subject line. In the body of the email, include the agenda item number and title, as well as your comments. If you would like your comment to be read aloud at the meeting (not to exceed three (3) minutes at staff's cadence), prominently write "Read Aloud at Meeting" at the top of the email. All comments received before 12:00 PM the day of the meeting will be included as an agenda supplement on LAVWMA's website under the relevant meeting date and provided to the Directors at the meeting. Comments received after this time will be treated as concurrent comments.

Live Comments: During the meeting, the Board President or designee will announce the opportunity to make public comments. Members of the public may submit a live remote public comment via Zoom. Speakers will be asked to provide their name and city of residence, although providing this is not required for participation. Each speaker will be afforded up to 3 minutes to speak. Speakers will be muted until their opportunity to provide public comment. When the Board President opens a public comment period on an item on which you would like to comment, please use the "raise hand" feature (or press *9 if connecting via telephone) which will alert staff that you have a comment to provide

LAVWMA Regular Meeting of February 15, 2023

ACCESSIBILITY INFORMATION:

Board Meetings are accessible to people with disabilities and others who need assistance. Individuals who need special assistance or a disability-related modification or accommodation (including auxiliary aids or services) to observe and/or participate in this meeting and access meeting-related materials should contact Chuck Weir, General Manager, as soon as possible but at least 72 hours before the meeting at (925)-875-2202 or info@lavwma.com. Advanced notification will enable LAVWMA to swiftly resolve such requests to ensure accessibility.

PUBLIC RECORDS:

Public records that relate to any item on the open session agenda for a meeting are available for public inspection. Those records that are distributed after the agenda posting deadline for the meeting are available for public inspection at the same time they are distributed to all or a majority of the members of the Board. The Board has designated LAVWMA's website located at http://lavwma.com/agency_meetings.php as the place for making those public records available for inspection. The documents may also be obtained by contacting the General Manager.

CEQA NOTICE:

Unless expressly stated otherwise on the agenda (that a negative declaration, mitigated negative declaration, or environmental impact report is being considered), discretionary actions taken on agenda items will include a finding by the Board that the action is exempt under the California Environmental Quality Act (CEQA). More information about the CEQA determination can be found in the corresponding staff report.

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LAVWMA
Livermore-Amador Valley Water Management Agency
Draft
Minutes
Special Meeting of Board of Directors
Wednesday, November 16, 2022
Pursuant to AB 361, this was a web meeting available to participants and the public
through the following link: <https://us02web.zoom.us/j/83475474408>
6:00 p.m.

1. Call to Order

Chair Julie Testa called the meeting to order at 6:02 p.m.

2. Pledge of Allegiance

The Pledge of Allegiance, led by Chair Testa, was recited.

3. Roll Call

Board Members Present: Chair Julie Testa; Vice Chair Bob Carling; and Directors Valerie Arkin (arrived at 6:06 p.m.), Gina Bonanno, Arun Goel, and Ann Marie Johnson

Staff Present: General Counsel Alexandra Barnhill, Treasurer Carol Atwood, DSRSD Engineering Services Director Steven Delight, DSRSD Assistant General Manager Jan Lee, DSRSD Finance Manager Herman Chen, DSRSD Administrative Assistant Sheree Davis, DSRSD Administrative Assistant Dana d'Angelo, Livermore Water Resources Manager Anthony Smith, and General Manager Chuck Weir

Others: David Alvey, Maze & Associates

4. Order of Agenda/Acknowledgement of Posting

There were no changes to the order of the agenda. General Manager Weir introduced Sheree Davis a new Administrative Assistant II at DSRSD who works for Treasurer Atwood. Ms. Davis will be helping LAVWMA.

5. Comments from the Public

There were no comments from the public.

6. Consent Calendar

- a. Minutes of the August 17, 2022 LAVWMA Board Meetings

Director Bonanno motioned, seconded by Director Arkin, to approve Consent Calendar Item No. 6.a.

There were no comments from the public. The Motion passed unanimously (6 – 0) by a roll call vote.

7. Consider Adopting a Resolution Authorizing Continued Remote Teleconference Meetings of the Legislative Bodies of the Livermore-Amador Valley Water Management Agency Pursuant to Brown Act Provisions

General Counsel Barnhill previously described this issue, including the expiration of the Governor's Executive Order that temporarily allowed remote meetings, the passage of AB 361 allowing public agencies to continue to meet remotely provided that certain findings (describing the health and safety reasons justifying remote participation) can be made, a decision by DSRSD to make all meetings in its chambers remote through September and an order from the Contra Costa County Public Health Department, which was updated on August 9, 2022, recommending that public meetings be held remotely to reduce the spread of COVID-19. The end result is that, so long as the findings can continue to be made, remote meetings will be allowed until January 1, 2024, when AB 361 will sunset. A resolution similar to the one proposed making the necessary findings will need to be approved at each regular meeting. Following discussion, the Board agreed to hold the February 15, 2023 meeting via Zoom, and that would be the last Zoom meeting unless circumstances dictate otherwise.

Director Carling motioned, seconded by Director Arkin, to approve Resolution No. 22-05 Authorizing Continued Remote Teleconference Meetings of the Legislative Bodies of the Livermore-Amador Valley Water Management Agency Pursuant to Brown Act Provisions.

There were no comments from the public. The Motion passed unanimously (6 – 0) by a roll call vote.

8. Financial Reporting for the Fiscal Year Ending June 30, 2023

Treasurer Atwood provided a summary of the first quarter financial report for the Fiscal Year Ending June 30, 2023. She noted that all expenses are tracking normally. She also reported on two additional items. The first item is setting up a new account with Charles Schwab to allow LAVWMA to invest \$13.5 million in 6, 12, and 18 month Treasury Notes, which will allow LAVWMA to increase the return on its reserve funds from approximately 2.5% to approximately 4.5%. She, General Manager Weir, and Finance Manager Chen have signed the necessary documents to set up the account. Treasurer Atwood also noted that staff are recommending amending the agreement for Treasurer Services with DSRSD to establish the position of Assistant Treasurer and appoint Herman Chen to that position. This will provide better segregation of financial duties as well as provide a back up for purchasing treasury notes.

Board members spoke in support of these items and thanked staff for being proactive in finding solutions to increase the rate of return on investments.

This was an information item only requiring no action by the Board.

9. Acceptance of the Audit Report for Fiscal Year Ending June 30, 2022

Treasurer Atwood introduced David Alvey, Maze & Associates. His firm conducted the audit of LAVWMA's finances for FYE22. He briefly discussed the process used and noted that this was a clean audit opinion. Mr. Alvey also discussed the Memorandum on Internal Control and Required Communications (MOIC) and noted that no issues were identified by their audit. He

complimented Treasurer Atwood, Herman Chen, and DSRSD's staff for their efforts to properly manage LAVWMA's finances.

Director Bonanno motioned, seconded by Director Carling, to accept the Audit Report for the Fiscal Year ending June 30, 2022.

There were no comments from the public. The Motion passed unanimously (6 – 0) by a roll call vote.

10. Third Amendment to the Agreement with Dublin San Ramon Services District for Treasurer Services and Appointment of Herman Chen as Assistant Treasurer

Treasurer Atwood provided a summary of the proposed amendment as described in Agenda Item No. 8. The amendment creates the position of Assistant Treasurer and appoints Herman Chen to that position.

Director Arkin motioned, seconded by Director Goel, to approve the Third Amendment to the Agreement with DSRSD for Treasurer Services and Appointment of Herman Chen as Assistant Treasurer.

There were no comments from the public. The Motion passed unanimously (6 – 0) by a roll call vote.

11. LAVWMA Quarterly Report of Operations, 1st Quarter, FY2022-2023

General Manager Weir provided an overview of the report and noted the various charts showing pump performance, electrical usage, and maintenance activities. This was an information item only requiring no action by the Board.

12. Project Status Reports – Motor Control Center Replacement Project, Purchase of Three Vertical Turbine Pumps, and the San Leandro Sample Station Improvements Project

General Manager Weir noted that the Notice of Completion for the MCC project has been filed with the County and that the project is now complete. Delivery of the three pumps has been delayed by the manufacturer until February 2023 due to supply chain issues. The San Leandro Sample Station project is also progressing. It is anticipated that a bid packet will be issued early in 2023. This was an information item only requiring no action by the Board.

13. Project Status Reports – PG&E Electrical Service Reliability and Photo Voltaic / Battery Storage Options

General Manager Weir noted that the agreement with DTN engineers for the MCC design has been amended to provide for updating the 2015 solar panel feasibility study as well as providing a report and recommendations on PG&E Electrical Service Reliability. This electrical service reliability report was included in the packet. The report notes that PG&E can no longer be counted on to provide continuous power and that the second feeder does not have the capacity to provide power for nine pumps if the first feeder loses power. The report further recommends installing a 1.5 MW standby generator to provide power for at least two large pumps in case of

loss of power. It would take at least two years to complete such a project. The issues have been discussed with the Staff Advisory Group and other options are being considered. These options include better flow management and storage and utilizing portable generators on a short term basis. A modeling effort will also be undertaken to help determine how to better manage flow storage at the pump station and two treatment plants. This effort will allow LAVWMA to better determine standby power needs. Additional information and possible recommendations will be provided at the February 15, 2023 meeting.

General Manager Weir then discussed the status of the solar panel study. DTN Engineers is also working on this project. It initially appears that a project of approximately 1.75 MW can be constructed at the pump station utilizing roads and parking areas. A project of this size would offset approximately 38% of LAVWMA's energy usage. DTN and LAVWMA are working with Total Energies who will provide a formal proposal that could be used in a bid process for a Power Purchase Agreement with private companies. Additional information and possible recommendations will be provided at the February 15, 2023 meeting.

This was an information item only requiring no action by the Board.

14. Authorization for the General Manager to Enter into a Memorandum of Agreement to Participate in the Regional Purified Water Project – Phase 2

General Manager Weir and DSRSD Assistant General Manager Jan Lee provided a summary of this item. The Memorandum of Agreement (MOA) will formalize DSRSD, ACWD, Zone 7 Water Agency, and Union Sanitary District's commitment to implementing Phase 2, which would involve cost-sharing on the preparation of a Public Outreach Plan with the assistance of a hired consultant. It is proposed that LAVWMA would also be a party to this agreement due to the potential location of the Pilot Project adjacent to the LAVWMA junction box structure. However, LAVWMA would not contribute funding to this Pilot Project and staff time on this effort is anticipated to be minimal. Director Arkin asked if any of the water produced by the project would end up in the Tri-Valley. All of the highly treated water would be delivered via the Alamo Canal to Alameda County Water District. There was additional discussion regarding potable reuse issues. Staff pointed out that any physical improvement project would be in Phase 3, which would have to come back to the Board for consideration. It was also noted that General Counsel Barnhill will review the MOA and ensure that there are no issues of concern for LAVWMA.

Director Carling motioned, seconded by Director Bonanno, to Authorize the General Manager to Enter into a Memorandum of Agreement to Participate in the Regional Purified Water Project – Phase 2.

There were no comments from the public. The Motion passed unanimously (6 – 0) by a roll call vote.

15. Update and Response to Various Legal and Legislative Issues

General Manager Weir provided an overview of the November 2022 updates from CASA and BACWA. The reports include updates on items of interest to water and wastewater agencies including PFAS, nutrients, microplastics and various other issues. He noted that the Governor

vetoed the bill that would have required manufacturers to report on PFAS concentrations in their products, which would allow public agencies to better develop source control programs to remove PFAS at their source. He also discussed the recent algal bloom in San Francisco Bay and BACWA's efforts to work with the Regional Board to better understand the cause of the bloom and implement the nutrient management permit.

General Counsel Barnhill noted that the Agenda packet has been structured to address the recent holding from *GI Industries v. City of Thousand Oaks*, a case from the Second District Court of Appeal. There, a court invalidated a city's action taken on an agenda matter because the California Environmental Quality Act (CEQA) exemption determination was not separately agendized, depriving the public of transparency. While this case may be appealed, out of an abundance of caution LAVWMA's agenda now includes an additional "CEQA" section that clarifies that discretionary agenda items should be assumed to be exempt and the public should refer to the staff report for details, unless the agenda specifies that substantive CEQA review (such as an MND or EIR) was prepared. This approach will balance the public's right to transparency with the burden on staff to prepare agenda materials.

This was an information item only requiring no action by the Board.

12. General Manager's Report

General Manager Weir highlighted several areas of his report, including asset management, succession planning, capital projects, and PG&E usage. This was an information item only requiring no action by the Board.

13. Matters From/For Board Members

Director Bonanno stated that this would be her last meeting as her term ends December 31, 2022. She thanked everyone for helping her to better understand the issues facing wastewater agencies. She also indicated she could be back in two years. Board members and staff thanked her for her service.

14, Next Regular Board Meeting, Wednesday, February 15, 2023 at 6:00 p.m.

Following discussion, the Board agreed to hold the February 15, 2023 meeting via Zoom and that thereafter staff should prepare for the meetings to resume being held in person at DSRSD's Board Room.

There were no comments from the public.

21. Adjournment

There being no further action, Chair Testa adjourned the meeting at 7:13 p.m.

Minutes Approved by the Board _____.

Charles V. Weir
General Manager

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ITEM NO. 6.b CONSIDER ADOPTING A RESOLUTION AUTHORIZING CONTINUED REMOTE TELECONFERENCE MEETINGS OF THE LEGISLATIVE BODIES OF THE LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY PURSUANT TO BROWN ACT PROVISIONS THROUGH FEBRUARY 28, 2023

Action Requested

Approve Resolution No. 23-01 Authorizing Continued Remote Teleconference Meetings of the Legislative Bodies of the Livermore-Amador Valley Water Management Agency Pursuant to Brown Act Provisions through February 28, 2023.

Background

Since March of 2020, public agencies have had the ability to meet remotely pursuant to various Executive Orders issued by Governor Newsom and a new state law that amended the Brown Act known as AB 361. As required by the law, the Board adopted Resolution 21-08 to allow fully remote meetings under AB 361 and has adopted subsequent resolutions making additional findings at each of its meetings.

Discussion

Under AB 361, if the state of emergency remains active for more than 30 days, a local agency must make the following findings by majority vote every 30 days to continue using the bill's exemption to the Brown Act teleconferencing rules. The findings are that:

- The legislative body has reconsidered the circumstances of the emergency; and
- Either of the following circumstances exist: The state of emergency continues to directly impact the ability of members to meet safely in person, or State or local officials continue to impose or recommend social distancing measures.

Staff is recommending that Resolution No. 23-01 be adopted as these findings can be made. Specifically, LAVWMA meets the requirements to continue holding meetings remotely in order to ensure the health and safety of the public because:

- LAVWMA is still under a state of emergency as declared by the Governor.
- Due to the recent surge of cases of COVID-19, flu, and RSV, Bay Area hospitals are running out of ICU beds for children. Not all individuals can be vaccinated against COVID-19 and/or flu due to health status or age. There is no RSV vaccination.
- County Public Health officers as well as state and federal officials have issued various health orders, recommendations, and updates designed to slow the spread of COVID-19, including

strongly recommending reducing exposure and that public meetings continue to be held remotely to protect public health.¹

- LAVWMA cannot maintain social distancing requirements for the public, staff, and Directors in its limited meeting space.

LAVWMA staff is concerned about protecting the health and safety of attendees, particularly given that even fully vaccinated people have contracted the Omicron variant, people may have and transmit the virus before knowing they are infected and/or if they are asymptomatic, meetings can last several hours, and LAVWMA meeting facilities are limited in space and jointly used by other agencies, with seats close together and limited air circulation.

For these reasons, the Board is being asked to approve a resolution making findings regarding the circumstances of the emergency and voting to continue using the law's exemptions. Holding meetings remotely does not compromise the level of transparency or engagement that the Brown Act was designed to ensure. Studies have shown that remote meetings maintain and/or enhance the transparency and accessibility of public agency meetings. The Little Hoover Commission has prepared a white paper which recommends that remote meetings be allowed on a permanent basis because of the evidence gathered showing that bringing meetings to the public, rather than the other way around, promotes public participation and engagement.²

Recommendation

Consider Adopting Resolution No. 23-01 Authorizing Continued Remote Teleconference Meetings of the Legislative Bodies of the Livermore-Amador Valley Water Management Agency Pursuant to Brown Act Provisions.

Attachments

Resolution No. 23-01 Authorizing Continued Remote Teleconference Meetings of the Legislative Bodies of the Livermore-Amador Valley Water Management Agency Pursuant to Brown Act Provisions.

¹ See, e.g. Contra Costa County Public Health Officer's "Recommendations for Safely Holding Public Meetings" (revised 10-4-2022) which provides that online meetings are encouraged as those meetings present the lowest risk of transmission of SARS-CoV-2, the virus that causes COVID-19. Available online at <https://cchealth.org/covid19/pdf/recommendations-for-safe-public-meetings.pdf>

² Available online at The Government of Tomorrow: Online Meetings <https://lhc.ca.gov/sites/lhc.ca.gov/files/Reports/261/Report261.pdf>

**LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
RESOLUTION NO. 23-01**

**A RESOLUTION OF THE LIVERMORE-AMADOR VALLEY WATER
MANAGEMENT AGENCY AUTHORIZING CONTINUED REMOTE
TELECONFERENCE MEETINGS OF THE LEGISLATIVE BODIES OF THE
LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY PURSUANT
TO BROWN ACT PROVISIONS**

WHEREAS, on March 4, 2020, the Governor of the State of California issued a Proclamation of a State of Emergency due to COVID-19. Such Proclamation remains and is in effect as of the date of this Resolution, as are the facts, circumstances, and emergency under which it was issued; and

WHEREAS, LAVWMA ordinarily holds its regular meetings on the third Wednesday in February, May, August, and November at 6 p.m. at the Pleasanton City Council Chambers, 200 Old Bernal Avenue, Pleasanton, California 94566; and

WHEREAS, the City of Pleasanton officially closed its public facilities as of March 20, 2020 due to the coronavirus pandemic, making the Council Chambers unavailable to the public; and

WHEREAS, on April 3, 2020 the Livermore-Amador Valley Water Management Agency (“Agency”) Board President issued a Declaration altering the regular meeting location to be held via teleconference only pursuant to Executive Order N-29-20. The Board ratified this Declaration at its regular meeting on May 20, 2020; and

WHEREAS, the Health Officers of the County of Alameda and Contra Costa (“Health Officers”) have issued various health orders and updates designed to slow the spread of COVID-19 (including variants thereof) such as vaccinations, quarantines, face covering requirements, and social distancing recommendations designed to protect public health; and

WHEREAS, on September 20, 2021, the Health Officer issued recommendations for safely holding public meetings, including strongly recommending teleconferencing meetings as those meetings present the lowest risk of transmission of SARS-CoV-2, the virus that causes COVID-19, and further recommended social distancing and face masking of all attendees; and

WHEREAS, as of November 10, 2021, 22.5% of Alameda County and 25% of Contra Costa County residents ages 5 and up remain unvaccinated or partially vaccinated. The Health Officers recommend social distancing for those who are not fully vaccinated and further recommend avoiding crowded places, close contact settings, and confined places with poor airflow; and

WHEREAS, COVID-19 continues to spread, the Omicron variant (a highly-infectious COVID-19 strain) is prevalent in the Bay Area. COVID-19 poses imminent health and safety concerns. The risk of exposure to COVID-19 depends on the likelihood of coming into close physical contact with people who may be infected and through contact with contaminated surfaces and objects. The severity of the illness varies. Per the US Centers for Disease Control and Prevention

some of the cases are severe (meaning, they required hospitalization), with an infection that affects both lungs and has the potential to lead to severe medical complications (such as respiratory failure, shock, or multiorgan dysfunction) that can cause death in some people. The number of cases of infections and deaths occurring locally can be determined by viewing the dashboards of the Health Officers; and

WHEREAS, on June 11, 2021, the Governor issued Executive Order N-08-21, which placed an end date of September 30, 2021 on such authority; and

WHEREAS, due the rise in COVID-19 cases, including due to the Delta and Omicron variant, the Agency continues to be deeply concerned about protecting the health and safety of attendees, particularly given that even fully vaccinated people have contracted the Delta variant, people may contract and transmit the virus before knowing they are infected and/or if they are asymptomatic; meetings of the Agency can last several hours, and the Agency's meeting facilities are shared spaces with member agencies, limited in space with seats that are close together, and have restricted air flow; and

WHEREAS, the California State legislature adopted AB 361 as an urgency measure that was signed by the Governor on September 16, 2021. AB 361 amends the Brown Act to allow local governments to use teleconferencing and virtual meeting technology as long as there is a gubernatorial "proclaimed state of emergency" upon the local legislative body finding that State or local officials have imposed or recommended measures to promote social distancing or that meeting in person would present imminent risks to the health or safety of attendees; and

WHEREAS, the Board desires to continue holding public meetings of LAVWMA using teleconferencing and virtual meeting technology in order to avoid the imminent risk to the health and safety of attendees; and

WHEREAS, the Board found that conducting its meetings using virtual meeting technology allowed the equivalent, if not improved, access to the meetings for officials, staff, and the public based on the ease of use and flexibility of technology. This experience has been confirmed by the Little Hoover Commission, which evaluated the effectiveness of remote meetings statewide; and

WHEREAS, the Board held a duly noticed public meeting on September 29, 2021 and considered all pertinent oral and written information, exhibits, testimony, and comments received during the public review process, including, without limitation, information received at the public hearing, the oral report from staff, the written report from staff, draft of Resolution 21-08, and all other information on which each of the Directors has based their decision (collectively, "Remote Meeting Information"); and

WHEREAS, the Board found that a state of emergency remained active due to the coronavirus pandemic, which affects the ability of attendees to meet safely in person and adopted Resolution 21-08; and

WHEREAS, the Board found that a state of emergency continued to exist at its next regular meeting on November 17, 2021 and authorized the continuation of remote meetings by adopting Resolution 21-09; and

WHEREAS, the Board found that a state of emergency continued to exist at its most recent regular meeting on November 16, 2022 and authorized the continuation of remote meetings by adopting Resolution 22-05; and

WHEREAS, more than 30 days has passed since the adoption of those Resolutions and the Board desires to make the findings necessary to continue to meet remotely in light of the fact that there remains a significant portion of the population that is at high risk of infection having severe consequences, county health officers strongly recommend that public agency meetings be held remotely to avoid unnecessary exposure during the current surge of cases, that even fully vaccinated people may contract, and transmit the virus and it is not possible to socially distance within the Board meeting room.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of LAVWMA as follows:

Section 1. Recitals. The Board hereby finds and determines that the foregoing recitals are true and correct; the recitals are hereby incorporated by reference into each of the findings as though fully set forth therein. The recitals and the information below constitute findings in this matter, and together with the Remote Meeting Information, serve as an adequate and appropriate evidentiary basis for the findings and actions set forth herein.

Section 2. AB 361 Findings. The Board, on behalf of itself and its legislative bodies, hereby further finds the following: A state of emergency in California remains active due to the coronavirus pandemic, which continues to directly impact the ability of attendees to meet safely in person. Federal, state, and/or local officials have imposed and/or recommended measures to promote social distancing and use face coverings in indoor settings to help stop the spread of the virus. They have strongly recommended public agencies hold their meetings online because doing so presents the lowest risk of transmission of SARS-CoV-2, the virus that causes COVID-19. COVID-19 continues to pose an imminent risk to the health and safety of attendees to meet in person because it can be contracted and transmitted by people without symptoms and regardless of vaccination status and has the potential to lead to severe disease and death.

Section 4. Remote Meetings. Meetings of LAVWMA and its legislative bodies will continue to be conducted remotely using teleconferencing for the next 30 days in compliance with AB 361.

Section 5. CEQA. This action does not constitute a “project” within the meaning of Public Resources Code Section 21065, 14 Cal Code Reg. Section 15060(c)(2), 15060(c)(3), and/or 15378 because it has no potential for resulting in either a direct physical change in the environment, or a reasonably foreseeable indirect physical change in the environment. In addition, this action is categorically exempt pursuant to Section 15061(b)(3), “Review for Exemptions” of the CEQA Guidelines because there is no possibility that it may have a

significant effect on the environment, and no further environmental review is required. No unusual circumstances exist and none of the exceptions under CEQA Guidelines Section 15300.2 apply. This determination reflects the Board's independent judgment and analysis.

DULY AND REGULARLY ADOPTED by the LAVWMA's Board of Directors this 15th day of February, 2023 by the following vote:

AYES: Directors

NOES:

ABSENT:

Bob Carling, Chair

ATTEST: _____
Charles V. Weir, General Manager

ITEM NO. 7 ANNUAL BOARD ROTATION – ELECT CHAIR AND VICE CHAIR FOR THE REMAINDER OF FY2022/23 AND FOR FY2023/24

Action Requested

Nominate and elect a Chair and Vice Chair for the remainder of FY2022/23. Nominate and elect a Chair and Vice Chair for FY2023/24

Summary

At the start of each fiscal year, the LAVWMA Board has traditionally rotated each member agency through the Chair and Vice Chair positions. During FY2022/23, Julie Testa, Pleasanton, is serving as Chair and Bob Carling, Livermore, is serving as Vice Chair. During FY2020/21, Bob Woerner, Livermore, began as Chair and Ann Marie Johnson completed his term when he left the Board having been elected Mayor. Ann Marie Johnson then served as Chair in FY2021/22. Julie Testa completed the terms of Vice Chair and became Chair for the current fiscal year, FY2022/23. However, Julie Testa is no longer serving on the LAVWMA Board and officers are required for FY2022/23 and for FY2023/24. The LAVWMA JPA requires that officers serve terms coinciding with the fiscal year starting each July 1.

In following with the normal rotation, it would be appropriate for Vice Chair Carling to become Chair for the remainder of FY2022/23. Since the remaining term is only five months, the Board may wish to consider keeping the same Chair and Vice Chair for FY2023/24. The Vice Chair would traditionally be from DSRSD.

Following is a list of LAVWMA's Past Officers:

Fiscal Year	Chair	Vice Chair
2016/17	Pleasanton – Pentin	Livermore – Woerner
2017/18	Livermore – Woerner	DSRSD – Misheloff
2018/19	DSRSD – Misheloff	Pleasanton – Pentin
2019/20	Pleasanton – Pentin	Livermore – Woerner
2020/21	Livermore – Woerner	DSRSD, Johnson
2021/22	DSRSD, Johnson	Pleasanton, Testa
2022/23	Pleasanton, Testa	Livermore, Carling
2023/24	Livermore	DSRSD

Recommendation

Nominate and elect a Chair and Vice Chair for the remainder of FY2022/23. Consider nominating and electing a Chair and Vice Chair for the next fiscal year, FY2023/24. This action requires a majority vote of the Directors present pursuant to Section 7.5 of the LAVWMA Joint

Page 2

Agenda Explanation
Livermore-Amador Valley
Water Management Agency
Board of Directors
February 15, 2023

Powers Agreement. Positions for the remainder of FY2022/23 would become effective immediately. Positions for FY2023/24 will be effective July 1, 2023.

Attachments

None

Page 1

Agenda Explanation
 Livermore-Amador Valley
 Water Management Agency
 Board of Directors
 February 15, 2023

ITEM NO. 8 ESTABLISH PROTOCOLS FOR FUTURE MEETINGS

Action Requested

Review options for future meetings and establish protocols for Board meetings beginning March 1, 2023.

Background

The Governor intends to end the state of emergency that has allowed LAVWMA to meet remotely under AB 361 effective February 28, 2023. As a result, the next regular board meeting on May 17, 2023 will be in person. At the June 29, 2022 meeting, the Board approved changing the official meeting location from City of Pleasanton to DSRSD's Board room.

Should any Director wish to attend remotely, there are limited options for doing so under the Brown Act. Regardless of which option is used, there are restrictions on the location from where the Directors can participate, requirements to keep the Board room open to the public, and procedures for allowing sufficient remote public participation capabilities.

A Director could participate remotely by complying with the traditional teleconference requirements of the Brown Act. This would require informing the LAVWMA General Manager prior to the Agenda being posted (72 hours before a regular Board meeting) of the location from which they plan to participate. This information would need to be included on the agenda, the agenda would need to be posted at the teleconference location, and the public would need to be able to participate from that teleconference location as well.

Alternatively, a Director could participate remotely without having to specify their location by complying with AB 2449's new remote participation requirements. More information on what is allowed and how the Board would need to proceed is shown in **Attachment No. 8.a**, AB2449 Remote Participation Flowchart. Suffice it to say that while AB 2449 allows some flexibility, it can only be used in limited circumstances and compliance with the statutory requirements is onerous. That said, it can be done, particularly if staff is given sufficient advanced notice.

Staff seeks direction from the Board regarding any protocols it may desire for the conduct of Board meetings beginning in March 2023. Potential topics of discussion may include:

Attendance:

- Directors - Must Directors attend meetings in person? If traditional teleconference or AB 2449 will be used, will this require prior consultation with General Counsel and General Manager to ensure compliance with state laws?
- Staff - Must staff attend meetings in person? Does the General Manager get to make this determination?

- Public - Can members of the public participate in person only or will remote participation be allowed? Staff can discuss with the Board the various costs and technological requirements that would be associated with providing remote capabilities.

Masking:

- Will masks be required by Directors, staff, and/or the public?
- Can masks be removed by those speaking or to eat?

Supplies:

- Must staff provide masks, hand sanitizer, or other safety equipment to those attending the meeting?
- What audio visual equipment will be required, if any?

Distancing:

Will efforts be made to allow for social distancing among the District, staff and/or public?

Symptoms:

- Will individuals experiencing symptoms be encouraged to participate remotely or not attend?

The primary options for the Board include the following:

1. Adopt a protocol consistent with AB2449, allowing remote participation. A Zoom link would need to be provided for every meeting to allow remote participation by Directors and the public. The procedures are nuanced and compliance will require legal guidance.
2. Return to in person only meetings similar to what was done prior to COVID. Hand sanitizer is routinely available. Adequate social distancing will also be available when we return to the DSRSD Board meeting room. Masking would be at the discretion of each individual attending the meeting, unless otherwise directed by the Board.
3. Return to in person meetings but allow remote participation via traditional teleconference and/or AB 2449 on a limited basis subject to prior coordination with General Manager and General Counsel to ensure applicable requirements can be satisfied.

Recommendation

Consider the options available for holding future meetings and Direct staff regarding any protocols and procedures it would like to impose on Board meetings effective March 1, 2023.

Attachments

LAVWMA's - AB2449 Remote Participation Flowchart

LAVWMA'S AB 2449 – Remote Participation Flow Chart
(Effective January 1, 2023 – January 1, 2026)

- **STEP 1: Director seeks remote participation in Agency meeting.**
 - o **When:** ASAP (at earliest opportunity) up to start of a regular meeting.
 - o **Why:** Process differs depending on reason for remote participation:
 - **Just Cause -**
 - **Basis** - Providing childcare or caregiving of immediate family, contagious illness, physical or mental disability, or official business travel for public agency.
 - **Process** – Notify Board of need to participate remotely & announce at meeting. Cannot exceed 2 meetings per calendar year per Director.
 - **How** - Generally describe circumstances (~ 20 words, no need to disclose medical or personal information). **End** of just cause process.
 - **Emergency Circumstances –**
 - **Basis** - Physical or family medical emergency.
 - **Process** – Request that the Board authorize remote participation. Go to **Step 2**.
 - **ADA Accommodation** – A Director may be given an ADA accommodation as needed.
- **STEP 2: Is the request agendized?**
 - o **If yes**, then Board can consider at appropriate time on agenda. Go to **Step 3** below.
 - o **If no**, then Board must add **urgency item** to agenda as follows:
 - Describe that there is a request by a Director to participate remotely.
 - Describe the reason for the request (Just Cause or Emergency Circumstances).
 - Explain that this item came up after the 72-hour agenda deadline.
 - Board takes action by: (a) finding the item is urgent and needs immediate action and was discovered after the agenda deadline, and (b) voting.
 - Must pass by super-majority vote meaning a 2/3 vote of Board (4 affirmative votes) if 4 or more Directors are voting from a 6-member Board.
- **STEP 3: Board acts on remote participation request.**
 - o **Findings:** Board must make the following four (4) findings:
 - The remote official must disclose if anyone over 18 is present at the remote location and the general nature of their relationship.
 - At least 4 (a quorum) Directors are in one physical location in the Agency's jurisdiction.
 - The remotely participating Director has not exceeded the annual limit:
 - Cannot use for more than 3 consecutive months or 20% of the regular meetings.
 - The Board is providing a 2-way audiovisual platform or 2-way telephone service + live webcasting so the public can remotely hear, visually observe, and comment in real time.
 - o **Vote:** If these findings can be made, then the Board affirms them and votes on whether the official may participate remotely. Requires super-majority approval.
 - Note – The remote official can be counted as present and may vote.
- **STEP 4: Repeat Steps 1-3 for additional Directors** who wish to participate remotely, if necessary.
 - o **Limitation** – A maximum of 2 Directors can use this method per meeting, due to physical limits.
- **STEP 5: Resume the meeting as agendized** with Director(s) participating remotely:
 - o All votes at a meeting with a remote Director must be taken by roll call.
 - o No action can be taken if the remote broadcast of the meeting is disrupted.
 - o Special procedures are required to promptly resolve requests for disability accommodations.

