



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

**Wednesday, August 18, 2021, 6:00 p.m.**

**Due to Shelter in Place Orders, 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/88291240316>**

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

**Meeting ID: 882 9124 0316**

**One tap mobile if using audio only from a telephone and not a computer  
+1 669 900 9128 88291240316# 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.)

## LAVWMA Regular Meeting of August 18, 2021

- Pages 4 – 12**      **6.a. Board Meeting Minutes of May 19 and July 21, 2021**  
(The Board will consider approving the minutes from the May 19, 2021 and the July 21, 2021, Board meetings.)
- Information Page 13**      **7. Financial Reporting for the Fiscal Year Ending June 30, 2021**  
(The Board will review the Financial Reports for the Fiscal Year ending June 30, 2021.)
- Information Pages 14 – 20**      **8. Status Report on LAVWMA Debt Refinancing**  
(The Board will be updated on the status of LAVWMA's debt refinancing.)
- Action Pages 21 – 44**      **9. Modification No. 1 to the Operating and Capital Budget for Fiscal Year 2021/22**  
(The Board will consider approving Modification No. 1 to the Operating and Capital Budget for Fiscal Year 2021/22.)
- Resolution Pages 45 – 47**      **10. Approval of a Resolution Awarding an Agreement for the Purchase of Three Vertical Turbine Pumps to Trillium Pumps USA, Inc.**  
(The Board will consider approving Resolution No. 21-07 Awarding an Agreement for the Purchase of Three Vertical Turbine Pumps to Trillium Pumps USA, Inc.)
- Information Pages 48– 49**      **11. Project Status Reports - Motor Control Center Replacement Project and the San Leandro Sample Station Improvements Project**  
(The Board will receive status reports on two projects at the Export Pump Station.)
- Information Pages 50 – 65**      **12. Update and Response to Various Legal and Legislative Issues**  
(The Board will receive a report regarding proposed legislation and legal developments affecting LAVWMA and its member agencies.)
- Information Pages 66 – 71**      **13. General Manager's Report**  
(The Board will review the General Manager's Report regarding the operations and maintenance of the Agency and its facilities.)
- Information**      **14. 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.)
- 15. Next Regular Board Meeting, Wednesday, November 17, 2021, 6:00 p.m.**

### **IMPORANT NOTICE REGARDING COVID-19 AND TELECONFERENCED MEETINGS:**

Due to shelter in place mandates issued by the Governor in Executive Order 33-20 and the County Public Health Officer, 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. (See Executive Order 29-20)
- 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/88291240316> Meeting ID: 882 9124 0316

For audio only via telephone, dial 1 669 900 9128 then enter the following code 88291240316#

**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](mailto: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.

**Concurrent Comments:** During the meeting, the Board Chair or designee will announce the opportunity to make public comments and identify the cut off time for submission. A short recess (generally less than 5 minutes) will take place during the time public comment is open to allow the comments to be collected, unless it is clear no member of the public is participating. Please email your comments to [info@lavwma.com](mailto: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. Once the public comment period is closed, all comments timely received will be read aloud. Comments received after the close of the public comment period will be added to the record after the meeting.

**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](mailto: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](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.

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**LAVWMA**  
**Livermore-Amador Valley Water Management Agency**

**DRAFT**

**Minutes**

**Regular Meeting of Board of Directors**

**Wednesday, May 19, 2021**

**Due to Shelter in Place Orders, this was a web meeting available to participants and the public through the following link: <https://us02web.zoom.us/j/83531133920>  
6:00 p.m.**

**1. Call to Order**

Chair Ann Marie Johnson called the meeting to order at 6:00 p.m.

**2. Pledge of Allegiance**

**3. Roll Call**

Board Members Present: Chair Ann Marie Johnson; Directors Valerie Arkin, Gina Bonanno, Bob Carling, Arun Goel, and Julie Testa

Board Members Absent: None

Staff Present: General Counsel Alexandra Barnhill, General Manager Chuck Weir, and Treasurer Carol Atwood, DSRSD

Staff Absent: None

Others Present: Jan Lee, DSRSD; Yanming Zhang and Anthony Smith, City of Livermore; Jackie Zipkin, East Bay Dischargers Authority; Robert Porr and Lora Carpenter, Fieldman Rolapp; Chris Lynch, Jones Hall; Eric McKean, Steifel

Introductions

Introductions were made.

**4. Order of Agenda**

There were no changes to the order of the agenda.

**5. Comments from the Public**

There were no comments from the public.

**6. Consent Calendar**

a. Minutes of February 17, 2021 LAVWMA Board Meeting

**Director Testa motioned, seconded by Director Bonanno 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. Annual Board Rotation – Elect Chair and Vice Chair for FY2021/22**

**Director Testa nominated, seconded by Director Arkin, Vice Chair Johnson to be Chair for FY2021/22.**

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

**Director Bonanno nominated, seconded by Director Goel, Director Testa to be Vice Chair for FY2021/22.**

There were no comments from the public. The Motion passed unanimously (6-0) by a roll call vote. General Manager Weir noted that due to the stepping down of Past Chair Woerner both positions take effect immediately.

## **8. Financial Reporting for the Fiscal Year Ending June 30, 2020**

Treasurer Atwood discussed the financial statements and noted that expenses were tracking as expected. Power charges are up due to PG&Es new rate structure. Operational agreement and professional services expenses are higher than normal due to the EBDA negotiations and the NPDES permit renewal. Insurance cost trends increasing are also industry wide. Treasurer Atwood also noted that there was in inadvertent overbilling that would be corrected.

There were no comments from the public. This was an information item requiring no action by the Board.

## **9. Status Report on LAVWMA Debt Refinancing**

Treasurer Atwood discussed LAVWMA's debt and the process for refunding the debt to obtain a lower interest rate. As of April 21, 2021, our financial advisors, Fieldman Rolapp & Associates, were projecting a net present value savings of \$12.4 million, or 19.3%. The process will take approximately 3-4 months and will be coordinated by DSRSD. The cities of Livermore and Pleasanton will also be involved. The refunding requires the Board to adopt a Debt Management Policy and a Disclosure Policies and Procedure which are included in this packet as Agenda Item Nos. 10, and 11, respectively. Treasurer Atwood recommended approval of both policies

Robert Porr described the Debt Management Policy and the reasons for it. Board members asked several questions related to the current debt. Staff responded that: 1) there is no other debt; 2) all of the current bonds will be called and refinanced; 3) consultant and related costs, approximately \$500,000, are factored into the new debt; 4) everything in the document is true and all the projects mentioned have been completed and this is just a refinancing of existing debt to lower the interest rate and thus reduce the total cost of the debt; and 5) no equity is being taken out as a result of the refunding.

Chris Lynch described the Disclosure Policies and Procedures and the next steps for implementation of the policy, which will occur at the continuation of this Board meeting on July 21, 2021. Chair Johnson asked if the policy requires that the bonds be refinanced. Mr. Lynch stated that the policy only applies if the debt is refinanced. Treasurer Atwood reminded the Board of the three options that were considered. Scenario 1, which is term to term refunding with level annual payments was the most cost effective and is the one that is being pursued.

There were no comments from the public. This was an information item requiring no action by the Board.

**10. Resolution Approving a Debt Management Policy**

There Board reviewed the reasons for the Debt Management Policy that were discussed under Agenda Item No. 9.

**Director Goel motioned, seconded by Director Bonanno to approve Resolution No. 21-02 Approving a Debt Management Policy.**

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

**11. Resolution Approving a Disclosure Policies and Procedures**

There Board reviewed the reasons for the Disclosure Policies and Procedures that were discussed under Agenda Item No. 9.

**Director Goel motioned, seconded by Director Arkin to approve Resolution No. 21-03 Approving Disclosure Policies and Procedures.**

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

**12. LAVWMA Quarterly Reports of Operations, 3rd Quarter, FY2020-2021**

General Manager Weir noted that this is the last meeting for DSRSD Wastewater Operations Superintendent Levi Fuller, who is retiring after twenty years of dedicated service to DSRSD and LAVWMA. Mr. Weir and the Board thanked Mr. Fuller for his service. General Manager Weir reviewed the contents of the report for the benefit of the new Board members. He noted that he had an earlier Zoom discussion with Director Bonanno regarding pumping efficiency and how it is dependent not only on the flow, but which pumps are used at any given time. He also complimented DSRSD staff for their response to implementing the new PG&E time of use requirements, where no pumping occurs between the 4:00 to 9:00 p.m. during the peak period for PG&E.

In addition, Mr. Weir encouraged Board members to send him their availability and he would schedule tours or the facilities for them.

There were no comments from the public. This was an information item requiring no action by the Board.

**13. Proposed Operating and Capital Budget for Fiscal Year 2021/22**

General Manager Weir described the budget, including PG&E costs, EBDA costs, insurance increases, and the reasons for continued effort in the administration areas to review and revise long term agreements and planned capital projects. Director Bonanno asked if there was a reserve policy, and if not, should there be one. Both General Manager Weir and General Counsel stated that they could not recall a reserve policy. Mr. Weir stated that he would discuss this issue with members of the Staff Advisory Group and determine if a policy was needed and, if one is developed, it will be placed on a future agenda for discussion and direction or possible action.

**Director Bonanno motioned, seconded by Director Testa to approve the Operating and Capital Budget for Fiscal Year 2021/22.**

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

**14. Approval of Amended and Restated Master Agreement between East Bay Dischargers Authority and Livermore-Amador Valley Management Authority**

General Manager weir discussed the process that resulted in the agreement to be considered by the Board this evening. He thanked the Board, the Ad Hoc Committee, and the other negotiating team members (Alexandra Barnhill and Jan Lee) for their efforts. EBDA General Manager Jackie Zipkin commented that the EBDA Ad Hoc Committee is recommending approval of the agreement by the EBDA Commission at their meeting tomorrow morning. She thanked the group for the positive working relationships and looks forward to another twenty years of collaboration. General Counsel Barnhill commented that this was designed to make minimal changes and work from the existing agreement. General Manager Weir noted that there is one minor change to the to delete word “quarterly” from last page of agreement to achieve consistency with the remainder f the agreement regarding invoicing.

**Director Testa motioned, seconded by Director Goel to approve Resolution No. 21-04 Approval of Amended and Restated Master Agreement between East Bay Dischargers Authority and Livermore-Amador Valley Management Authority with the minor edit as described.**

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

**15. Approval of Amendment No. 1 to the Agreement for Maintenance of LAVWMA Facilities with DSRSD**

General Manager weir discussed the history of how this issue came to our attention during the negotiations with EBDA, capacity needs, and DSRSD’s operations responsibilities. General Counsel Barnhill explained the intent behind the amendment to properly allocate liability.

**Director Bonanno motioned, seconded by Director Arkin to approve Resolution No. 21-05 Approval of Amendment No. 1 to the Maintenance of LAVWMA Facilities with DSRSD.**

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

**16. Project Status Reports – Risk Analysis of the Pump Station / Failure Analysis of the Forcemain System and Engineering Services for the Motor Control Center Replacement Project**

Mr. Weir discussed both projects in some detail for the benefit of the new Board members. The MCC replacement project is proceeding on schedule. Mr. Weir then discussed the pump station risk analysis project and noted that it has been completed and all report have been received and shared with the member agencies. One of the recommendations is to continue inspection of the pipeline such that a complete inspection can be completed in five years. He also noted that there is one category 4 area that will be repaired in the new fiscal year at an estimated cost of \$40,000.

There were no comments from the public. This was an information item only requiring no action by the Board.

**17. Update and Response to Various Legal and Legislative Issues**

Mr. Weir and Ms. Barnhill highlighted several legislative and legal issues described in the report as presented by CASA. The Governor's revised budget includes funding for water and wastewater projects. A continuing drought emergency status will encourage recycled water and potential toilet to tap projects. Additional items of interest included legislation related to disposable wipes and a bill that would allow wastewater treatment plants to accept and treat dry weather runoff. Ms. Barnhill noted that it is early in the legislative session and that additional information would be presented at future meetings. She also discussed the procedure that allows LAVWMA to comment on critical pieces of legislation that may require action between LAVWMA's regular meetings. Board members were particularly interested in all items dealing with PFAS as this issue will likely impact both water and wastewater agencies.

There were no comments from the public. This was an information item only requiring no action by the Board.

**18. General Manager's Report**

Mr. Weir referred to the list of issues and activities in his report. Based on a question from Chair Johnson he noted a typo and that the records management project has been completed. He also highlighted the recently approved renewal of the NPDES permit and draft job description as part of the succession planning process.

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

**19. Matters From/For Board Members**

There were no matters from the Board. Staff acknowledged the reserve policy issue and will bring that to a future Board meeting.

**20. Next Regular Board Meeting, Wednesday, August 18, 2021 at 6:00 p.m.** The meeting will likely still be a Zoom meeting.



**21. Order of Adjournment to Wednesday, July 21, 2021, 6:00 p.m.**

There being no further action, Chair Johnson adjourned the meeting at 7:31 p.m. to a date certain, July 21, 2021 at 6:00 p.m.

Minutes Approved by the Board \_\_\_\_\_.

Charles V. Weir  
General Manager

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**LAVWMA**  
**Livermore-Amador Valley Water Management Agency**

**DRAFT**

**Minutes**

**Adjourned Regular Meeting of Board of Directors**

**Wednesday, July 21, 2021**

**Due to Shelter in Place Orders, this was a web meeting available to participants and the public through the following link: <https://us02web.zoom.us/j/83531133920>  
6:00 p.m.**

**1. Call to Order**

Chair Ann Marie Johnson called the meeting to order at 6:01 p.m. She announced that this meeting was a continuation of the adjourned meeting from May 19, 2021.

**2. Pledge of Allegiance**

The Pledge of Allegiance was conducted.

**3. Roll Call**

Board Members Present: Chair Ann Marie Johnson; Directors Valerie Arkin, Gina Bonanno, Arun Goel, and Julie Testa

Board Members Absent: Bob Carling

Staff Present: General Counsel Alexandra Barnhill, General Manager Chuck Weir, Treasurer Carol Atwood, DSRSD, and Jeff Carson, DSRSD Operations Director

Staff Absent: None

Others Present: Yanming Zhang, City of Livermore; Robert Porr, Fieldman Rolapp; Chris Lynch, Jones Hall; Eric McKean, Stifel

Introductions

Introductions were made.

**4. Order of Agenda**

There were no changes to the order of the agenda.

**5. Comments from the Public**

There were no comments from the public.

**6. Adopt Resolution Authorizing the Issuance of 2021 Sewer Revenue Refunding Bonds; Authorizing and Directing Execution of an Indenture of Trust, Second Amended and Restated Sewer Service Contract, Escrow Deposit and Trust Agreement and Bond**

**Purchase Agreement; Authorizing the Negotiated Sale of Bonds; Approving an Official Statement; and Authorizing Related Documents and Actions.**

General Manager Weir and Treasurer Atwood reminded the Board of the various issues related to the refunding of the 2011 Bonds and that due to requirements that the recommended actions must occur during a Regular Board meeting, this meeting is a continuation of the adjourned May 19, 2021 Board meeting. Treasurer Atwood introduced the refunding team: Robert Porr, Fieldman Rolapp & Associates, the Municipal Advisor; Chris Lynch, Jones Hall, the Bond Counsel and Disclosure Counsel, and Eric McKean, Stifel, the Underwriter. The team used a PowerPoint presentation to highlight the various documents in the packet and the recommended Board Actions.

Mr. Poor discussed the purpose of the recommended actions, which is to refinance the Series 2011 bonds. Those bonds have an interest rate of between 3.5% to 5.0% and have a par value of approximately \$64.4 Million. Market conditions are such that new bonds would have an interest rate of 1.0% or less. The total estimated ten-year savings is over \$12 million. Mr. Porr highlighted the savings over time and the savings for each of the Member Agencies.

Eric McKean discussed current market conditions for municipal tax exempt bonds. He noted trends of ten-year bonds hovering around 1.0% and that municipal bonds continue to see high inflows for the market to consider. The four-week moving average is \$1.7 Billion coming into the market. All of this is good news for LAVWMA.

Chris Lynch described the various documents and actions under consideration by the Board. They include the following:

1. Indenture of Trust – defines the 2021 bonds in terms of principal, interest rate and pledged revenues from the Member Agencies to make payments on the Bonds.
2. Second Amended and Restated Sewer Service Contract – member agencies agree to pay LAVWMA O&M and 2021 bond costs.
3. Bond Purchase Agreement – establishes terms and conditions for the purchase of the bonds by Stifel.
4. Escrow Deposit and Trust Agreement – directs US Bank as the 2011 trustee to use 2021 Bond proceeds to redeem the 2011 Bonds.
5. Preliminary Official Statement (POS) – this is the disclosure document for investors that describes the 2021 Bonds, pledged revenues, risk factors, details information about LAVWMA and the Member Agencies, all of which are subject to federal law.
6. Continuing Disclosure Certificate – LAVWMA agrees to annually update financial and operating information and notice of certain events.
7. Approves agreements with financing team.
8. Authorizes necessary actions and documents to issue the 2021 Bonds.

Mr. Lynch also highlighted the current schedule, which is scheduled to be completed in September 2021.

Director Bonanno asked a question about the schedule that was answered by Mr. Porr.

**Director Bonanno motioned, seconded by Director Goel, that the Board approve Resolution 21-06: 1) Authorizing issuance of the 2021 Bonds; 2) Authorizing and directing execution of: (a) an Indenture of Trust, (b) a Second Amended and Restated Sewer Service Contract, (c) an Escrow Deposit and Trust Agreement, and (d) a negotiated sale of the 2021 Bonds to Stifel, Nicolaus & Company, Incorporated, as Underwriter, pursuant to a Bond Purchase Agreement; 3) Authorizing the negotiated sale of the 2021 Bonds; 4) Approving an Official Statement; 5) Approving a Continuing Disclosure Certificate; 6) Approving the appointment of Bond Counsel, Disclosure Counsel, and Municipal Advisor; and 6) Approving and directing the Chair, General Manager; and 7) any and all other officers of LAVWMA to take any and all actions as may be reasonably necessary related to the issuance and sale of the 2021 Bonds.**

There were no comments from the public. The Motion passed unanimously (5 – 0) by a roll call vote.

#### **7. Matters From/For Board Members**

There were no matters from the Board. Staff acknowledged the reserve policy issue and will bring that to a future Board meeting.

**8. Next Regular Board Meeting, Wednesday, August 18, 2021, at 6:00 p.m.** The meeting will likely still be a Zoom meeting.

#### **9. Adjournment**

There being no further action, Chair Johnson adjourned the meeting at 6:26 p.m.

Minutes Approved by the Board \_\_\_\_\_.

Charles V. Weir  
General Manager

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## **ITEM NO. 7 FINANCIAL REPORTING FOR THE FISCAL YEAR ENDING JUNE 30, 2021**

### **Action Requested**

None at this time.

### **Summary**

Fiscal Year ending June 30, 2022 has just started and there is no report at this time. Due to the extraordinary effort required for the refunding project as well as closeout of the prior year and starting the new fiscal year, a financial report for the Fiscal Year ending June 30, 2021 is not yet available. Reports for both years will be provided at the November 17, 2021 meeting. The financial audit for FYE21 will also be provided at that time. However, the preliminary O&M expenses for FYE21 are summarized below.

<b>Item</b>	<b>Year to Date</b>	<b>Budget</b>	<b>Percent of Budget</b>
O&M Labor	\$873,095	\$1,010,492	86.40%
O&M Expenses (supplies, utilities, etc.)	\$1,494,957	\$1,577,280	94.78%
Lab Analysis	\$31,541	\$30,300	104.10%
<b>Total O&amp;M</b>	<b>\$2,399,593</b>	<b>\$2,618,072</b>	<b>91.65%</b>
EBDA Expenses	\$811,578	\$802,000	101.19%
General Management Expenses (GM, legal, permits, insurance, support services, etc.)	\$463,929	\$468,596	99.00%
<b>Total</b>	<b>\$3,675,100</b>	<b>\$3,888,668</b>	<b>94.51%</b>

There are no issues of concern with FYE21 expenses. Total capital project costs including labor are \$943,463. The capital project budget for FYE21 is \$4,446,000. Expenses are less than budget since several major projects will span at least two fiscal years.

### **Attachments**

None

## **ITEM NO. 8 STATUS REPORT ON LAVWMA DEBT REFINANCING**

### **Action Requested**

None at this time

### **Summary**

At the July 26, 2021 Board meeting, which was adjourned from the May 19, 2021 Board meeting, the Board approved Resolution No. 21-06, a Resolution 1) Authorizing Issuance of the 2021 Bonds; 2) Authorizing and Directing Execution of: (A) An Indenture of Trust, (B) A Second Amended and Restated Sewer Service Contract, (C) An Escrow Deposit and Trust Agreement, and (D) A Bond Purchase Agreement; 3) Authorizing the Negotiated Sale of the 2021 Bonds; 4) Approving an Official Statement; 5) Approving a Continuing Disclosure Certificate; 6) Approving the Appointment of Bond Counsel, Disclosure Counsel, and Municipal Advisor; and 7) Approving and Directing the Chair, General Manager, and any and all other Officers of LAVWMA to Take any and all Actions as may be Reasonably Necessary Related to the Issuance and Sale of the 2021 Bonds. Since the last meeting, Standard and Poor's issued a bond rating of AA for the bonds. In addition, the Preliminary Official Statement (POS) as well as agreements and related documents were revised and updated numerous times.

The POS was posted to the MuniOS website on Tuesday, August 3, 2021. A copy of the notice is included as **Attachment No. 8a**. The POS itself is a 764 page document. It includes updates on various tables as well as the FYE20 financial audits for all agencies. The entire process is on schedule and should be completed in September 2021. All four agencies approved resolutions authorizing participation in the sale of the bonds. A copy of the schedule is included below:

<b>Date</b>	<b>Description of Activity</b>
July 20, 2021	DSRSD and Pleasanton adopt Resolutions authorizing participation in sale of 2021 Bonds and approving legal and disclosure documents
July 21, 2021	LAVWMA adopts Resolution authorizing sale of 2021 Bonds and approving legal and disclosure documents
July 26, 2021	Livermore adopts Resolution authorizing participation in sale of 2021 Bonds and approving legal and disclosure documents
August 3, 2021	Execution of Bond Purchase Agreement
August 11, 2021	Bond Sales
August 17, 2021	Bond Closing
September 16, 2021	Proceeds used to call 2011 Bonds

Several prepricing Zoom meetings were held with the refinancing team on August 9 and 10, 2021. During those meetings, the asking price for the bonds was set. On August 11, 2021, the bonds were put up for sale. Bond pricing went well and LAVWMA received the yields

Agenda Explanation  
Livermore-Amador Valley  
Water Management Agency  
Board of Directors  
August 18, 2021

anticipated during the prepricing calls. There were twenty-two institutional accounts bid plus retail accounts including Blackrock at \$37M and Gurtin/PIMCO at \$33M. Every maturity was oversubscribed, from 2.6 times to 7.6 times, so the consultants went back to the investors to propose a slight reduction in basis points (interest rate) for each of the 10 years. The final result is that on a cash flow basis, LAVWMA will save \$14,214,819 in interest over the ten year life of the bonds. This is substantially more than the \$12,849,244 estimated at the July 26, 2021 Board meeting. There is an increase of \$1,365,575 in additional savings for the member agencies. The final summary of the bond sales and savings is shown in **Attachment No. 8.b**. One of the comparable sales was a nearly \$100M sale for Union Sanitary District (USD, a member of EBDA), which was rated AAA, as compared to LAVWMA's AA rating. LAVWMA received essentially the same interest rate as USD.