Page 1

Agenda Explanation
Livermore-Amador Valley
Water Management Agency
Board of Directors
February 15, 2023

ITEM NO. 9 FINANCIAL REPORTING FOR THE FISCAL YEAR ENDING JUNE 30, 2023

Action Requested

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

To: LAVWMA Board of Directors

From: Carol Atwood, LAVWMA Treasurer

Subject: Financial Reporting for FYE 2023

Summary

Attached are the financial statements for the period July 1, 2022 through December 31, 2022.

Attachments

Schedule of Sub Fund Account Balance Sheets– Shows the assets and liabilities of LAVWMA in each of its funds.

Schedule of Sub Fund Account Activity – Shows the income and expense transactions for LAVWMA in each fund. Most of LAVWMA’s activity will be in the Operations & Maintenance fund.

O&M Fund Budget vs. Actual – Shows the status of the budget to actual expenses for the O&M Fund for the period July 1, 2021 through June 30, 2022 and the period July 1, 2022 through December 31, 2022.

Investment Report – A report showing how LAVWMA’s available cash is invested.

General Management Expenses Listing – All general LAVWMA invoices are approved by the LAVWMA GM and Treasurer prior to payment by DSRSD. Those invoices are summarized and are billed to LAVWMA on a monthly basis via the DSRSD bill to LAVWMA. This listing is supplemental information requested by the LAVWMA General Manager to show the vendor, description and amount of each invoice in more detail.

Selection of Auditor for the Next Five Years

On January 18, 2023, the following email was sent to the Chair and Vice Chair:

Good afternoon Chair Testa and Vice Chair Carling,

Page 2

Agenda Explanation
Livermore-Amador Valley
Water Management Agency
Board of Directors
February 15, 2023

One of the issues with meeting quarterly is that timing on Board approval for routine items can be an issue. For major projects, we often call a special Board meeting to get approvals on agreements. As has been reported by Treasurer Atwood in the past, the agreement with Maze & Associates for audit services was extended for an additional year due to the debt refunding. As she also reported it is time to issue an RFP for audit services. The intent is to use the same auditor for both DSRSD and LAVWMA. This has been the practice for many years. Ms. Atwood plans on bringing approval of a new auditor to the DSRSD Board on March 7, 2023, which will be after the next scheduled LAVWMA Board meeting on February 15, 2023.

The question for you two is are you ok with Treasurer Atwood, General Counsel Barnhill, and me making the selection and approving an engagement letter between LAVWMA and the recommended audit firm, or would you rather we schedule a special board meeting for the approval?

Please let us know your thoughts.

Thanks,

Chuck Weir
General Manager

Both Chair Testa and Vice Chair Carling responded that they were comfortable with the process described. An RFP was sent to ten firms in northern California. Responses are due on Monday, February 20, 2023. That provides adequate time to review and take a recommendation to the DSRSD Board by March 7, 2023. The selection will be reported to the LAVWMA Board at the May 17, 2023 meeting.

Recommendation

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

Attachments

Financial Statements for the Period July 1, 2022 – December 31, 2022.

LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
SCHEDULE OF SUB FUND ACCOUNT BALANCE SHEETS
July 2022 through December 2022

	Operation & Maintenance	EBDA Capacity	2011 Debt Service	2021 Debt Service	Repair and Replacement Reserve			Total
					Joint-use Replacement	Dual-use Replacement	Sole-use Replacement	
ASSETS								
Cash and equivalents	\$ 2,729,555	\$ -	\$ (4,664,252)	\$ 5,615,892	\$ 526,918	\$ 13,066	\$ 12,620	\$ 4,233,799
Investments (Charles Schwab)	1,426	-	-	58	13,514,261	448	1,639	13,517,831
Investments (LAIF)	500,911	-	30,630	212	441,823	435,371	1,628,605	3,037,552
Investments (LAIF FMV Adj)	3,381	-	12,470	-	(12,471)	(437)	(1,578)	1,365
Due from members	10,465	-	-	-	-	-	-	10,465
Service Charge Receivable	(96,484)	-	-	80,891	15,593	-	-	0
Capital Assets, net of accumulated depreciation	-	2,424,245	-	-	98,041,175	37,800	3,060,748	103,563,969
Bond Issuance Cost	-	-	-	408,004	-	-	-	408,004
Total assets	3,149,254	2,424,245	(4,621,152)	6,105,057	112,527,300	486,247	4,702,034	124,772,984
LIABILITIES								
Accounts payable	1,220,744	-	-	-	125,695	-	-	1,346,439
Due To Members	240,946	-	-	-	-	-	-	240,946
Interest payable	-	-	-	791,411	-	-	-	791,411
Deferred revenue	1,426	-	-	58	14,261	448	1,639	17,831
Long-term debt	-	-	-	-	-	-	-	-
Bond issuance premium, net of amortization	-	-	-	10,097,265	-	-	-	10,097,265
Due in more than one year	-	-	-	54,790,000	-	-	-	54,790,000
Total liabilities	1,463,115	-	-	65,678,733	139,956	448	1,639	67,283,892
DEFERRED INFLOWS OF RESOURCES								
Gain on refunding	-	-	3,561,106	-	-	-	-	3,561,106
NET ASSETS								
Invested in capital assets, net of related debt	-	2,424,245	-	(64,887,265)	98,041,175	37,800	3,060,748	38,676,704
Unrestricted net assets	1,686,138	-	(8,182,258)	5,313,588	14,346,168	448,000	1,639,647	15,251,283
Total net assets	\$ 1,686,138	\$ 2,424,245	\$ (8,182,258)	\$ (59,573,677)	\$112,387,343	\$ 485,800	\$ 4,700,395	\$ 53,927,987

LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
SCHEDULE OF SUB FUND ACCOUNT ACTIVITY
July 2022 through December 2022

	Operation & Maintenance	EBDA Capacity	2011 Debt Service	2021 Debt Service	Repair and Replacement Reserve			Total
					Joint-use Replacement	Dual-use Replacement	Sole-use Replacement	
OPERATING REVENUES								
Service charges - DSRSD	\$ 1,133,248	\$ -	\$ -	\$ 2,584,918	\$ 139,800	\$ -	\$ -	\$ 3,857,966
Service charges - City of Pleasanton	1,382,392	-	-	2,211,338	139,800	-	-	3,733,530
Service charges - City of Livermore	1,224,706	-	-	1,849,444	120,400	-	-	3,194,550
Service charges - Reconciled	(230,480)							(230,480)
Total operating revenues	3,509,865	-	-	6,645,700	400,000	-	-	10,555,565
OPERATING EXPENSES								
Power	617,482	-	-	-	-	-	-	617,482
LAVWMA share of EBDA O&M - Fixed	841,604	-	-	-	-	-	-	841,604
LAVWMA share of EBDA O&M - Variable	89,422	-	-	-	-	-	-	89,422
Operations agreement	566,223	-	-	-	-	-	-	566,223
Professional services	82,559	-	-	-	-	-	-	82,559
Livermore sole use O&M	9,779	-	-	-	-	-	-	9,779
Insurance	119,965	-	-	-	-	-	-	119,965
Repairs and Maintenance	-	-	-	-	-	-	-	-
Miscellaneous	1,236	-	-	118	3,936	123	450	5,862
Total operating expenses	2,328,268	-	-	118	3,936	123	450	2,332,894
Capital outlay	-	-	-	-	121,330	-	-	121,330
Total operating expenses and capital outlay	2,328,268	-	-	118	125,266	123	450	2,454,224
Operating income (loss)	1,181,597	-	-	6,645,582	274,734	(123)	(450)	8,101,341
NON-OPERATING REVENUES (EXPENSES)								
Debt Service	-	-	(5,640,799)	-	-	-	-	(5,640,799)
Interest income	9,830	-	10	1,077	81,256	2,546	9,318	104,038
Total non-operating revenues (expenses)	9,830	-	(5,640,789)	1,077	81,256	2,546	9,318	(5,536,761)
Changes in net assets	1,191,427	-	(5,640,789)	6,646,659	355,990	2,423	8,868	2,564,579
NET ASSETS (3)								
Net assets, beginning of period	494,711	2,424,245	(2,541,469)	(66,220,336)	112,031,353	483,377	4,691,527	51,363,408
Net assets, end of period	\$ 1,686,138	\$ 2,424,245	\$ (8,182,258)	\$ (59,573,677)	\$ 112,387,343	\$ 485,800	\$ 4,700,395	\$ 53,927,987

(1) Included FYE21 O&M reconciliation true-up.

(2) Total of the noted expenses is \$537,409. Details see General Management Expenses Listing.

LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
Operations and Maintenance - Budget vs Actual
July 2022 - June 2023 & July - December 2022

	FYE 2022			FYE 2023		
	Budget	Actual	Variance	Budget	Actual	Variance
<u>OPERATING REVENUES</u>						
Service charges - DSRSD	\$ 1,113,743	\$ 1,113,743	\$ -	\$ 1,133,248	\$ 1,133,248	\$ 1
Service charges - City of Pleasanton	1,323,867	1,323,867	-	1,382,392	1,382,392	1
Service charges - City of Livermore	1,172,870	1,172,870	0	1,199,706	1,224,706	24,999
Service charges - Reconciled		(230,481)	(230,481)			
Total operating revenues	3,610,480	3,379,998	0	3,715,346	3,740,345	25,001
<u>OPERATING EXPENSES</u>						
Power	1,250,000	1,360,016	110,016	1,500,000	617,482	(882,518)
LAVWMA share of EBDA O&M - Fixed	689,052	732,771	43,719	676,965	841,604 (2)	164,639
LAVWMA share of EBDA O&M - Variable	150,828	116,432	(34,396)	160,959	89,422 (2)	(71,538)
Operations agreement	1,011,500	793,133	(218,367)	927,500	566,223	(361,277)
Professional services	380,100	223,324	(156,776)	329,917	82,559 (2)	(247,358)
Livermore sole use O&M	25,000	22,538	(2,462)	25,000	9,779	(15,221)
Insurance	84,000	102,358	18,358	96,926	119,965 (2)	23,040
Permits	20,000	-	(20,000)	23,078	-	(23,078)
Repairs and Maintenance	-	34,574	34,574	-	-	-
Miscellaneous	-	-	-	-	1,236	1,236
Total operating expenses	3,610,480	3,385,144	(225,336)	3,740,345	2,328,268	(1,412,077)
Capital outlay		-	-		-	-
Total operating expenses and capital outlay	3,610,480	3,385,144	(225,336)	3,740,345	2,328,268	(1,412,077)
Operating income (loss)	-	(5,146)	225,336	-	1,412,077	1,437,078
<u>NON-OPERATING REVENUES (EXPENSES)</u>						
Interest income	-	5,146	5,146	-	9,830	9,830
Total non-operating revenues (expenses)	-	5,146	5,146	-	9,830	9,830
Net Income	\$ -	\$ (0)	\$ 230,482	-	1,421,907	1,446,908

(1) Included FYE21 O&M reconciliation true-up.

(2) Total of the noted expenses is \$537,409. Details see General Management Expenses Listing.

LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY

Treasurer's Report

Portfolio Summary

December 31, 2022

Investments	Par Value	Market Value	Book Value	% of Portfolio	Avg. Term	Avg. Days to Maturity	YTM
LAIF- Operating	\$ 3,037,552	\$ 3,037,552	\$ 3,037,552	18.36	1	1	2.07%
T-Bill 04/18/23 912796CU1	\$ 4,504,109	\$ 4,504,109	\$ 4,498,120	27.20	68	68	4.49%
T-Bill 06/22/23 912796ZQ5	\$ 9,012,548	\$ 9,012,548	\$ 9,000,705	54.43	133	133	4.66%
C. Schwab Account 8516-8477	\$ 1,175	\$ 1,175	\$ 1,175	0.01	1	1.00	0.45%
	\$ 16,555,384	\$ 16,555,383	\$ 16,536,378	100.00			2.92%

Average Daily Balance

\$ 16,536,378

Effective Rate of Return

2.92%

I certify that this report reflects all Government Agency pooled investments and is in conformity with the investment policy of Livermore-Amador Valley Water Management Agency.

The investment program herein shown provides sufficient cash flow liquidity to meet the next six month's expenses.

Original signed by Carol Atwood

02-09-2023

Carol Atwood, Treasurer

Date

Livermore-Amador Valley Water Management Agency

General Management Expenses Listing

October 2022 - December 2022

Posted	Date	Source	Ref1	PO/Ref2	Ref3	Ref4	Amount	GL Org	GL Object	GL Project	Check #	Warrant	Vendor	Comment
Y	10/11/2022	API	006643	23200271	2665	729	5,700.90	87000000	812100		200635	ck101322	CHARLES V. LAVWMA MANAGEMENT SERVICES-FY2	
Y	12/06/2022	API	006643	23200271	4560	1167	9,981.10	87000000	812100		201284	ck122222	CHARLES V. LAVWMA MANAGEMENT SERVICES - F	
Y	12/06/2022	API	006643	23200271	4564	1167	12,791.52	87000000	812100		201229	ck121522	CHARLES V. LAVWMA MANAGEMENT SERVICES- FY	
Y	10/17/2022	API	007848	23200272	3078	781	185.00	87000000	812100		200727	ck102022	JARVIS FAY GENERAL COUNSEL SVCS - Septemb	
Y	11/21/2022	API	007848	23200272	4258	1044	592.00	87000000	812100		201056	ck112222	JARVIS FAY GENERAL COUNSEL SVCS - FY23 Oc	
Y	12/16/2022	API	007848	23200272	5015	1233	3,922.00	87000000	812100		201311	ck122222	JARVIS FAY GENERAL COUNSEL SVCS FY23 - No	
Y	12/05/2022	API	002316	23200448	4518	1144	350.00	87000000	812100		201203	ck120822	RECORDS CI LAVWMA: RECORDS IMPROVEMENT PR	
Y	12/22/2022	API	001806		5157	W 122922	2,150.00	87000000	812100		201391	ck122922	U.S. BANK E Trustee Fee - 08/01/22 - 07/31	
Y	12/20/2022	API	009083		5082	1252	50.00	87000000	812100		201330	ck122222	JULIE TESTA SPECIAL BOARD MTG ATTENDANCE -	
Y	12/20/2022	API	010071		5086	1252	50.00	87000000	812100		201295	ck122222	GINA BONA SPECIAL BOARD MTG ATTENDANCE -	
Y	12/20/2022	API	010075		5084	1252	50.00	87000000	812100		201293	ck122222	VALERIE AR SPECIAL BOARD MTG ATTENDANCE -	
Y	12/20/2022	API	009083		5090	1255	50.00	87000000	812100		201330	ck122222	JULIE TESTA SPECIAL BOARD MTG ATTENDANCE -	
Y	12/20/2022	API	009083		5093	1255	50.00	87000000	812100		201330	ck122222	JULIE TESTA SPECIAL BOARD MTG ATTENDANCE -	
Y	12/20/2022	API	010068		5119	1255	50.00	87000000	812100		201297	ck122222	ROBERT CAI SPECIAL BOARD MTG ATTENDANCE -	
Y	12/20/2022	API	010068		5120	1255	50.00	87000000	812100		201297	ck122222	ROBERT CAI SPECIAL BOARD MTG ATTENDANCE -	
Y	12/20/2022	API	010071		5091	1255	50.00	87000000	812100		201295	ck122222	GINA BONA SPECIAL BOARD MTG ATTENDANCE -	
Y	12/20/2022	API	010071		5095	1255	50.00	87000000	812100		201295	ck122222	GINA BONA SPECIAL BOARD MTG ATTENDANCE -	
Y	12/20/2022	API	010075		5092	1255	50.00	87000000	812100		201293	ck122222	VALERIE AR SPECIAL BOARD MTG ATTENDANCE -	
Y	12/20/2022	API	010075		5094	1255	50.00	87000000	812100		201293	ck122222	VALERIE AR SPECIAL BOARD MTG ATTENDANCE -	
Y	12/21/2022	API	001623		5361	W 010523	465,512.50	87000000	812100		201444	ck011223	EAST BAY D Semi-Annual Invoice for FY 23-	
Y	12/28/2022	API	000825		5286	1308	20,000.00	87000000	812100		201428	ck010523	SWRCB - AT LAVWMA 22-23 Annu Permit Fee (
							<u>521,735.02</u>							

Expenses from journal entry and payroll:

Postage	\$0.00
DSRSD	\$0.00
Board	
Members	
Admin	\$3,301.66
Support	
Accounting	<u>\$12,372.56</u>
	\$15,674.22
TOTAL:	<u>\$ 537,409.24</u>

1st Q Adm \$305.64
1st Q Acct \$2,702.04

ITEM NO. 10 RESOLUTION ADOPTING A CONFLICT OF INTEREST CODE FOR THE LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY AND RESCINDING THE PRIOR CONFLICT OF INTEREST CODE

Action Requested

Approve Resolution 23-02 Adopting a Conflict of Interest Code for the Livermore-Amador Valley Water Management Agency and Rescinding the Prior Conflict of Interest Code.

Summary

The Political Reform Act of 1974, as amended (Gov't Code §§ 81000 *et seq.*), requires every state of local agency to adopt and promulgate a Conflict of Interest Code. LAVWMA last adopted its code in August 2016, and it was amended by the FPPC in 2018. The Fair Political Practices Commission recommends updating codes that are more than five years old. The existing code is in compliance. However, it needs to be amended to add the recently approved position of Assistant Treasurer. The code includes a listing of the positions that are required to annually submit Statements of Economic interests to the General Manager. For LAVWMA those positions include the following:

- Members of the Board, including alternates
- Consultants serving as LAVWMA staff
 - General Manager
 - General Counsel
 - Treasurer
 - Assistant Treasurer
 - Board Secretary

It should be noted that LAVWMA has no employees and contracts for services as noted above. In addition, the General Manager also serves as the Board Secretary.

Recommendation

It is recommended that the Board approve Resolution No. 23-02 Adopting a Conflict of Interest Code for the Livermore-Amador Valley Water Management Agency and Rescinding the Prior Conflict of Interest Code.

Livermore-Amador Valley Water Management Agency

RESOLUTION NO. 23-02

**RESOLUTION ADOPTING A CONFLICT OF INTEREST CODE FOR THE
LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY AND
RESCINDING THE PRIOR CONFLICT OF INTEREST CODE**

WHEREAS, the Livermore-Amador Valley Water Management Agency ("LAVWMA") is a joint powers agency formed pursuant to the Amended and Restated Joint Exercise of Powers Agreement for the Livermore-Amador Valley Water Management Agency dated July 21, 1997; and

WHEREAS, the Political Reform Act of 1974, as amended (Gov't Code §§ 81000 *et seq.*), requires every state or local agency to adopt and promulgate a Conflict of Interest Code; and

WHEREAS, the Livermore-Amador Valley Water Management Agency ("LAVWMA") most recently adopted a Conflict of Interest Code on August 15, 2016 and said Code was amended by LAVWMA's code reviewing body, the Fair Political Practices Commission ("FPPC") on February 7, 2018; and

WHEREAS, the Fair Political Practices Commission recommends updating Conflict of Interest Codes that are more than five (5) years old; and

WHEREAS, LAVWMA's Board of Directors desires to rescind LAVWMA's existing Conflict of Interest Code and adopt an updated Conflict of Interest Code to include a newly created position of Assistant Treasurer.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Livermore-Amador Valley Water Management Agency hereby resolves as follows:

1. Resolution 23-02 and its Appendices, attached thereto, are hereby rescinded in their entirety.
2. The Conflict of Interest Code, attached hereto and incorporated herein by reference, is hereby adopted as the Conflict of Interest Code for the Livermore-Amador Valley Water Management Agency.
3. This Resolution shall become effective upon its adoption; provided, however, that the Conflict of Interest Code, as revised by this Resolution, shall become effective only after approval by the Fair Political Practices Commission.

DULY AND REGULARLY ADOPTED by LAVWMA this 15th day of February, 2023, by the following vote:

AYES:

NOES:

ABSENT:

Bob Carling, Chair

ATTEST: _____
Charles V. Weir, General Manager

**LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
CONFLICT-OF-INTEREST CODE**

Approved by Resolution No. 23-02 February 15, 2023

The Political Reform Act (Government Code Section 81000, et seq.) requires state and local government agencies to adopt and promulgate conflict of interest codes. The Fair Political Practices Commission has adopted a regulation (2 Cal. Code of Regs. Sec. 18730) that contains the terms of a standard conflict of interest code, which can be incorporated by reference in an agency's code. After public notice and hearing, the standard code may be amended by the Fair Political Practices Commission to conform to amendments in the Political Reform Act. Therefore, the terms of 2 California Code of Regulations Section 18730 and any amendments to it duly adopted by the Fair Political Practices Commission are hereby incorporated by reference. This regulation and the attached Appendix, designating positions and establishing disclosure categories, shall constitute the conflict of interest code of the **Livermore-Amador Valley Water Management Agency (Agency)**.

All designated positions must file their statements of economic interests electronically with the **Agency**. All statements must be made available for public inspection and reproduction under Government Code Section 81008.

APPENDIX A
DESIGNATED POSITIONS

<u>Designated Position</u>	<u>Assigned Disclosure Category</u>
Directors (except Chair of the Board)	1, 2
Alternate Directors	1, 2
General Counsel	1, 2
Consultants/New Positions	*

Note: The General Counsel is an outside consultant that acts in a staff capacity for the Agency.

*Consultants/new positions shall be included in the list of designated positions and shall disclose pursuant to the broadest disclosure category in the code subject to the following limitation:

The General Manager may determine in writing that a particular consultant or new position, although a “designated position,” is hired to perform a range of duties that is limited in scope and thus is not required to comply fully with the disclosure requirements described in this section. Such determination shall include a description of the consultant’s or new position’s duties and, based upon that description, a statement of the extent of disclosure requirements. The General Manager’s determination is a public record and shall be retained for public inspection in the same manner and location as this conflict-of-interest code Gov. Code Sec. 81008).

GOVERNMENT CODE SECTION 87200 FILERS

The following positions are not covered by this Conflict of Interest Code because they file under Government Code section 87200 and, therefore, are listed for informational purposes only:

- Chair of the Board of Directors
- General Manager
- Treasurer
- Assistant Treasurer
- Consultant(s) who Manages Public Investments, if any

Individuals holding one of the above-listed positions may contact Fair Political Practices Commission for assistance or written advice regarding their filing obligations if they believe that their position has been categorized incorrectly. The Fair Political Practices Commission makes a final determination as to whether or not a position is covered by Government Code section 87200.

APPENDIX B
DISCLOSURE CATEGORIES

Disclosure Categories

1. All interests in real property located in or within two miles of the service area of LAVWMA's member agencies or located within two miles of any LAVWMA facilities, including LAVWMA's existing pipeline and any facilities that are planned to be constructed as part of LAVWMA's Export Pipeline Facilities Project.
2. All investments and business positions in business entities and sources of income, including receipt of gifts, loans, and travel payments, from any source that provides leased facilities, services, supplies, materials or equipment of the type utilized by the District.

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Page 1

Agenda Explanation
Livermore-Amador Valley
Water Management Agency
Board of Directors
February 15, 2023

**ITEM NO. 11 QUARTERLY REPORT OF OPERATIONS FOR 2ND QUARTER
FY2022-2023**

Action Requested

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

Summary

LAVWMA's Quarterly Report of Operations for the 2nd Quarter, FY 2022-2023 is attached for the Board's review. These quarterly reports are prepared by DSRSD staff and summarize all LAVWMA operations and maintenance activity for each quarter. Jeff Carson, DSRSD Operations Director, will be available to answer any questions from the Board. The report includes graphs showing Flows and Pumping Efficiency, Energy Consumption, Budget Variance, and Work Order History. Per the Board's request, the Executive Summary includes a section for Items of Interest. Total expenses are 42% of the year to date budget. Note that this summary does not include electrical costs for the storms in December and January. Those costs will be included in the next quarterly report.

Recommendation

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

Attachments

LAVWMA Quarterly Report of Operations, 2nd Quarter, FY2022-2023.

LAVWMA

QUARTERLY REPORT OF OPERATIONS

FY 2022-2023, 2nd Quarter

Prepared by

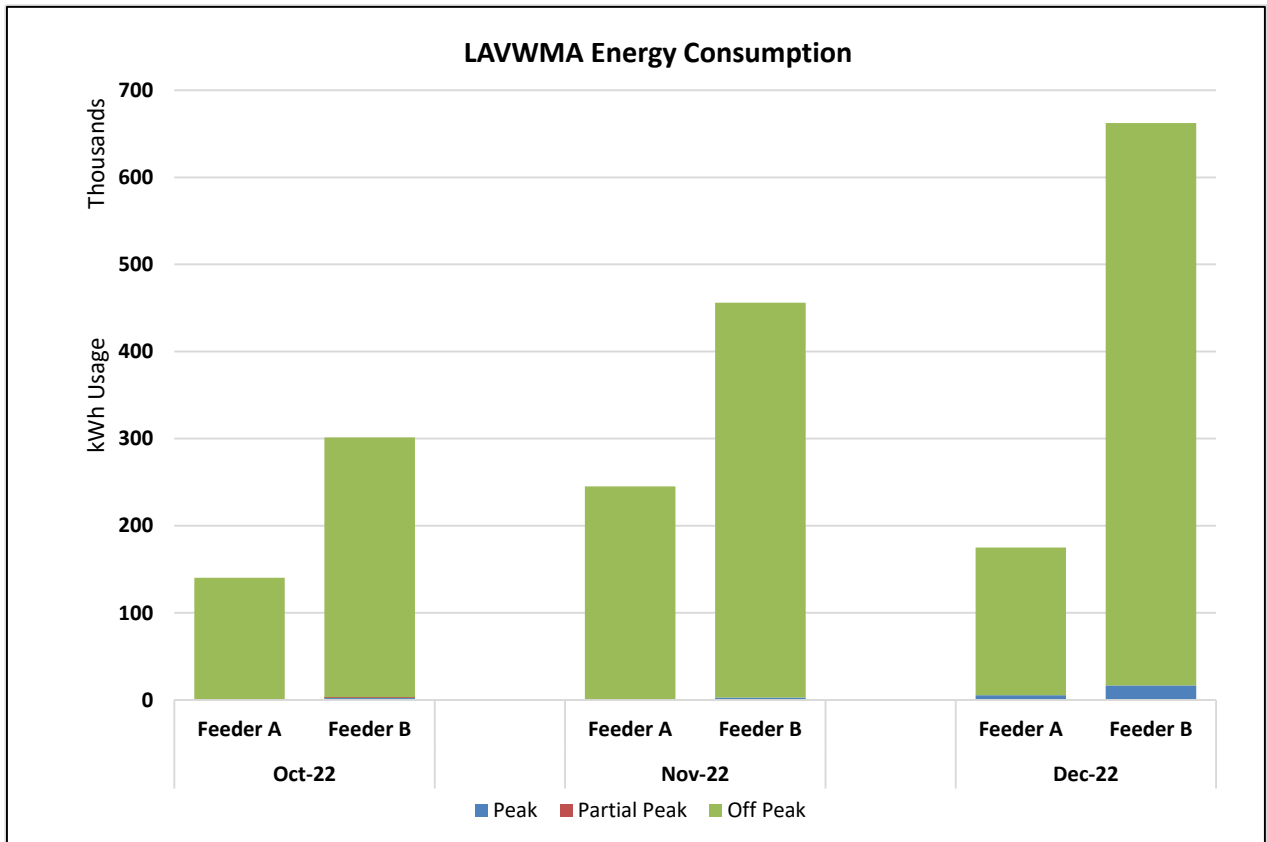
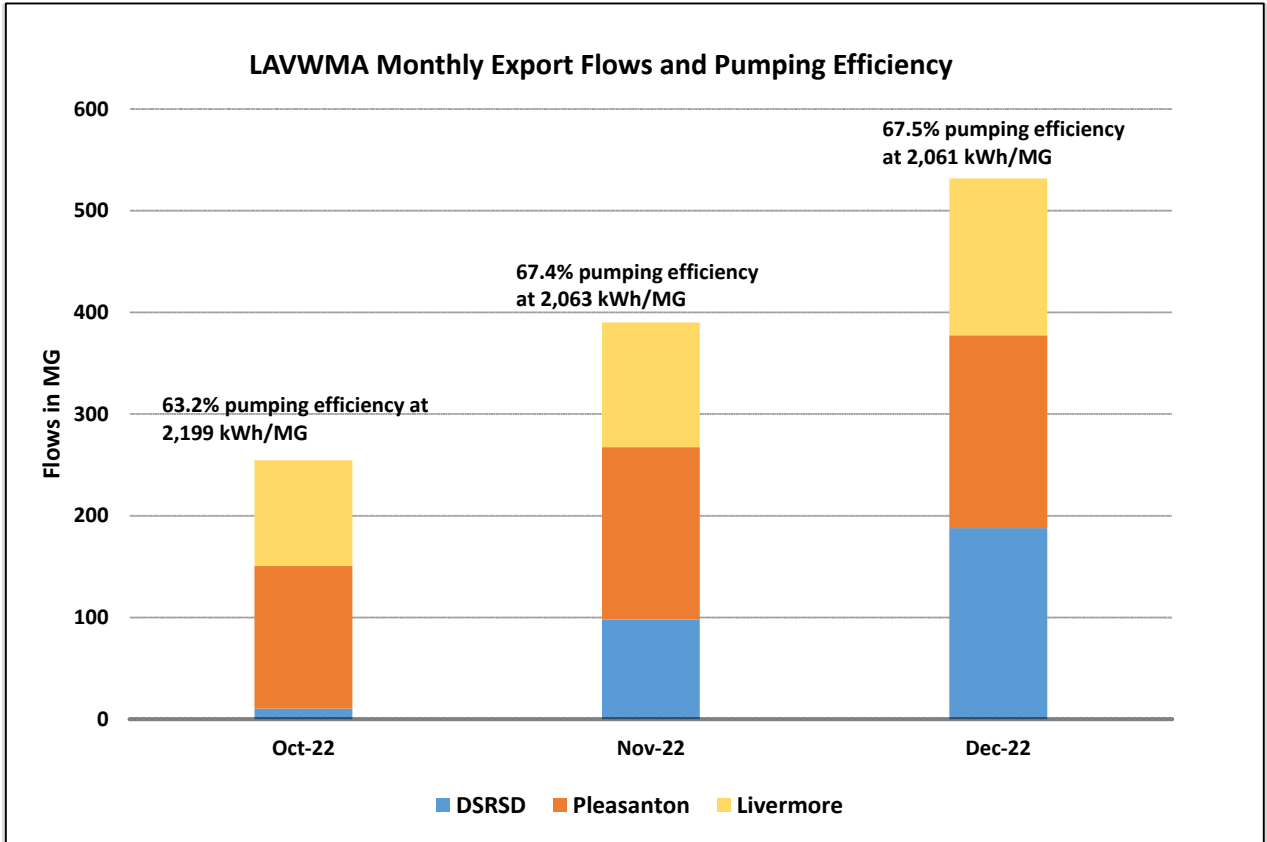