**Recommendation**

None at this time.

**Attachments**

Attachment No. 8.a, Preliminary Offering Statement Notice

Attachment No. 8.b, Final Cash Flows

**From:** [MuniOS Notification](#)  
**To:** [weir@lavwma.com](mailto:weir@lavwma.com)  
**Subject:** Preliminary Official Statement (Livermore-Amador Valley Water Management Agency)  
**Date:** Tuesday, August 3, 2021 11:07:56 AM



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## PRELIMINARY OFFICIAL STATEMENT

\$55,915,000\*

LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY  
2021 SEWER REVENUE REFUNDING BONDS

[View Offering](#)

**Stifel, Nicolaus & Company, Incorporated**

*\* Preliminary; subject to change.*

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## **Final Savings Summary**

**Livermore-Amador Valley  
Water Management Agency**

**2021 Sewer Revenue**

**Refunding Bonds**

*August 12, 2021*

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## Savings Progression

Savings Progression (Agency Board Meeting to Final Pricing)			
	<b><u>Estimates to Council/Board<sup>1</sup></u></b>	<b><u>Preliminary Pricing</u></b>	<b><u>Final Pricing</u></b>
Date of Analysis	July 21	August 10	<b>August 11</b>
Underlying Rating	AA	AA	<b>AA</b>
Par Amount	\$55,995,000	\$54,935,000	<b>\$54,790,000</b>
True Interest Cost	0.95%	0.69%	<b>0.65%</b>
\$ NPV Savings	\$12,271,010	\$13,568,035	<b>\$13,775,080</b>
% NPV Savings	19.05%	21.06%	<b>21.38%</b>
<b>Cash Flow Savings</b>			
Avg. Annual Cash Flow Savings	\$1,168,113	\$1,276,073	<b>\$1,292,256</b>
Total Cash Flow Savings	\$12,849,244	\$14,036,806	<b>\$14,214,819</b>

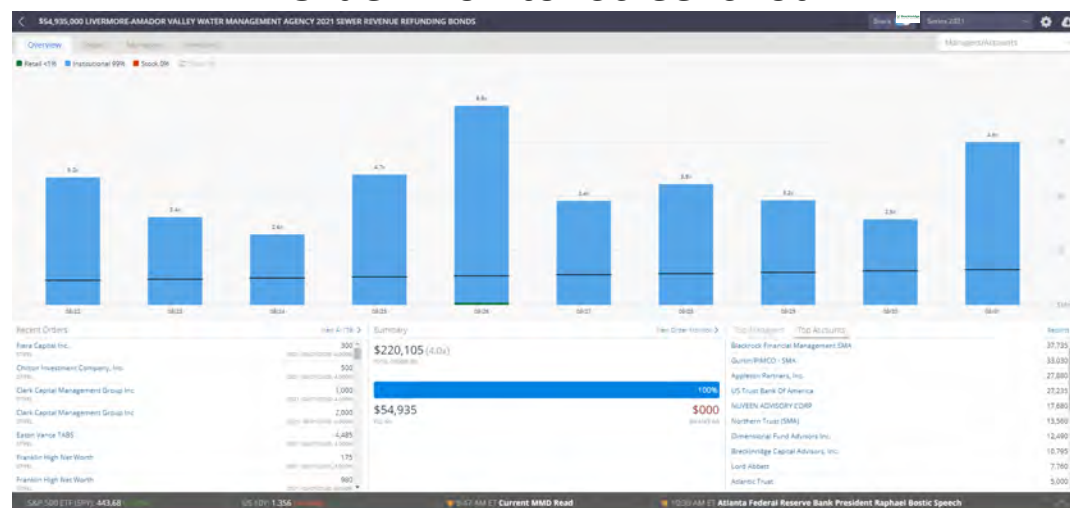
1. Included a nominal cushion in interest rates for market volatility. Market conditions continued to improve from the Board meeting to pricing day.

# Summary of Order Period and Investor Participation

## LAVWMA's Bonds Were Well Received by Prominent Investors

- 23 unique investors placed 85 orders totaling nearly \$244 million
- There were **4.4x** as many orders than bonds available
- The large amount of orders allowed Stifel to further decrease yields by an additional 3-7 basis points
- LAVWMA achieved a true interest cost (APR) of **0.65%** for the 10-year financing

## Order Monitor Screenshot



## Top 10 Orders for LAVWMA's 2021 Bonds

Investor	Order Amount
Blackrock	\$37,665,000
PIMCO	32,945,000
Appleton Partners	27,810,000
US Trust Bank Of America	27,165,000
JP Morgan Asset Management	24,030,000
Nuveen	17,630,000
Northern Trust	13,545,000
Dimensional Fund Advisors	12,460,000
Breckinridge Capital Advisors	10,780,000
Lord Abbett	19,740,000

**BlackRock**


**Dimensional**  
 DIMENSIONAL FUND ADVISORS LTD.

**U.S. TRUST**  
 Bank of America Private Wealth Management

**J.P.Morgan**  
 Asset Management


**APPLETON**  
 PARTNERS, INC.  
**nuveen**  
 A TIAA Company

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## **ITEM NO. 9 MODIFICATION NO. 1 TO THE OPERATING AND CAPITAL BUDGET FOR FISCAL YEAR 2021/22**

### **Action Requested**

Approval Modification No. 1 to the Operating and Capital Budget for Fiscal Year 2021/22

### **Summary**

The FYE22 Budget includes a capital project for the purchase of three new 500 HP vertical turbine pumps as well as rebuilding the associated motors driving the pumps. The project has a value of \$216,000. Unfortunately, that value dates back to three years ago and was originally intended for the rebuild of the three pumps. However, the damage to the pumps made rebuilding them impractical. The cost of the three new pumps purchased in 2016 was \$222,000. Rebuilding the first motors in 2017 was \$15,000 each. The total 2017 cost was \$267,000. Adjusting for inflation would result in an estimated cost of \$320,000, which is closer to where we are currently.

A bid packet for the purchase of three new pumps was released on July 6, 2021. The due date for bids was August 5, 2021. Four bids were received prior to the deadline. A virtual Zoom bid opening was held that afternoon. The results of the bids are summarized below:

<b>Bidder</b>	<b>Time Submitted</b>	<b>Pump Manufacturer</b>	<b>1. Base Bid</b>	<b>2. Bid Alternate #1</b>	<b>2. Bid Alternate #2</b>
Trillium Pumps USA, Inc., aka Floway Pumps	10:02 a.m. and 11:11 a.m.	Trilium Pumps USA, Inc.	\$357,057.00	\$12,333.00	\$35,232.00
Flo-Line Technology, Inc.	11:51 a.m.	Johnson / Sulzer	\$941,200.00	\$50,000.00	\$33,000.00
Peerless Pump Co. in care of MuniQuip LLC	2:47 p.m.	Peerless Pump Company	\$444,509.00	\$26,370.00	\$52,740.00
Xylem-Goulds Water Technology - c/o R. R. MacDonald Co.	3:06 p.m.	Xylem - Goulds Water Technology	\$414,892.00	\$10,415.00	\$17,360.00

Agenda Explanation  
Livermore-Amador Valley  
Water Management Agency  
Board of Directors  
August 18, 2021

The Base bid is used to determine the lowest responsive, responsible bidder. The bid documents require a one year warranty. Bid Alternate #1 provides for a three year warranty and Bid Alternate #2 provides for a five year warranty. Each bidder was required to provide five references of similar pumps. The references for Trillium / Floway have been contacted and those that responded gave excellent reviews of their products and services. The factory is in Fresno, which will make test witnessing very manageable.

It is difficult to determine why the bids are so much higher than expected. Possible reasons include labor shortages due to COVID-19 and the high cost of materials to manufacture the pumps. LAVWMA needs pumps with a particular type of stainless steel to withstand chlorinated effluent as well as to prevent pitting from sand and other abrasive materials that build up in the effluent primarily from goose and other waterfowl droppings in the storage basins. This stainless steel is not a standard item, which increases the costs.

Based on the references for Trillium / Floway and past experience with them from the design engineer, the additional warranty may not be needed. However, the five-year warranty cost is being included in the total project cost. A decision on whether or not to add the warrant will be made at a later date.

Rebuilding a 500 HP motor cost approximately \$15,000 three years ago. To be on the safe side an estimate of \$20,000 is being used to determine the new project cost. Only two motors need to be rebuilt since a new motor had to be purchased to replace one that was damaged beyond repair when a check valve failed causing Pump No. 10 to run backwards, which damaged both the pump and the motor.

With all factors considered, the total new project cost is summarized below:

<b>Item</b>	<b>Cost</b>
Three pumps from Trillium / Floway	\$357,057
Five Year Warranty	\$35,232
Rebuild two motors	\$40,000
DSRSD Labor Costs (pump and motor removal and replacement plus admin) Estimated 120 hours	\$24,000
<b>Total Cost</b>	<b>\$456,289</b>

Including a small contingency results in a total project cost of \$460,000 to be included in the revised budget. No other changes are being recommended in this budget modification.

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Agenda Explanation  
Livermore-Amador Valley  
Water Management Agency  
Board of Directors  
August 18, 2021

**Recommendation**

It is recommended that the Board approve Modification No. 1 to the Operating and Capital Budget for Fiscal Year 2021/22 to increase the pump purchase and motor rebuild project cost from \$216,000 to \$460,000.

**Attachments**

Attachment No. 9, Modification No. 1 to the Operating and Capital Budget for Fiscal Year 2021/22.



# **LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY OPERATING AND CAPITAL BUDGET**

## **MODIFICATION NO. 1**

## **FISCAL YEAR 2021/22**

**Approved by the LAVWMA Board \_\_\_\_\_**



## LAVWMA FY2021/22 Budget

**LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY  
OPERATING AND CAPITAL BUDGETS  
FISCAL YEAR 2021/22**

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## LAVWMA FY2021/22 Budget

**LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY  
OPERATING AND CAPITAL BUDGETS  
FISCAL YEAR 2021/22**

**EXECUTIVE SUMMARY**

**OPERATING BUDGET**

The proposed operating budget of \$3,610,480 is a 3.65% increase from the FY2020/21 budget. The total revenue requirement of \$12,010,455 is a 1.02% increase from the FY2020/21 budget. Debt service payments consist of \$2,436,792 for the Repair Project, \$5,563,183 for the Expansion Project for a total of \$8,399,975. It should also be noted that the DSRSD proposed budget for LAVWMA proposes a modest 2% decrease for operations and maintenance. DSRSD costs were typically well below estimates such that LAVWMA's budget was less than their projections. DSRSD's current proposed budget is less conservative than in the past such that LAVWMA's budget will be closer to DSRSD's proposal.

The FY2020/21 Budget includes a few items that exceeded the approved budget including:

- PG&E power will be above budget based on projections for the first nine months of the year. However, low rainfall, water recycling, and the new time of use schedule may result in lower costs than projected.
- Labor will be above budget due to a number of projects and maintenance activities that were required this year.
- Management expenses will be above budget due to the number of capital projects, flow modeling for the EBDA agreement, EBDA negotiations, NPDES permit renewal, amendment to the maintenance agreement with DSRSD, and numerous contracts for projects.

The total EBDA O&M budget of \$839,880 is 4.73% above last year. In addition to the increase of approximately \$150,000 annually for the new Master Agreement, the increase is largely due to an increase in the NPDES permit fee and studies for the nutrient permit. LAVWMA owns 19.72 MGD of EBDA's 189.1 MGD capacity, or 10.43%. With the new Master Agreement the fixed cost will increase 18.6% to 26.1%. Costs for EBDA are based on fixed and variable (flow based) percentages. The flow-based percentage is currently 16.24% as compared to 17.9% last year. It is in LAVWMA's best interests to reduce variable costs through a combination of reducing flows through water recycling and flow management during wet weather. The EBDA Master Agreement has been extended through June 30, 2021. EBDA and LAVWMA have agreed to a term sheet for a new agreement. An Amended and Revised Master Agreement is going before both Boards for approval the week of May 17, 2021. EBDA costs for FY21/22 are now based on the new Master Agreement.

The proposed FY2021/22 operating budget considers projected FY2020/21 expenditures and is largely based on the detailed budget prepared by DSRSD pursuant to the Maintenance Agreement, copy attached. FY2020/21 O&M expenditures are projected to be above the approved budget by approximately 2.4%. This is primarily due to the increased costs for DSRSD labor and administrative costs as previously noted. The proposed budget includes no increase in

## LAVWMA FY2021/22 Budget

PG&E costs. The annual reconciliation process will collect any shortfall from the member agencies. Significant water recycling efforts in the service area are continuing and should increase over time, which will help to offset PG&E rate increases. Increased pumping efficiency will also help to offset rate increases. A new time of use rate structure that became effective in March 2021 could also prove beneficial. DSRSD staff has responded well to the new time of use schedule.

DSRSD's costs reflect a 2.75% cost of living adjustment. Other Fixed costs have been adjusted based on actual expenditures and anticipated needs for next year. Additional information is included in the remainder of the budget report.

Items that are increasing in the FY2021/22 Budget include the following:

- DSRSD labor, 11.23%, due to the number of projects being undertaken and to more closely coincide with DSRSD's projections.
- EBDA O&M costs due to the new Master Agreement, permit fees, and regional monitoring program costs.
- Monitoring and testing due to implementation of the new NPDES permit, which will require more frequent monitoring for ammonia, and the need for the lab to obtain certification for the E. coli test.
- Management, Legal, and Treasurer costs due to the refunding, capital project management and contract preparation, and a thorough review of both the maintenance agreement and the Joint Powers Agreement. Both date to 1979 and have not been reviewed in many years.

Items that are decreasing in the FY2021/22 Budget include the following:

- Contractual services since the NPDES permit has been renewed and there is no need for technical assistance for the next four years.
- Services and supplies under Administration are decreasing since the vacant Administrative Assistant position has not been filled due to COVID-19, the completion of the website upgrade, and the completion of the records management project.

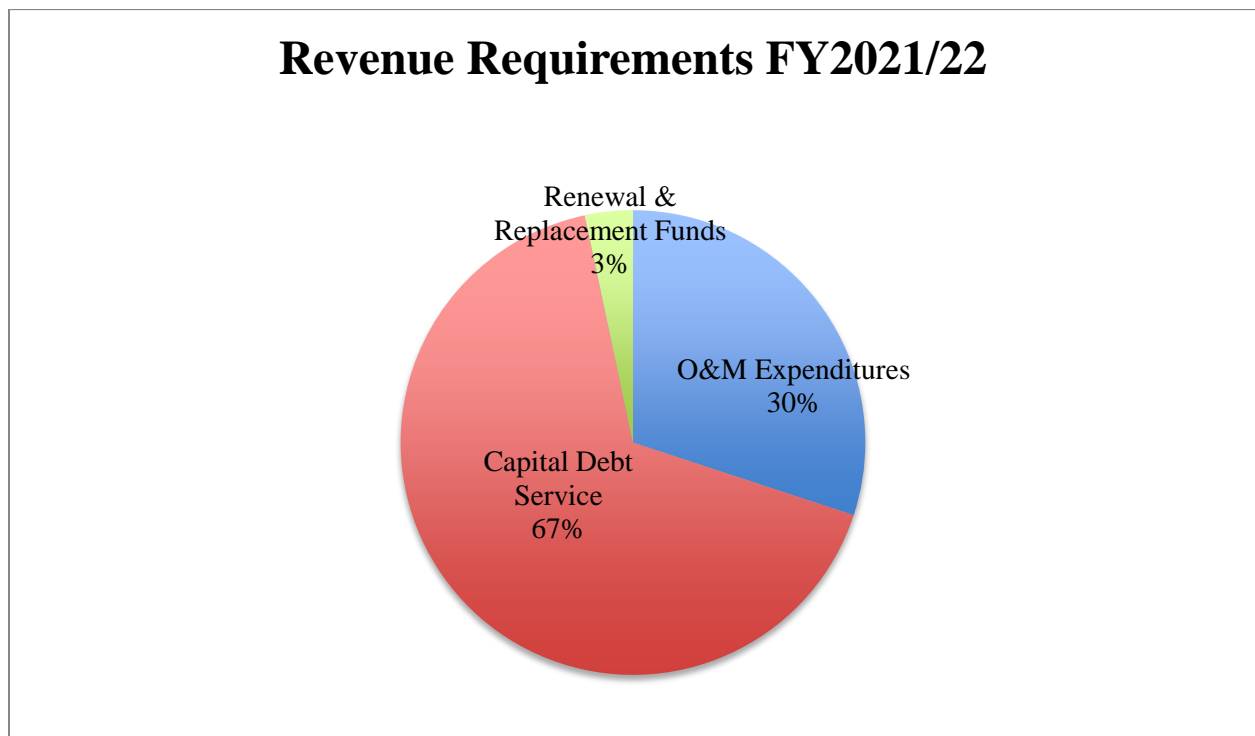
### **CAPITAL BUDGET**

The FY2020/21 capital budget was \$4,446,000, of which approximately \$584,000 is projected to be spent this fiscal year. Much of this is due to delays associated with COVID-19 issues, as well as hiring of new staff by DSRSD. In addition several of the projects are intended to span more than one fiscal year. The FY2021/22 capital budget of \$4,170,000 is for the renewal and replacement of LAVWMA and EBDA facilities and includes the purchase of three new pumps and rebuilding two motors, design improvements at the San Leandro Sample Station (SLSS), drainage improvements, continuation of the motor control center replacement project, cathodic protection improvements, and pipeline inspection. Pipeline inspection will now be an annual project with the intent of completing inspection of the entire system within five years. All of these major projects have been recommended by DSRSD staff. Please refer to the tables below which provide descriptions and summarize the costs.

# LAVWMA FY2021/22 Budget

## REVENUE REQUIREMENTS

The FY2021/22 budget also includes the debt service (repair and expansion) for the 2011 Bonds. Although repair and expansion of the existing pipeline is a capital cost, the associated debt service is tabulated in the operating budget to assist member agencies with their rate and fee calculations. The projected debt service includes payment of principal and interest. It should be noted that refunding of the debt is underway and has the potential to save at least \$1,000,000 per year in debt payments. This year's budget recommends that the annual deposit to the Joint Use Renewal Replacement Fund be continued at the \$400,000 level that was approved five years ago. Due to the increased cost of the MCC and SLSS Projects, the contribution should be revisited next year. Dual Use facilities are minimal and are currently adequately funded. The following pie chart illustrates the allocation of the \$12,010,455 in total revenue requirements for FY2021/22.



### 1.0 GENERAL

Livermore-Amador Valley Water Management Agency (LAVWMA) is a Joint Powers Agency comprised of the Cities of Livermore and Pleasanton, and Dublin San Ramon Services District (DSRSD). The City of Livermore collects and treats all City wastewater. DSRSD delivers water to the City of Dublin and the Dougherty Valley, and it collects and treats wastewater for Dublin and southern San Ramon, and treats additional wastewater under a contract with the City of Pleasanton. LAVWMA exports treated effluent from the LAVWMA Pumping Station west over the Dublin Grade, through Castro Valley, and the City of San Leandro, to a pipeline operated by the East Bay Dischargers Authority (EBDA). EBDA dechlorinates the effluent and discharges it through a deepwater outfall into San Francisco Bay. A significant portion of member agency flows are kept within their service areas for water recycling purposes.

# LAVWMA FY2021/22 Budget

## 1.1 Mission & Goals

### LAVWMA'S MISSION

LAVWMA's mission is to support its member agencies: Dublin San Ramon Services District, City of Pleasanton, and City of Livermore by providing cost effective operation and maintenance of all of the Agency export facilities in full compliance with federal, state, and local requirements. LAVWMA supports its member agencies in their efforts to implement comprehensive water recycling programs.

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We will complete our work primarily through consultants. We will invest in this diverse project team and promote a work ethic that recognizes and promotes teamwork and a positive work environment. We will practice fairness, provide challenges, and allow freedom of communication and thought to enable team members to make meaningful contributions to LAVWMA, the industry and our community.

#### Agency Goals & Objectives

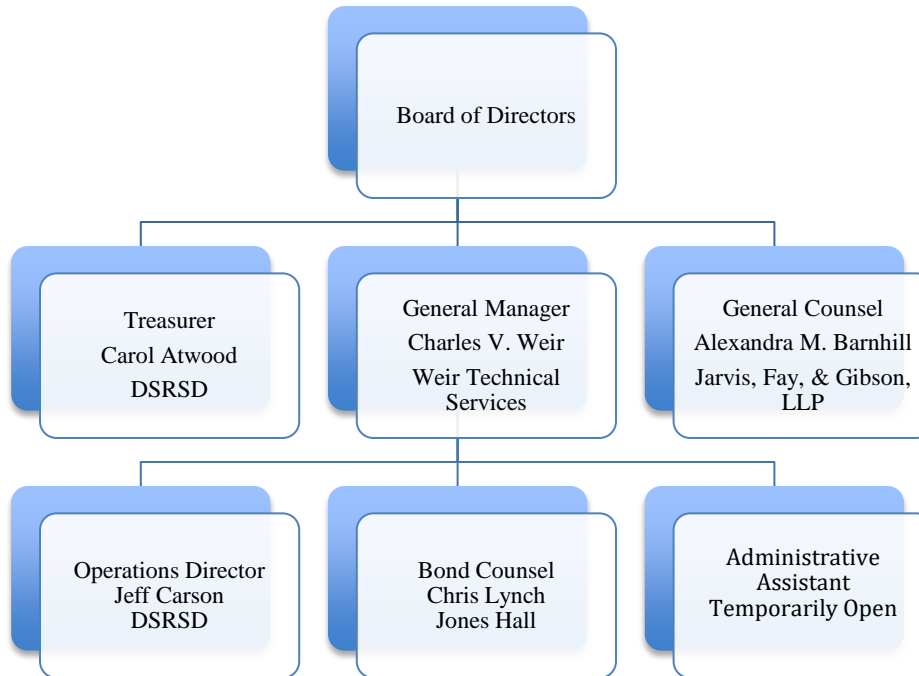
To carry out our Mission, LAVWMA will pursue the following goals:

- **Environmental Compliance.** Continue efficient operations of facilities to prevent wastewater overflows. Meet all CEQA mitigation requirements for new construction. Exceed requirements pertaining to community impacts.
- **Cost Effectiveness.** Continue to perform routine maintenance on existing facilities in a manner that promotes cost savings over the projected life of the facilities.
- **Technical Soundness.** Provide technically sound solutions that use the newest available technology without incurring excessive risk.
- **Customer Service.** Continue to comply with the 1997 Joint Exercise of Powers Agreement (JPA) and the October 2011 Sewer Service Contract with the LAVWMA member agencies.

### 1.2 ORGANIZATION

The LAVWMA team proposed for FY2021/22 is shown in the following chart.

# LAVWMA FY2021/22 Budget



## 2.0 OPERATING BUDGET

### 2.1 Description of Services Provided

The Operations and Maintenance (O&M) budget includes all costs required to operate and maintain existing LAVWMA facilities. LAVWMA's existing facilities include the sole-use and dual-use interceptors, junction structure, Export and Livermore pumping stations, storage basins, export pipeline including appurtenances, and two emergency dechlorination stations. LAVWMA's facilities are operated and maintained by DSRSD pursuant to a Maintenance Agreement initially executed in 1979.