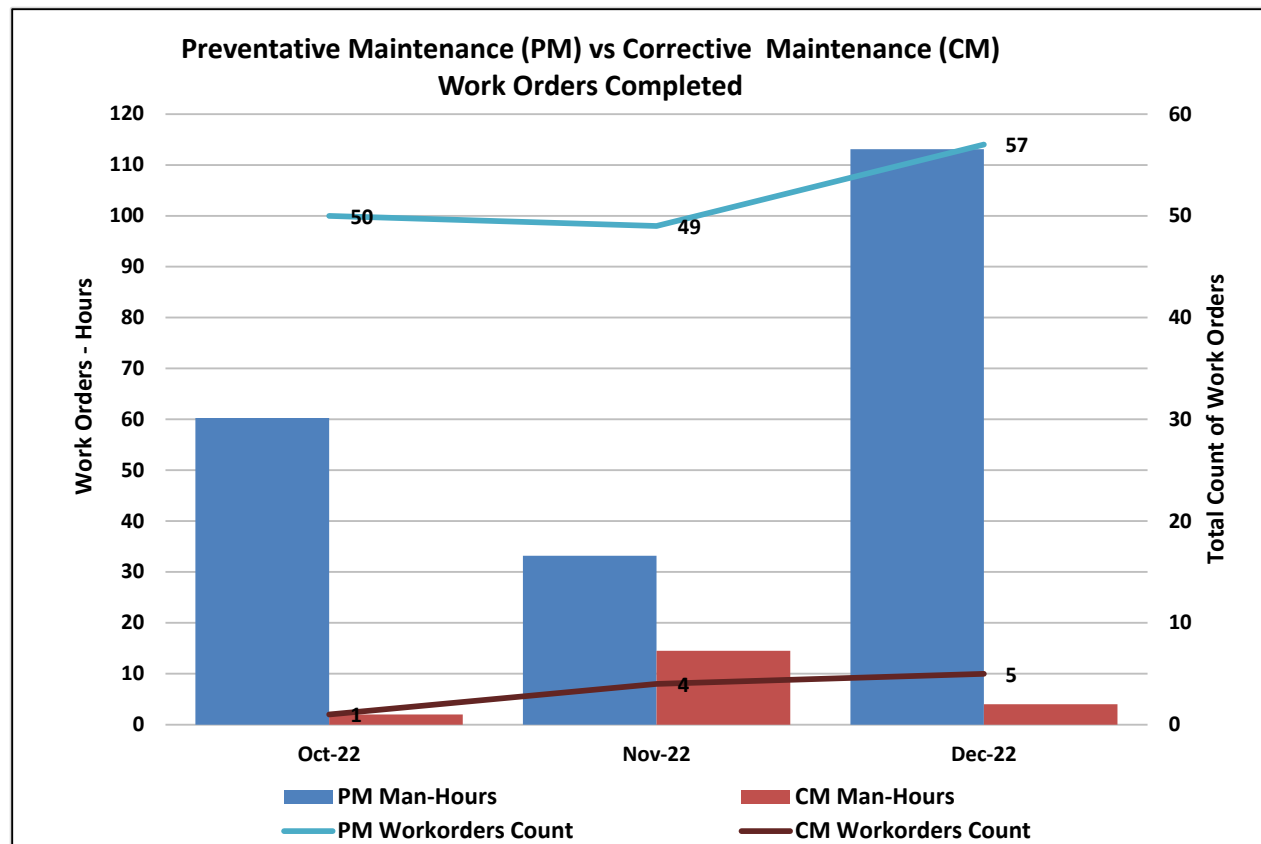
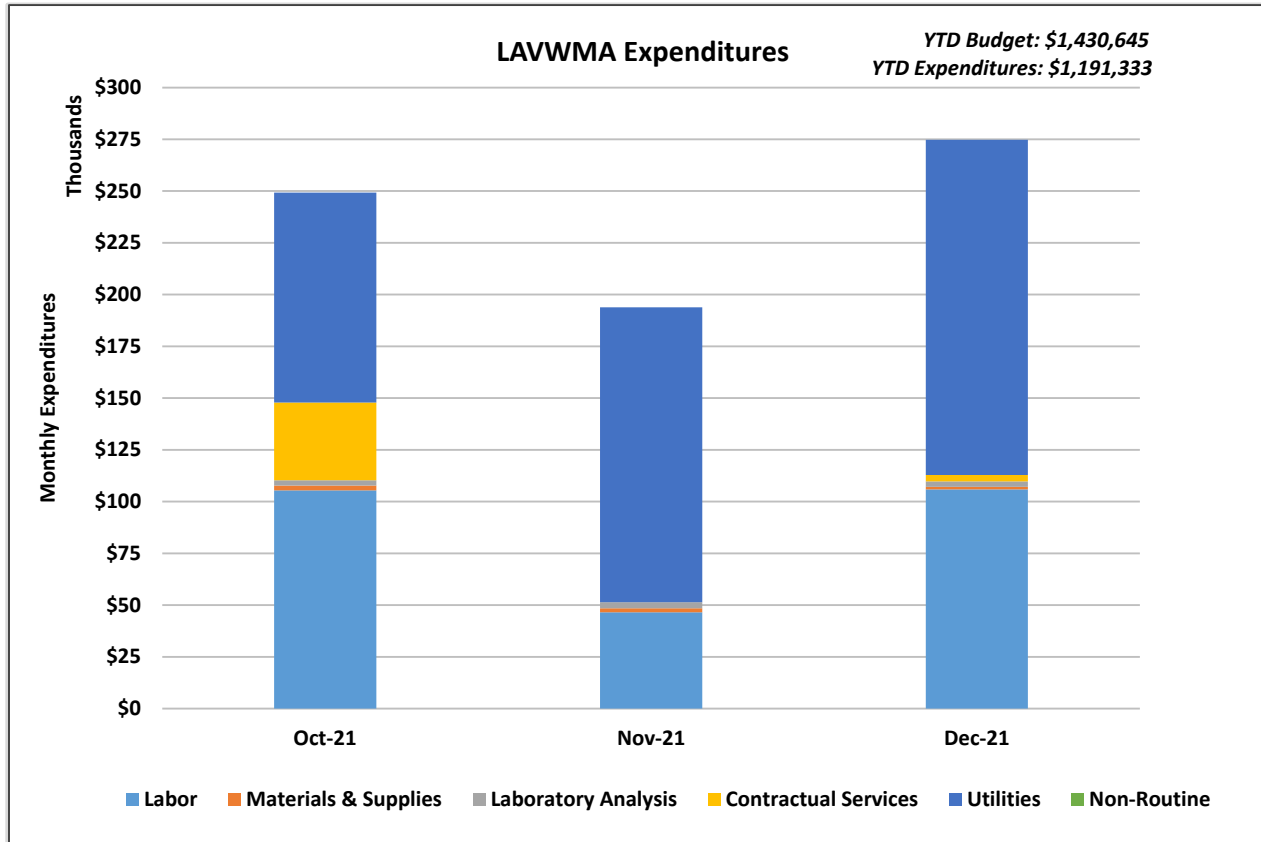
**Dublin San Ramon
Services District**

Water, wastewater, recycled water

QUARTERLY REPORT OF OPERATIONS
LAVWMA PUMPING AND CONVEYANCE SYSTEM
2nd Quarter FY 2022-2023: October to December 2022

<u>TABLE OF CONTENTS</u>	<u>Page</u>
Quarter at a Glance.....	2 – 3
Report Summary	4 – 6
<i>Tables:</i>	
1 – Electric Usage, Efficiency and Cost	7
2 – Pump Run Time Hours	8
3 – Monthly Average Storage Basin Levels and Volume	9
4 – Monthly Export Flow	10
5 – Labor Effort, Expenditures, and Budget Utilization	11
6 – O&M Expenditures and Budget Utilization	12
7 – O&M Expenditures and Budget Utilization for Livermore Sole Use Facilities	13
8 – Detailed YTD O&M Budget Comparison to Actual Expenses	14 – 15
9 – EBDA Monthly Reports	16 – 18
10 – Langelier Saturation Index Report (LAVWMA, DSRSD, Livermore)	19 – 21
11 – Capital Projects Update	22





QUARTERLY REPORT OF OPERATIONS
LAVWMA PUMPING AND CONVEYANCE SYSTEM
2nd Quarter FY 2022-2023: October to December 2022

1. EXECUTIVE SUMMARY

The Livermore-Amador Valley Water Management Agency (LAVWMA) pumping and effluent conveyance system operated near peak pumping design capacity during a historical rainfall event during the second quarter of Fiscal Year 2022-2023. During the quarter, a total of 1,176.22 million gallons of fully treated secondary effluent were pumped to San Francisco Bay via the East Bay Dischargers Authority (EBDA) outfall diffuser and San Leandro Sample Station (SLSS); the overall efficiency of the pumping system averaged 66.0%, with an average electrical cost of \$440 per million gallons, or \$143 per acre-foot.

Total year-to-date operations and maintenance (O&M) expense is \$1,191,333 or 42% of the O&M annual budget amount of \$2,861,290 and the overall cost of operation is \$717 per million gallons pumped or \$234 per acre-foot.

2. OPERATIONS

Of the 1,176.22 million gallons of effluent conveyed through the LAVWMA system, approximately 381 million gallons was from the City of Livermore, 499 million gallons from City of Pleasanton and 296 million gallons from DSRSD. Monthly export flow summary is shown on Table 4. Monthly reports sent to EBDA which detail daily export flows and monitoring analysis of the treated effluent during the quarter are shown on Table 9.

LAVWMA's emergency preparedness includes the permitted Wet Weather Operations Strategy. Beginning December 26, atmospheric rivers pushed through northern California, bringing substantial amounts of rain. On December 31, 2022, the 10-hour period from 5:00 AM to 3:00 PM equated to an approximate 100-year storm event.

Some minor flooding occurred near the end of the LAVWMA pipeline in the San Leandro Sample Station building and impacted the PLC cabinet, making the PC inoperable; staff was able to relocate the electrical equipment to the center desk to protect against water intrusion.

Currently PG&E implements a rate plan – broken down into peak, partial peak, off peak, and seasonal super off peak periods – that increases rates for energy used during certain periods of the day, based on energy demand across the energy grid. Throughout the reporting period, staff utilized an enhanced Operations Strategy, implementing an efficient pumping plan and avoided pumping during partial peak and peak PG&E energy demand periods where feasible. During the peak of the storm events, the LAVWMA pump station energy pumping program operated abnormally due to some EBDA pumping restrictions.

Over the past quarter, staff focused on succession planning in the operation and management of the LAVWMA system. Several District staff were trained in several routine operations and preventative maintenance as well as sample collection for laboratory analysis. As a result, there was a slight increase in labor, as is depicted by the LAVWMA Expenditures table on page 3.

3. MAINTENANCE

During the quarter, 207 hours were spent to complete 156 preventative maintenance work orders and 21 hours to complete 10 corrective maintenance work orders on LAVWMA equipment and systems.

The following are some noteworthy maintenance activities during the quarter:

Electrical:

- Responded to power outage at the pump station and reset soft starter fail alarms
- Retrained O&M staff on procedures on how to reset EMR-4000's
- Began preparations for standby generator mobilization

Instrumentation and Controls:

- Corrected issues with chlorine sensors
- Corrected issues with pH sensors
- Replaced basin area lighting with warranty replacement fixtures
- Adjusted working hours schedule configurations in the security system
- Responded to wet well level issues
- Began preparations for LAVWMA DSRSD flow meter at Junction Structure
- Installed wiring for the 24" flow meter for pipeline on the Livermore side of the junction structure
- Responded to pump and motor high temperature alarm caused by RTD connections

Mechanical:

- Replaced the 24" flow meter for pipeline on the Livermore side of the junction structure
- Detected four air valve leaks on Lewelling Boulevard in San Leandro using Smart Detectors technology; completed repairs and prevented spills in all four incidents

4. BUDGET VARIANCE AND EXPENSES

Second quarter labor expenses totaled \$257,841 for 1,315 man-hours of effort, an average of 2.5 full time equivalents (FTEs). O&M expenses for the quarter including labor, supplies, laboratory analysis, contractual services, and utilities totaled \$717,873 for an average cost of \$610 per million gallons pumped or \$199 per acre-foot. The total expense for the Livermore sole use pipeline for the quarter was \$1,334, which was partially offset by receipt of the twice-annual "Small Business Climate Credit" from PG&E for continuously low electric usage.

Operation and maintenance (O&M) expenses and budget utilization details are shown on Tables 5, 6, 7, and 8.

5. ITEMS OF INTEREST

DSRSD is the operator for the LAVWMA export and storage facilities that pump the combined flow from the DSRSD WWTP and Livermore WWTP into EBDA's system for discharge into the San Francisco Bay. Per the 2021 EBDA-LAVWMA Amended and Restated Master Agreement, LAVWMA has rights to pump up to 41.2 MGD to the EBDA system but can be curtailed to 19.72 MGD under certain conditions. On December 31, the total LAVWMA export pumping flow was 25.9 MGD with a peak of 35.1 MGD. Staff had to manage around an 8-hour period when EBDA was restricting the amount of flow that LAVWMA could discharge to the EBDA system due to high tide conditions. During this period, staff diverted to the LAVWMA storage basins. After the restriction was lifted, staff increased the export pumping capacity to approximately 36 MGD to empty the basins to prepare for the next storm event.

LAVWMA's discharge permit allows LAVWMA to utilize two wet weather outfalls, San Lorenzo Creek in San Leandro and Alamo Canal adjacent to the WWTP, under certain wet weather

conditions. DSRSD Operations staff successfully managed wet weather flows during the recent storm events and did not need to discharge to either of the permitted shallow water outfalls.

After the December 31 storm event, LAVWMA and DSRSD moved forward with installing a rental emergency generator for the LAVWMA pump station to provide backup power in the event of a PG&E power outage. The 2000 kW emergency generator arrived onsite and was connected by DSRSD staff on January 12. During the peak of the storm, eight LAVWMA pumps were in operation. On January 19, LAVWMA and DSRSD staff performed a test of the emergency generator as a source of back-up power and successfully ran four small pumps. Staff plans on discussing this item at the upcoming LAVWMA Board Meeting on February 15, 2023.



Photo: LAVWMA Rental Emergency Generator, January 12, 2023

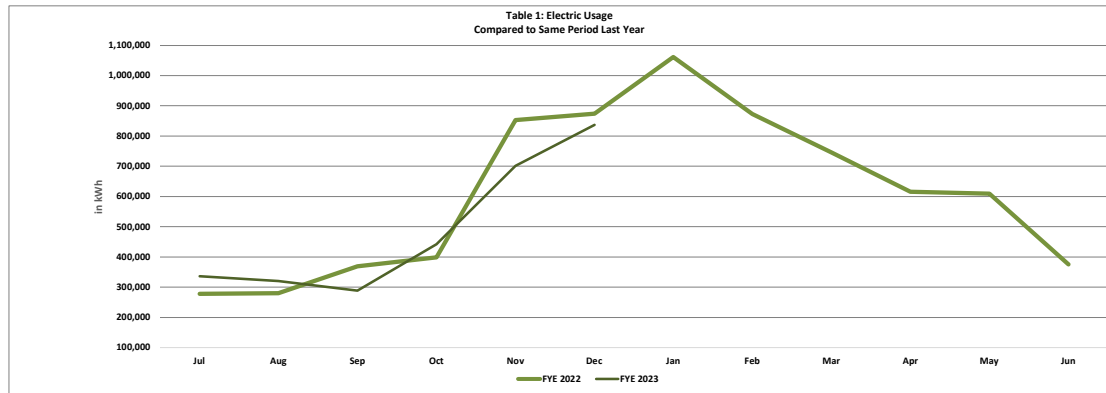
6. CAPITAL PROJECTS

As additional information, Table 11 provides a status summary of the capital projects that are primarily managed by the LAVWMA General Manager. The O&M budget and expenditures discussed in this quarterly report do not include capital projects.

TABLE 1 - Electric Usage, Efficiency and Costs

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report

PG&E Service Accounts: Rate Schedule B20 starting March 2021																	Total Export Flow ¹	Pumping			
Acct # 8482061923-1 Service A							Acct # 8440395259-5 Service B						Billing Days	Total			MG	Energy kWh/MG	Cost \$/MG	\$/AF	Efficiency %
Month	kWh	Peak	Partial Peak	Off Peak	Super Off Peak	\$	kWh	Peak	Partial Peak	Off Peak	Super Off Peak	\$		kWh	\$/kWh	\$					
Jul-22	0	0	0	0	0	\$1,807	336,556	1,732	1,635	333,189	0	\$72,791	31	336,556	\$0.22	\$74,598	167	2,021	\$448	\$146	68.8%
Aug-22	140,062	0	44	140,018	0	\$30,882	180,226	2,139	1,914	176,173	0	\$40,618	32	320,288	\$0.22	\$71,500	163	1,966	\$439	\$143	70.7%
Sep-22	123,902	0	0	123,902	0	\$28,070	165,391	2,105	1,813	161,473	0	\$37,727	30	289,293	\$0.23	\$65,797	131	2,209	\$502	\$164	62.9%
Oct-22	140,195	0	0	140,195	0	\$34,065	301,346	2,156	997	298,193	0	\$67,784	29	441,541	\$0.23	\$101,849	201	2,199	\$507	\$165	63.2%
Nov-22	245,189	0	0	245,189	0	\$54,210	456,025	2,817	0	453,208	0	\$87,368	32	701,214	\$0.20	\$141,578	340	2,063	\$416	\$136	67.4%
Dec-22	175,006	5,433	0	169,573	0	\$34,895	662,353	16,666	0	645,687	0	\$126,168	29	837,359	\$0.19	\$161,063	406	2,061	\$396	\$129	67.5%
Jan-23																	344	0	\$0	\$0	n/a
Feb-23																	0	n/a	n/a	n/a	n/a
Mar-23																	0	n/a	n/a	n/a	n/a
Apr-23																	0	n/a	n/a	n/a	n/a
May-23																	0	n/a	n/a	n/a	n/a
Jun-23																	0	n/a	n/a	n/a	n/a
Quarter																					
Average	186,797					\$41,057	473,241					\$93,773	30	660,038	\$0.21	\$134,830	316	2,108	\$440	\$143	66.0%
Total	560,390					\$123,170	1,419,724					\$281,320	90	1,980,114		\$404,490	947	6,323			
Minimum	140,195					\$34,065	301,346					\$67,784	29	441,541	\$0.19	\$101,849	201	2,061	\$396	\$129	63.2%
Maximum	245,189					\$54,210	662,353					\$126,168	32	837,359	\$0.23	\$161,063	406	2,199	\$507	\$165	67.5%
YTD																					
Average	137,392					\$30,655	350,316					\$72,076	31	487,709	\$0.22	\$102,731	146	1,789	\$387	\$126	66.7%
Total	824,354					\$183,930	2,101,897					\$432,455	183	2,926,251		\$616,385	1,751	12,520			
Minimum	0					\$1,807	165,391					\$37,727	29	289,293	\$0.19	\$65,797	0	0	\$0	\$0	62.9%
Maximum	245,189					\$54,210	662,353					\$126,168	32	837,359	\$0.23	\$161,063	406	2,209	\$507	\$165	70.7%

**NOTES:**

1) This Table 1 does not reflect what was the actual expenditures paid for the month and may not match what is in Table 8 Expenditures. The primary purpose of Table 1 is to show the electric usage and efficiency for the month it actually occurred.

2) To calculate pumping efficiency, read dates, electric usage, and export flows are **matched to PG&E billing periods**: 9/14 - 10/12 for October, 10/13 - 11/13 for November, and 11/14 - 12/12 for December.

3) Pumping efficiency is based on continuous average flows and a TDH of 442.8 feet, including static lift of 408.8 feet and piping losses of 34 feet (per Charlie Joyce, B&C, 2/12/07).

TABLE 2 - Pump Run Time Hours

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report

											TOTAL	
	Pump No. 1	Pump No. 2	Pump No. 3	Pump No. 4	Pump No. 5	Pump No. 6	Pump No. 7	Pump No. 8	Pump No. 9	Pump No. 10	Pump Run Hours	Pump Utilization %
Month	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	%
Jul-22	0	14	0	338	0	1	0	1	182	183	719	9.7%
Aug-22	0	1	95	296	0	1	93	1	0	298	784	10.5%
Sep-22	0	79	87	124	118	1	125	23	188	124	869	12.1%
Oct-22	0	207	79	186	128	47	309	109	110	68	1,243	16.7%
Nov-22	0	492	255	7	224	30	296	118	459	10	1,890	26.3%
Dec-22	0	430	320	240	301	105	425	110	521	29	2,483	33.4%
Jan-23											0	0.0%
Feb-23											0	0.0%
Mar-23											0	0.0%
Apr-23											0	0.0%
May-23											0	0.0%
Jun-23											0	0.0%
Quarter												
Average	0	376	218	144	218	61	344	112	363	36	1,872	25.4%
Total	0	1,129	654	433	653	182	1,031	336	1,090	107	5,616	
Minimum	0	207	79	7	128	30	296	109	110	10	1,243	16.7%
Maximum	0	492	320	240	301	105	425	118	521	68	2,483	33.4%
YTD												
Average	0	204	139	199	129	31	208	60	243	119	666	9.1%
Total	0	1,222	836	1,192	771	185	1,249	361	1,461	712	7,989	
Minimum	0	1	0	7	0	1	0	1	0	10	0	0.0%
Maximum	0	492	320	338	301	105	425	118	521	298	2,483	33.4%

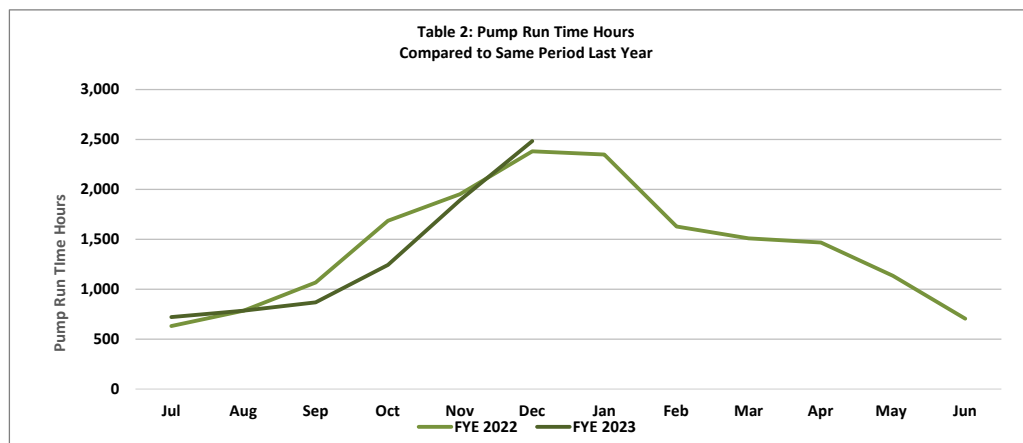


TABLE 3 - Monthly Average Storage Basin Levels and Volume**LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report**

Month	Average Daily Volume			Average Volume Stored MG	Storage Available MG	Storage Basin Utilization %
	Basin No. 1	Basin No. 2	Basin No. 3			
	Feet	Feet	Feet			
Jul-22	1.58	0.21	4.24	3.06	18	17.0%
Aug-22	2.17	0.22	3.82	3.02	18	16.8%
Sep-22	3.18	1.52	5.08	4.99	18	27.7%
Oct-22	3.20	0.21	1.77	2.38	18	13.2%
Nov-22	1.48	2.31	6.06	5.29	18	29.4%
Dec-22	4.06	0.25	5.27	4.92	18	27.3%
Jan-23					18	0.0%
Feb-23					18	0.0%
Mar-23					18	0.0%
Apr-23					18	0.0%
May-23					18	0.0%
Jun-23					18	0.0%
<u>Quarter</u>						
Average	2.91	0.92	4.37	4.20		0.23
Minimum	1.48	0.21	1.77	2.38		0.13
Maximum	4.06	2.31	6.06	5.29		0.29
<u>YTD</u>						
Average	2.82	0.90	4.40	3.94		11.0%
Minimum	1.48	0.21	1.77	2.38		0.0%
Maximum	4.06	2.31	6.06	5.29		29.4%

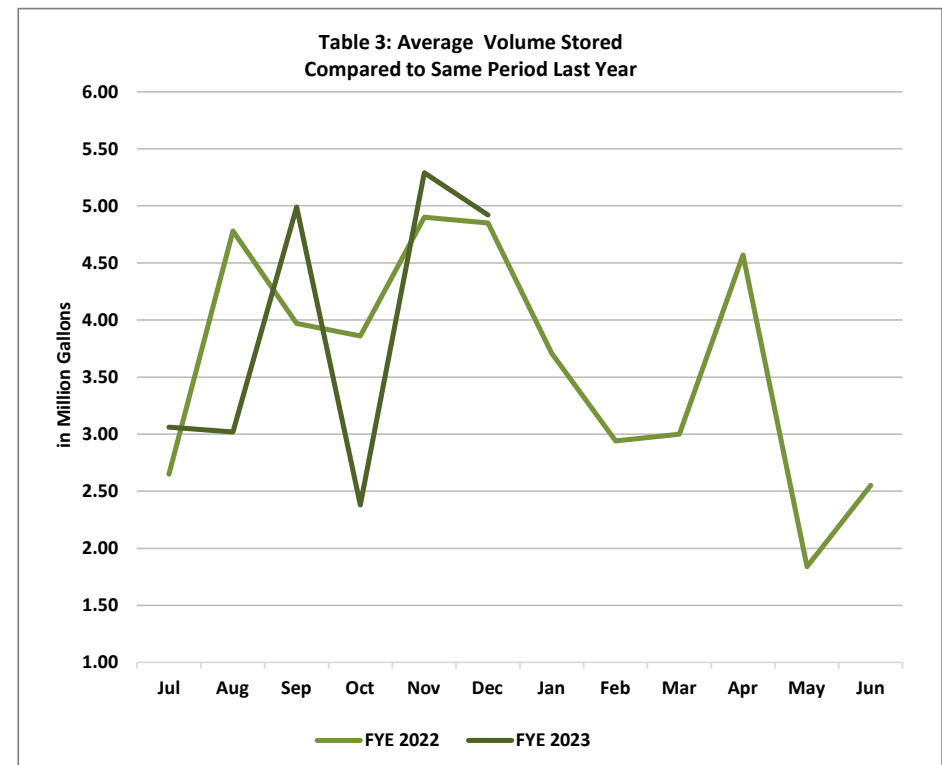
**Note:** Total available storage volume is 18 million gallons.

TABLE 4 - Monthly Export Flow

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report
Estimated Flow: 3,552 MG

	Dublin San Ramon	Pleasanton	Livermore	Combined Export	Total for	PGE tab
Month	Flow * MG	Flow * MG	Flow MG	Flow MG	Quarter	
Jul-22	0.00	52.86	109.08	161.93		161.93
Aug-22	0.00	66.98	95.65	162.62		162.62
Sep-22	0.00	68.48	92.90	161.38	485.94	161.38
Oct-22	10.48	140.14	104.04	254.65		254.65
Nov-22	98.09	169.48	122.41	389.98		389.98
Dec-22	187.90	189.56	154.12	531.58	1,176.22	531.58
Jan-23	0.00	0.00				0.00
Feb-23	0.00	0.00				0.00
Mar-23	0.00	0.00			0.00	0.00
Apr-23	0.00	0.00				0.00
May-23	0.00	0.00				0.00
Jun-23	0.00	0.00			0.00	88.82
Quarter						
Total	296.47	499.18	380.57	1,176.22		
Average	98.82	166.39	126.86	392.07		
Minimum	10.48	140.14	104.04	254.65		
Maximum	187.90	189.56	154.12	531.58		
YTD						
Total	296.47	687.49	678.20	1,662.16		
Average	24.71	57.29	113.03	277.03		
Minimum	0.00	0.00	92.90	161.38		
Maximum	187.90	189.56	154.12	531.58		

Budgeted Flow:
3552

* Monthly totals do not include flows diverted for recycling use by DERWA and Pleasanton.