The FY2021/22 Operating Budget on the following pages includes costs for the following: O&M Variable Costs, O&M Fixed Costs, Admin/Mgmt. Costs, Total O&M Costs, Capital Program Funding, and Total Revenue Requirements.

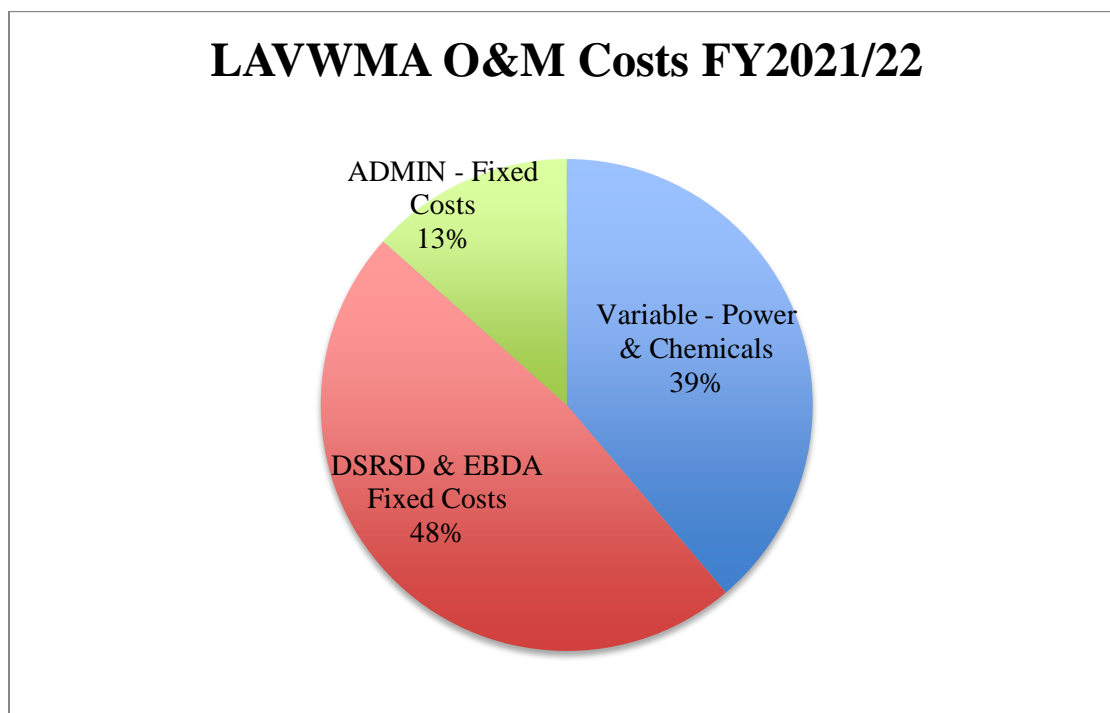
## LAVWMA FY2021/22 Budget

FY2021/22 OPERATIONS BUDGET SUMMARY							
			FY2020/21 Adopted Budget	FY2020/21 Projected Actual	FY2021/22 Proposed Budget	Change From Adopted FY2020/21	
OPERATIONS AND MAINTENANCE							
		<b>VARIABLE COSTS</b>					
		DSRSD Maintenance Agreement (Power)	\$ 1,250,000	\$ 1,317,180	\$ 1,250,000	0.00%	
		EBDA O&M (See Table, Section 2.2.1)	157,000	141,273	150,828	-3.93%	
		Subtotal - O&M Variable Costs	1,407,000	1,458,453	1,400,828	-0.44%	
		<b>FIXED COSTS</b>					
		DSRSD Maintenance Agreement					
		Labor	797,000	862,524	886,500	11.23%	
		Materials/Supplies	50,000	47,597	50,000	0.00%	
		Contractual	70,000	43,831	50,000	-28.57%	
		Monitoring/Testing	31,000	31,148	35,000	12.90%	
		Utilities (fixed)	7,000	9,507	7,000	0.00%	
		Non Routine	8,000	-	8,000	0.00%	
		EBDA O&M (See Table, Section 2.2.3)	645,000	651,529	689,051	6.83%	
		EBDA Total	802,000	792,803	839,880	4.72%	
		Subtotal - O&M Fixed Costs	1,608,000	1,646,135	1,725,551	7.31%	
		<b>ADMIN/MGMT</b>					
		Mgr/Treas/Counsel/Board	273,000	329,366	312,600	14.51%	
		Services/Supplies/Misc	132,500	63,887	67,500	-49.06%	
		Permits/Insurance	62,900	76,396	104,000	65.34%	
		Subtotal Admin/Mgmt	468,400	469,648	484,100	3.35%	
		Subtotal All Fixed Costs	2,076,400	2,115,784	2,209,651	6.42%	
		<b>TOTAL O&amp;M COSTS</b>	<b>\$ 3,483,400</b>	<b>\$ 3,574,237</b>	<b>\$ 3,610,480</b>	<b>3.65%</b>	
			FY2020/21 Adopted Budget	FY2020/21 Projected Actual	FY2021/22 Proposed Budget	Change From Adopted FY2020/21	
		<b>CAPITAL PROGRAM FUNDING</b>					
		Replacement Fund	400,000	400,000	400,000	0.00%	
		Repair Debt Service	2,438,658	2,438,658	2,436,792	-0.08%	
		Expansion Debt Service	5,567,442	5,567,442	5,563,183	-0.08%	
		SUBTOTAL	\$ 8,406,100	\$ 8,406,100	\$ 8,399,975	-0.07%	
		<b>TOTAL REVENUE REQUIREMENTS</b>	<b>\$11,889,500</b>	<b>\$11,980,337</b>	<b>\$12,010,455</b>	<b>1.02%</b>	

## LAVWMA FY2021/22 Budget

### 2.2 Operating Budget Summaries

The following pie chart depicts the allocation of operating costs:



#### 2.2.1 Variable Costs – Power and Chemicals

Variable costs for power (DSRSD/EBDA) and chemicals (EBDA) are directly tied to the volume of flow that LAVWMA discharges. They total \$1,400,828 and make up approximately 38.8% of LAVWMA's total operating budget. Pumping and chemical costs for FY2021/22 are projected to be 0.44% less than last year. PG&E's new time of use schedule went into effect on March 1, 2021. As a consequence LAVWMA is not pumping during the peak times of 4:00 p.m. to 9:00 p.m. every day. LAVWMA and DSRSD believe that it may be possible to reduce costs through prudent management of the new time of use schedule. The FY2021/22 Budget is based on actual costs for the current year. The following table details the variable costs for EBDA.

Facility	Variable Cost	LAVWMA Cost, 16.24%
General Administration	\$21,500	\$3,492
Outfall & Forcemains	\$150,000	\$5,432 (22.3%)
Marina Dechlor Facility	\$457,000	\$74,216
Oro Loma Pump Station	\$465,000	\$75,515
Bay & Effluent Monitoring	\$55,000	\$8,932
<b>Total</b>	<b>\$1,148,500</b>	<b>\$167,587</b>



## LAVWMA FY2021/22 Budget

The total estimate for EBDA Variable O&M Costs is 90% of the above total, or \$150,828 or a 3.93% decrease from last year.

### 2.2.2 Fixed Costs - DSRSD Maintenance Agreement

Operation and maintenance of LAVWMA facilities for FY2021/22 is estimated to require 5,800 fully burdened labor hours. This is the slightly less last year. Costs for these items are based on projected costs for FY2020/21 and anticipated needs for FY2021/22.

### 2.2.3 Fixed Costs - EBDA Agreement

This item covers EBDA's fixed operational and maintenance costs that are billed to LAVWMA. It also covers costs to EBDA for various Special Projects including the Regional Monitoring Program (RMP) and LAVWMA's share of EBDA's permit fees. Some of these costs are shared on different percentages than LAVWMA's fixed cost percentage in the agreement with EBDA. As an example, the RMP cost is based on the mass of four metals, copper, chromium, nickel, and selenium. LAVWMA's share is 23.29% for a total of \$65,209. LAVWMA's share of the permit fee (\$593,483) is based on the permitted average dry weather flows for each agency that is part of the EBDA system. LAVWMA's share of this cost is 26.62%, or \$158,003.

LAVWMA's share of EBDA Special Projects for FY2021/22 are less than \$5,000, which is much lower than in prior years.

LAVWMA is responsible for a portion of the forcemain system and will be billed accordingly. With the new Master Agreement LAVWMA will be responsible for 26.1% of the fixed costs for "shared" EBDA facilities. The new Master Agreement is retroactive to July 1, 2020. This year's fixed cost budget is \$689,051, which is 6.83% more than last year. Total EBDA costs for variable and fixed costs for FY2021/22 are \$839,880 as compared with \$802,000 last year. The following table summarizes the Fixed and Special Projects costs for EBDA.

Facility and Total Variable Cost	Fixed Cost	LAVWMA Percent Cost	LAVMWA Estimated Cost
General Administration	\$1,318,975	26.1%	\$344,252
Outfall & Forcemains	\$25,000	26.1%*22.3%=5.8%	\$1,455
Marina Dechlor Facility	\$39,500	26.1%	\$10,310
Oro Loma Pump Station	\$36,000	26.1%	\$9,396
Bay & Effluent Monitoring	448,382	26.1%	\$117,028
NPDES Permit Fee	\$593,473	26.62%	\$158,003
RMP Fee	\$280,000	23.29%	\$65,209
Nutrients Fee	\$285,346	19.55%	\$55,783
Disinfection Master Plan & Contingency	\$25,726	16.24%	\$4,178
<b>Total</b>	<b>\$2,052,042</b>		<b>\$765,612</b>

## LAVWMA FY2021/22 Budget

Historically, EBDA has averaged approximately 90% of budget for the fixed costs listed above. Accordingly, \$689,051 is included in the FY20/21 Budget.

### 2.2.4 Fixed Costs - Administration & Management

This section includes general administration, program management, legal and financial services, consulting services, permits, insurance, etc. The proposed budget is \$484,100 as compared with \$468,400 last year or an increase of 3.65%. The increases are due to the following: 1) numerous capital projects requiring management and contract preparation; 2) review and probable negotiation for both the DSRSD maintenance agreement and the Joint Powers Agreement; 3) and a projected 49% (42% last year) increase in insurance costs. The overall increase is modest since there is no need for technical assistance for the permit renewal, the website upgrade has been completed, and the records management project has been completed. The asset management program is linked to DSRSD's efforts for their own system. Asset Management made great strides this past year and will continue to be a key project this year and will have an impact on the Capital Program Funding as discussed below. Costs for travel expenses for the General Manager for two CASA Conferences and other required training for the General Manager and Administrative Assistant are included in these costs. There will also be costs associated with the refunding effort. All outside costs will be covered by the bond proceeds.

### 2.2.5 Capital Program Funding

This category includes the projected FY2021/22 debt service (repair and expansion) for 2011 bonds. It is acknowledged that debt service payments will change when the refunding is completed. Although repair and expansion of the existing pipeline and the EBDA capacity purchase are capital costs, the associated debt service and funding program costs are tabulated in the operating budget to assist member agencies with their rate and fee calculations. The projected debt service includes payment of both principal and interest. It is recommended that the annual \$400,000 deposit to LAVWMA's capital facilities Joint renewal replacement account be continued to help cover the \$4,170,000 cost of capital projects in FY2021/22. It is acknowledged that it may not be possible to complete all of the capital projects this fiscal year. However, it is best to get them on the list so that proper planning and scheduling can occur. Dual Use facilities are minimal and have adequate replacement funds.

The first table below lists the capital projects that will be completed by the end of FY2020/21. The second table lists all recommended projects for FY2021/22. All projects have been recommended and vetted by DSRSD staff.