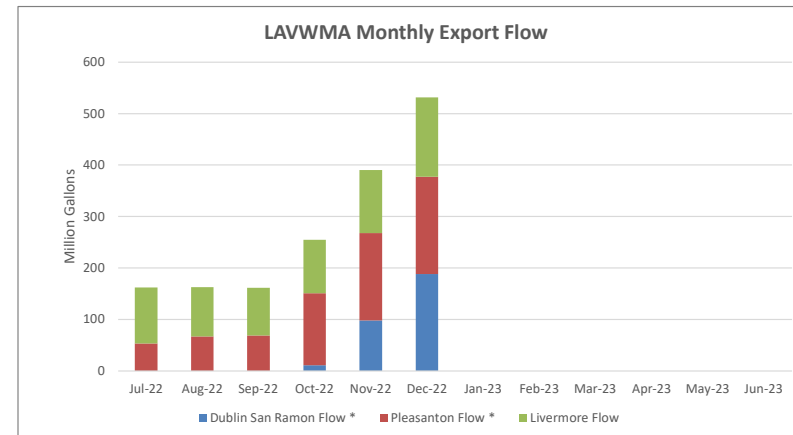
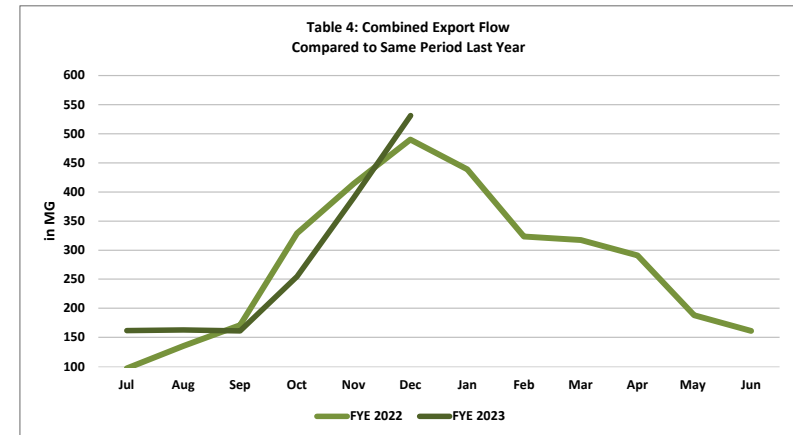


TABLE 5 - Labor Effort, Expenditures, and Budget Utilization

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report

FY Labor Budget \$1,161,350

	Billed			YTD		Labor	Export	
	Labor	FTE	Labor	Labor	Budget	Budget	Flow	
Month	Hours	Equiv	Invoice	Expense	Utilization	Remaining	MG	AF
-----	-----	-----	-----	-----	-----	-----	-----	-----
Jul-22	433.0	2.5	\$83,781	\$83,781	7.2%	\$1,077,569	161.93	497
Aug-22	345.0	2.0	\$73,088	\$156,869	13.5%	\$1,004,481	162.62	499
Sep-22	343.0	2.0	\$66,501	\$223,370	19.2%	\$937,980	161.38	495
Oct-22	567.5	3.3	\$105,424	\$328,794	28.3%	\$832,556	254.65	782
Nov-22	215.0	1.2	\$46,528	\$375,322	32.3%	\$786,028	389.98	1,197
Dec-22	532.5	3.1	\$105,889	\$481,211	41.4%	\$680,139	531.58	1,631
Jan-23								
Feb-23								
Mar-23								
Apr-23								
May-23								
Jun-23								
<u>QUARTER</u>								
Total	1,315.0		\$257,841				1,176.22	3,610
Average	438.3	2.5	\$85,947				392.07	1,203
Minimum	215.0	1.2	\$46,528				254.65	782
Maximum	567.5	3.3	\$105,889				531.58	1,631
<u>YTD</u>								
Total YTD	2,436.0		\$481,211		41.4%	\$680,139	1,662.16	5,101
Average YTD	406.0	2.3	\$80,202				277.03	850
Minimum	215.0	1.2	\$46,528				161.38	495
Maximum	567.5	3.3	\$105,889				531.58	1,631

Notes:

TABLE 6 - O&M Expenditures and Budget Utilization

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report

Total O&M Budget: **\$2,861,289**

Month	Labor Expenses	A/P Expenses	Total O&M Expenses	YTD O&M Expenses	Budget Utilization	O&M Budget Remaining	Overall O&M Cost		Export Flow	
							\$/MG	\$/AF	MG	AF
Jul-22	\$83,781	\$3,146	\$86,927	\$86,927	3.0%	\$2,774,362	\$537	\$175	161.93	497
Aug-22	\$73,088	\$171,670	\$244,757	\$331,684	11.6%	\$2,529,605	\$1,505	\$490	162.62	499
Sep-22	\$66,501	\$75,275	\$141,776	\$473,460	16.5%	\$2,387,829	\$879	\$286	161.38	495
Oct-22	\$105,424	\$143,851	\$249,275	\$722,735	25.3%	\$2,138,554	\$979	\$319	254.65	782
Nov-22	\$46,528	\$147,294	\$193,823	\$916,558	32.0%	\$1,944,731	\$497	\$162	389.98	1,197
Dec-22	\$105,889	\$168,886	\$274,775	\$1,191,333	41.6%	\$1,669,956	\$517	\$168	531.58	1,631
Jan-23										
Feb-23										
Mar-23										
Apr-23										
May-23										
Jun-23										
<u>QUARTER</u>										
Total	\$257,841	\$460,032	\$717,873				\$610	\$199	1,176.22	3,610
Average	\$85,947	\$153,344	\$239,291						392.07	1,203
Minimum	\$46,528	\$143,851	\$193,823				\$497	\$162	254.65	782
Maximum	\$105,889	\$168,886	\$274,775				\$979	\$319	531.58	1,631
<u>YTD</u>										
Total YTD	\$481,211	\$710,122	\$1,191,333		41.6%	\$1,669,956	\$717	\$234	1,662.16	5,101
Average YTD	\$80,202	\$118,354	\$198,556							
Minimum	\$46,528	\$3,146	\$86,927				\$497	\$162	161.38	495
Maximum	\$105,889	\$171,670	\$274,775				\$1,505	\$490	531.58	1,631

Notes:

TABLE 7 - O&M Expenditures and Budget Utilization for Livermore Sole Use Facilities

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report

Livermore Sole Use Facilities			
Month	Labor	A/P	Total
-----	Expenses	Expenses	Expenses
-----	-----	-----	-----
Jul-22	\$0	\$0	\$0
Aug-22	\$0	\$545	\$545
Sep-22	\$0	\$257	\$257
Oct-22	\$0	-\$461	-\$461
Nov-22	\$0	\$550	\$550
Dec-22	\$0	\$1,245	\$1,245
Jan-23	\$0	\$0	\$0
Feb-23	\$0	\$0	\$0
Mar-23	\$0	\$0	\$0
Apr-23	\$0	\$0	\$0
May-23	\$0	\$0	\$0
Jun-23	\$0	\$0	\$0
<u>Quarter</u>			
Total	\$0	\$1,334	\$1,334
Average	\$0	\$445	\$445
Minimum	\$0	-\$461	-\$461
Maximum	\$0	\$1,245	\$1,245
<u>YTD</u>			
YTD Total	\$0	\$2,136	\$2,136
YTD Average	\$0	\$178	\$178
YTD Minimum	\$0	-\$461	-\$461
YTD Maximum	\$0	\$1,245	\$1,245

TABLE 8

Item No. 11

LAVWMA
BUDGET COMPARISON TO ACTUAL EXPENSES: GOODS & SERVICES

Current FY Period: 6

ACTUAL EXPENSES BILLED TO LAVWMA FOR REGULAR O&M																
	Budget FY 2022-2023	July 2022	August 2022	September 2022	October 2022	November 2022	December 2022	January 2023	February 2023	March 2023	April 2023	May 2023	June 2023	YTD TOTAL	YTD Budget	
Labor																
Staff	\$1,161,350	\$83,781	\$73,088	\$66,501	\$105,424	\$46,528	<u>\$105,889</u>							<u>\$481,211</u>	<u>\$580,675</u>	
Subtotal	\$1,161,350	\$83,781	\$73,088	\$66,501	\$105,424	\$46,528	\$105,889	\$0	\$0	\$0	\$0	\$0	\$0	\$481,211	\$580,675	
Materials & Supplies																
Operations Supplies	\$13,650	\$74	\$12	\$12	\$12	\$12	\$14							\$137	\$6,825	
Mechanical Supplies	\$27,300	\$432	\$238	\$249		\$1,882	\$1,199							\$4,000	\$13,650	
Electrical Supplies	<u>\$48,447</u>	<u>\$19</u>	<u>\$1,188</u>	<u>\$3,675</u>	<u>\$2,274</u>	<u>\$19</u>	<u>\$38</u>							<u>\$7,213</u>	<u>\$24,224</u>	
Subtotal	\$89,397	\$526	\$1,438	\$3,936	\$2,286	\$1,913	\$1,251	\$0	\$0	\$0	\$0	\$0	\$0	\$11,350	\$44,699	
Laboratory Analysis																
Compliance Testing	\$10,500	\$848	\$1,060	\$848	\$848	\$1,060	\$848							\$5,512	\$5,250	
Operational Support Testing	\$4,200	\$392	\$392	\$392	\$392	\$392	\$392							\$2,352	\$2,100	
Special Sampling	<u>\$23,100</u>	<u>\$1,380</u>	<u>\$1,490</u>	<u>\$1,380</u>	<u>\$1,380</u>	<u>\$1,490</u>	<u>\$1,380</u>							<u>\$8,500</u>	<u>\$11,550</u>	
Subtotal	\$37,800	\$2,620	\$2,942	\$2,620	\$2,620	\$2,942	\$2,620	\$0	\$0	\$0	\$0	\$0	\$0	\$16,364	\$18,900	
Contractual Services																
Sub-surface Repairs	\$15,750													\$0	\$7,875	
Street Sweeping	\$5,250													\$0	\$2,625	
Cathodic Protection Survey & Repairs	\$31,500				\$35,693									\$35,693	\$15,750	
Underground Service Alert	\$4,725				\$508									\$508	\$2,363	
SCADA software maintenance contract	\$17,850		\$5,052											\$5,052		
Remote monitoring annual service for PS and Rec	\$5,250													\$0		
Med voltage switchgear 3-yr PM (FY22, \$18k)														\$0		
HVAC Maintenance/Repairs	\$788													\$0	\$394	
Termite/Pest Control	\$945													\$0	\$473	
Landscape/weed maintenance	\$10,500			\$980										\$980	\$5,250	
Janitorial Service	\$9,975	<i>paid in July</i>	\$440	\$880			\$1,320							\$2,639	\$4,988	
Fire Extinguisher Maintenance	\$210													\$0	\$105	
Postage/Shipping Charges	\$0													\$0	\$0	
Misc Professional/Contractual Services	\$31,500		\$14,008		\$1,356		\$1,763							<u>\$17,127</u>	<u>\$15,750</u>	
Subtotal	\$134,243	\$0	\$19,499	\$1,860	\$37,556	\$0	\$3,083	\$0	\$0	\$0	\$0	\$0	\$0	\$61,998	\$67,122	
Utilities																
Electricity (PG&E)	\$1,430,205	<i>paid in Aug</i>	\$147,188	\$66,310	\$101,389	\$142,128	\$161,717							\$618,732	\$715,103	
Water & Sewer (Pleasanton)	\$945		\$396	\$327		\$311								\$1,033	\$473	
Water (EBMUD)	\$1,050		\$207	\$222			\$215							\$645	\$525	
Telephone/communications	\$6,300													\$0	\$3,150	
WW Treatment (DSRSD)	\$0													<u>\$0</u>	<u>\$0</u>	
Subtotal	\$1,438,500	\$0	\$147,790	\$66,859	\$101,389	\$142,439	\$161,932	\$0	\$0	\$0	\$0	\$0	\$0	\$620,410	\$719,250	
Non-Routine																
	\$0													\$0	\$0	
Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Monthly Total		\$86,927	\$244,757	\$141,776	\$249,275	\$193,823	\$274,775	\$0	\$0	\$0	\$0	\$0	\$0	\$1,191,333	\$1,430,645	
YTD Total	\$2,861,290	\$86,927	\$331,684	\$473,460	\$722,735	\$916,558	\$1,191,333	\$1,191,333	\$1,191,333	\$1,191,333	\$1,191,333	\$1,191,333	\$1,191,333			
Combined Export Flow, mg	3552	162	163	161	256	390	532							1,663	1,776	
Pumping Efficiency																
Monthly Cost, \$/mg		\$537	\$1,505	\$879	\$975	\$497	\$517	-	-	-	-	-	-			
YTD Running Cost, \$/mg	\$805	\$537	\$1,022	\$974	\$975	\$810	\$716	-	-	-	-	-	-	\$716		

Q1 Notes:

PG&E bills for Feeder A and B for July were actually paid in August (processed late due to MUNIS transition issues)
Landscaping: July was paid in Aug and Sep expenditure includes both Aug and Sep invoices

Q2 Notes:

Cathodic Repairs: Four manhole collars replaced with paving, LAV Dublin Canyon

LAVWMA
BUDGET COMPARISON TO ACTUAL EXPENSES: LABOR

Current FY Period: 6

ACTUAL EXPENSES BILLED TO LAVWMA FOR REGULAR O&M														
FY 2022-2023	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Apr 2023	May 2023	Jun 2023	YTD TOTAL	YTD Budget
<i>Estimated Personnel Hours</i>														
Division 51 - FOD	40	-	-	-	10.00	-	10.00	-	-	-	-	-	20.00	20.00
Water/Wastewater Sys Lead Op	0												-	-
Water/Wastewater Sys OP IV-On Call	0												-	-
Water/Wastewater Sys OP IV	30												-	15.00
Water/Wastewater Sys OP III	0												-	-
Water/Wastewater Sys OP I/II	10				10.00		10.00						20.00	5.00
Maintenance Worker	0												-	-
Supervisor	0												-	-
Division 52 - WWTP	3,080	133.00	121.50	171.00	284.00	123.00	250.50	-	-	-	-	-	1,083.00	1,540.00
Process Lead Operator IV/V	150		24.00	1.00	10.00	7.00	7.00						49.00	75.00
Senior WWTP Operator III	720	37.00	73.50	79.50	72.00	72.00	62.00						396.00	360.00
Operator In Training	400	59.50	9.00	79.50	148.00	12.00	95.50						403.50	200.00
Operator II	1,700	36.50	15.00	11.00	54.00	32.00	86.00						234.50	850.00
Operator II (SLSS)	0												-	-
Operations Superintendent	110												-	55.00
Division 53 - MECH	1,230	149.50	171.00	138.50	147.50	69.00	207.00	-	-	-	-	-	882.50	615.00
Senior Mechanic-Crane Cert	60	44.00	70.50	69.00	29.50	34.00	77.00						324.00	30.00
Senior Mechanic - USA	80		16.50	29.50	12.50	8.00							66.50	40.00
Maintenance Worker	60				5.00								5.00	30.00
Mechanic I/II	980	20.50	29.00	28.00	17.00	4.00	62.50						161.00	490.00
Mechanic II-Crane Cert	0	68.50	43.00	10.00	43.00	9.00	41.50						215.00	-
Mechanic I/II - USA	0		4.00	2.00	10.00	2.00	24.00						42.00	-
Mechanic II-Crane Cert - USA	0	16.50	8.00		30.50	12.00	2.00						69.00	-
Supervisor	50												-	25.00
Division 54 - ELEC	1,130	136.00	44.00	31.00	119.50	16.00	42.00	-	-	-	-	-	388.50	565.00
Senior Instrument/Controls Tech	30	18.00		1.00		2.00	9.00						30.00	15.00
Instrumentation & Controls Tech I/II	300	55.00	35.00	8.50	63.50	5.00	7.00						174.00	150.00
OPS Control Sys Spec	300												-	150.00
Senior Electrician	30												-	15.00
Electrician I/II	440	63.00	7.00	19.50	53.00	8.00	26.00						176.50	220.00
Principal Electrical Engineer	30		2.00	2.00	3.00	1.00							8.00	15.00
Division 55 - Laboratory	0	-	-	-	-	-	-	-	-	-	-	-	-	-
EC Inspector II-Pretreatment	0	-											-	-
Laboratory Technician	0	-											-	-
Supervisor	0	-											-	-
Division 26 - SAFETY	60	-	-	-	-	-	-	-	-	-	-	-	-	30.00
Safety Officer	60	-	-	-	-	-	-	-	-	-	-	-	-	30.00
Division 40 - ENG	260	14.50	8.50	2.50	6.50	7.00	23.00	-	-	-	-	-	62.00	130.00
Senior Engineer-Supervisory	0												-	-
Associate/Senior Civil Engineer-SME	100	14.50	4.50	2.50	6.50	7.00	23.00						58.00	50.00
Construction Inspector I/II	80		4.00										4.00	40.00
Engineering Technician II	40												-	20.00
GIS Analyst	40												-	20.00
<i>Total Estimated Personnel Hours</i>	5,800													
<i>FTE</i>	2.8													
Total Monthly Hours	433.00	345.00	343.00	567.50	215.00	532.50	-	-	-	-	-	-	2,436.00	2,900.00

TABLE 9

LAVWMA	October	2022
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Parameter	Flow	CBOD	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Coliforms	Enterococci
Units	MGD	mg/L	mg/L	SU	SU	mg/L	mg/L	MPN/100mL	MPN/100mL
Test Method	Daily Average (M)	SM 5210 B-2011	SM 2540 D-2011	SM 4500-H+B-2011	SM 4500-H+B-2011	Daily Average (N)	Daily Average	SM 9221 C,E-2006	Enterolert
MDL									
RL		3.0	4.5					2	1
Location	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS	SLSS	SLSS
10/1/2022	7.72			7.32	7.58	1.52			
10/2/2022	8.76			7.42	7.56	1.70			
10/3/2022	8.19			7.34	7.55	1.97			
10/4/2022	8.97			7.40	7.54	1.49		2	2
10/5/2022	7.18	3.5	7.4	7.06	7.59	1.55			
10/6/2022	7.56			7.18	7.37	2.41			
10/7/2022	5.06			7.13	7.37	3.30			
10/8/2022	4.43			7.11	7.35	2.92			
10/9/2022	7.07			7.10	7.36	4.02			
10/10/2022	4.94			7.15	7.33	3.98			
10/11/2022	9.49			7.13	7.33	3.11		<2	1
10/12/2022	6.99	<3.0	DNQ 3.0	7.06	7.37	3.64			
10/13/2022	6.64			7.13	7.33	3.56			
10/14/2022	8.12			7.13	7.35	3.62			
10/15/2022	8.22			7.13	7.34	4.09			
10/16/2022	9.79			7.17	7.33	4.17			
10/17/2022	11.33			7.16	7.34	4.25			
10/18/2022	11.18			7.13	7.41	3.36		11	1
10/19/2022	11.40	3.3	4.7	7.11	7.33	1.97			
10/20/2022	6.45			7.11	7.83	1.70			
10/21/2022	7.02			7.18	7.39	1.62			
10/22/2022	5.63			7.20	7.34	1.61			
10/23/2022	11.08			7.18	7.35	1.56			
10/24/2022	9.57			7.11	7.41	1.67			
10/25/2022	8.14			7.10	7.35	1.73		<2	<1
10/26/2022	8.57	3.7	4.6	7.06	7.48	1.72			
10/27/2022	8.34			7.08	7.31	1.72			
10/28/2022	8.06			7.11	7.30	1.64			
10/29/2022	5.48			7.15	7.31	1.58			
10/30/2022	11.85			7.16	7.28	1.42			
10/31/2022	11.43			7.10	7.50	1.81			

Note:

Column E - pH Minimum; online

Column F - pH Maximum; online

LAVWMA	November		2022
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Parameter	Flow	CBOD Qual	CBOD	TSS Qual	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Qual	Fecal Coliforms	Entero Qual	Enterococci
Units	MGD		mg/L		mg/L	SU	SU	mg/L	mg/L		MPN/100mL		MPN/100mL
Test Method	Daily Average (Mean)		SM 5210 B-2011		SM 2540 D-2011	SM 4500-H+B-2011	SM 4500-H+B-2011	Daily Average (Mean)	Daily Average (Mean)		SM 9221 C,E-2006		Enterolert
MDL													
RL			2.0		4.5						2		1
Location	LAVWMA-EXP		LAVWMA-EXP		LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS		SLSS		SLSS
11/1/2022	10.41					7.25	7.33	1.59			2	<	1
11/2/2022	11.37		2.9		7.1	7.23	7.35	1.78					
11/3/2022	11.34					7.19	7.38	1.78					
11/4/2022	11.33					7.21	7.32	1.75					
11/5/2022	9.44					7.12	7.29	1.28					
11/6/2022	15.63					7.17	7.29	1.14					
11/7/2022	14.58					7.15	7.28	1.51					
11/8/2022	14.59					7.12	7.28	1.52					4.1
11/9/2022	14.69		4.4		6.2	7.06	7.23	1.52					
11/10/2022	14.71					7.10	7.24	1.41					
11/11/2022	14.17					7.15	7.39	1.41					
11/12/2022	14.72					7.23	7.41	2.23					
11/13/2022	14.71					7.17	7.42	2.77					
11/14/2022	15.10					7.18	7.36	2.61					
11/15/2022	14.59					7.15	7.33	2.59		<	2		16.3
11/16/2022	10.65		4.5		7.8	7.10	7.39	2.49					
11/17/2022	12.38					7.11	7.33	2.98					
11/18/2022	14.06					7.10	7.28	3.47					
11/19/2022	13.88					7.08	7.25	2.93					
11/20/2022	9.51					7.08	7.27	3.54					
11/21/2022	13.95					7.06	7.24	2.59					
11/22/2022	13.27					7.08	7.42	3.14		<	2		6
11/23/2022	12.99		6.3		6.0	7.08	7.32	3.88					
11/24/2022	11.12					7.08	7.28	3.31					
11/25/2022	13.81					7.02	7.23	3.03					
11/26/2022	11.08					7.08	7.28	2.56					
11/27/2022	11.25					7.04	7.25	2.21					
11/28/2022	14.93					7.06	7.20	2.55					
11/29/2022	12.49					7.03	7.23	2.55			17		1
11/30/2022	13.24		6.2		9.0	7.10	7.32	2.66					

Note:

Column E - pH Minimum; online

Column F - pH Maximum; online

LAVWMA	December		2022	
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Parameter	Flow	CBOD Qual	CBOD	TSS Qual	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Qual	Fecal Coliforms	Entero Qual	Enterococci
Units	MGD		mg/L		mg/L	SU	SU	mg/L	mg/L		MPN/100mL		MPN/100mL
Test Method	Daily Average (Mean)		SM 5210 B-2011		SM 2540 D-2011	SM 4500-H+B-2011	SM 4500-H+B-2011	Daily Average (Mean)	Daily Average (Mean)		SM 9221 C,E-2006		Enterolert
MDL					1.4								
RL			3.0		4.5						2		1
Location	LAVWMA-EXP		LAVWMA-EXP		LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS		SLSS		SLSS
12/1/2022	12.99					7.15	7.25	3.13					
12/2/2022	15.93					7.12	7.25	2.39					
12/3/2022	16.04					7.15	7.22	2.78					
12/4/2022	16.78					7.07	7.19	3.47					
12/5/2022	15.17					7.04	7.19	3.68					
12/6/2022	13.98					7.11	7.24	3.42			13		6.2
12/7/2022	15.05		7.6		9.2	7.15	7.30	3.84					
12/8/2022	15.29					7.12	7.25	3.91					
12/9/2022	14.46					7.15	7.25	4.13					
12/10/2022	16.20					7.07	7.22	4.03					
12/11/2022	18.35					7.04	7.19	3.98					
12/12/2022	17.72					7.11	7.19	3.50					
12/13/2022	19.23					7.15	7.24	3.87		<	2	<	10
12/14/2022	20.07		6.4		5.6	7.12	7.30	3.78					
12/15/2022	18.69					7.15	7.08	3.56					
12/16/2022	19.08					7.07	7.19	3.79					
12/17/2022	14.88					7.04	7.19	4.27					
12/18/2022	16.66					7.11	7.24	4.56					
12/19/2022	16.48					7.04	7.30	4.42					
12/20/2022	16.66					7.11	7.25	4.22			4		10
12/21/2022	16.24					7.15	7.25	3.64					
12/22/2022	14.45		12.6		18.0	7.12	7.22	3.54					
12/23/2022	14.29					7.15	7.19	3.50					
12/24/2022	15.49					7.07	7.19	3.64					
12/25/2022	15.68					7.04	7.30	4.67					
12/26/2022	14.71					7.11	7.25	3.84					
12/27/2022	19.23					7.15	7.25	3.60			13	<	10
12/28/2022	20.64					7.12	7.22	4.33					
12/29/2022	19.09		8.8		11.0	7.15	7.19	4.87					
12/30/2022	26.19					7.07	7.19	5.21					
12/31/2022	25.88					7.04	7.30	5.97					

Note:

Column E - pH Minimum; online

Column F - pH Maximum; online

*DUBLIN SAN RAMON SERVICES DISTRICT
WASTEWATER TREATMENT FACILITY*

LAVWMA - 4th Quarter 2022

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO ₃)	Alkalinity (mg/L CaCO ₃)	pH (Actual)	pH Saturation	Langlier Index
10/08/22	834	26.1	136	366	7.3	7.1	0.2
11/15/22	774	20.8	152	382	7.6	7.1	0.5
12/06/22	766	18.9	134	340	7.5	7.3	0.2
MAXIMUM	834	26.1	152	382	7.6	7.3	0.5
MINIMUM	766	18.9	134	340	7.3	7.1	0.2
AVERAGE	791	21.9	141	363	7.5	7.2	0.3

*DUBLIN SAN RAMON SERVICES DISTRICT
WASTEWATER TREATMENT FACILITY*

DSRSD - 4th Quarter 2022

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO ₃)	Alkalinity (mg/L CaCO ₃)	pH (Actual)	pH Saturation	Langelier Index
10/08/22	802	24.6	154	376	7.5	7.1	0.4
11/15/22	764	21.3	164	392	7.4	7.1	0.3
12/06/22	795	20.2	153	348	7.1	7.2	-0.1
MAXIMUM	802	24.6	164	392	7.5	7.2	0.4
MINIMUM	764	20.2	153	348	7.1	7.1	-0.1
AVERAGE	787	22.0	157	372	7.3	7.1	0.2

CITY OF LIVERMORE
LIVERMORE WATER RECLAMATION PLANT

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO ₃)	Alkalinity (mg/L CaCO ₃)	pH (Actual)	pH Saturation	Langlier Index
10/05/22	573	25.0	75	338	7.6	7.5	0.1
11/02/22	660	22.0	104	322	7.6	7.4	0.2
12/08/22	660	19.0	93	320	7.4	7.5	-0.1
MAXIMUM	660	25.0	104	338	7.6	7.5	0.2
MINIMUM	573	19.0	75	320	7.4	7.4	-0.1
AVERAGE	631	22.0	91	327	7.5	7.5	0.1

TABLE 11

LAVWMA Action Item List

Month: Jan-23

SAG Task	Responsible Party	Due Date	Status	Completion Date
Items for February 2023 LAVWMA Board Meeting.	SAG	NA	Several items this month. Updates on current capital projects, continuing with remote meetings, legal and legislative issues, and the GM report.	
Operations Coordination Committee Task	Responsible Party	Due Date	Status	Completion Date
FYE23 Replacement Projects: See Items Below	Weir/Delight	Various dates	Refer to information below.	
MCC and Soft Starter Replacement Project. Carryover from FYE20 and into FYE21. Estimated design cost \$250,000. Project now includes Electrical Improvements to the Main Switchgear at the Pump Station. Total estimated cost \$2,300,000 - \$2,500,000.	Weir/Atendido	12/31/2021	Project is complete. The Notice of Completion with Alameda County has been filed and final payment has been made. One warranty item was successfully resolved in January 2023, related to the settings to allow the standby generator to operate properly.	11/30/2022
Resealing of all Three Storage Basins. Estimated cost \$200,000	Quinlan	12/31/2020	Project is complete. Some issues due to water getting under some of the seal areas. A few areas are being resealed.	6/30/2021
San Leandro Sample Station Design Improvements. Estimated cost \$1,000,000 plus engineering costs of \$230,000 for a total of \$1,230,000	Weir	12/31/2022	Final plans and specs are nearing completion. Hope to issue bid packet in March 2023. Likely that cost estimate will increase, requiring a budget amendment. Have also needed to increase HydroScience agreement to account for new information, and additional findings for the project.	12/31/2023
Cathodic Protection Projects. Estimated cost \$185,000	Weir/Atendido	12/31/2020	Corpro has completed most items that did not require any excavation. Permits have been received for three projects needing excavation and were provided to Corpro. We have heard nothing from Corpro in several months. Will likely cancel their contract and have another firm do it. Will return to full system inspection this fiscal year.	6/30/2023
PLC Upgrade at the Pump Station. Estimated cost \$300,000	TBD	6/30/2021	Will be included in DSRSD SCADA project, which is design build. Project has begun. Scoping meetings with staff have been held and the project is progressing.	
Pipeline Inspection. Estimated cost \$100,000	TBD	6/30/2021	DSRSD has outlined a plan for an inspection in the Spring 2023 time frame.	
Smart Detectors on High Maintenance Air/Vac and Air Release Valves. Estimated cost \$40,000	Quinlan	6/30/2022	Project is complete for six smart detectors. They have already prevented several spills due to advance notice to DSRSD staff. Anticipate buying and installing several more since they have been so successful.	6/30/2022
Replace three flow meters at the junction structure. Estimated cost is \$250,000.	TBA	6/30/2023	Flowmeters have been purchased and the Livermore flowmeter has been installed. A second flowmeter will be installed in early February 2023.	
Replace 17 valve actuators at the pump station. Estimated cost is \$255,555.	Quinlan	6/30/2023	There are seventeen valves that have electric actuators at the pump station. All of the valves actuators were installed when the pump station was upgraded twenty years ago and they are at the end of their useful lives. The actuators will be replaced with the newest technology and will match the style that are commonly used at DSRSD. The actuators cost approximately \$9,000 each and will be installed by DSRSD staff. The total cost includes staff time for the installation.	
PG&E Reliability and Solar/Battery storage. This is a new project and no cost has yet been identified.	Weir	TBD	Recent PG&E outages during the summer have resulted in concern that the same could occur during wet weather and result in unpermitted discharges. The Board also asked about solar/battery systems to offset demand charges and reduce energy costs. DTN Engineers has prepared a draft report recommending a 1.5MW standby generator that would run at least two large pumps for at least 24 hours during a PG&E outage. Not certain that is adequate. Cost of at least \$4M and three years. Rented a 2 KW generator for one month (\$40k rental plus \$10k mobilization and testing) and determined it will run four small pumps and pump approximately 19.4 MGD. Will use unused funds from agreement with Woodard & Curran to do additional flow modeling (recall EBDA "pick a flow") to assist in determining standby power needs. Having trouble getting solar provided to provide a proposal. Will need to issue an RFP for a PPP project, which could save up to \$500,000 in energy costs per year, but not address wet weather issues. Recommendations to Board likely to be solar project and rental of generator during winter high flow periods. More experience with PG&E may change that, since there have been no outages this winter.	TBD
Other Items				
Wet Weather Issues	Sevilla	10/31/2020	Many storms in January tested all facilities, with no serious issues. This will be discussed at January 30, 2023 Ops meeting.	
Live test of SLSS system	Sevilla/Atendido	TBD	A test was conducted on November 3, 2021. There were no significant issues encountered during the test. The SLSS design engineer was on site and gathered valuable information that will assist in the upgrade design.	
Live test of Alamo Canal discharge during wet weather	Carson/Sevilla	TBD	Planned test during storms in January did not occur due to staffing and safety issues. Looking to test during the next storms.	
Wet Well Isolation Gates	Quinlan	6/30/2023	Gate is in good shape but won't fully close. No date set, perhaps this winter. May be coordinated with replacement of the valve actuators.	
EBDA Enterococcus Issue	Sevilla		No issues at this time.	
YTD O&M Expenses compared to budget	Carson, Weir	Ongoing	No issues at this time. PG&E costs in January were high due to the numerous storms.	

Page 1

Agenda Explanation
 Livermore-Amador Valley
 Water Management Agency
 Board of Directors
 February 15, 2023

ITEM NO. 12 PROJECT STATUS REPORTS - MOTOR CONTROL CENTER REPLACEMENT PROJECT, PURCHASE OF THREE VERTICAL TURBINE PUMPS, AND THE SAN LEANDRO SAMPLE STATION IMPROVEMENTS PROJECT

Action Requested

None at this time.

Summary

The Board previously authorized the Motor Control Center Replacement Project (MCC Project), Purchase of Three Vertical Turbine Pumps, and the San Leandro Sample Station Improvements Project (SLSS Project). Each project is discussed in more detail below.

MCC Replacement Design and Construction Project Status

DTN Engineers is the design engineer, Royal Electric is the contractor, and Psomas is the construction manager. The Notice of Completion was filed with the County and was recorded on November 14, 2022. The final payment has been made and this project is now officially completed. One warranty item during the connection of the portable generator was successfully resolved. More information on the portable generator is included in the next agenda item.

Purchase of Three Vertical Turbine Pumps

After bidding issues were resolved, Trillium was selected to provide the three new vertical turbine pumps at a total cost of \$357,057. There were some delays in getting the submittals, but manufacturing of the pumps is underway. The three pumps were originally scheduled to be delivered by December 16, 2022. The pumps are now scheduled to be shipped on May 31, 2023.

The delay is frustrating, but other agencies are having the same problems with delivery of materials and getting projects completed as originally planned due to global supply chain and labor issues related to the pandemic. The last item to be scheduled is identifying dates for witness attendance at the pump testing. DSRSD staff and the pump engineering consultant, Tom Hendrey, will attend. The General Manager may also attend. The pump testing will take place at Trillium's facility in Fresno, California.

San Leandro Sample Station Improvements Project

HydroScience Engineers (HS) is the design engineer for this project. Their contract is for \$185,000. The original estimate for the construction cost was \$485,000. HS held a kick off meeting with DSRSD staff that included a site visit. In addition, HS attended the test of the system pursuant to the NPDES permit on November 3, 2021. The estimated construction cost has increased to \$730,000 as was reported at previous meetings. Engineering scope has been added to the project since it was first developed and prices have increased for many major items.

Page 2

Agenda Explanation
Livermore-Amador Valley
Water Management Agency
Board of Directors
February 15, 2023

Increasing the scope of the project has also increased the scope of the engineering services required. HydroScience submitted a request to increase their cost by \$44,800 above the original cost of \$185,000, or by 24.2%. This was approved by the Board at the February 16, 2022 meeting.

The front end specifications, with the exception of the final schedule, have been completed. The technical specifications and drawings are still being revised by HydroScience based on additional information. The latest issue needing resolution is rerouting pedestrian traffic to the Bay Trail around the construction site. A meeting was held with the Homeowners Association, HydroScience, and City of San Leandro on February 6. Fortunately all issues regarding pedestrian and vehicular traffic have been resolved pending final approval by the City of San Leandro.

It is now expected that the full bid packet will be issues in March 2023 and a recommendation for Award of Bid will be presented to the Board at the May 17, 2024 meeting. It is also possible that due to inflation, labor shortages, and supply chain issues that the bids will be above the current estimate of \$730,00. If that is the case, a budget modification will also need to be considered by the Board.

Recommendation

There are no recommendations at this time.

Attachments

None

Page 1

Agenda Explanation
 Livermore-Amador Valley
 Water Management Agency
 Board of Directors
 February 15, 2023

ITEM NO. 13 PROJECT STATUS REPORTS – REVIEW OF OPTIONS TO ADDRESS PG&E ELECTRICAL RELIABILITY AND PHOTO VOLTAIC / BATTERY STORAGE OPTIONS

Action Requested

None at this time.

Summary

PG&E Electrical Reliability

At the November 16, 2022 meeting, the Board reviewed the report from DTN Engineers, Export Pump Station Electrical Service Reliability Report. The report was in direct response to recent outages from PG&E that have been up to 16 hours in length. During dry weather, PG&E outages are not an operational issue as there is substantial storage so there is no need to use electricity to run the pumps that transmit the treated wastewater to the East Bay Dischargers Authority (EBDA) system. During wet weather, the inability to pump when storage capacity is reached could pose an operational problem. DTN worked with PG&E to get more information on the cause of the outages and to explore options for revising the system such that if one Feeder goes down the system automatically switches to the other Feeder. DTN's investigation has determined that the second feeder is now inadequate to provide the necessary power to all the pumps at the station.