<b>FY2020/21 Capital Program Expenditures</b>	
Purchase three new pumps and rebuild motors	\$14,000
Resealing of all Three Storage Basins	\$150,000
San Leandro Sample Station Design Improvements	\$0
MCCs and Soft Starters	\$250,000
Road Drainage Improvements	\$0
Pump Station and Pipeline Risk Analysis	\$184,000

## LAVWMA FY2021/22 Budget

Cathodic Protection Projects	\$50,000
PLC / SCADA Upgrade at the Pump Station	\$0
Pipeline Inspection	\$75,000
Electrical Improvements to Main Switchgear	\$0
Smart Detectors on Air/Vac and Air Release Valves	\$20,000
Other Misc. LAVWMA Renewal/Replacements	\$20,000
Other Misc. EBDA Renewal/Replacements	\$5,000
CIP Planning/Management Contingency	\$0
<b>Total Expenditures</b>	<b>\$768,000</b>

<b>FY2021/22 Capital Program Expenditures</b>		
<b>Project</b>	<b>Description</b>	<b>Cost</b>
Purchase three new pumps and rebuild two associated motors.	Due to COVID-19 issues, this project has been delayed from FYE21. Bids resulted in significantly higher pump costs than anticipated. This project is being increased through Modification No. 1 of the budget to account for the higher pump costs, five year warranty for the pumps, rebuilding two motors, and DSRSD staff time to remove the old pumps and install the new pumps and rebuilt motors.	\$460,000
San Leandro Sample Station (SLSS) Design Improvements	<p>This project has evolved from what was described for last year's budget and is being carried over. It also now includes:</p> <ol style="list-style-type: none"> <li>1. 24-inch flow control valve</li> <li>2. 20-inch flow control valve</li> <li>3. Two 30-inch flow meters</li> <li>4. Two chlorine residual analyzers</li> <li>5. Miscellaneous piping and fittings to accommodate different pipe sizes</li> <li>6. Improvements to the Programmable Logic Controller (PLC), Human Machine Interface (HMI), Supervisory Control and Data Acquisition System (SCADA), networking and programming</li> </ol> <p>The SLSS station has to be designed to measure chlorine residual and monitor pH continuously. These parameters have to be measured both when effluent is going to EBDA and when effluent is dechlorinated and diverted to San Lorenzo Creek during wet weather events or during system testing. Composite</p>	\$670,000

## LAVWMA FY2021/22 Budget

<b>FY2021/22 Capital Program Expenditures</b>		
<b>Project</b>	<b>Description</b>	<b>Cost</b>
	<p>samples of LAVWMA's effluent need to be taken when its directed to both EBDA and San Lorenzo Creek. Grab samples of LAVWMAs Effluent also need to be collected for Bacteriological analysis in both situations. The design of the SLSS is complicated by the following factors: 1) The discharge to San Lorenzo Creek wet weather outfall is rare; 2) During normal daily operations the LAVWMA pumps shut off during peak demand periods and therefore the pipeline is not full during those times; 3) The station is not staffed continuously. The goal of this project is to work with operational staff and the RWQCB to design the station to meet operational, maintenance and regulatory expectations in a manner which creates as little day to day maintenance as possible. The project will now also address probable sea level rise at the discharge point and provide a design to ensure discharge will always be possible. A draft RFP for design engineering consulting services is under review.</p>	
Pump Station Motor Control Center (MCC) and Soft Starter Upgrades	<p>This project is underway. DTN Engineers is under contract for the design and technical support during construction. Royal Electric was selected for the construction. Psomas was selected for project management services. Royal Electric has submitted all the required documents and the MCC manufacturer has been given approval to manufacture the MCCs. Approximately \$250,000 has been spent in FYE21. Total Cost = \$2,500,000.</p>	\$2,250,000
Road Drainage Improvements at the LAVWMA Pump Station	<p>Included in last year's budget, this project has been delayed due to COVID-19 and staffing issues. It will be combined with similar projects for DSRSD, which may result in some cost savings. This project will improve road drainage north of the storage basins.</p>	\$35,000

## LAVWMA FY2021/22 Budget

<b>FY2021/22 Capital Program Expenditures</b>		
<b>Project</b>	<b>Description</b>	<b>Cost</b>
Cathodic Protection Projects	This project is being carried over from FYE21. Corpro is proceeding with this project. There were eleven tasks and the simplest eight have been completed. Three tasks require permitting, excavation and traffic control and are in development. Total Coat = \$185,000.	\$135,000
PLC Upgrade at the Pump Station	This project is being carried over from FYE21. The existing Programmable Logic Controller (PLC) at the pump station is almost 20 years old and is near the end of its useful life. It is an OPTO22 system and needs to be upgraded to Allen Bradley PLC to match the PLCs used by DSRSD. An upgrade to the OPTO22 system at the San Leandro Pump Station is already complete. This is a complex project that requires engineering design, equipment, installation, and construction support. Upon completion the system will be consistent with that of DSRSD improving operation and performance. It will also be helpful with managing the system under the likely terms of the new EBDA agreement. DSRSD staff has held scoping meetings with the various suer groups.	\$300,000
Pipeline Inspection	One of the recommendations from the risk analysis project was to inspect portions of the pipeline and provide a report with future recommendations. The report recommended repairs on one section that will coat approximately \$35-40,000. The repot also recommends continuing to inspection portions of the forcemains annually such that the entire pipeline will have been inspected within about five years. Mush of this cost is for DSRSD staff as we learned the complexity of pipeline inspection this past fall.	\$100,000
Electrical Improvements to the Main Switchgear at the Pump Station	This project is being carried over from FYE21. This project will improve the original equipment at the pump station. It includes upgrading to multi-function	\$50,000

## LAVWMA FY2021/22 Budget

<b>FY2021/22 Capital Program Expenditures</b>		
<b>Project</b>	<b>Description</b>	<b>Cost</b>
	relays at the main service switch gear, which will require some design and interfacing with PG&E. It also includes adding time delay/remote close/trip switches for the main breakers to reduce the arc flash hazard to staff. Both of these items were recommended by the 2016 Pump Station Evaluation Report.	
Smart Detectors on High Maintenance Air/Vac and Air Release Valves	This project would install Smart Detectors on pipeline vaults with high maintenance air/vac and air relief valves. The Smart Detectors would monitor the depth of the vault if an Air Relief Valve or Combination Valve fails or begins to leak water into the vault. The detector would recognize the level in vault is rising with water, and then send a signal/alarm to Operations which may prevent a spill to storm drains or creeks along the length of the pipelines. It will help to ensure compliance with Regional Board Sanitary Sewer Overflow requirements. Three detectors have been purchased and installed on at risk sites. Once those items are successfully tested additional detectors will be purchased.	\$20,000
Other Misc. LAVWMA Renewal/Replacements	As needed	\$50,000
Other Misc. EBDA Renewal/Replacements	As needed	\$50,000
CIP Planning/Mgmt./Contingency	As needed	\$50,000
<b>Total Expenditures</b>		<b>\$4,170,000</b>

**2.3 Changes from FY2020/21 Budget**

FY2020/21 expenditures are projected to come in approximately 2.6% above budget due labor, EBDA, and management activities. The annual reconciliation process will resolve any over or under payments. The FY2021/22 Budget is 1.02% more than FY2020/21 in Total Revenue Requirement. Total O&M costs are 3.65% more that was budgeted last year.

## LAVWMA FY2021/22 Budget

**3.0 CAPITAL BUDGET****3.1 Description of Budget**

The Capital budget includes all costs associated with renewal and replacement of existing capitalized facilities. From 2001 to 2010 the 2001 Series A bond funds were the primary source of LAVWMA's capital expenditures. The bond funds were closed out in June 2011. As of July 2011 and for the foreseeable future the only source of capital funding will be the Renewal & Replacement Funds that have been established for Joint Use, Dual Use and Sole Use Facilities. The table below depicts the projected fund balances during FY2021/22.

<b>R &amp; R Fund Balances</b>	<b>Joint</b>	<b>Dual</b>	<b>Sole</b>	<b>Total</b>
<b>Start of year</b>	15,411,713	433,239	1,620,952	17,465,905
<b>Deposits</b>	400,000	0	0	400,000
<b>Interest Earnings</b>	56,922	1,560	5,835	64,317
<b>Proposed Expenditures</b>	(3,926,000)	(0)	(0)	(3,926,000)
<b>End of Year</b>	11,698,635	434,799	1,626,788	13,760,222

As discussed previously, it is recommended that the annual contribution to the R&R Fund be continued at the \$400,000 level. The following table for the last several years plus the estimated data for FY2020/21 and recommendations for FY2021/22 show that LAVWMA maintaining the Joint Use R&R Fund at a sustainable level since FY2010/11. Due to the total project costs and the low interest rates, the annual contribution should be reviewed in the next budget.

<b>R&amp;R Joint Use History</b>				
<b>Fiscal Year</b>	<b>Contributions</b>	<b>Interest</b>	<b>Expenses</b>	<b>Net</b>
FY2010/11	0	84,873	(245,065)	(160,192)
FY2011/12	300,000	51,626	(411,885)	(60,259)
FY2012/13	300,000	45,064	(353,404)	(8,340)
FY2013/14	300,000	36,396	(119,955)	216,441
FY2014/15	300,000	40,479	(439,073)	(98,594)
FY2015/16	400,000	62,652	(336,712)	125,940
FY2016/17	400,000	109,563	(600,000)	(90,437)
FY2017/18	400,000	225,160	(154,000)	471,160
FY2018/19	400,000	494,626	(309,115)	585,511
FY2019/20	400,000	500,000	(125,000)	775,000
FY2020/21	400,000	65,407	(768,000)	(302,593)
FY2021/22	400,000	64,317	(4,170,000)	(3,705,683)
<b>Total</b>	<b>4,000,000</b>	<b>1,780,163</b>	<b>(8,032,209)</b>	<b>(2,091,854)</b>

# LAVWMA FY2021/22 Budget

## 3.2 Discussion of Capital Expenditures Proposed for FY2021/22

The following table summarizes \$3,926,000 of anticipated FY2021/22 capital expenditures on the renewal and replacement of LAVWMA and EBDA facilities. More detailed descriptions are included in Section 2.2.5, Capital Program Funding.