The record drawing from November 2000 from the design engineer, GS Dodson & Associates includes the following statement: "PG&E WILL SIZE EACH 21KV FEEDER FROM PG&E TO THE PG&E SWITCH TO CARRY 5MVA LOAD." Unfortunately, that is no longer the case. The DTN report includes the following statement on the existing main single-line diagram:

RECORD OF YEAR 2000 PUMP STATION IMPROVEMENTS PROJECT
 INDICATES THAT EACH OF THE TWO CIRCUITS HAS 500KVA
 CAPACITY WHICH IS THE ENTIRE STATION'S LOAD.

AS OF TODAY (2020) THE ABOVE IS NO LONGER TRUE:

- CIRCUIT 2103 IS FULL (5000KVA) CAPACITY LINE.
- CIRCUIT 2118 IS FULLY LOADED WITH OTHER CUSTOMERS' LOADS.

LAVWMA routinely operates using the full capacity Circuit 2103. If power is lost to that circuit, PG&E would have to come to the site and manually switch the system to Circuit 2118. An automatic transfer switch could be installed, but since circuit 2118 is not capable of supplying all

of the pump station's needs, the automatic switch option is not viable. In fact, PG&E representatives refuse to state how much power Circuit 2118 will provide if they make the manual transfer. As a consequence, planning is virtually impossible under the current conditions. Other options are being pursued in an effort to avoid discharges to Alamo Canal.

The DTN report recommends installing a 1.5 MW Standby Generator to provide power for two large pumps during the time PG&E power may be offline during wet weather. The cost for the generator would be at least \$3,000,000 and would take two years to complete. The actual cost would like be more than that based on City of Livermore's recent generator project, which cost \$4,000,000. Modern diesel generators that meet all Bay Area Air Quality Management District (BAAQMD) requirements are extremely expensive in order to reduce diesel combustion particulates. A generator of this size or up to 2 MW should prevent overflows to Alamo Canal in all but the most extreme circumstances. An overflow may still occur is there is a power outage of 48 hours or more during extreme wet weather events. However the risk is very low and it may only occur every ten or twenty years.

These issues have been discussed with the Staff Advisory Group (SAG). There are still many unknowns regarding this project and LAVWMA's ability to meet all permit requirements. Some of the questions that still need further discussion before making a recommendation to the Board include the following:

1. Is it possible to manage extreme wet weather flows with existing storage at the pump station and treatment plants?
2. If the storage option is infeasible, what would be the maximum flow that could not be stored? This will determine the needed size of a standby generator assuming that is the best option.
3. Can temporary standby generators be used instead of needing a \$3M capital project?
4. Will PG&E outages occur in the wintertime?
5. Is it possible to get the Regional Board to allow discharges during extreme wet weather during PG&E outages? This seems unlikely, but it is worth inquiring.
6. Are there other possible solutions?

To address these questions, LAVWMA engaged the services of Woodard & Curran (W&C) who assisted during the flow modelling project during the EBDA negotiations. W&C evaluated each of the following alternatives for its ability to reduce the risk posed by blackouts:

- Status Quo prior to summer 2022
- Re-operate Storage to Increase Available Space, reflective of operations undertaken since the DTN findings of late 2022
- Upgrade Secondary PG&E Service
- Purchase Standby Generator

Page 3

Agenda Explanation
 Livermore-Amador Valley
 Water Management Agency
 Board of Directors
 February 15, 2023

- Lease or Rent Standby Generator
- Combinations of the above

A draft the W&C report has been received and is currently being reviewed. Preliminary recommendations include the following:

1. Send a letter to PG&E asking them to restore Circuit 2118 to its original capacity. The cost and timing of this option is not known, but it is likely very expensive and may take many years to implement. The letter could also request that PG&E modify the circuits such that they do not both come from the same substation, currently located in San Ramon. It is also possible that PG&E will not respond or will say it is not feasible.
2. Recognizing that the PG&E inquiry may take years to conclude and may ultimately not bear fruit, renting or leasing a generator could provide substantial risk reduction and provides flexibility. That option can be combined with re-operation of storage.

During the storms of late December and early January, the General Manager and the DSRSD Operations Director made a decision to test the concept of renting a generator. A 2MW generator was rented from United Rentals for a one month period in January and February. This also required rental of ancillary equipment, including a transformer to interface with the pump station Motor Control Center. The cost for this was \$48,000, which is roughly equivalent to the increased costs of keeping the basins low in an effort to be prepared for major storms and avoid discharges to Alamo Canal. DSRSD was able to successfully connect the generator and test it successfully. The generator was able to provide power to support four of the 500 HP pumps, and a flow of over 19 MGD. Coincidentally, this closely matches the uninterruptible capacity in EBDA of 19.72 MGD. The conclusion is that rental of a 2MW generator during periods of predicted extreme storm events is a viable option and would likely prevent unpermitted discharges to Alamo Canal.

Coincidentally, Peterson Power just sent an email announcing the following: “Introducing the new Tier 4 certified 2,000 kW standby power module that meets the most stringent U.S. emission regulation. This is a single unit configuration for easy transport and set up. The Cat XQ2280 fuel tank capacity allows for ten hours of continuous operation. Click below to learn more about the latest mobile generator.” This will be investigated to determine purchase and rental costs.

Additional information, including the cost of installing permanent equipment to facilitate the use of a portable generator, are still being obtained to allow the completion of the W&C report. It is anticipated that a final report and recommendations, including possible capital projects will be presented to the Board at the May 17, 2023 meeting.

Photo Voltaic / Battery Storage Options

DTN Engineers is also working on this task. They have been working with Total Energies to develop a preliminary design for a photo voltaic system (solar panels) at the pump station. Total Energies has developed a preliminary design of a system that will provide 1.74MW producing 2.8M kWh/year. In Fiscal Year ending June 30, 2022 the pump station consumed 7,333,592 kWh. The preliminary system would offset 38% of last year's kWh, which is equal to \$540,000. Unfortunately, Total Energies has opted to not provide a formal proposal. Of course the actual savings would depend on the agreements with PG&E and the private entity that receives the tax benefit through a Power Purchase Agreement (PPA) with LAVWMA. In addition, the actual space available at the pump station site still needs to be confirmed with DSRSD.

DTN will be asked to assist in the preparation of an RFP for a PPA with a private firm. Once the RFP is issued, proposals received and reviewed, a recommendation will be presented to the Board at that time. This should occur within the next few months.

Although the solar panel project may be pursued, it should be noted that it would not solve the problem with PG&E reliability described above. During extreme wet weather, there will be little power generated by the panels.

Recommendation

There are no recommendations at this time.

Attachments

None

Page 1

Agenda Explanation
Livermore-Amador Valley
Water Management Agency
Board of Directors
February 15, 2023

ITEM NO. 14. RESOLUTION DESIGNATING AUTHORIZED REPRESENTATIVES FOR FEMA AND CALIFORNIA OES DISASTER ASSISTANCE**Action Requested**

Approve Resolution No. 23-03 Resolution Designating Authorized Representatives for FEMA and California OES Disaster Assistance.

Summary

The General Manager and DSRSD Operations Manager attended a workshop sponsored by EBDA on the required processes for obtaining funding from either the Federal Emergency Management Agency (FEMA) or the California Office of Emergency Services (OES). Funding would be to offset costs associated with responding to a disaster such as an earthquake or wildfire. The workshop included a binder that included a PowerPoint presentation providing guidance and copies of applicable forms. The binder is now part of LAVWMA's files. Electronic copies of all items were also received and have been provided to all members of the Staff Advisory Group.

FEMA administers federal disaster assistance programs, and Cal OES administers state disaster assistance programs. All applicants for federal and/or state aid must submit paperwork related to disaster assistance to Cal OES. One of Cal OES's requirements is designation of the applicant's authorized agent. This designation is done by resolution of the governing body and can be done on a disaster-specific basis, or as a universal resolution for future disasters. Since the Board only meets quarterly, Staff is recommending that the Board adopt a universal resolution so that LAVWMA has it in place any time a disaster should occur. The resolution must be renewed every three years. It was last approved in 2019.

Staff is requesting that the Board designate the following positions as authorized representatives: General Manager, DSRSD Operations Director, and General Counsel. Having these three positions designated should ensure that at least one person is available to deal with any disaster. It is recommended that titles are used rather than names to avoid any need to resubmit if personnel changes were to occur.

Recommendation

Approve Resolution No. 23-03 Resolution Designating Authorized Representatives for FEMA and California OES Disaster Assistance.

Attachment

Resolution No. 23-03 Resolution Designating Authorized Representatives for FEMA and California OES Disaster Assistance.

Livermore-Amador Valley Water Management Agency

**RESOLUTION NO. 23-03 DESIGNATING AUTHORIZED REPRESENTATIVES FOR
FEMA AND CALIFORNIA OES DISASTER ASSISTANCE**

WHEREAS, the Livermore-Amador Valley Water Management Agency (“LAVWMA”) is a joint powers agency comprised of the cities of Livermore and Pleasanton and the Dublin San Ramon Services District;

WHEREAS, the LAVWMA Board of Directors intends to designate authorized representatives for Federal Emergency Management Agency and Governor’s Office of Emergency Services Disaster Assistance; and

WHEREAS, the Board intends to be prepared to the best of its ability in the event of a disaster; and

WHEREAS, the Governor’s Office of Emergency Services requires the Grantee to certify LAVWMA’s agents by title, by resolution approved by the Board, and by providing a certified copy of the Designation of Applicant’s Agent Resolution (Cal OES Form 130) to the Governor’s Office of Emergency Services.

NOW, THEREFORE BE IT RESOLVED, by the Board of Directors of LAVWMA that the General Manager or DSRSD Operations Manager or General Counsel are hereby authorized to execute for and on behalf of the Livermore-Amador Valley Water Agency, a public entity established under the laws of the State of California, this application and to file it with the Governor’s Office of Emergency Services for the purpose of obtaining certain federal assistance under Public Law 93-288 as amended by the Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988, and/or state financial assistance under the California Disaster Assistance Act;

BE IT FURTHER RESOLVED, that LAVWMA, a public entity established under the laws of the State of California, hereby authorizes its agent(s) to provide to the Governor’s Office of Emergency Services for all matters pertaining to such state disaster assistance, the assurances and agreements required.

DULY AND REGULARLY ADOPTED by LAVWMA’s Board of Directors this 15th day of February 2023 by the following vote:

AYES:

NOES:

ABSENT:

Bob Carling, Chair

ATTEST: _____
Charles V. Weir, General Manager

Page 1

Agenda Explanation
Livermore-Amador Valley
Water Management Agency
Board of Directors
February 15, 2023

ITEM NO. 15 UPDATE AND RESPONSE TO VARIOUS LEGAL AND LEGISLATIVE ISSUES**Action Requested**

None at this time.

Summary

Attached for the Board's information is **Item No. 15.1**, California Association of Sanitation Agencies (CASA) Regulatory Workgroup Agenda Packet for their January 19, 2023 meetings. It includes information for the Biosolids and Water Committees. Also attached for the Board's information is **Item No. 15.2**, CASA Connects dated January 5, 2023. The CASA documents include updates on a number of regulatory and legislative issues. The updates cover topics related to Water Quality, Biosolids, Air, and a Calendar for key dates and meetings.

BACWA has issued its Key Regulatory Issues Summary, Dated January 30, 2023, **Item No. 15.3**, which highlights regulatory issues for Bay Area wastewater treatment plants. A key item of interest for the member agencies is that the State Water Board has adopted the revised Sanitary Sewer Systems Waste Discharge Requirements on December 6, 2022. This order updates the requirements for agencies as to how they manage their collection systems in an effort to reduce sanitary sewer overflows, which can harm local streams and creeks.

PFAS continues to be a hot topic on a state and national basis. The Los Angeles Regional Board has required all wastewater treatment plants to sample for a specific list of PFAS compounds on a quarterly basis for influent, effluent, and biosolids. The analytical methods for these compounds have not been approved by EPA, so reporting the data as required could have negative repercussions.

CASA has not yet issued its list of priority legislative bills for 2023. An update will be included in the next agenda packet.

Recommendation

There is no recommendation at this time.

Attachments

- 15.1 CASA Regulatory Workgroup Agenda Packet for January 19, 2023
- 15.2 CASA Connects for January 5, 2023
- 15.3 BACWA Key Regulatory Issues Summary January 30, 2023



Items	Presenter
Call to Order	Janet Samala
Welcome, Introductions,	“
Review/Approval of Agenda	“

A. PRIORITY ISSUES/ACTION ITEMS

#	TOPIC	LEAD	TIME	LINK
1.	PFAS - Water Board’s statewide investigation - Region 2 study - National PFAS Biosolids Research - EPA’s proposed Designation of PFOA and PFOS under CERCLA - ECOS Assessment of PFAS in biosolids - Danish EPA regulation development - EPA releases new PFAS analytical tools (1/5) - Biosolids Biennial Report No. 9 (EPA): identified 13 new chemicals in biosolids	J. Samala G. Kester	25 mins	National PFAS Study Scope of Work CERCLA Proposed Designation of PFOA and PFOS AS Hazardous Substances EPA’s FAS Analytical Tools Biosolids Biennial Report No. 9
2.	Short Lived Climate Pollutants (SB 1383) - CalRecycle action on counties not in compliance with prohibition of restrictive ordinances - AB 1985 listing of products available for procurement – legislation update - Methods to appeal for additional technology and management options - USEPA Recycling Grants - Biosolids composting monitoring questions with CalRecycle	J. Samala G. Kester S. Deslauriers	10 mins	California’s Short-Lived Climate Pollutant Reduction Strategy AB 1985
3.	COVID-19 - CDPH has funding until summer 2023 - CDC funded WBE through 2025 - Wastewater Surveillance Office Hours on 12/21/22. 11-12PST - National webinar with CDC, WEF, Stanford and LA County San on 1/11/23, 9-11PST	R. Batjiaka G. Kester	5 mins	CDC National Wastewater Surveillance System CDC Guidance

B. DISCUSSION ITEMS

#	TOPIC	LEAD	TIME	LINK
<i>State Regulatory/Legislation/Initiatives</i>				
1.	Biosolids in Baylands - Region 2	G. Kester	5 mins	
2.	Soil Carbon Sequestration Natural & Working Lands Climate Change Implementation Plan/Healthy Soils Program/AB 284/ SB 27	G. Kester	5 mins	
3.	Central Valley Salts and Irrigated Lands Program - Comments received on the Final Management Zone Proposals	D. Webster	5 mins	CV SALTS
<i>Federal Regulatory/Legislation/Initiatives/International</i>				LINK
1.	EPA Region 9 letters to POTWs on nutrient management and contractor oversight -Paper submitted for WEF RBC in May	G. Kester	5 min	
2.	EPA RFA -Grant recipients submitting annual reports to EPA	G. Kester	5 min	
3.	EPA Science Advisory Committee	G. Kester	5 min	
4.	RINS credits -Public hearing on proposed changes 1/10/2023 6AM PST. Need to register by 1/3/2023.	G. Kester	5 min	
5.	W4170 NRCS funding/ NRCS' Code 336 for soil carbon sequestration	G. Kester	5 min	

C. INFORMATIONAL ITEMS

#	TOPIC	LEAD	TIME	LINK
<i>Biosolids Research/Innovative Technologies/Biosolids Management</i>				
1.	Carbon Sequestration meta-analysis	S. Deslauriers, R. Overacre	5 mins	
2.	Mine reclamation with Class A Biosolids	R. Batjiaka	5 mins	
3.	Fire Reclamation	R. Batjiaka	5 mins	
<i>Regional Facilities Updates</i>				
1.	So. Cal & Central	J. Samala	2 mins	
2.	IERCF	M. Bao/M. Hutton	2 mins	
3.	Tulare Lake Composting Facility	M. Bao/M. Hutton	2 mins	
<i>Associations Updates</i>				
1.	WEF	G. Kester	2 mins	WEF
2.	CASA	G. Kester	2 mins	CASA
3.	CWEA	K. Gies	2 mins	CWEA
4.	Clean Water SoCal (Formerly SCAP)	S. Jepsen	2 mins	SCAP
5.	BACWA	L. Fono	2 mins	BACWA
6.	BABC	S. Deslauriers	2 mins	BABC
7.	CVCWA	D. Webster	2 mins	CVCWA

CONFERENCES, WEBINARS, AND REPORTING

#	TOPIC
1.	CASA Winter Conference. 1/25/2023-1/27/2023. Palm Springs, CA. Register Here DC conference – panel with EPA folks talking about PFAS and biosolids in general. RINS folks will be there. Inflation reduction act reduction and buy American discussion.
2	PFAS in Biosolids Emerging Research from Land Application-University of AZ (Dr. Pepper). Click here to sign up for the webinar. January 26, 2022 (12:00 pm- 12:45 pm)
3.	CASA DC Policy Forum. 2/27/2023- 3/1/2023. Washington, DC.
4.	WEF Residuals and Biosolids Conference, 5/16/2023, Charlotte, NC, More Information Here
5.	W1470 Annual Meeting, 6/23/2023, Chicago, IL
6.	NW Biosolids Biofest, 9/25/2023, Lake Chelan, WA

Next Meeting	February 16 via Zoom 8:30am – 10:30am
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Regulatory Workgroup – Water Committee

January 19, 2023

11:00 a.m. – 1:00 p.m.

[Zoom Link](#)

Meeting ID: 838 1481 3155

Passcode: 783394

Ph: (669) 900-9128

AGENDA

Call to order	Josh Westfall
Welcome / Introductions	"
First Time Attendees	"
Review Agenda / Additional Items	"

BOLD indicates cross-media item with the Biosolids Committee

A. 2023 PRIORITY & DISCUSSION ITEMS

	TOPIC	LEADS	TIME	NOTES / RELEVANT MATERIAL
1.	Recycled Water	Jared Voskuhl WaterReuse Open Floor	15	<ul style="list-style-type: none"> ▪ SWRCB 2023 Strategic Priorities (Jan. 2023) – 3.2.1 & 3.2.5 ▪ Governor's Water Supply Strategy (p. 6) (August 2022) ▪ Report out from 12/21 check-in with SWRCB Strike Team ▪ SWRCB water use objective and prospective variances ▪ WRCA Leg-Reg meeting on 1/20; Agenda
2.	Nutrients (OAH, B&C&B, HABs)	Jared Voskuhl Lorien Fono Open Floor	25	<ul style="list-style-type: none"> ▪ SWRCB 2023 Strategic Priorities – 2.1.5, 2.1.7, and 2.1.8 ▪ Report out from 1/18 OAH Subgroup Meeting (Agenda) ▪ Draft OAH Independent Expert Review Panel Workplan ▪ MBI/SOCWA proposed additional work on ROMS-BEC Code ▪ SOCWA Technical Review of ROMS-BEC Memo ▪ OPC Annual State of the Coast and Ocean Report ▪ Uncertainty Analysis Draft Workplan ▪ SWB B&C&B Program Page
3.	PFAS	Jared Voskuhl	10	<ul style="list-style-type: none"> ▪ SWRCB 2023 Strategic Priorities – 1.1.3 & 1.2.3 ▪ USEPA December 2022 Memo & April 2022 Memo ▪ USEPA PFAS Analytic Tool (January 2023)
4.	Exfiltration	Steve Jepsen	5	<ul style="list-style-type: none"> ▪ SCCWRP Progress Report on the R9 SD IO – (Fall 2022) ▪ Exfiltration Bibliography (12/2022)

B. DISCUSSION ITEMS

	TOPIC	LEADS	TIME	NOTES / RELEVANT MATERIAL
1.	Toxicity Provisions	Mitch Mysliwiec Josh Westfall Jared Voskuhl	10	<ul style="list-style-type: none"> ▪ Report out from 1/17/23 Stakeholder Advisory meeting ▪ Prospective steps and additional funding in 2023 ▪ Cerio Study meeting materials: Archive
2.	Ocean Protection Council	Jared Voskuhl	10	<ul style="list-style-type: none"> ▪ OPC Meeting 1/24 Meeting Agenda ▪ Annual State of the Coast and Ocean Report ▪ Microplastics Funding RFP ▪ Microplastics collection method standardization and statewide monitoring plan
3.	SSS WDR Reissuance	Jared Voskuhl Summit Partners	10	<ul style="list-style-type: none"> ▪ Reissued SSS WDR Order; Effective Date – 6/5/23 ▪ Report out from 1/11 Summit Partners Workshop; Archive ▪ Data Review Group 1/3 Meeting Report Out

4.	Waters of the United States	Jared Voskuhl Open Floor	5	<ul style="list-style-type: none"> ▪ USEPA Updated Webpage – effective 3/20/23 ▪ Federal Register Rule
5.	SWRCB CEC's in Aquatic Ecosystems Program	Jared Voskuhl Open Floor	10	<ul style="list-style-type: none"> ▪ SWRCB 2023 Strategic Priorities – 3.2.7 ▪ Monitoring Strategies Memo (November 2022) ▪ SWB Presentation on CECs at WaterReuse Annual Conf.
6.	Water Conservation and Wastewater Management	Jared Voskuhl	5	<ul style="list-style-type: none"> ▪ SWRCB 2023 Strategic Priorities – 3.2.3 ▪ DWR Water Use Efficiency Recommendations and Reports ▪ SB 1157 (Hertzberg) – Studies due in 2028
7.	CASA Annual Conference	Jared Voskuhl	5	<ul style="list-style-type: none"> ▪ Palm Springs, January 25-27, 2022 ▪ Register
8.	Regional Report Outs	Regional Leads	10	<ul style="list-style-type: none"> ▪ BACWA, CVCWA, CWEA, SCAP/Clean Water SoCal

D. INFORMATIONAL ITEMS (NO DISCUSSION UNLESS REQUESTED)

	TOPIC	LEADS	NOTES / RELEVANT MATERIAL
1.	Links to SWB Executive Director's Report & Board Meeting Agendas	-	<ul style="list-style-type: none"> ▪ January e.d. report ▪ December 6, January 4, January 18
2.	CASA 2023 RWG Calendar	-	<ul style="list-style-type: none"> ▪ Draft 2023 schedule here
3.	LAO Budget Analysis	-	<ul style="list-style-type: none"> ▪ \$24b deficit
4.	Regional Climate Change Policies	-	<ul style="list-style-type: none"> ▪ Refresh underway for updating 03/2021 Table


E. CLOSING & CALENDAR

NEXT MEETING	February 16	Via Zoom from 11:00am – 1:00pm
CALENDAR	Jan. 24 OPC Meeting Jan. 25-27 CASA Winter Conference (Palm Springs) Jan. 30 – Feb. 1 CWEA P3S (Monterey) Feb. 2 SCCWRP CTAG Meeting (OAH) Feb. 7 SWRCB Meeting Feb. 13-16 NACWA Winter Conference (Sonoma) Feb. 16 CASA Regulatory Workgroup Meeting Feb. 22 SWRCB Meeting Feb. 23 CASE Air Quality, Climate Change and Energy Workgroup Meeting Feb. 23 SWRCB California Water Quality Monitoring Council Meeting Feb. 27 -Mar. 1 CASA DC Policy Forum March 7 SWRCB Meeting March 15 CASA Collection Systems Workgroup Meeting March 16 CASA Regulatory Workgroup Meeting	

chuckweir@sbcglobal.net

From: CASA <cmackelvie@casaweb.org>
Sent: Thursday, February 9, 2023 10:15 AM
To: chuckweir@sbcglobal.net
Subject: Your Water and Wastewater Updates for February 9

Jan. 5, 2023



Your source for
wastewater legislative,
regulatory and
industry news



CASA News

Winter Conference Recap

What a great start to 2023! Our Winter Conference at the Hilton Palm Springs was a resounding success. Together with some of the clean water sector's best and brightest, we focused on complex challenges facing the wastewater community, looking toward the future and preparing the next generation. For those who were unable to attend, check out our website to view the informative presentations and handouts shared by our speakers and panelists. Thank you everyone who attended or served as a speaker, and we look forward to seeing you at next year's conference!

Read More



1

73 of 110

Eugene Scott to Keynote at CASA's Washington D.C. Policy Forum

Join us at the Willard InterContinental in Washington, D.C., for the [CASA DC Policy Forum](#) February 27 - 28, 2023 for a chance to hear from keynote speaker Eugene Scott. Eugene is a senior political reporter covering Congressional leadership for Axios and the co-author of the forthcoming newsletter Hill Leaders. He previously covered national politics for the Washington Post and hosted the Next Four Years, an Amazon Music podcast about the 2020 election and what it meant for the future of American politics. Prior to that, Scott was a Washington Correspondent for CNN Politics Digital. He has been an award-winning multi-media journalist for two decades with his work appearing in CBS, USA Today, TIME Magazine, NPR, MSNBC and more. Check out some of his stories [here](#).



This year, we have set aside time for agencies to make their own appointments for Congressional visits, with the assistance of our federal advocates, so if you plan to attend the Forum and want to meet with your Representatives, please be sure to reach out to [Sarah Sapirstein](#) by **Wednesday, February 15!** If you are interested in attending the USEPA meetings instead, please contact [Greg Kester](#) so he can include you in the meeting preparations.

We hope to see you there!

We Want to Celebrate YOU

Your organization works hard to do what's right for California. Recognition from the leading clean water association honors your hard work and accomplishments. It's a symbol of respect, credibility, and innovation. CASA seeks to recognize members who provide essential public services and go above and beyond to protect public health and the environment. All member agencies and associates are invited to submit an Award of Excellence application by Friday, April 28, 2023. Award recipients will be announced (and celebrated!) during CASA's Annual Conference in August. For more information about the award criteria and categories, please visit the [Awards Program Webpage](#).



Committee Seeks Suggestions for Potential CASA Board Members

The CASA Nominating Committee, chaired by past president Jasmin Hall, will convene in early spring to consider CASA Board of Directors candidates for the August 2023 ballot. The committee will be recommending candidates for four of the twelve elected seats. The Board of Directors is the governing body responsible for CASA's high-level policy decisions and oversight of the executive director. If you know someone who would be a valuable board member, please send a brief email to Nominations@casaweb.org with their name, agency and a few sentences about his or her qualifications. Recommendations must be submitted by March 15, 2023.



[Read More](#)

Member News

Oro Loma Sanitary District Selects New General Manager

In January, the Oro Loma Sanitary District Board officially selected Jimmy T. Dang, P.E., MPA, CHST, as the new General Manager for the District. His selection was the culmination of a national search to fill the position. According to the Board's Selection Committee, there were many qualified candidates but Mr. Dang's unique combination of industry experience, relevant education, and focus on customer and employee satisfaction made him the best choice for Oro Loma. They added that he has proven himself to be a valuable visionary and leader at Oro Loma since his arrival in 2011. "I am excited to have this opportunity to lead Oro Loma. We are known as innovators and forward-thinkers and my goal is to continue in that vein, building on what's in place and planning for future initiatives," said Mr. Dang. Read the full [press release here](#). Congratulations from the CASA team, Jimmy!



Monterey One Water to Receive EPA Grant to Combat Food Waste, Climate Change

The U.S. Environmental Protection Agency (EPA) announced two grants to organizations in California – Monterey One Water and the Yurok Tribe – to divert food waste from landfills by expanding anaerobic digester capacity. Monterey One Water plans a study to evaluate the conversion of anaerobic digesters at its wastewater treatment facility to equip them to co-digest sewage sludge with food and other organic wastes. "Completion of this study and implementation of co-digestion will be key in helping Monterey One Water and our project partner, ReGen Monterey, adapt to the changing climate and enhance the services we provide the community," said Paul A. Sciuto, Monterey One Water General Manager. "Thanks to this funding from EPA, we hope to be a model for cross-sector collaboration as we work together to meet State requirements to divert organics from landfills and increase our renewable energy production to help secure the power needs our essential, 24/7 operations require." Read more in the full [press release here](#).



OC San Wastewater 101

The Orange County Sanitation District's Free Virtual Wastewater 101 Citizens Academy is slated to start on March 9. The Academy consists of four virtual workshops and will be available for individuals who are 18 years or older. To sign-up or for more information, please visit the Virtual [Wastewater 101 Citizens Academy](#) page.



Central San Externship Program

This spring, Central San is bringing back their Externship Program and holding it for the first time in person, after doing virtual sessions in 2021 and 2022. The Externship Program welcomes college students and recent grads to Central San's facilities in Martinez over the course of one week. Central San is holding the week-long program between March 27 and 31 with daily sessions from 10-3 with a one-hour lunch break. The goal is for staff from across Central San to share different careers in wastewater with the participants, and hopefully inspire them to find a pathway in our industry. Applications are accepted now until March 24. The program is open to current college students (including technical and vocational schools) or graduates who matriculated ≤1 year ago. Please share this [flyer](#) with anyone who may be interested!



In Memoriam

We are deeply saddened to inform the CASA membership of the passing of Mt. View Sanitary District (MVSD) Board Member, Stan Caldwell. Stan was elected to the Mt. View Sanitary District Board of Directors in 1993 and continued to serve in this capacity until his passing. At the district, Stan has held the seats of Vice-President and President of the Board, has served on the District's Finance and Public Information/Public Outreach Committees. He was also very active in the California Special Districts Association (CSDA), serving as a board member and past president. "Stan played a significant role in CSDA's growth over many years and it was an honor to work with him. His passion for districts and public service will carry-on in the work we do on behalf of our members." said CSDA CEO Neil McCormick. CASA extends their deepest condolences and sympathy to Stan's family, friends, and all those whose lives he touched, especially within the CASA, CSDA, and the Contra Costa County communities. See more in the CSDA news release [here](#).



Regulatory Update

Sign up for CASA's Regulatory Updates

CASA's Regulatory Workgroup regularly puts together a comprehensive e-newsletter to share all regulatory updates on key issues and workgroup initiatives with the CASA membership. If you are interested in receiving these regulatory updates, please contact [Jared Voskuhl](#). The latest edition is available [here](#).



In Case You Missed It

\$80 million in Bipartisan Infrastructure Law Funds Available

The Bureau of Reclamation is making approximately \$80 million from President Biden's Bipartisan Infrastructure Law available for water conservation, water management and restoration projects that will result in significant benefits to ecosystem or watershed health. The Environmental Water Resource Projects selected in response to this funding opportunity are part of the WaterSMART Program, which received a \$1 billion boost from the Infrastructure Law. The Bipartisan Infrastructure Law provided \$8.3 billion for Reclamation water infrastructure projects over five years to advance drought resilience and expand access to clean water for families, farmers and wildlife. The investment will repair aging water delivery systems, secure dams, complete rural water projects, and protect aquatic ecosystems. The funding opportunity is available at [grants.gov](#) under opportunity number R23AS00089. Applications are due by March 28, 2023, at 4 p.m. MDT. Learn more [here](#).



Upcoming Events

RFA Annual Meeting

Please join us on March 7, 2023 from 11am – 12pm for the Responsible Flushing Alliance's second Annual Meeting for a chance to hear updates on progress made in 2022 and plans for 2023. CASA's Jessica Gauger and Heidi Sanborn with the National Stewardship Action Council will share updates from the wastewater and environmental perspective. Register for the event [here](#).



Save the Date - PFI Event

Save the date for the [CWEA and CASA Partnering for Impact](#) (PFI) event happening on June 6, 2023 from 9:00am to 4:15pm in Berkeley, CA. The goal of Partnering for Impact is to build stronger utility, university, and industry collaborations for innovation and find areas where we can create a positive impact together. At this year's event, we'll discuss ways we can implement innovative solutions even faster. This year's featured topics include the risks and rewards associated with various technologies, and what we're learning about innovations in biosolids resource recovery.



Careers and Opportunities

Visit CASA's [Job Board](#).



CASA represents more than 125 local public agencies engaged in the collection, treatment and recycling of Wastewater and biosolids to protect public health and the environment. Our mission is to provide trusted information and advocacy on behalf of California clean water agencies, and to be a leader in sustainability and utilization of renewable resources.