<b>FY2021/22 Capital Program Expenditures</b>	
<b>*Carryover</b>	
*Purchase three new pumps and rebuild two motors	\$460,000
*San Leandro Sample Station Design Improvements	\$670,000
*MCCs and soft starters	\$2,250,000
*Road Drainage Improvements	\$35,000
*Cathodic Protection Projects	\$135,000
*PLC Upgrade at the Pump Station	\$300,000
Pipeline Inspection	\$100,000
*Electrical Improvements to Main Switchgear	\$50,000
*Smart Detectors on High Maintenance Pipeline Valves	\$20,000
Other Misc. LAVWMA Renewal/Replacements	\$50,000
Other Misc. EBDA Renewal/Replacements	\$50,000
CIP Planning / Management Contingency	\$50,000
<b>Total Expenditures</b>	<b>\$4,170,000</b>

## 4.0 FY2021/22 Member Agency Cost Sharing & Schedule

### Member Agency Costs FY2021/22

	<b>Total</b>	<b>Livermore</b>	<b>DSRSD/Pleasanton</b>
Variable O&M	\$ 1,400,828	\$ 490,290	\$ 910,538
Fixed O&M	2,184,651	657,580	1,527,071
Sole Use Fixed O&M	25,000	25,000	
Total O&M	3,610,480	1,172,870	2,437,610
Replacement Fund	400,000	120,400	279,600
Repair Debt	2,436,792	973,498	1,463,294
Expansion Debt	5,563,183	1,252,828	4,310,354
EBDA Debt	-	-	-



## LAVWMA FY2021/22 Budget

Total Capital Costs	8,399,975	2,346,727	6,053,248
<b>Total Revenue Required</b>	<b>\$ 12,010,455</b>	<b>\$ 3,519,597</b>	<b>\$ 8,490,858</b>
Semi Annual O&M Advance	1,805,240	586,435	1,218,805
Semi Annual Replacement Fund Advance	200,000	60,200	139,800
July 1 Bond Debt Service Advance	6,531,738	1,817,729	4,714,009
Jan 1 Bond Debt Service Advance	1,468,238	408,598	1,059,639
Total July 1 Advance	\$ 8,536,977	2,464,364	6,072,613
Total January 1 Advance	\$ 3,473,477	\$ 1,055,233	\$ 2,418,244
<b>Percentages</b>			
Variable O&M		35.00%	65.00%
Fixed O&M		30.10%	69.90%
Replacement Fund		30.10%	69.90%
Repair Debt		39.95%	60.05%
Expansion Debt		22.52%	77.48%

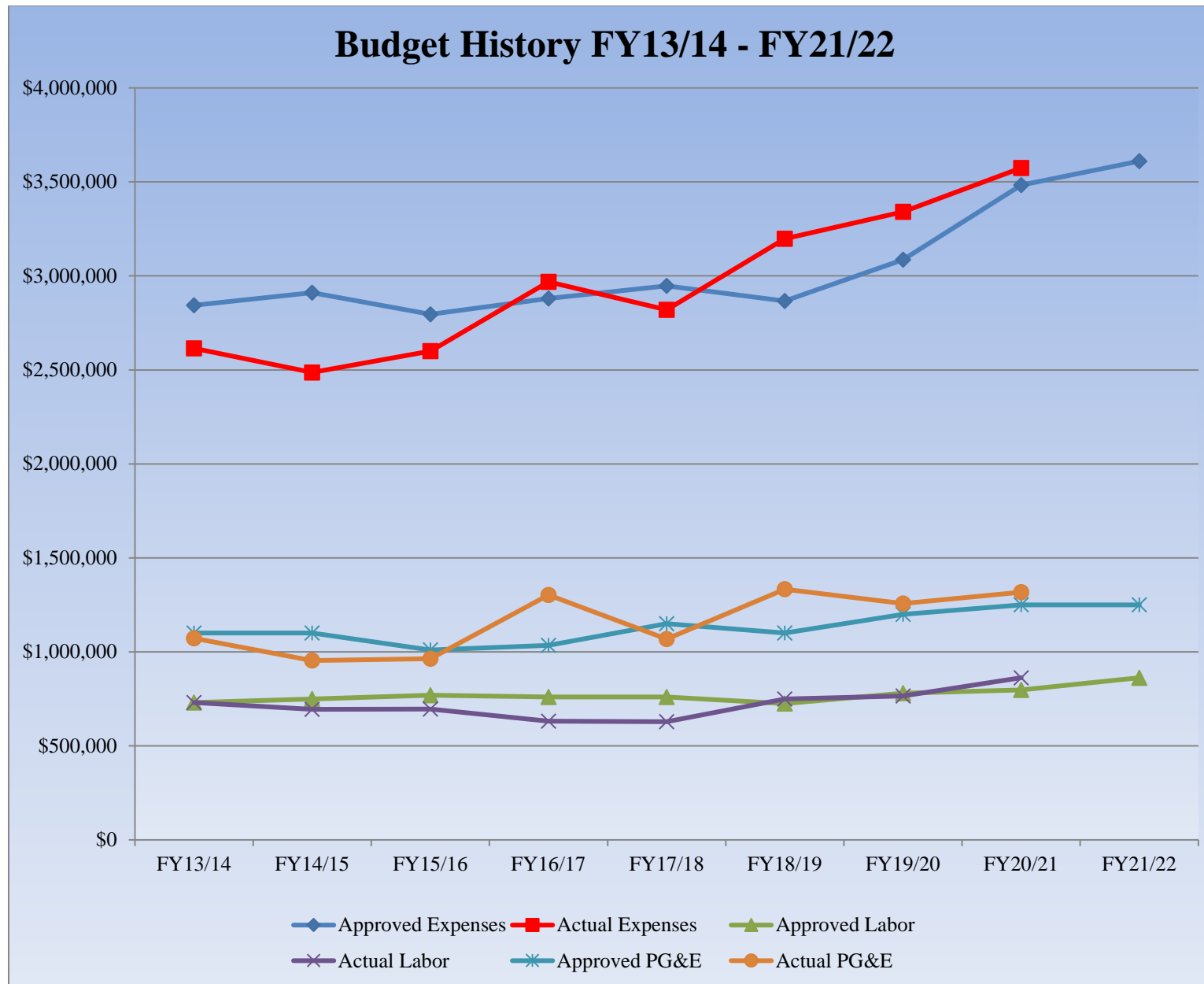
**5.0 Budget Trends FY2013/14 – FY2021/22**

The following charts show expense trends from FY13/14 through FY21/22. The charts show the following:

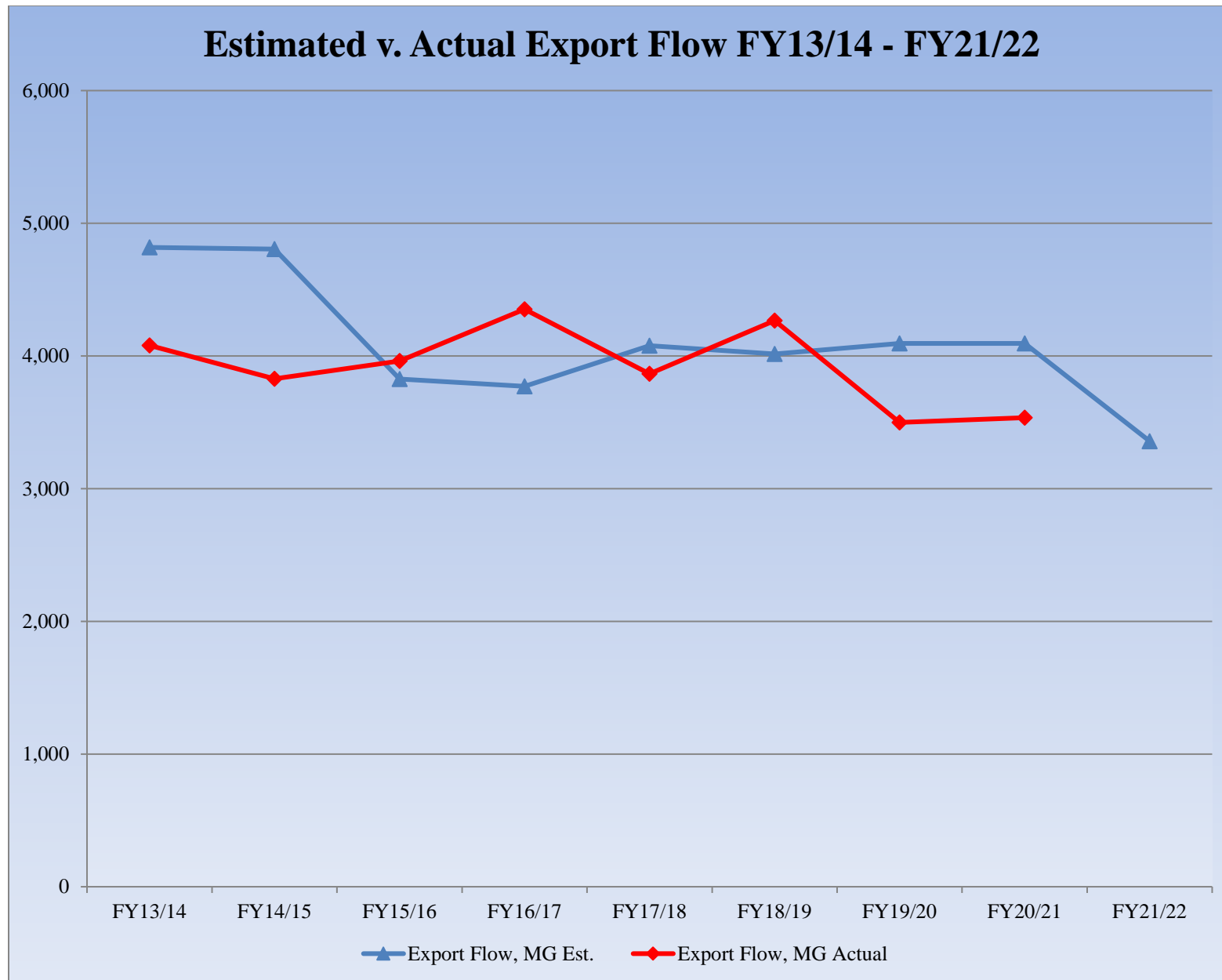
- Approved versus actual expenses for total expenses, labor costs, and PG&E power
- Estimated versus actual export flow
- Estimated versus actual cost per million gallons

Beginning with the FY2019/20 budget, these charts have been modified from previous presentations. The costs shown are total costs as in the approved budgets, which also include costs for EBDA. Previously, EBDA costs were not included. As a consequence, the cost per million gallons is going to be higher than the costs shown in DSRSD's Quarterly reports. The electrical cost for just pumping over the Dublin Grade is approximately \$373/MG, while the full disposal cost, including EBDA costs is approximately \$1,100. Although flow and PG&E costs are directly linked, other factors such as fixed costs for labor and equipment repair generally increase at the rate of inflation or CPI, resulting in increasing cost curves. Export flow is decreasing over time due to water recycling efforts.

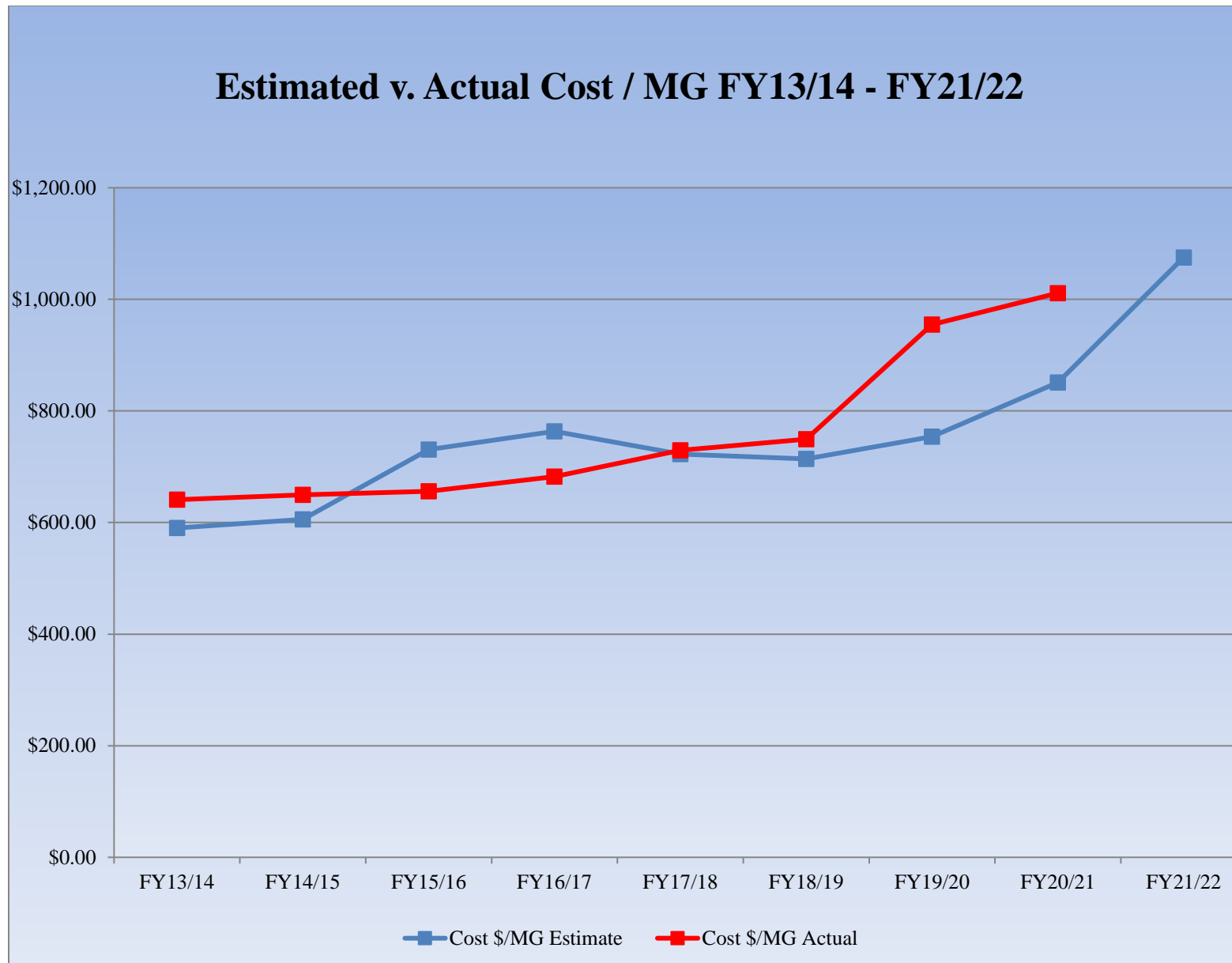
## LAVWMA FY2021/22 Budget



## LAVWMA FY2021/22 Budget



## LAVWMA FY2021/22 Budget



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**ITEM NO. 10 APPROVAL OF A RESOLUTION AWARDING AN AGREEMENT FOR THE PURCHASE OF THREE VERTICAL TURBINE PUMPS TO TRILLIUM PUMPS USA, INC.**