[Visit Our Website](#)

CASA | 925 L Street, Suite 200, Sacramento, CA 95814

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Sent by cmackelvie@casaweb.org



KEY REGULATORY ISSUE SUMMARY

Updated January 30, 2023

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

Contents	Page		
Nutrients in San Francisco Bay	1	SSS WDR Reissuance	10
SF Bay Nutrient Watershed Permit	2	ELAP Update	11
Chlorine Residual Compliance	3	Phase-Out of Biosolids as Alternative Daily Cover	12
Pesticides	4	Climate Change Mitigation	13
Mercury and PCBs	5	Climate Change Adaptation	14
State Water Board Toxicity Provisions	6	Toxic Air Contaminants	15
Compounds of Emerging Concern (CECs)	7	Recycled Water	16
Microplastics	8	Acronyms	17
Per- and Polyfluoroalkyl Substances (PFAS)	9		

New updates in this version are shown in Purple highlighting

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 SF Bay, stakeholders in the region are participating in the Nutrient Management Strategy (NMS) 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 FY23, BACWA is contributing \$1.8M to fund scientific research needed to make management decisions for the 3rd Watershed Permit. This funding is required by the 2nd 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 Open Bay habitats and Lower South Bay sloughs. In summer 2022, a harmful algae bloom in San Francisco Bay has brought increased public attention to this topic. The NMS science team is assisting with monitoring and data interpretation, and is revising the science plan accordingly. 	<ul style="list-style-type: none"> Continue to participate in NMS steering committee, Nutrient Technical Workgroup, and planning subcommittee meetings, and provide funding for scientific studies. Continue to assist with preparation of a brief "State of the Science" document summarizing the scientific accomplishments of the NMS team for public use. Continue to engage with Nutrient Technical Team and BACWA's Nutrient Management Strategy technical consultant, Mike Connor, to provide review of recent work products and charge questions for the science team. 	<p>BACWA Nutrients Page: https://bacwa.org/nutrients/</p> <p>NMS FY23 Program Plan (Revised Dec. 2022) https://docs.google.com/document/d/11IWlrDMpUw_OBQ6Lj-qj67sOLwl490lkRWW431e9nuU</p> <p>NMS Work Products https://sfbaynutrients.sfei.org/books/reports-and-work-products</p> <p>SFEI Presentation on Science of 2022 Bloom https://docs.google.com/presentation/d/1R468fFPMfq1d1xY6cHFU-uta9aMCynx5/</p> <p>BACWA Nutrient FAQ https://bacwa.org/wp-content/uploads/2023/01/BACWA-Nutrient-Fact-Sheet.pdf</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 1st Nutrient Watershed Permit was adopted in 2014, and required a regional study on Nutrient Treatment by Optimization and Upgrades, completed in 2018. • The 2nd Nutrient Watershed Permit was adopted in 2019. It includes: <ul style="list-style-type: none"> ◦ Continued individual POTW 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 2014 to 2017 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 Regional Monitoring Program (RMP) with \$11M over the five-year permit term. 	<ul style="list-style-type: none"> • Studies related to Recycled Water and Nature-Based Systems are underway, and will be completed by the due date of July 1, 2023. • Each year by February 1, 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 2021 report showed a decline in TIN concentrations compared to the previous year. • Agencies with plans to substantially reduce nutrients are recognized in the Fact Sheet of the 2nd watershed permit, and BACWA is continuing to track “early actor” nutrient reduction projects. BACWA has synthesized this information into a projection of Baywide nutrient loading. • BACWA has been working with a consultant team to complete a statistical analysis of historical TIN loading. In July 2022, BACWA met with Regional Water Board staff to propose use of these statistically-based load estimates within the 3rd Watershed Permit. Regional Water Board staff have signaled that the 3rd Watershed Permit is likely to include nutrient load reduction requirements (see presentation at right). The magnitude, timing, and format of these reductions have yet to be determined. 	<ul style="list-style-type: none"> • BACWA continues to convene a Nutrient Strategy Team (NST) to develop BACWA’s key tenets for the 3rd Watershed Permit. The NST is actively engaging with the Regional Water Board to develop details related to load cap implementation in the 3rd Watershed Permit. • BACWA staff are meeting with the 18 largest wastewater treatment plants (representing 95% of the regional TIN load from POTWs) to identify projects that could reduce nutrient loads during the term of the 3rd Watershed Permit and beyond. BACWA will also host a roundtable discussion for agencies to share with one another. • Review draft reports by HDR and SFEI for the Nutrient Removal by Recycled Water Evaluation and the Nature-Based Systems study. Individual agency reports have been drafted, and draft summary reports will be available later in the spring. Agency sign-off on the final reports will be required. • Agencies will continue to report nutrient monitoring data both through CIWQS and directly to BACWA. The Group Annual Report for 2021-22 will be released on February 1st. 	<p>2nd Nutrient Watershed Permit: https://www.waterboards.ca.gov/sanfranciscobay/board_decisions/adopted_orders/2019/R2-2019-0017.pdf</p> <p>Special Studies of Recycled Water and Nature-Based Systems: https://bacwa.org/document-category/2nd-watershed-permit-studies/</p> <p>Optimization/Upgrade Study Information: https://bacwa.org/document-category/optimization-and-upgrade-studies/</p> <p>BACWA Group Nutrient Annual Reports: http://bacwa.org/document-category/nutrient-annual-reports/</p> <p>Presentations to SF Board of Supervisors Land Use and Transportation Committee (October 2022) https://sfgov.legistar.com/View.ashx?M=F&ID=11339273&GUID=863B565D-6662-419D-B519-87D5FBB4BAE3</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. The Regional Water Board worked with BACWA to develop a Basin Plan Amendment modifying the effluent limit for chlorine residual. 	<ul style="list-style-type: none"> The Basin Plan Amendment 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 1-hour average. A Minimum Level (ML), or Reporting Limit of 0.05 mg/L for online continuous monitoring system. The Basin Plan Amendment was adopted by the Regional Water Board in 2020, approved by the State Water Board and Office of Administrative Law in 2021, and is now awaiting final review by EPA. Sections of the Basin Plan Amendment related to removal of Oil & Grease effluent limits are in effect. This change is being implemented in reissued NPDES permits. In 2021, the Regional Water Board adopted a blanket permit amendment implementing the Basin Plan Amendment within each individual NPDES permit. The order will only become effective once the Basin Plan Amendment is approved by the EPA. In late 2022 and early 2023, EPA consulted with federal natural resource agencies to update the biological evaluation of potential chlorine toxicity to fish. Due to significant concerns about fish toxicity expressed by the resource agencies, the future of both EPA’s chlorine water quality objective and the Basin Plan Amendment are unclear at this time. 	<ul style="list-style-type: none"> Engage with Regional Water Board staff to support eventual approval of the Basin Plan Amendment, and provide updates to BACWA members on new developments. If the Basin Plan Amendment is approved, prepare for a short turnaround time for implementation of the new chlorine residual limits, as follows: <ul style="list-style-type: none"> Ensure compliance with the new minimum required frequency of once every 5 65minutes. Ensure the monitoring system complies with the new minimum level of 0.05 mg/L. Members that plan to discharge detectable residual chlorine may need to adapt sampling and analysis procedures for other constituents for which residual chlorine could interfere, such as whole effluent toxicity and ammonia. Use the highest one-hour arithmetic mean as the daily value reported into CIWQS. 	<p>Background and Status information about Basin Plan Amendment: https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/planningtmdls/amendments/chlorinebpa.html</p> <p>Final Basin Plan Amendment 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>Blanket Permit Amendment for Chlorine and Oil & Grease: https://www.waterboards.ca.gov/sanfranciscobay/board_decisions/adopted_orders/2021/R2-2021-0019.pdf</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 scientific and regulatory advocacy program so that pesticides will not impact POTWs' primary functions of collecting and treating wastewater, recycling water, and managing biosolids, or impact receiving waters via the "down the drain" route. 	<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 continues to fund consultant support to write comment letters advocating for the consideration of POTW and surface water issues by EPA and the California Department of Pesticide Registration (CalDPR). Funding for pesticide regulatory outreach in FY23 is \$60K. The pesticides regulatory team also supports the California Stormwater Quality Association (CASQA) on outreach work related to urban pesticide use. The Regional Water Board leverages BACWA's efforts to provide their own comment letters. 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. Pet pesticides were the focus of BAPPG's public outreach campaign in Spring 2022. In January 2023, CalDPR released a Sustainable Pest Management Roadmap. The Roadmap identifies actions that would enhance understanding of pesticide use in urban areas and enhance outreach to urban pesticide users. 	<ul style="list-style-type: none"> Advocate for implementation of actions from the Sustainable Pesticide Management Roadmap, which will require additional resources to be directed to CalDPR. Continue to comment on EPA pesticide re-registrations and CalDPR actions. Work with veterinary associations on messaging with respect to flea and tick control alternatives. Continue to develop summaries of EPA actions on pesticides. Look for opportunities to work with CalDPR on pesticides research. Work with other regional associations, such as the CASQA to collaborate on funding pesticide regulatory outreach. 	<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/bappg-pesticides/</p> <p>Baywise flea and tick pages: https://baywise.org/residential/pets/keep-pets-free-of-fleas-and-ticks/ https://baywise.org/residential/pets/</p> <p>BACWA-CASQA Urban Pesticides Collaboration Fact Sheet: https://bacwa.org/wp-content/uploads/2022/08/CASQA-BACWA-Factsheet-July2022.pdf</p> <p>CalDPR Sustainable Pest Management Roadmap https://www.cdpr.ca.gov/docs/pressrls/2023/012623.htm</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
MERCURY AND PCBS			
<ul style="list-style-type: none"> • The Mercury & PCBs Watershed Permit was reissued by the Regional Water Board in December 2022. The Watershed Permit is based on the TMDLs for each of these pollutants. • Aggregate mercury and PCBs loads have been well below waste load allocations through 2021, 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. • 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"> • The Mercury & PCBs Watershed Permit (both the 2017 and 2022 versions) require risk reduction program funding. For FY23, BACWA granted an extension to an ongoing contract worth \$12,500 to the California Indian Environmental Alliance to conduct risk reduction activities related to fish consumption. • In January 2022, monitoring requirements for mercury were reduced for most dischargers by a blanket NPDES Permit amendment (Order R2-2021-0028) (see link at right). Revised monitoring frequencies are also reflected in the reissued permit. • As part of the 2021 Triennial Review of the Basin Plan, the Regional Water Board has prioritized designation of three new beneficial uses: Tribal Tradition and Culture (CUL), Tribal Subsistence Fishing (T-SUB) and Subsistence Fishing (SUB). Water bodies designated these beneficial uses could also be assigned lower mercury objectives. • The Mercury & PCBs Watershed Permit reissued in December 2022 is very similar to the 2017 Permit. Effluent limitations are unchanged. The only significant difference is a reduction in the monitoring frequency for PCB Congeners for some agencies. 	<ul style="list-style-type: none"> • Some member agencies can modify effluent monitoring frequencies for PCB congeners after the reissued Permit's effective date of February 1, 2023. • In 2023, BACWA will solicit proposals to support risk reduction activities during the term of the reissued permit. • Continue outreach to dentists BAPPG and BACWA's pretreatment committee. Per federal rules, all dental facilities were required to submit one-time compliance reports by October 2020. • Schedule risk reduction presentations by the grantees to the Regional Water Board in 2023. • Track potential Basin Plan Amendments resulting from the Triennial Review project related to new beneficial use designations. The new designations are not expected to impact the bay-wide mercury TMDL in the near term, but there could be localized or longer-term impacts. 	<p>2022 Mercury & PCBs Watershed Permit (Effective Feb. 1, 2023) https://www.waterboards.ca.gov/sanfranciscobay/board_decisions/adopted_orders/2022/R2-2022-0038.pdf</p> <p>Risk Reduction Materials: https://bacwa.org/mercurypcb-risk-reduction-materials/</p> <p>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/drinkingwater/one-time_compliance_report_for_dental_offices.pdf</p> <p>NPDES Permit Amendment for Monitoring and Reporting https://www.waterboards.ca.gov/sanfranciscobay/board_decisions/adopted_orders/2021/R2-2021-0028.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 first adopted the Statewide Toxicity Provisions in December 2020. In October 2021, the State Water Board affirmed that the Statewide Toxicity Provisions were adopted as state policy for water quality control for all inland surface waters and estuaries. The Toxicity Provisions will go into effect following EPA approval, which is expected to occur in February 2023. 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. Under the Toxicity Provisions, agencies will be required by the provisions to do sensitive species screening once every 15 years. BACWA 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. POTWs' only recourse is to challenge individual permits that include the procedure. The State Water Board is collaborating with stakeholders on a special study to improve the quality of <i>Ceriodaphnia dubia</i> testing. The first phase of this multi-laboratory study of toxicity testing has been completed, and a second intercalibration round of testing will be conducted in March 2023. 	<ul style="list-style-type: none"> Prepare for imminent approval of the Toxicity Provisions, which could be as soon as February 2023. Member agencies that have had permits reissued after August 2022 will automatically transition to new toxicity testing requirements in the month following EPA approval. Plan to conduct a species sensitivity screening to comply with the Toxicity Provisions, which require a study no more than 10 years old be used to determine a "Tier I" species for use in compliance monitoring. Review draft NPDES permits implementing the Toxicity Provisions. As of August 2022, NPDES permit language implementing the Toxicity Provisions is being added to draft individual NPDES permits. Regional Water Board staff developed this language with BACWA member input. The permit language only becomes effective after EPA approves the Toxicity Provisions. Share information on the special study on the <i>Ceriodaphnia dubia</i> test method with agencies who have that species in their permits. 	<p>SWRCB Toxicity Page: http://www.swrcb.ca.gov/water_issues/programs/state_implementation_policy/tx_ass_cntrl.shtml</p> <p>Toxicity Provisions adopted December 2020: https://www.waterboards.ca.gov/water_issues/programs/state_implementation_policy/docs/provisions_final.pdf</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> <p><i>Ceriodaphnia</i> Quality Assurance Study https://www.sccwrp.org/about/research-areas/additional-research-areas/ceriodaphnia-toxicity-testing-quality-assurance/</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 has formed a Pretreatment and CECs Unit. 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 monitoring program 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 support facility selection for these studies. Bay dischargers are continuing to provide supplemental funding for RMP CECs studies through the NPDES Permit Amendment adopted in December 2021 by the Regional Water Board. The State Water Board has recently increased its focus on CECs. In November 2022, a State Water Board Science Advisory Panel released a report identifying risk-based and occurrence-based monitoring strategies in aquatic ecosystems. Similar approaches are already in use in the Bay Area by the RMP. 	<ul style="list-style-type: none"> Continue to participate in the RMP Emerging Contaminants Workgroup. Participate in RMP studies by collecting wastewater samples at member facilities. Studies in FY23 include ethoxylated surfactants in wastewater, in addition to the Regional PFAS Study and OPC-funded microplastic study (see below). Provide ongoing updates to White Paper for use by the RMP or others in selecting representative POTWs for participation in CEC studies. 	<p>RMP Emerging Contaminant Workgroup: http://www.sfei.org/rmp/ecwg#ab-1-4</p> <p>BACWA CECs White Paper: https://bacwa.org/document/bacwa-cec-white-paper-updated-june-2020/</p> <p>NPDES Permit Amendment for Monitoring and Reporting https://www.waterboards.ca.gov/sanfranciscobay/board_decisions/adopted_orders/2021/R2-2021-0028.pdf</p> <p>State Water Board CECs webpage: https://www.waterboards.ca.gov/water_issues/programs/cec/index.html</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
MICROPLASTICS			
<ul style="list-style-type: none"> • Microplastic pollution is a environmental threat with the potential to impact wastewater disposal and reuse, as well as biosolids end uses. • 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. As a result, the RMP is focusing future microplastics sampling efforts on stormwater pathways. 	<ul style="list-style-type: none"> • In February 2022, the Ocean Protection Council (OPC) adopted a Statewide Microplastics Strategy that calls for increased water recycling, additional monitoring of wastewater, source control in wastewater, and additional scientific research. • In 2021, the OPC funded a study investigating microplastic removal through wastewater treatment processes. The study is being carried out by SCCWRP. The study commenced in 2021 with a pilot study involving BACWA member agency participation. Full-scale sampling and analysis of influent, effluent, and biosolids is planned to be completed in 2023. • Ongoing microplastics investigations by the RMP are focused on tire particles in stormwater. 	<ul style="list-style-type: none"> • Continue to participate in the RMP Microplastics Workgroup. • Three BACWA member agencies are participating in the OPC-funded microplastic study. As of January 2023, sampling efforts are ongoing. • Continue tracking State Water Board and Ocean Protection Council actions via the CASA Microplastics Workgroup. CASA is working with SCCWRP to provide additional funding for testing of new sample collection and/or analysis methods. 	<p>BACWA Microplastics Fact Sheet: https://bacwa.org/wp-content/uploads/2019/09/BACWA-Microplastics-flyer.pdf</p> <p>SFEI Microplastics project: https://www.sfei.org/projects/microplastics</p> <p>Ocean Protection Council Microplastics Strategy: https://www.opc.ca.gov/webmaster/ftp/pdf/agenda_items/2022/0223/Item_6_Exhibit_A_Statewide_Microplastics_Strategy.pdf</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)			
<ul style="list-style-type: none"> • Per- and polyfluoroalkyl substances (PFAS) are a group of human-made substances that are very resistant to heat, water, and oil. PFAS have been used 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 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. • 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 biosolids. • In July 2020, the SWRCB issued an investigative order for POTWs. At that time, BACWA obtained SWRCB approval to fund and conduct a Regional PFAS Study in lieu of the investigative order. • In April 2021, the formation of an “EPA Council on PFAS” was announced. 	<ul style="list-style-type: none"> • The EPA and State of California are developing drinking water standards for PFAS compounds. <ul style="list-style-type: none"> ○ DDW has developed drinking water notification levels (NLs) and response levels for PFOA, PFOS, and Perfluorobutane Sulfonic Acid (PFBS), and has finalized a NL for Perfluorohexane Sulfonic Acid (PFHxS) as of October 2022. ○ In 2021, OEHHA proposed draft public health goals for PFOA (0.007 ng/L) and PFOS (1 ng/L) as the next step in establishing drinking water MCLs. ○ In 2022, EPA released interim health advisories for PFOA (0.004 ng/L) and PFOS (0.02 ng/L) that are lower than current detection limits in wastewater. • EPA is conducting pretreatment standards rulemaking for two types of industrial users: Metal Finishing, and Organic Chemicals, Plastics and Synthetic Fibers. • EPA is developing a new analytical method for PFAS in complex matrices like wastewater. Draft Method 1633 is expected to be finalized later in 2023. • In August 2022, EPA proposed a rule designating PFOA and PFOS as hazardous substances under CERCLA (the Superfund law). BACWA submitted a comment letter on the proposal (link at right). • In late 2022, EPA issued permitting guidance for pretreatment programs and NPDES permits. It recommends use of Draft Method 1633. 	<ul style="list-style-type: none"> • BACWA’s Regional PFAS Study is being conducted by SFEI 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. BACWA prepared a Fact Sheet regarding Phase 1 results (see link at right). ○ Sample collection for Phase 2 of the PFAS Regional Study was completed in mid-2022 and included sampling of influent, effluent, and biosolids; residential sewersheds, commercial and industrial users; hauled organic waste used as digester feed; and groundwater. Phase 2 study results will be available in spring 2023. • BACWA’s Phase 2 study results could support new legislative efforts in 2023. Legislation requiring reporting of PFAS in products (AB 2247) did not pass in 2022 due to concerns about fiscal impact. PFAS bans in cosmetics and textiles were passed in 2022. • BACWA will continue tracking developments at the federal, state and regional level, in particular to understand the impact of the CERCLA designation on biosolids reporting. 	<p>BACWA PFAS Documents: https://bacwa.org/pfas-links/</p> <p>SWRCB PFAS Resources: https://www.waterboards.ca.gov/pfas/</p> <p>OEHHA Drinking Water: https://oehha.ca.gov/water</p> <p>EPA PFAS Resources https://www.epa.gov/pfas</p> <p>EPA PFAS Strategic Roadmap https://www.epa.gov/pfas/pfas-strategic-roadmap-epas-commitments-action-2021-2024</p> <p>2022 PFAS Legislation Outcomes for CA: https://www.cwea.org/news/pfas-legislation-we-have-seen-in-2022/</p> <p>BACWA Comment Letter on CERCLA Designation: https://bacwa.org/wp-content/uploads/2022/11/BACWA-PFAS-CERCLA-Ltr-2022-11-07.pdf</p> <p>EPA NPDES Permitting Guidance (Dec. 2022) https://www.epa.gov/system/files/documents/2022-12/NPDES_PFAS_State%20Memo_December_2022.pdf</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
SSS WDR REISSUANCE			
<ul style="list-style-type: none"> • In 2021, the State Water Board began the process of reissuing the statewide Sanitary Sewer System General Order (SSS-WDR) by issuing an informal staff draft. A draft for public comment was released in January 2022, and BACWA submitted formal comments in April 2022. • State Water Board staff participated in multiple rounds of stakeholder engagement with BACWA, CASA, CVCWA, SCAP, and non-governmental organizations. • The State Water Board's goals for the update were: <ul style="list-style-type: none"> ○ Updating the 2006 Order ○ Clarifying compliance expectations and enhancing enforceability ○ Addressing system resiliency, including climate change impacts ○ Identifying valuable data and eliminating non-valuable reporting requirements 	<ul style="list-style-type: none"> • The SSS-WDR was reissued in December 2022. The reissued order replaces the 2006 Order and the 2013 Monitoring and Reporting Program. BACWA and partner organizations were successful in working with the State Water Board to make many favorable modifications to the draft prior to its final adoption. • The reissued order effective date is June 5, 2023. • The reissued SSS-WDR contains numerous new and modified requirements, such as: <ul style="list-style-type: none"> ○ A prohibition on discharges to groundwater; ○ Reduced spill reporting requirements for small spills (spills from laterals or <50 gallons); ○ New spill monitoring requirements such as photo documentation and faster water quality sampling; ○ New requirements for preparation of Sewer System Management Plans (SSMPs), including a focus on system resiliency, prioritizing corrective actions, and coordinating with stormwater agencies; ○ Modified annual reporting requirements; ○ New mapping requirements; and ○ Modified timelines for preparation of audits and SSMPs. The State Water Board has prepared an online tool to assist agencies in determining compliance dates (at right). 	<ul style="list-style-type: none"> • Members that are currently enrolled in the SSS-WDR will need to meet several compliance deadlines by June 5, 2023, such as: <ul style="list-style-type: none"> ○ Re-enrolling between April 4 and June 5, 2023 ○ Uploading existing SSMPs to CIWQS ○ Updating Spill Emergency Response Plans • Work with the Collection System committee and CASA to identify and fulfill member needs for guidance and templates materials, such as guidance for Sewer System Management Plans • Continue to coordinate with CASA and CWEA on training opportunities for members as they transition to enrollment under the new SSS-WDR. 	<p>State Water Board SSS-WDR page: https://www.waterboards.ca.gov/water_issues/programs/ssso/</p> <p>Reissued SSS-WDR (General Order 2022-0103-DWQ), Effective June 5, 2023 https://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2022/wqo-2022-0103-dwg.pdf</p> <p>Clean Water Summit Partners Webinar on Reissued SSS-WDR (January 2023) https://casaweb.org/resources/speaker-presentations/</p> <p>SSMP and Audit Due Dates Lookup Tool from State Water Board https://www.waterboards.ca.gov/water_issues/programs/ssso/lookup/</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
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. • ELAP's "Roadmap to ELAP Accreditation" Program is the outreach and training component of the new regulations. ELAP staff have presented to the Lab Committee in June 2020, February 2021, April 2021, and June 2022. ELAP has contracted with A2LA Workplace Training to provide training sessions. • The BACWA Lab Committee began providing monthly TNI training sessions beginning in July 2021. BACWA has provided funding for the TNI training sessions to continue through FY23. 	<ul style="list-style-type: none"> • Offer monthly training sessions to BACWA members. The free virtual training sessions are open to BACWA members holding a valid copy of the 2016 TNI Standard, and are occurring on the 3rd Tuesday of each month. Training is provided by Diane Lawver of Quality Assurance Solutions, LLC, and other subject matter experts. BACWA's TNI training sessions are recorded, and a link is available upon request. • Communicate with ELAP staff on behalf of BACWA's Laboratory Committee as new guidance and training materials are developed for TNI implementation and methods updates. • 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> <p>Monthly Training Session flyer: https://bacwa.org/wp-content/uploads/2021/07/BACWA-Lab-TNI-Training-Series-Flyer.pdf</p> <p>ELAP Timeline Guidance Tool: https://www.waterboards.ca.gov/drinking_water/certlic/labs/docs/2022/elap-scheduler-1-1.xlsx</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
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) Regulations implementing SB 1383 went into effect on January 1, 2022, so the State can begin enforcement on jurisdictions. Jurisdictions can begin local enforcement January 1, 2024, and compliance is required by January 1, 2025. While the regulations implementing SB 1383 do not 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. The Bay Area Biosolids Coalition (BABC) was formed to find sustainable, cost-effective, all-weather options for biosolids management. BABC is a BACWA Project of Special Benefit. 	<ul style="list-style-type: none"> BACWA's 2021 Biosolids Trends Survey Report compiles member agency activities in 2018-2020, as well as survey responses regarding SB 1383 implementation. Requirements for SB 1383 implementation include: <ul style="list-style-type: none"> Diverted biosolids must be anaerobically digested and/or composted to qualify as landfill reduction. In 2022, CalRecycle began accepting applications to consider whether other specific treatment technologies can qualify as landfill reduction (per Article 2 of SB 1383). Local ordinances restricting land application are disallowed. Jurisdictions that divert organic waste must also procure the end products of diversion, such as biogas, biomethane, and compost (but not biosolids). Per legislation signed in 2022 (AB 1985), procurement rules are being phased in over three years (2023 to 2025) and there are interim rules regarding procurement of biogas from POTWs. Currently, some County ordinances restrict the beneficial use of biosolids. CalRecycle considers bans on land application to be unenforceable, and CalRecycle has agreed to approach several counties with restrictive ordinances to conduct outreach and assess compliance. CalRecycle continues to make new training materials available for jurisdictions regarding 1383 compliance. 	<ul style="list-style-type: none"> The <i>Biosolids in the Baylands</i> white paper was released in 2022 by the San Francisco Bay Joint Venture. The white paper identifies data gaps that need to be filled. Studies funded by BACWA and BABC (e.g., PFAS) and other current studies will be considered to help fill remaining data gaps before identifying new monitoring requirements at land applications sites. Continue to engage with Regional Water Board regarding supplemental monitoring requirements for biosolids land application sites in the Baylands. Actively work through CASA with California Air Resource Board, CalRecycle, State Water Board, and California Department of Food and Agriculture to develop sustainable long-term options for biosolids beneficial use. Meet with BAAQMD regularly in 2023 to discuss alignment of state and local regulations. 	<p>BACWA 2021 Biosolids Trends Survey Report: https://bacwa.org/wp-content/uploads/2021/12/BACWA-2021-Biosolids-Trends-Survey-Report.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> <p>CalRecycle website for California Short-Lived Climate Pollutant Reduction Strategy https://www.calrecycle.ca.gov/organics/slcp</p> <p>CalRecycle Procurement FAQ (Updated per AB 1985) https://calrecycle.ca.gov/organics/slcp/faq/recycledproducts/</p> <p><i>Biosolids in the Baylands</i> White Paper https://bacwa.org/wp-content/uploads/2022/07/Biosolids-in-the-Baylands-White-Paper-March-2022.pdf</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
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. The latest Scoping Plan was updated in 2022 targeting carbon neutrality by 2045, including policies addressing: <ul style="list-style-type: none"> ◦ Short-lived climate pollutants ◦ 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 / regulatory development encouraging production/use of biogas • BAAQMD developed a Clean Air Plan requiring GHG emissions supporting CARB's 2050 target (80% below 1990 levels). • BAAQMD proposed the development of Regulation 13 (climate pollutants) targeting methane and nitrous oxide reductions related to organics diversion and management, but that effort is now on pause and lower priority than air toxics regulations. • CARB states POTWs are part of the solution for reducing fugitive methane, and encourages diversion of organics to POTWs to use available digester capacity and produce biogas. 	<ul style="list-style-type: none"> • CARB is pursuing rapid fleet conversion to zero-emission vehicles (ZEVs), including medium and heavy-duty vehicles, through the Advanced Clean Fleet rule. The proposed regulations will allow organizations to opt into one of two programs: <ul style="list-style-type: none"> ◦ Public Fleets: With exceptions, requiring 50% of vehicles added to be ZEV by 2024, and 100% by 2027. ◦ High Priority Fleet (Group 3): With exceptions, requiring 10% of vehicles added to be ZEV by 2030 and 100% by 2042. • Complete conversion will be difficult for heavy-duty specialty trucks, and will remove a potential market for biogas. CASA is engaging to request continued allowance of biogas as a sustainable transportation fuel. • In addition to pushing for ZEVs, CARB is proposing changes to the Low Carbon Fuel Standard that reflect increasing emphasis on hydrogen as a transportation fuel. Conversion of biogas into hydrogen is currently in research & development stage. • 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. • As of late 2022, EPA is finalizing a proposal for apportionment of renewable fuel credits (RINs) for food waste-based and sludge-based biogas. 	<ul style="list-style-type: none"> • The Advanced Clean Fleet rule is expected to be adopted in April 2023. BACWA is supporting CASA's enhanced advocacy to CARB to preserve existing pathways that allow biogas to be used for fueling vehicles. The outreach is required so that biogas produced at treatment plants continues to have a permissible and economical end use, and so utilities have reliable power for heavy-duty vehicles. CASA and BACWA members are also providing public comments at CARB's public workshops. • Look for ways to inform BAAQMD on opportunities and challenges for climate change mitigation by Bay Area POTWs, including education about anaerobic digesters and POTW operations. • Work with PG&E and BAAQMD to explore options for POTWs to inject biogas into PG&E pipelines. In February 2022, the CPUC approved a mandatory biomethane procurement program for CA's four large gas IOUs (including PG&E) under SB 1440. CASA has been discussing the barriers to pipeline injection with CPUC and CalOSHA staff. 	<p>Climate Change Scoping Plan, including 2022 Update: https://ww2.arb.ca.gov/our-work/programs/ab-32-climate-change-scoping-plan</p> <p>CARB Low Carbon Fuel Standard: https://ww2.arb.ca.gov/our-work/programs/low-carbon-fuel-standard</p> <p>CARB Advanced Clean Fleet Rule: https://ww2.arb.ca.gov/our-work/programs/advanced-clean-fleets</p> <p>SB 1383: https://www.calrecycle.ca.gov/organics/slcip</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>EPA Renewable Fuel Standards https://www.epa.gov/renewable-fuel-standard-program/proposed-renewable-fuel-standards-2023-2024-and-2025</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
CLIMATE CHANGE ADAPTATION			
<ul style="list-style-type: none"> Climate change and water resilience are a strategic priority of both the State Water Board and Regional Water Board. 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. Bay Area coordination occurs through Bay Adapt, the Bay Area Climate Adaptation Network (BayCAN), and other venues. BACWA has signed a letter of support for the Bay Adapt Joint Platform. In April 2022, the State released a Climate Adaptation Strategy, including an updated climate change assessment for the Bay Area region. The California Coastal Commission's November 2021 Sea Level Rise Planning Guidance recommends that agencies "understand and plan" for 2.7 feet of sea level rise by 2050. The Regional Water Board is modifying the Basin Plan to address climate change and wetland policy. The changes will occur through multiple Basin Plan amendments. 	<ul style="list-style-type: none"> Despite previous announcements, as of 2023 the State Water Board no longer has plans to conduct a survey of permitted facilities regarding climate change vulnerability assessments adaptation measures, and is looking to Regional Water Boards to be responsible for this effort. In 2023, the Bay Conservation and Development Commission (BCDC) plans to develop "Regional Shoreline Adaptation Guidance" and standards for the Bay Area. In 2022, the Regional Water Board adopted a Climate Change Basin Plan amendment addressing dredge and fill procedures near the region's shorelines, especially for climate adaptation projects. Separately from the Basin Plan amendment, the NPDES division has released information regarding NPDES permitting of nature-based solutions. Shallow groundwater response to Sea Level Rise is a concern in low-lying Bay Area communities. Information about current and future depth-to-groundwater maps is summarized in a January 2023 report now available from Pathways Climate Institute and SFEI. 	<ul style="list-style-type: none"> Follow up with members regarding sea level rise planning, as discussed at a member agency roundtable in August 2022. Prepare for engagement with the Regional Water Board and on expectations for sea level rise planning Work with members to identify a suitable way to track sea level rise adaptation plans, per the request of Regional Water Board staff. Engage with BCDC during the agency's development of Regional Shoreline Adaptation Plan guidance, which will likely impact most BACWA member agencies. BACWA is participating in an advisory group for the Regional Shoreline Adaptation Plan. Continue to work with Regional Water Board and other resource agencies to look for regulatory solutions to encourage wetlands projects for shoreline resiliency. 	<p>California Coastal Commission's <i>Critical Infrastructure at Risk</i> https://documents.coastal.ca.gov/assets/slr/SLR%20Guidance_Critical%20Infrastructure_12.6.2021.pdf</p> <p>OPC Sea Level Rise Action Plan – August 2022 https://www.opc.ca.gov/webmaster/media_library/2022/08/SLR-Action-Plan-2022-508.pdf</p> <p>Climate Change Basin Plan Amendment https://www.waterboards.ca.gov/sanfranciscobay/board_info/agendas/2022/July/7_ssr.pdf</p> <p>California Climate Adaptation Strategy https://climateresilience.ca.gov/</p> <p>Bay Adapt Joint Platform https://www.bayadapt.org/</p> <p>NPDES Permitting for Nature-Based Solutions https://bacwa.org/wp-content/uploads/2022/08/NPDES-Permitting-for-Nature-Based-Solutions-5.pdf</p> <p>2023 Report on Shallow Groundwater Response https://www.sfei.org/projects/shallow-groundwater-response-sea-level-rise</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
TOXIC AIR CONTAMINANTS <ul style="list-style-type: none"> Regulation 11, Rule 18 (Rule 11-18), adopted in 2017, is BAAQMD's effort to protect public health from toxic air pollution from existing facilities, including POTWs. Per the Rule, BAAQMD will conduct site-specific Health Risk Screening Analyses (HRSAs) and 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 develop and 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. AB 2588 (Air Toxics “Hot Spots” Program) - Establishes a statewide program for the inventory of air toxics emissions from individual facilities, as well as requirements for risk assessment and public notification of potential health risks. 2020 updates expanded compound list from >500 to >1,000. 			
	<ul style="list-style-type: none"> BACWA developed a White Paper on BAAQMD Rule 11-18 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. 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. In the <i>Final Statement of Reasons</i> for rulemaking on AB 617 and AB 2588, CARB provided 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 2028). In December 2021, BAAQMD amended Rule 2-5 to reduce allowable levels of toxic air contaminants in new source permitting. In March 2022, BAAQMD and BACWA convened a working group to address concerns related to toxic air contaminants and rule-making, which is meeting quarterly. 	<ul style="list-style-type: none"> Continue participating in the BAAQMD working group to discuss toxic air contaminants, rule development, and related issues. BACWA is coordinating with BAAQMD about implementation of the two-step process and its timing relative to BAAQMD Rule 11-18 and 2-5. Report “business as usual” for air toxics through 2028 (for year 2027). If BAAQMD requests additional monitoring of air toxics, member agencies should refer to the one-page handout on this topic prepared by CASA. The wastewater sector has until 2028 to perform a statewide “two-step process” in collaboration with CARB and air districts to determine a shortlist of compounds relevant to the wastewater sector to report. Continue to Participate in CASA Subgroup meetings to plan the “two-step process” study. For budgeting planning purposes, BACWA members with permitted capacity > 5 MGD should expect the study to cost approximately \$2,000 per MGD of permitted average dry weather flow. Study costs will be spread over FY24 to F27. 	<p>BAAQMD Rule 11-18 page: https://www.baaqmd.gov/rules-and-compliance/rules/regulation-11-rule-18-reduction-of-risk-from-air-toxic-emissions-at-existing-facilities</p> <p>Rule 11-18 Process Flowchart: https://bacwa.org/document/baaqmd-11-18-process-flowchart-08-17-17/</p> <p>CARB page on AB 617 and AB 2588: https://ww2.arb.ca.gov/our-work/programs/criteria-and-toxics-reporting <i>Final Statement of Reasons</i> https://ww3.arb.ca.gov/board/15day/ctr/fsor.pdf</p> <p>CASA One-Page Handout on Air Toxics Reporting (March 2022) https://bacwa.org/wp-content/uploads/2022/03/CTR-EICG_CASAOnePageIssue-Approach_March2022.pdf</p> <p>BAAQMD Rule 2-5 https://www.baaqmd.gov/rules-and-compliance/rules/reg-2-permits?rule_version=2021%20Amendments</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
RECYCLED WATER			
<ul style="list-style-type: none"> Approximately 10 percent of the municipal wastewater of Region 2 POTWs is currently recycled. Expansion of recycled water projects is a goal of many BACWA members, but implementation is slowed by high costs, regulatory uncertainty, and administrative requirements. As of 2018, the State Water Board has adopted uniform water recycling criteria for two types of Indirect Potable Reuse: surface water augmentation and groundwater augmentation. As of 2020, virtually all recycled water in Region 2 was produced at centralized facilities using municipal wastewater, and was treated to meet standards for non-potable reuse. The State Water Board is developing regulations for Direct Potable Reuse. Regulations for raw water augmentation must be adopted by December 31, 2023. The State Water Board is pursuing a regulatory path that also includes treated water augmentation. The State Water Board will issue draft regulations for Direct Potable Reuse in early 2023. 	<ul style="list-style-type: none"> Beginning in 2020, all agencies have been required to report monthly wastewater and recycled water volumes into the State's Geotracker database. The 2023 survey includes new questions about future plans for increased recycled water production. Response are due April 30. The State Water Board is currently developing standards for onsite treatment and reuse of non-potable water in multi-family, mixed use, and commercial buildings. Draft regulatory concepts for onsite non-potable reuse were released in August 2022. The State Water Board is expected to begin rulemaking for onsite non-potable recycled water by late spring and complete the regulations by the end of 2023. BACWA is currently completing a Regional Evaluation of Potential Nutrient Discharge Reduction by Water Recycling, as required by the 2nd Nutrient Watershed Permit. The State Water Board is launching a "Strike Team" to assess how California will meet new recycled water goals listed in California's Water Supply Strategy (August 2022). The new goals call for 800,000 acre-feet per year of recycled water by 2030 and 1.8 million acre-feet per year by 2040. The Strike Team will also document challenges to meeting these goals, including but not limited to funding. 	<ul style="list-style-type: none"> This spring, BACWA members should plan to sign off on individual facility reports and review the draft overall report for the Regional Evaluation of Potential Nutrient Discharge Reduction. The consultant team has completed most individual reports, and will produce the overall draft report by mid-April 2023. The overall report, including individual facility reports, must be submitted by July 1, 2023. Review draft regulations for Direct Potable Reuse and Onsite Non-potable Reuse and work through Recycled Water committee to develop comments, as needed. Track California legislation with potential impacts on recycled water funding, mandates, or regulations. 	<p>Water Boards Recycled Water Policy and Regulations https://www.waterboards.ca.gov/water_issues/programs/recycled_water/</p> <p>Direct Potable Reuse framework documents https://www.waterboards.ca.gov/drinking_water/certic/drinkingwater/direct_potable_reuse.html</p> <p>Volumetric Annual Reporting Data: https://www.waterboards.ca.gov/water_issues/programs/recycled_water/volumetric_annual_reporting.html</p> <p>Special Studies of Recycled Water and Nature-Based Systems: https://bacwa.org/document-category/2nd-watershed-permit-studies/</p> <p>California's Water Supply Strategy (August 2022) https://resources.ca.gov/-/media/CNRA-Website/Files/Initiatives/Water-Resilience/CA-Water-Supply-Strategy.pdf</p>

Previously covered issues with no updates can be found in previous [BACWA issues summaries](#).

ACRONYMS

ADC	Alternate Daily Cover	PCB	Polychlorinated Biphenyl
BAAQMD	Bay Area Air Quality Management District	PFAS	Per- and Polyfluoroalkyl Substances
BACT	Best Available Control Technology	PFBS	Perfluorobutane Sulfonic Acid
BCDC	Bay Conservation and Development Commission	PFHxS	Perfluorohexane Sulfonic Acid
BTU/SCF	British thermal units per standard cubic foot	PFOA	Perfluorooctanoic Acid
CalDPR	California Department of Pesticide Registration	PFOS	Perfluorooctane Sulfonic Acid
CARB	California Air Resources Board	POTW	Publicly Owned Treatment Works
CASA	California Association of Sanitation Agencies	PS	Prioritization Score
CAP	Criteria Air Pollutant	RMP	Regional Monitoring Program
CEC	Compound of Emerging Concern	RPA	Reasonable Potential Analysis
CIWQS	California Integrated Water Quality System	SCAP	Southern California Alliance of POTWs
CVCWA	Central Valley Clean Water Agencies	SF Bay	San Francisco Bay
CWEA	California Water Environment Association	SFEI	San Francisco Estuary Institute
DDW	Division of Drinking Water, State Water Resources Control Board	SSMP	Sewer System Management Plan
EC25/IC25	25% Effect Concentration/25% Inhibition Concentration	TAC	Toxic Air Contaminant
ELAP	Environmental Laboratory Accreditation Program	TMDL	Total Maximum Daily Load
ELTAC	Environmental Laboratory Technical Advisory Committee	TIN	Total Inorganic Nitrogen
EPA	United States Environmental Protection Agency	TNI	The NELAC Institute
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act	TST	Test of Significant Toxicity
FY	Fiscal Year	WQBEL	Water Quality Based Effluent Limitation
GHG	Greenhouse Gas	WQO	Water Quality Objective
HRSA	Health Risk Screening Analyses	ZEV	Zero-Emission Vehicle
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		
NMS	Nutrient Management Strategy		
OEHHA	Office of Environmental Health Hazard Assessment		
OPC	Ocean Protection Council		

ITEM NO. 16 GENERAL MANAGER'S REPORT

Action Requested

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

Summary

The General Manager's (GM) tenure began on April 17, 2014. A two-year extension was approved on April 20, 2016, a three-year extension was approved on February 21, 2018, and an additional three year extension was approved on February 17, 2021. The agreement requires a report on hours worked during the fiscal year at each Board meeting. There is a limitation of 1,000 hours per fiscal year. For the fiscal year ending June 30, 2022 the General Manager billed LAVWMA 544 hours. The level of effort for FYE22 is normal, considering the number of capital projects to complete over the next two years. For the fiscal year ending June 30, 2023 the General Manager has billed LAVWMA approximately 275 hours, which is also normal due to the number of capital projects.

In addition to the brief descriptions below, there are several items of interest for the Board's review:

1. Asset Management.

Asset Management continues to proceed. DSRSD has prepared a Replacement Model Report, which is being review by LAVWMA

2. Records Management Project.

The project itself has been completed. DSRSD has hired Sheree Davis as a new Administrative Assistant II in the Administrative Services Department, reporting to Carol Atwood. Ms. Davis is assisting LAVWMA. She has caught up with filing that had piled up over the last couple of years. Several boxes containing LAVWMA files have been found and their contents will be reviewed in the next couple of weeks. The boxes had to be moved due to the office flooding and are now being reviewed.

3. Wastewater Agency Response to COVID-19

Member Agency staff continue to follow all current guidelines issued by the Governor and Alameda County. DSRSD has returned to in person meetings and LAVWMA has been following their lead. The May 17, 2023 meeting will be held at DSRSD. Refer to Agenda Item No. 8 for additional information.

4. FYE21 Capital Project Planning

Please refer to the Action Item List, **Item No. 16.1** for a status report on all capital projects for FYE23. The General Manager is working closely with DSRSD staff to ensure that projects are

managed as effectively as possible. The Action Item List has been modified to track all capital projects in addition to other key tasks.

5. Succession Planning

Work on this task is on target. The Staff Advisory Group (SAG) have reviewed a job description. The succession plan includes the following elements: 1) interfacing with staff at the member agencies to identify key persons to assist a new General Manager in the transition, and 2) identifying which member agency staff will fill in on a temporary basis if the General Manager becomes unavailable to serve. It is anticipated that a Request for Qualifications/Proposal for a new General Manager will be issued approximately one year before the incumbent's current agreement ends, April 17, 2024. This should allow adequate time for a transition and potential overlap between the two individuals. At this time, the use of a professional recruiting firm is not anticipated.

6. PG&E Costs and Max Demand Savings

There is a paragraph in the Quarterly O&M Report, Item No. 11, noting that DSRSD staff is managing the system to avoid Max Demand Charges on one of the Feeders to the pump station to the extent possible. This is a key accomplishment, and should be commended. The billing period from PG&E is published in advance, which allows for operations planning. **Item No. 16.2** is a summary of all PG&E costs for this fiscal year. It is presented in tabular and chart form. As predicted at the last meeting demand charges have increased due to the unreliability of PG&E. Operations is forced to keep the basins as low as possible to protect against loss of power. The prediction from the last meeting was that this could cost up to \$40,000 per month. Due to the extreme weather conditions in December and January, the most recent billing period was a total of \$293,000, of which approximately \$40,000 can be attributed to extra demand charges.

7. Letter from SDRMA

Please refer to **Item No. 16.3** January 26, 2023 letter from LAVWMA's Insurance Carrier, Sanitation District Risk Management Authority (SDRMA). The letter states that the premium for FYE24 will range from \$108,580 - \$112,041. This continues the trend of the last several years where premiums have increased greater than the rate of inflation due to impacts from wildfires and other natural disasters. As a comparison the premium for the current fiscal year was \$99,965.

Following is a brief description of major activities since the June 29, 2022 Board meeting:

- Attended LAVWMA O&M meetings with DSRSD, Livermore and Pleasanton staff. Recent meetings have been Zoom web meetings.
- Updated Capital Project Planning and Action Item List.

Agenda Explanation
 Livermore-Amador Valley
 Water Management Agency
 Board of Directors
 February 15, 2023

- Drafted November 16, 2022 minutes and sent out for review. Updated based on comments received.
- Prepared items for the February 15, 2023 Board meeting and prepared the packet for distribution. Made updates to website as needed for files and legal requirements.
- Scheduled the February 15, 2023 meeting for a Zoom meeting based on direction from the Board at the November 16, 2022 meeting.
- Worked with DTN Engineers, DSRSD staff, and Total Energies on developing a draft layout for solar panels at the pump station site. Total Energies opted to not provide a proposal.
- Worked with Woodard & Curran, and DSRSD staff on the PG&E Electrical Reliability Assessment and Options Draft Report; made various edits to draft versions of the report.
- Managed various capital projects, including reviewing all documents, submittals, RFIs, contract change orders, invoices, etc. Major projects include the MCC replacement, pump purchase, PG&E Reliability, and SLSS improvements project.
- Continued working with the MCC team to finalize the last remaining programming items. The Notice of Completion has been recorded and the final payment has been made to the contractor Royal Electric.
- Continued working with DSRSD staff for pipeline inspection project to begin spring 2023.
- Logged into DSRSD system to review and approve invoices and review and respond to emails.
- Reviewed, made minor edits, and commented on DSRSD's 2nd quarter O&M report.
- Continued reviewing PG&E bills to ensure they are using the proper rate schedule. Maintained all data in a spreadsheet for proper tracking and budget preparation. Noticed possibility of using only one feeder system each billing period. Worked with DSRSD staff to confirm intent of using this approach
- Continued working with HydroScience and DSRSD staff to address comments on plans and technical specs for the SLSS project to HydroScience. Front end specifications have been completed except for the final schedule.
- Kept SAG members informed on various issues and projects.
- Continued to work with General Counsel to track legislation of interest to LAVWMA and the member agencies.
- Continued working with DSRSD staff to manage electrical use at the pump station. .
- Monitored progress of other pump station and O&M projects managed by DSRSD staff.
- Reviewed and approved invoices for MCC design, Royal Electric, MCC construction management, SLSS design, and other projects for payment by DSRSD.
- Continued to Discuss Asset Management issues with DSRSD staff. LAVWMA continues to follow their lead.
- Worked with Treasurer and General Counsel to develop process for selection of audit firm for the next five years.
- Worked with DSRSD staff on various inquiries regarding projects near the forcemain to ensure there would be no issues of concern with the integrity of the forcemain.

Page 4

Agenda Explanation
 Livermore-Amador Valley
 Water Management Agency
 Board of Directors
 February 15, 2023

- Continued working with Administrative Assistant II Sheree Davis to discuss responsibilities and procedures. Had website manager set her up with a login for the website. .
- Attended EBDA Managers Advisory Committee (MAC) meetings. Made notes of same and shared with SAG members.
- Continued reviewing EBDA issues of concern including Cargill brine project and strategic planning.
- Prepared and submitted monthly invoices for LAVWMA General Management services.
- Reviewed and approved DSRSD monthly invoices for O&M services.
- Continued working with EBDA and LAVWMA agency staff to address enterococcus and other permit issues.
- Used DocuSign system for Board Resolutions, Agreements, minutes, and other documents.
- Reviewed EBDA, DSRSD, and DERWA agenda packets.
- Reviewed and directed handling of scanned mail sent by DSRSD staff.
- Responded to various emails and phone calls from outside agencies and organizations.

Next Meeting

The next Regular Board meeting is scheduled for May 17, 2023 at the DSRSD Board Room. Note that the Board may have the option for one more Zoom meeting.

Recommendation

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

Attachments

- 16.1 Action Item List**
- 16.2 PG&E Cost Summary**
- 16.3 Letter from SDRMA**

LAVWMA Action Item List

Month: Jan-23

SAG Task	Responsible Party	Due Date	Status	Completion Date
Items for February 2023 LAVWMA Board Meeting.	SAG	NA	Several items this month. Updates on current capital projects, continuing with remote meetings, legal and legislative issues, and the GM report.	
Operations Coordination Committee Task	Responsible Party	Due Date	Status	Completion Date
FYE23 Replacement Projects: See Items Below	Weir/Delight	Various dates	Refer to information below.	
MCC and Soft Starter Replacement Project. Carryover from FYE20 and into FYE21. Estimated design cost \$250,000. Project now includes Electrical Improvements to the Main Switchgear at the Pump Station. Total estimated cost \$2,300,000 - \$2,500,000.	Weir/Atendido	12/31/2021	Project is complete. The Notice of Completion with Alameda County has been filed and final payment has been made. One warranty item was successfully resolved in January 2023, related to the settings to allow the standby generator to operate properly.	11/30/2022
Resealing of all Three Storage Basins. Estimated cost \$200,000	Quinlan	12/31/2020	Project is complete. Some issues due to water getting under some of the seal areas. A few areas are being resealed.	6/30/2021
San Leandro Sample Station Design Improvements. Estimated cost \$1,000,000 plus engineering costs of \$230,000 for a total of \$1,230,000	Weir	12/31/2022	Final plans and specs are nearing completion. Hope to issue bid packet in March 2023. Likely that cost estimate will increase, requiring a budget amendment. Have also needed to increase HydroScience agreement to account for new information, and additional findings for the project.	12/31/2023
Cathodic Protection Projects. Estimated cost \$185,000	Weir/Atendido	12/31/2020	Corpro has completed most items that did not require any excavation. Permits have been received for three projects needing excavation and were provided to Corpro. We have heard nothing from Corpro in several months. Will likely cancel their contract and have another firm do it. Will return to full system inspection this fiscal year.	6/30/2023
PLC Upgrade at the Pump Station. Estimated cost \$300,000	TBD	6/30/2021	Will be included in DSRSD SCADA project, which is design build. Project has begun. Scoping meetings with staff have been held and the project is progressing.	
Pipeline Inspection. Estimated cost \$100,000	TBD	6/30/2021	DSRSD has outlined a plan for an inspection in the Spring 2023 time frame.	
Smart Detectors on High Maintenance Air/Vac and Air Release Valves. Estimated cost \$40,000	Quinlan	6/30/2022	Project is complete for six smart detectors. They have already prevented several spills due to advance notice to DSRSD staff. Anticipate buying and installing several more since they have been so successful.	6/30/2022
Replace three flow meters at the junction structure. Estimated cost is \$250,000.	TBA	6/30/2023	Flowmeters have been purchased and the Livermore flowmeter has been installed. A second flowmeter will be installed in early February 2023.	
Replace 17 valve actuators at the pump station. Estimated cost is \$255,555.	Quinlan	6/30/2023	There are seventeen valves that have electric actuators at the pump station. All of the valves actuators were installed when the pump station was upgraded twenty years ago and they are at the end of their useful lives. The actuators will be replaced with the newest technology and will match the style that are commonly used at DSRSD. The actuators cost approximately \$9,000 each and will be installed by DSRSD staff. The total cost includes staff time for the installation.	
PG&E Reliability and Solar/Battery storage. This is a new project and no cost has yet been identified.	Weir	TBD	Recent PG&E outages during the summer have resulted in concern that the same could occur during wet weather and result in unpermitted discharges. The Board also asked about solar/battery systems to offset demand charges and reduce energy costs. DTN Engineers has prepared a draft report recommending a 1.5MW standby generator that would run at least two large pumps for at least 24 hours during a PG&E outage. Not certain that is adequate. Cost of at least \$4M and three years. Rented a 2 KW generator for one month (\$40k rental plus \$10k mobilization and testing) and determined it will run four small pumps and pump approximately 19.4 MGD. Will use unused funds from agreement with Woodard & Curran to do additional flow modeling (recall EBDA "pick a flow") to assist in determining standby power needs. Having trouble getting solar provided to provide a proposal. Will need to issue an RFP for a PPP project, which could save up to \$500,000 in energy costs per year, but not address wet weather issues. Recommendations to Board likely to be solar project and rental of generator during winter high flow periods. More experience with PG&E may change that, since there have been no outages this winter.	TBD
Other Items				
Wet Weather Issues	Sevilla	10/31/2020	Many storms in January tested all facilities, with no serious issues. This will be discussed at January 30, 2023 Ops meeting.	
Live test of SLSS system	Sevilla/Atendido	TBD	A test was conducted on November 3, 2021. There were no significant issues encountered during the test. The SLSS design engineer was on site and gathered valuable information that will assist in the upgrade design.	
Live test of Alamo Canal discharge during wet weather	Carson/Sevilla	TBD	Planned test during storms in January did not occur due to staffing and safety issues. Looking to test during the next storms.	
Wet Well Isolation Gates	Quinlan	6/30/2023	Gate is in good shape but won't fully close. No date set, perhaps this winter. May be coordinated with replacement of the valve actuators.	
EBDA Enterococcus Issue	Sevilla		No issues at this time.	
YTD O&M Expenses compared to budget	Carson, Weir	Ongoing	No issues at this time. PG&E costs in January were high due to the numerous storms.	

PG&E Energy Cost Summary for FYE22

Detailed Monthly Charges

Meter A Rate Schedule B20S - Business High Use

Month	Customer Charge				Demand Charge Max Peak								Total Monthly Cost	Demand Charge Max Part Peak					
	Number	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost		Number P1	Unit	Unit Cost	Cost	Number P2	Unit
6/13 - 7/13/2022	31	Days	\$ 58.30343	\$ 1,807.41		kW		\$0.00		kW		\$0.00	\$0.00		kW		\$ -		kW
7/14 - 8/14/22	32	Days	\$ 58.30343	\$ 1,865.71		kW				kW				106	kW	\$ 6.13000	\$ 649.78		kW
8/15 - 9/13/22	30	Days	\$ 58.30343	\$ 1,749.10		kW				kW					kW		\$ -		kW
9/14 - 10/12/22	29	Days	\$ 58.30343	\$ 1,690.80		kW				kW					kW				kW
10/13 - 11/13/22	32	Days	\$ 58.30343	\$ 1,865.71		kW		\$0.00		kW			\$0.00		kW				kW
11/14 - 12/12/22	29	Days	\$ 58.30343	\$ 1,690.80		kW			369	kW	\$2.24000	\$342.02	\$342.02		kW				kW
12/13 - 1/11/23	30	Days	\$ 57.70034	\$ 1,731.02	1487	kW	\$2.24000	\$2,109.56	1492	kW	\$2.57000	\$1,405.96	\$3,515.52		kW				kW
	Days		\$ -			kW		\$0.00		kW			\$0.00		kW				kW
	Days		\$ -			kW				kW					kW				kW
	Days		\$ -			kW				kW					kW				kW
	Days		\$ -			kW				kW					kW				kW
	Days		\$ -			kW				kW					kW				kW
	Days		\$ -			kW		\$0.00		kW		\$0.00	\$0.00		kW				kW
TOTALS	213			\$ 12,400.54	1487				1861				\$3,857.54	106				0	

Meter B Rate Schedule B20S - Business High Use

Month	Customer Charge				Demand Charge Max Peak								Total Monthly Cost	Demand Charge Max Part Peak					
	Number	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost		Number P1	Unit	Unit Cost	Cost	Number P2	Unit
6/13 - 7/13/2022	31	Days	\$ 58.30343	\$ 1,807.41	25	kW	\$30.06000	\$751.50		kW		\$0.00	\$751.50	20	kW	\$ 6.13000	\$122.60		kW
7/14 - 8/14/22	32	Days	\$ 58.30343	\$ 1,865.71	22	kW	\$30.06000	\$661.32		kW		\$0.00	\$661.32	22	kW	\$ 6.13000	\$134.86		kW
8/15 - 9/13/22	30	Days	\$ 58.30343	\$ 1,749.10	22	kW	\$30.06000	\$374.75	22	kW	\$30.06000	\$286.57	\$661.32	23	kW	\$ 6.13000	\$79.89	21	kW
9/14 - 10/12/22	29	Days	\$ 58.30430	\$ 1,690.82	20	kW	\$30.06000	\$352.43	22	kW	\$2.24000	\$20.39	\$372.82	22	kW	\$ 6.13000	\$79.06		kW
10/13 - 11/13/22	32	Days	\$ 58.30343	\$ 1,865.71	33	kW	\$2.24000	\$73.92		kW			\$73.92		kW				kW
11/14 - 12/12/22	29	Days	\$ 58.30343	\$ 1,690.80	38	kW	\$2.24000	\$49.90	488	kW	\$2.24000	\$452.33	\$502.22		kW				kW
12/13 - 1/11/23	30	Days	\$ 57.70034	\$ 1,731.02	1820	kW	\$2.24000	\$2,581.97	1820	kW	\$2.57000	\$1,715.05	\$4,297.02		kW				kW
	Days		\$ -			kW		\$0.00		kW			\$0.00		kW				kW
	Days		\$ -			kW		\$0.00		kW		\$0.00	\$0.00		kW				kW
	Days		\$ -			kW		\$0.00		kW			\$0.00		kW				kW
	Days		\$ -			kW		\$0.00		kW			\$0.00		kW				kW
	Days		\$ -			kW		\$0.00		kW			\$0.00		kW				kW
TOTALS	213			\$ 12,400.57	1980				2352				\$7,320.12	87				21	

Meters A & B Combined Rate Schedule B20S - Business High Use

Month	Customer Charge				Demand Charge Max Peak								Total Monthly Cost	Demand Charge Max Part Peak					
	Number	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost		Number P1	Unit	Unit Cost	Cost	Number P2	Unit
6/13 - 7/13/2022	31	Days	\$ 3,614.81		25	kW		\$0.00		kW		\$0.00	\$751.50	20	kW	\$ 122.60		0	kW
7/14 - 8/14/22	32	Days	\$ 3,731.42		22	kW						\$0.00	\$661.32	128	kW	\$ 784.64		0	kW
8/15 - 9/13/22	30	Days	\$ 3,498.21		22	kW						\$286.57	\$661.32	23	kW	\$ 79.89		21	kW
9/14 - 10/12/22	29	Days	\$ 3,381.62		20	kW						\$20.39	\$372.82	22	kW	\$ 79.06		0	kW
10/13 - 11/13/22	32	Days	\$ 3,731.42		33	kW		\$0.00				\$0.00	\$73.92	0	kW	\$ -		0	kW
11/14 - 12/12/22	29	Days	\$ 3,381.60		38	kW						\$794.35	\$844.25	0	kW	\$ -		0	kW
12/13 - 1/11/23	30	Days	\$ 3,462.03		3307	kW		\$0.00				\$3,121.01	\$7,812.54	0	kW	\$ -		0	kW
	Days		\$ -		0	kW		\$0.00				\$0.00	\$0.00	0	kW	\$ -		0	kW
	Days		\$ -		0	kW						\$0.00	\$0.00	0	kW	\$ -		0	kW
	Days		\$ -		0	kW						\$0.00	\$0.00	0	kW	\$ -		0	kW
	Days		\$ -		0	kW						\$0.00	\$0.00	0	kW	\$ -		0	kW
	Days		\$ -		0	kW						\$0.00	\$0.00	0	kW	\$ -		0	kW
TOTALS	213			\$ 24,801.11	3467				0				\$11,177.67	193				21	

Total Monthly Cost		Demand Charge Max Demand								Total Monthly Cost	Energy Charges Peak							
Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost		Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	
	\$0.00		kW		\$0.00		kW		\$0.00	\$0.00		kWh		\$ -		kWh		
	\$649.78	383	kW	\$ 28.04000	\$10,739.32		kW		\$0.00	\$10,739.32		kWh				kWh		
	\$0.00	385	kW	\$ 28.04000	\$6,117.39	371	kW	\$28.04000	\$4,507.90	\$10,625.29		kWh				kWh		
		623	kW	\$ 28.04000	\$10,240.40	378	kW	\$28.04000	\$4,385.84	\$14,626.24		kWh		\$ -		kWh		
		760	kW	\$ 28.04000	\$21,310.40		kW			\$21,310.40		kWh		\$ -		kWh		
		372	kW	\$ 28.04000	\$6,114.65	379	kW	\$28.04000	\$4,397.45	\$10,512.10		kWh			5433	kWh	\$ 0.16684	
		1487	kW	\$ 28.04000	\$26,407.14	1875	kW	\$29.15000	\$20,040.63	\$46,447.76	10683	kWh	\$ 0.16684	\$ 1,782.35	52293	kWh	\$ 0.18019	
			kW		\$0.00		kW			\$0.00		kWh		\$ -		kWh		
			kW		\$0.00		kW			\$0.00		kWh				kWh		
			kW		\$0.00		kW			\$0.00		kWh				kWh		
			kW		\$0.00		kW			\$0.00		kWh				kWh		
	\$ -		kW		\$0.00		kW		\$0.00	\$0.00		kWh		\$ -		kWh		
\$649.78		4010				3003				\$114,261.12	10683				57726			

Total Monthly Cost		Demand Charge Max Demand								Total Monthly Cost	Energy Charges Peak							
Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost		Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	
	\$122.60	974	kW	\$ 28.04000	\$27,310.96		kW		\$0.00	\$27,310.96	1732	kWh	\$ 0.18675	\$ 323.45		kWh		
	\$134.86	534	kW	\$ 28.04000	\$14,973.36		kW		\$0.00	\$14,973.36	2139	kWh	\$ 0.18675	\$ 399.46		kWh		
\$ 6.13000	\$55.78	529	kW	\$ 28.04000	\$8,405.46	467	kW	\$28.04000	\$5,674.36	\$14,079.82	1172	kWh	\$ 0.18675	\$ 218.87	933	kWh	\$ 0.18675	
	\$79.06	979	kW	\$ 28.04000	\$16,092.06	971	kW	\$28.04000	\$11,266.28	\$27,358.34	1190	kWh	\$ 0.18675	\$ 222.23	966	kWh	\$ 0.16684	
		985	kW	\$ 28.04000	\$27,619.40		kW			\$27,619.40	2817	kWh	\$ 0.16684	\$ 469.99		kWh		
		1434	kW	\$ 28.04000	\$23,571.00	1379	kW	\$28.04000	\$16,000.20	\$39,571.21	1686	kWh	\$ 0.16684	\$ 281.29	14980	kWh	\$ 0.16684	
		1820	kW	\$ 28.04000	\$32,320.77	1825	kW	\$29.15000	\$19,506.21	\$51,826.98	27487	kWh	\$ 0.16684	\$ 4,585.93	84299	kWh	\$ 0.18019	
			kW		\$0.00		kW			\$0.00		kWh		\$ -		kWh		
			kW		\$0.00		kW		\$0.00	\$0.00		kWh		\$ -		kWh		
			kW		\$0.00		kW			\$0.00		kWh		\$ -		kWh		
			kW		\$0.00		kW			\$0.00		kWh		\$ -		kWh		
	\$ -		kW		\$0.00		kW		\$0.00	\$0.00		kWh		\$ -		kWh		
\$472.19		7255				4642				\$202,740.07	38223				101178			

Total Monthly Cost		Demand Charge Max Demand								Total Monthly Cost	Energy Charges Peak							
Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost		Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	
\$0.00	\$ 122.60	974	kW		\$ -	0	kW		\$0.00	\$ 27,310.96	1732	kWh		\$ 323.45	0	kWh		
\$0.00	\$ 784.64	917	kW		\$ -	0	kW		\$0.00	\$ 25,712.68	2139	kWh		\$ 399.46	0			
	\$ 135.68	914	kW		\$ -	838	kW		\$10,182.26	\$ 24,705.11	1172	kWh		\$ 218.87	933			
	\$ 79.06	1602	kW		\$ -	1349	kW		\$15,652.12	\$ 41,984.58	1190	kWh		\$ 222.23	966			
	\$ -	1745	kW		\$ -	0	kW		\$0.00	\$ 48,929.80	2817	kWh		\$ 469.99	0			
	\$ -	1806	kW		\$ -	1758	kW		\$20,397.65	\$ 50,083.31	1686	kWh		\$ 281.29	20413			
	\$ -	3307	kW		\$ -	3700	kW		\$39,546.83	\$ 98,274.74	38170	kWh		\$ 6,368.28	136592			
	\$ -	0	kW		\$ -	0	kW		\$0.00	\$ -	0	kWh		\$ -	0			
	\$ -	0	kW			0	kW		\$0.00	\$ -	0	kWh		\$ -	0			
	\$ -	0	kW			0	kW		\$0.00	\$ -	0	kWh		\$ -	0			
	\$ -	0	kW			0	kW		\$0.00	\$ -	0	kWh		\$ -	0			
	\$ -	0	kW			0	kW		\$0.00	\$ -	0	kWh		\$ -	0			
\$1,121.97		11265				7645				\$317,001.18	48906				158904			

Total Monthly Cost			Energy Charges Part Peak								Energy Charges Off Peak								Total Monthly Cost
Cost			Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	
\$0.00	\$0.00			kWh		\$ -		kWh		\$0.00		kWh		\$0.00		kWh		\$ -	\$0.00
			44	kWh	\$ 0.15333	\$ 6.75		kWh		\$0.00	140018	kWh	\$ 0.12693	\$17,772.48		kWh		\$ -	\$17,772.48
				kWh		\$ -		kWh		\$0.00	76150	kWh	\$ 0.12693	\$9,665.72	47752	kWh	\$ 0.12693	\$ 6,061.16	\$15,726.88
	\$0.00			kWh				kWh			83934	kWh	\$ 0.12693	\$10,653.74	56261	kWh	\$ 0.12672	\$ 7,129.39	\$17,783.14
	\$0.00			kWh				kWh			245189	kWh	\$ 0.12672	\$31,070.35		kWh			\$31,070.35
\$906.44	\$906.44			kWh				kWh			93356	kWh	\$ 0.12672	\$11,830.07	76217	kWh	\$ 0.12672	\$ 9,658.22	\$21,488.29
\$9,422.68	\$11,205.03			kWh				kWh			227733	kWh	\$ 0.12672	\$28,858.33	224026	kWh	\$ 0.13414	\$ 30,050.85	\$58,909.17
	\$0.00			kWh				kWh				kWh		\$0.00		kWh			\$0.00
				kWh				kWh				kWh		\$0.00		kWh			\$0.00
				kWh				kWh				kWh		\$0.00		kWh			\$0.00
				kWh				kWh				kWh		\$0.00		kWh			\$0.00
\$0.00	\$0.00			kWh				kWh		\$0.00		kWh		\$0.00		kWh		\$ -	\$0.00
\$12,111.47			44				0			\$6.75	866380			\$109,850.70	404256				\$162,750.32

Total Monthly Cost			Energy Charges Part Peak								Energy Charges Off Peak								Total Monthly Cost
Cost			Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	
\$0.00	\$323.45		1635	kWh	\$ 0.15333	\$ 250.69		kWh		\$250.69	333189	kWh	\$ 0.12693	\$ 42,291.68		kWh		\$ -	\$42,291.68
\$0.00	\$399.46		1914	kWh	\$ 0.15333	\$ 293.47		kWh		\$293.47	176173	kWh	\$ 0.12693	\$ 22,361.64		kWh		\$ -	\$22,361.64
\$ 174.24	\$393.11		1016	kWh	\$ 0.15333	\$ 155.78	797	kWh	\$ 0.15333	\$ 122.20	91247	kWh	\$ 0.12693	\$ 11,581.98	70226	kWh	\$ 0.12693	\$ 8,913.79	\$20,495.77
\$161.17	\$383.40		997	kWh	\$ 0.15333	\$ 152.87		kWh		\$152.87	167474	kWh	\$ 0.12693	\$ 21,257.47	130719	kWh	\$ 0.12672	\$ 16,564.71	\$37,822.19
	\$469.99			kWh				kWh			453208	kWh	\$ 0.12672	\$ 57,430.52		kWh			\$57,430.52
\$2,499.26	\$2,780.56			kWh				kWh			360683	kWh	\$ 0.12672	\$ 45,705.75	285004	kWh	\$ 0.12672	\$ 36,115.71	\$81,821.46
\$15,189.84	\$19,775.77			kWh				kWh			416600	kWh	\$ 0.12672	\$ 52,791.55	305040	kWh	\$ 0.13414	\$ 40,918.07	\$93,709.62
	\$0.00			kWh				kWh				kWh		\$ -		kWh			\$0.00
\$0.00	\$0.00			kWh				kWh				kWh		\$ -		kWh		\$ -	\$0.00
	\$0.00			kWh				kWh				kWh		\$ -		kWh			\$0.00
	\$0.00			kWh				kWh				kWh		\$ -		kWh			\$0.00
	\$0.00			kWh				kWh		\$0.00		kWh		\$ -		kWh		\$ -	\$0.00
\$24,525.73			5562				797			\$975.03	1998574			\$253,420.59	790989				\$355,932.87

Total Monthly Cost			Energy Charges Part Peak								Energy Charges Off Peak								Total Monthly Cost
Cost			Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	
\$0.00	\$ 323.45		1635	kWh		\$ 250.69		0	kWh	\$0.00	333189	kWh		\$ -	0	kWh		\$ -	\$42,291.68
\$0.00	\$ 399.46		1958	kWh		\$ 300.22		0	kWh	\$0.00	316191	kWh		\$ -	0	kWh		\$ -	\$40,134.12
\$174.24	\$ 393.11		1016	kWh		\$ 155.78	797	kWh		\$277.99	167397	kWh		\$ -	117978	kWh		\$ 14,974.95	\$36,222.65
\$161.17	\$ 383.40		997	kWh		\$ 152.87		0	kWh	\$152.87	251408	kWh		\$ -	186980	kWh		\$ 23,694.11	\$55,605.32
\$0.00	\$ 469.99			0	kWh	\$ -		0	kWh	\$0.00	698397	kWh		\$ -	0	kWh		\$ -	\$88,500.87
\$3,405.70	\$ 3,687.00			0	kWh	\$ -		0	kWh	\$0.00	454039	kWh		\$ -	361221	kWh		\$ 45,773.93	\$103,309.75
\$24,612.51	\$ 30,980.80			0	kWh	\$ -		0	kWh	\$0.00	644333	kWh		\$ -	529066	kWh		\$ 70,968.91	\$152,618.79
\$0.00	\$ -			0	kWh	\$ -		0	kWh	\$0.00	0	kWh		\$ -	0	kWh		\$ -	\$0.00
\$0.00	\$ -			0	kWh	\$ -		0	kWh	\$0.00	0	kWh		\$ -	0	kWh		\$ -	\$0.00
\$0.00	\$ -			0	kWh	\$ -		0	kWh	\$0.00	0	kWh		\$ -	0	kWh		\$ -	\$0.00
\$0.00	\$ -			0	kWh	\$ -		0	kWh	\$0.00	0	kWh		\$ -	0	kWh		\$ -	\$0.00
\$0.00	\$ -			0	kWh	\$ -		0	kWh	\$0.00	0	kWh		\$ -	0	kWh		\$ -	\$0.00
\$0.00	\$ -			0	kWh	\$ -		0	kWh	\$0.00	0	kWh		\$ -	0	kWh		\$ -	\$0.00
\$36,637.20			5606				797			\$981.77	2864954			\$0.00	1195245				\$518,683.18

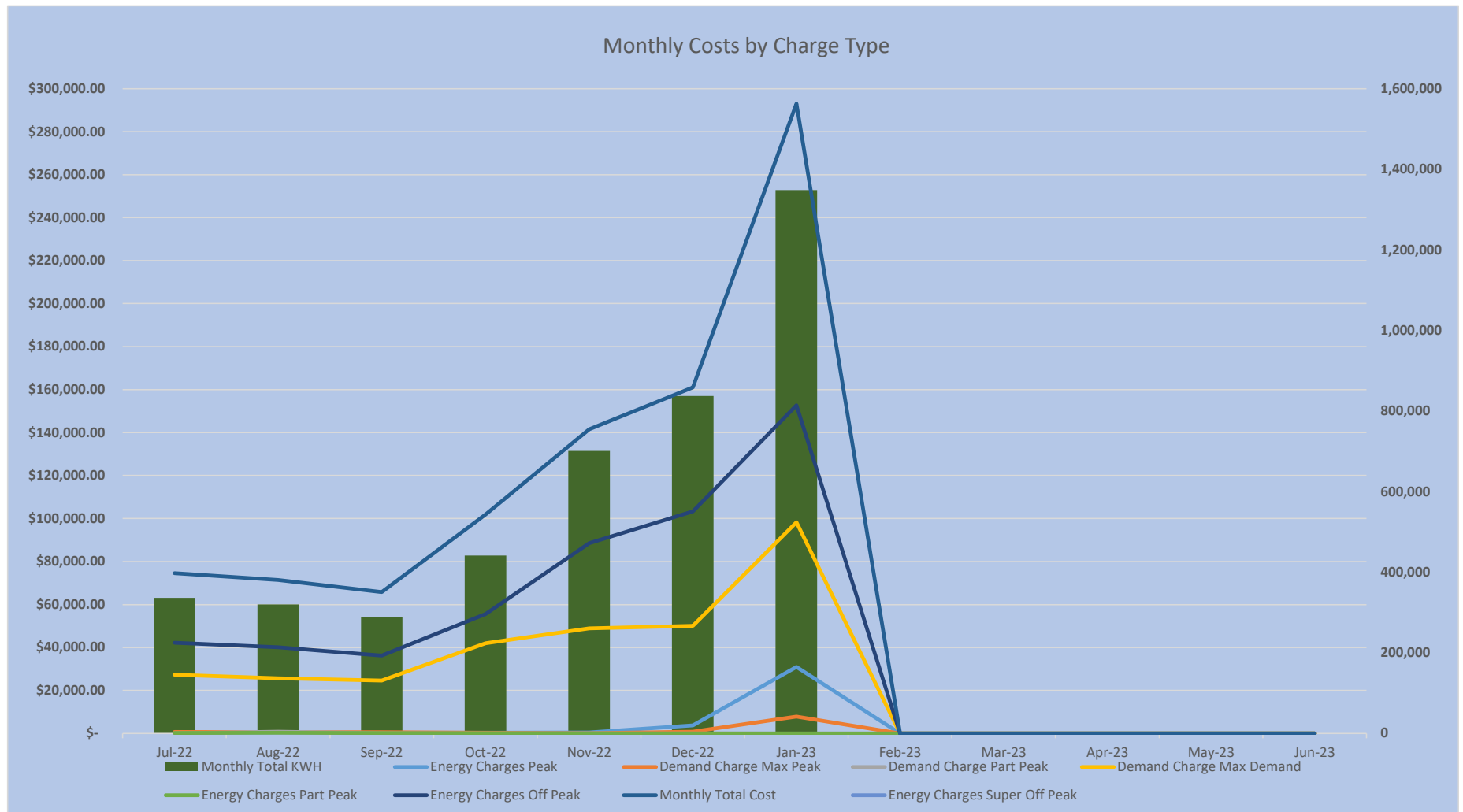
Energy Charges Super Off Peak								Total Monthly Cost	Power Factor Adjustment	Energy Commission Tax	PDP Program Credits	Total Monthly Cost	Total kWh	Average \$/kWh
Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost							
	kWh		\$0.00		kWh			\$0.00				\$1,807.41	0	NA
	kWh		\$0.00		kWh			\$0.00	(\$77.03)	\$42.02	(\$116.60)	\$30,882.43	140062	\$0.22049
	kWh		\$0.00		kWh			\$0.00	(\$68.14)	\$37.18		\$28,070.31	123902	\$0.22655
	kWh		\$0.00		kWh			\$0.00	(\$77.10)	\$42.06		\$34,065.14	140195	\$0.24298
	kWh		\$0.00		kWh			\$0.00	(\$110.34)	\$73.56		\$54,209.68	245189	\$0.22109
	kWh		\$0.00		kWh			\$0.00	(\$96.26)	\$52.51		\$34,895.91	175006	\$0.19940
	kWh		\$0.00		kWh			\$0.00	(\$180.16)	\$154.42		\$ 121,782.78	514735	\$0.23659
	kWh		\$0.00		kWh			\$0.00				\$0.00		#DIV/0!
	kWh		\$0.00		kWh			\$0.00				\$0.00		#DIV/0!
	kWh		\$0.00		kWh			\$0.00				\$0.00		NA
	kWh		\$0.00		kWh			\$0.00				\$0.00		#DIV/0!
	kWh		\$0.00		kWh			\$0.00				\$0.00		#DIV/0!
0			\$0.00	0				\$0.00	(\$609.03)	\$401.75	(\$116.60)	\$305,713.65	1339089	\$0.22830

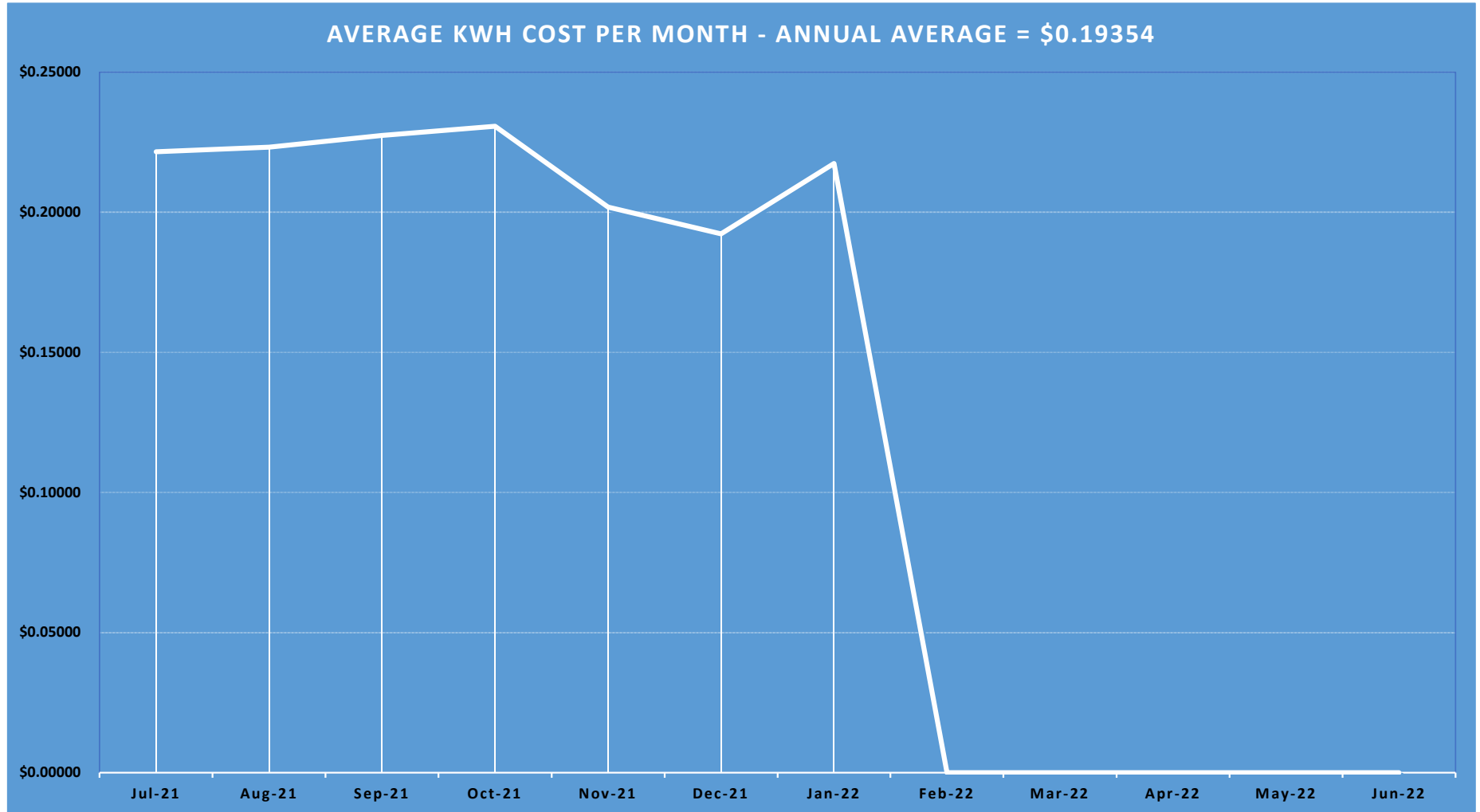
Energy Charges Super Off Peak								Total Monthly Cost	Power Factor Adjustment	Energy Commission Tax	PDP Program Credits	Total Monthly Cost		
Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost							
	kWh	\$	-		kWh	\$	-	\$0.00	(\$168.28)	\$100.97		\$ 72,790.98	336556	\$0.21628
	kWh	\$	-		kWh	\$	-	\$0.00	(\$126.16)	\$54.07		\$ 40,617.73	180226	\$0.22537
	kWh	\$	-		kWh			\$0.00	(\$115.77)	\$49.62		\$37,726.63	165391	\$0.22811
	kWh	\$	-		kWh	\$	-	\$0.00	(\$165.74)	\$90.41		\$ 67,784.16	301346	\$0.22494
	kWh	\$	-		kWh			\$0.00	(\$228.01)	\$136.81		\$87,368.34	456025	\$0.19159
	kWh	\$	-		kWh	\$	-	\$0.00	(\$397.41)	\$198.71		\$ 126,167.54	662353	\$0.19048
	kWh	\$	-		kWh	\$	-	\$0.00	(\$291.70)	\$250.03		\$ 171,298.78	833426	\$0.20554
	kWh	\$	-		kWh			\$0.00				\$0.00		#DIV/0!
	kWh	\$	-		kWh	\$	-	\$0.00				\$ -		#DIV/0!
	kWh	\$	-		kWh			\$0.00				\$ -		#DIV/0!
	kWh	\$	-		kWh			\$0.00				\$ -		#DIV/0!
	kWh	\$	-		kWh			\$0.00				\$ -		#DIV/0!
0			\$0.00	0				\$0.00	(\$1,493.07)	\$880.62	\$0.00	\$603,754.13	2935323	\$0.20569

Energy Charges Off Peak								Total Monthly Cost	Power Factor Adjustment	Energy Commission Tax	PDP Program Credits	Total Monthly Cost	Total kWh	Average \$/kWh
Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost							
0	kWh		\$ -	0	kWh		\$ -	\$0.00	(\$168.28)	\$ 100.97	\$0.00	\$74,598.39	336,556	\$0.22165
0	kWh		\$ -	0	kWh		\$ -	\$0.00	(\$203.19)	\$ 96.09	(\$116.60)	\$ 71,500.16	320,288	\$0.22324
0	kWh		\$ -	0	kWh		\$ -	\$0.00	(\$183.91)	\$ 86.80	\$0.00	\$65,796.95	289,293	\$0.22744
0	kWh		\$ -	0	kWh		\$ -	\$0.00	(\$242.84)	\$ 132.47	\$0.00	\$101,849.30	441,541	\$0.23067
0	kWh		\$ -	0	kWh		\$ -	\$0.00	(\$338.35)	\$ 210.37	\$0.00	\$141,578.02	701,214	\$0.20190
0	kWh		\$ -	0	kWh		\$ -	\$0.00	(\$493.67)	\$ 251.22	\$0.00	\$161,063.45	837,359	\$0.19235
0	kWh		\$ -	0	kWh		\$ -	\$0.00	(\$471.86)	\$ 404.45	\$0.00	\$293,081.52	1,348,161	\$0.21739
0	kWh		\$ -	0	kWh		\$ -	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	0	#DIV/0!
0	kWh			0	kWh			\$0.00	\$0.00	\$ -	\$0.00	\$0.00	0	#DIV/0!
0	kWh			0	kWh			\$0.00	\$0.00	\$ -	\$0.00	\$0.00	0	#DIV/0!
0	kWh			0	kWh			\$0.00	\$0.00	\$ -	\$0.00	\$0.00	0	#DIV/0!
0	kWh			0	kWh			\$0.00	\$0.00	\$ -	\$0.00	\$0.00	0	#DIV/0!
0			\$0.00	0				\$0.00	(\$2,102.10)	\$1,282.37	(\$116.60)	\$909,467.79	4274412	\$0.21277

PG&E Monthly Summary Costs FYE23

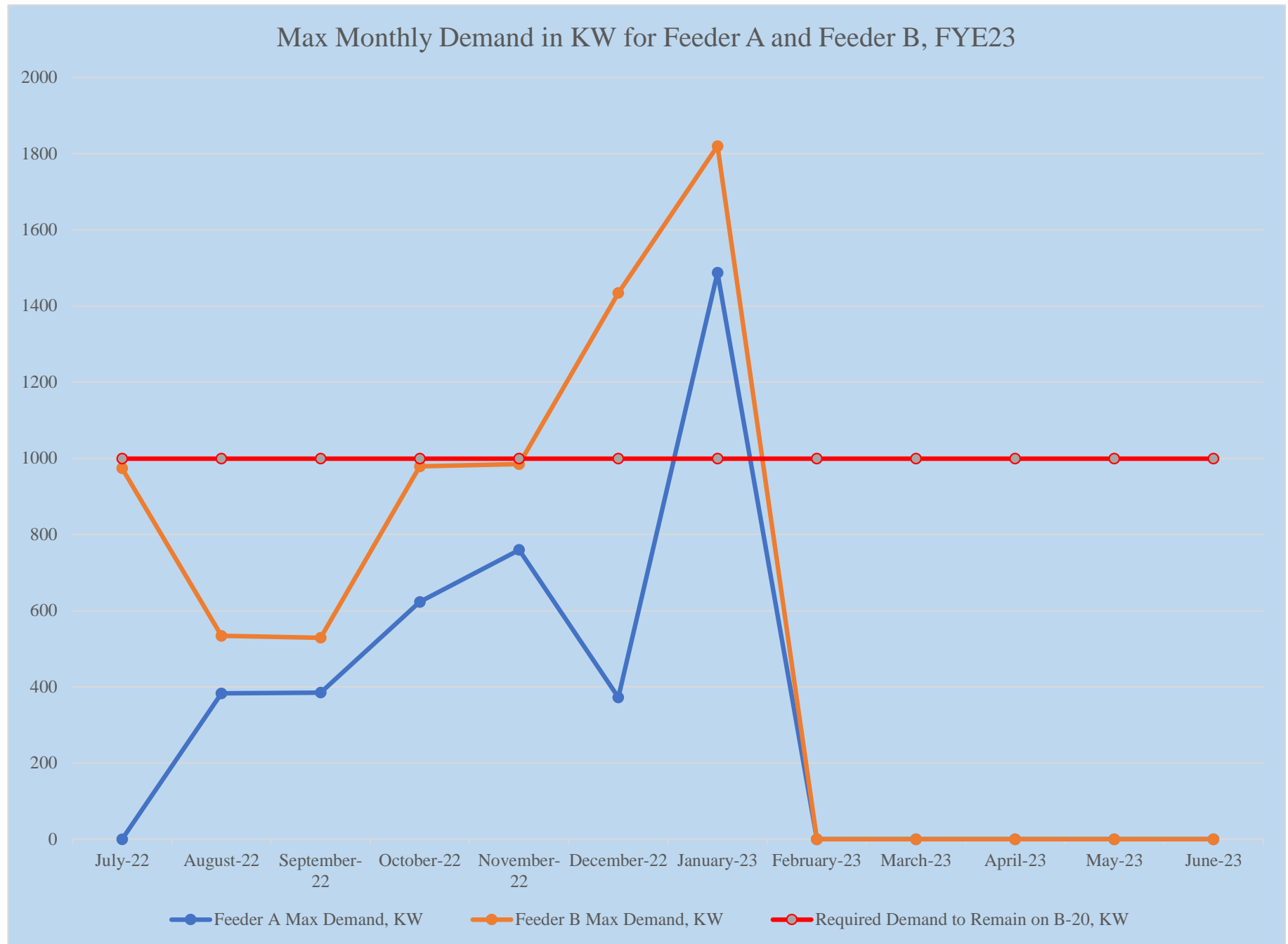
Month	Customer Charge	Demand Charge Max Peak	Demand Charge Part Peak	Demand Charge Max Demand	Energy Charges Peak	Energy Charges Part Peak	Energy Charges Off Peak	Energy Charges Super Off Peak	Power Factor Adjustment	Energy Commission Tax	PDP Program Credits	Monthly Total Cost	Monthly Total KWH	Average KWH Cost
Jul-22	\$3,614.81	\$751.50	\$122.60	\$27,310.96	\$ 323.45	\$250.69	\$42,291.68	\$0.00	(\$168.28)	\$100.97	\$0.00	\$74,598.39	336,556	\$0.22165
Aug-22	\$3,731.42	\$661.32	\$784.64	\$25,712.68	\$ 399.46	\$300.22	\$40,134.12	\$0.00	(\$203.19)	\$96.09	(\$116.60)	\$71,500.16	320,288	\$0.22324
Sep-22	\$3,498.21	\$661.32	\$135.68	\$24,705.11	\$ 393.11	\$277.99	\$36,222.65	\$0.00	(\$183.91)	\$86.80	\$0.00	\$65,796.95	289,293	\$0.22744
Oct-22	\$3,381.62	\$372.82	\$79.06	\$41,984.58	\$ 383.40	\$152.87	\$55,605.32	\$0.00	(\$242.84)	\$132.47	\$0.00	\$101,849.30	441,541	\$0.23067
Nov-22	\$3,731.42	\$73.92	\$0.00	\$48,929.80	\$ 469.99	\$0.00	\$88,500.87	\$0.00	(\$338.35)	\$210.37	\$0.00	\$141,578.02	701,214	\$0.20190
Dec-22	\$3,381.60	\$844.25	\$0.00	\$50,083.31	\$ 3,687.00	\$0.00	\$103,309.75	\$0.00	(\$493.67)	\$251.22	\$0.00	\$161,063.45	837,359	\$0.19235
Jan-23	\$3,462.03	\$7,812.54	\$0.00	\$98,274.74	\$ 30,980.80	\$0.00	\$152,618.79	\$0.00	(\$471.86)	\$404.45	\$0.00	\$293,081.49	1,348,161	\$0.21739
Feb-23	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	#DIV/0!
Mar-23	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	#DIV/0!
Apr-23	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	#DIV/0!
May-23	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	#DIV/0!
Jun-23	\$0.00	\$0.00	\$0.00	\$0.00	\$ -	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	#DIV/0!
Total	\$24,801.11	\$11,177.67	\$1,121.97	\$317,001.18	\$36,637.20	\$981.77	\$518,683.18	\$0.00	(\$2,102.10)	\$1,282.37	(\$116.60)	\$909,467.76	4,274,412	\$0.21277





Month	Feeder A Max Demand, KW	Feeder B Max Demand, KW	Required Demand to Remain on B- 20, KW
July-22	0	974	999
August-22	383	534	999
September-22	385	529	999
October-22	623	979	999
November-22	760	985	999
December-22	372	1434	999
January-23	1487	1820	999
February-23	0	0	999
March-23	0	0	999
April-23	0	0	999
May-23	0	0	999
June-23	0	0	999
(1) No. > 999	1	2	
(2) 3 consecutive months	No	No	

Transfers Off of Schedule B-20: PG&E will review its Schedule E-20 accounts annually. A customer will be eligible for continued service on Schedule B-20 if its maximum demand has either: (1) Exceeded 999 kilowatts for at least 5 of the previous 12 billing months; or (2) Exceeded 999 kilowatts for any 3 consecutive billing months of the previous 14 billing months. If a customer's demand history fails both of these tests, PG&E will transfer that customer's account to service under a different applicable rate schedule.



January 26, 2023

Livermore-Amador Valley Water Management Agency
Mr. Chuck Weir
General Manager
7051 Dublin Boulevard
Dublin, California 94568-3018

Re: 2023-24 Property/Liability Estimates

Dear Mr. Weir,

In preparation for the 2023-24 Property/Liability Program renewal on July 1, 2023, we are providing our program members with a preliminary renewal contribution estimate to help with budget planning for the 2023-24 fiscal year. We will continue to provide updates as we obtain renewal cost information from our program excess/reinsurers over the next few months. **Final contribution amounts will not be confirmed until we issue the 2023-24 renewal invoices in early June.**

Your agency's Property/Liability 2023-24 estimated contribution is **\$108,580 to \$112,041** based on the following assumptions:

- A 8% increase in operating budget from the 2023-24 program year
- Your agency's current exposures and losses currently on record with SDRMA, which include a 7.5% increase to the value of scheduled buildings and 7.5% increase to the value of scheduled contents*
- Pool reinsurance rate increases of 15% to 20% based on early estimates from our reinsurance brokers
- Credit Incentive Program (CIP) points for 2022-23 that your agency may have earned are not yet calculated and, therefore, not considered in this estimate

*Per board policy, SDRMA trends property values based on trending factors published by Marshall & Swift. Marshall & Swift trending factors can represent increases or decreases to property values to reflect inflation of construction, building materials and other costs associated with replacement or repair of damaged property. Trending factors apply to both buildings/structures and contents. Properties added to your policy during the current policy year or appraised within the last year will not be impacted by the trending factors until the next renewal for 2024-25.

This budget estimate is specifically provided to assist you with preliminary budgeting and is NOT a renewal indication, renewal quote, or a “not-to-exceed” contribution. The final renewal contribution amount may be in excess of this estimate depending on the changing conditions of the insurance market over the next few months. Since we do not have the 2023-24 renewal rates from the program excess/reinsurers, we recommend you budget towards the upper end of the range, plus any differences in exposure or losses which have not yet been reported to SDRMA.

Once we receive your agency’s 2023-24 Renewal Questionnaire in February, with updated exposure information, we will distribute an updated renewal estimate in late March. If you make any substantial changes to your policy over the next few months, please contact us memberplus@sdrma.org or 800-537-7790.

If your agency would like to consider other liability limits for the 2023-24 program year, you must notify SDRMA in writing no later than June 1, 2023. We are unable to accommodate changes received after June 1 due to our excess carrier requirements and deadlines. Please email memberplus@sdrma.org for liability limit options.

Members considering withdrawal from coverage with SDRMA for the 2023-24 program year are required to submit a **“Notice of Intent to Withdraw” by April 1, 2023**, in accordance with SDRMA Bylaws and must have completed the initial three full program year commitment period. If you have any questions about withdrawing from our program, please contact Ellen Doughty at edoughty@sdrma.org or 800-537-7790. *Withdrawal notices received after April 1, 2023, cannot be accepted based on the SDRMA Bylaws and Joint Powers Agreement.*

On behalf of the SDRMA Board of Directors and our entire risk management team, we thank you for your continued participation in our programs.

Sincerely,
Special District Risk Management Authority

A handwritten signature in blue ink, appearing to read "Edoughty", is placed below the typed name.

Ellen Doughty, ARM,
Chief Member Services Officer