**Action Requested**

Approval of Resolution No. 21-07 awarding an agreement for the purchase of three vertical turbine pumps to Trillium Pumps USA, Inc.

**Summary**

Please refer to Agenda Item No. 9, regarding the bid results for the purchase of three vertical turbine pumps for the pump station and the proposed budget modification. Trillium Pumps USA, Inc (Trillium) was the lowest responsive and responsible bidder at a cost of \$357,057. Their bid also included a cost of \$35,232 for a five year warranty on the pumps. If the warranty is included, the total maximum cost of the agreement would be \$392,289. It is proposed that the agreement with Trillium be authorized at a maximum of \$392,289 and that the option for the warranty be left to the discretion of the General Manager. The General Manager will work with the design engineer and member agency staff to determine if the warranty is necessary to include in the agreement with Trillium.

**Recommendation**

It is recommended that the Board approve Resolution No. 21-07 awarding an agreement for the purchase of three vertical turbine pumps to Trillium Pumps USA, Inc.

**Attachments**

Attachment No. 10, Resolution No. 21-07 Awarding an Agreement for the Purchase of Three Vertical Turbine Pumps to Trillium Pumps USA, Inc.

**LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY  
RESOLUTION NO. 21-07**

**AWARDING AN AGREEMENT FOR THE PURCHASE OF THREE VERTICAL  
TURBINE PUMPS TO TRILLIUM PUMPS USA, INC.**

**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**, on July 6, 2021, LAVWMA issued a Notice Inviting Bids for the Vertical Turbine Pump Purchase (Project No. LAVWMA-2021-03) (“Project”);

**WHEREAS**, on August 5, 2021, LAVWMA publicly opened the four bids received in response to the Notice Inviting Bids;

**WHEREAS**, of the four bids received, Trillium Pumps USA, Inc. submitted the lowest bid, in the amount of \$357,057;

**WHEREAS**, LAVWMA has determined that Trillium Pumps USA, Inc. is the responsible bidder that submitted the lowest responsive bid for the Project; and

**WHEREAS**, the bid from Trillium Pumps USA, Inc. also included a bid alternate for a five year warranty in the amount of \$35,232 which would bring the total bid to \$392,289; and

**WHEREAS**, including the five year warranty in the final total amount of the agreement shall be at the discretion of the General Manager; and

**WHEREAS**, the Board of Directors considered awarding the Project to Trillium Motors USA, Inc. at a duly noticed regular meeting held on August 18, 2021.

**NOW, THEREFORE, BE IT RESOLVED** that the Board of Directors of LAVWMA hereby awards the contract for the Project to Trillium Pumps USA, Inc. and authorizes the General Manager to execute an agreement for the Project, in a form approved by the General Counsel, at a cost not to exceed the amount of \$392,289 and take all other actions as may be reasonably necessary to carry out the Project.

**DULY AND REGULARLY ADOPTED** by LAVWMA’s Board of Directors this \_\_\_\_\_ day of \_\_\_\_\_ by the following vote:

AYES:

NOES:

ABSENT:

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Anne Marie Johnson, Chair

ATTEST:

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Charles V. Weir, General Manager

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**ITEM NO. 11 PROJECT STATUS REPORTS - MOTOR CONTROL CENTER REPLACEMENT PROJECT AND THE SAN LEANDRO SAMPLE STATION IMPROVEMENTS PROJECT**

**Action Requested**

None at this time.

**Summary**

The Board previously authorized both the Motor Control Center Replacement Project (MCC Project) 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. This project is proceeding smoothly and all COVID-19 requirements are being followed. All required documents have been submitted (submittals) by Royal Electric and their subcontractors. The subcontractor, Eaton Electric, has been authorized to proceed with the manufacture of the MCC cabinets and internal components. The project is on schedule to be completed by the end of this calendar year. The design engineer and DSRSD's Principal Electrical Engineer traveled to North Carolina in July to witness the Factory Acceptance Tests for the new MCCs that are being manufactured. The tests were successful and it is anticipated that the first of the MCCs will be shipped to the pump station site for installation by the end of August 2021. This project requires shutting down half of the pumps (either the six 500 HP pumps of the four 600 HP pumps) separately to remove the old MCCs and install the new ones. Coordination among operations, maintenance, electrical, the contractor, and the design engineer will be critical to the successful installation of the MCCs. No disruption of the ability to pump is allowed during this project.

One additional task in the DTN scope was to evaluate the impact and provide recommendations to respond to the new PG&E Time of Use Schedule. DSRSD staff has implemented the recommendations and is not pumping during PG&E's Peak Demand Period. With the new schedule the pumps are not run between the hours of 4:00 p.m. and 9:00 p.m. every day. During June – September there is a partial peak period from 2:00 p.m. – 4:00 p.m. and from 9:00 p.m. to 11:00 p.m. So far, the system has been able to operate with only two pumps during the hours of 11:00 p.m. – 2:00 p.m. the next day. This should save substantial costs in demand charges. Maintaining this procedure will be a challenge during wet weather as the peak period is every day of the year.

Due to additional costs incurred by the design engineer due to unexpected requests for information and review of various electrical studies required of the contractor, an amendment to



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the agreement with DTN has been issued in the manner provided for in the agreement. The cost ceiling has been increased from \$250,000 to \$270,000. DSRSD staff reviewed and concurred with the increase.

#### San Leandro Sample Station Improvements Project

One of the tasks of the recently completed Risk/Failure Analysis and Pipeline Inspection Project was to provide a preliminary design and cost estimate for the SLSS Project. HydroScience provided that report as part of their responsibility. The full design and construction of the SLSS project is included in the FYE22 budget at a cost of \$670,000, which includes \$185,000 for engineering services. Engineering services include design, engineering services during construction, construction management and inspection, and services during startup.

A Request for Proposals for these services was issued on June 25, 2021 and proposals were due on July 26, 2021. A non-mandatory meeting and tour was held on July 13, 2021. HydroScience was the only firm that attended the meeting and tour. HydroScience was also the only firm that submitted a proposal. This was not surprising as several firms contacted the General Manager and informed him that they were unlikely to submit a proposal for several reasons, such as the small size of the project and their work load was too high at this time.

Despite having only one proposal, LAVWMA and its member agencies followed procedures and reviewed and rated the HydroScience proposal. On a 90 point scale, the reviews ranged from 75 – 90, with an average of 81.5 points. The cost provided by HydroScience was \$173,545, which is well within the estimated engineering budget. As a consequence, HydroScience was asked to provide a detailed scope of work that will be attached to an agreement. The scope was received on August 9, 2021 and was reviewed by the member agencies. That review resulted in the addition of some small pumps to assist with dewatering the outfall. That will likely increase HydroScience's level of effort for design work. Rather than try to revise the cost estimate, the agreement will include a cost ceiling of \$185,000 to provide some contingency funds. The agreement should be executed within two weeks.

#### **Recommendation**

None at this time.

#### **Attachments**

None

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**ITEM NO. 12 UPDATE AND RESPONSE TO VARIOUS LEGAL AND LEGISLATIVE ISSUES**

**Action Requested**

None at this time.

**Summary**

Attached for the Board's information are the following items **Attachment No. 12.a**, California Association of Sanitation Agencies (CASA) Connects for July 22, 2012 and **Attachment No. 12.b**, Bay Area Clean Water Agencies (BACWA) Bulletin for August 2021. Both documents provide current information on the legal, legislative, and regulatory fronts that are of interest to wastewater treatment agencies.

One of the key items is an amendment to permits allowing higher chlorine residuals for Bay dischargers including East Bay Dischargers Authority, which will save on dechlorination costs for sodium bisulfite. There is also information on PFAS and wipes legislation. Both documents contain hyperlinks that will lead to detailed information on each subject.

Also included is LAVWMA's Annual Wet Weather Report for 2020, **Attachment No. 12.c**. This is a report that is submitted to the Regional Board on an annual basis in compliance with the NPDES Permit. As noted in the report, there were no wet weather events that required use of either emergency outfall provided in the permit.

**Recommendation**

There is no recommendation at this time.

**Attachments**

- 12.a CASA Connects for August 5, 2021
- 12.b BACWA Bulletin for August 2021
- 12.c 2020 Annual Wet Weather Report

**chuckweir@sbcglobal.net**

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**From:** CASA <cmackelvie@casaweb.org>  
**Sent:** Thursday, August 5, 2021 2:02 PM  
**To:** chuckweir@sbcglobal.net  
**Subject:** Your Water and Wastewater Updates for August 5



August 5, 2021

**CASA CONNECTS**

Your source for  
wastewater legislative,  
regulatory and  
industry news

**CASA News**

**CASA's Annual Conference- Just Days Away**  
CASA's Annual Conference just around the corner, and we are overjoyed to see you again in-person in San Diego next week as we hear from experts on topics we're all concerned about, including the current drought, the changing nature of work, gender diversity and pay equity in the workforce, and much more! Early this week, CASA updated attendees on the [new safety protocols](#) put in place in order to make this event as safe and engaging as possible. If you are planning on attending the conference, please review this important "Know Before You Go" information.



Registration is still open! If you would like to join us next week in San Diego, be sure to [register](#) for the conference.

Check out our [program](#) to see all the great speakers, panels, and presentations available during CASA's 2021 Annual Conference today! We hope to see you there!

## Be a Part of the CASA Mentoring Program Inaugural Class!

Ready to take that next step in your wastewater career? Not sure where to start? CASA is here to support you! [The CASA Mentoring Program](#) is an 11-month comprehensive program, kicking off in October and concluding in August 2022, that serves to connect clean water professionals from across the state of California. Working with Core Consulting, which has a depth of experience developing mentoring and training programs working with public agencies, **CASA will match 12 mentor/mentee pairs** based on their professional goals, preferences, and experience. There are limited spots available so act fast!



Want to learn more? **Join us for a virtual information session** on [Monday, August 23 from 11:30am to 12:00pm](#) and **visit the new [CASA LEAD webpage!](#)**

**\*Registration Closes on August 27\***

**We anticipate spots to fill quickly, so be sure to apply for the mentoring program today!**

For questions, contact CASA's Executive Director, [Adam Link](#).

## Coming Soon: CASA's Professional Development LISTSERV

Keep an eye on your inbox as we prepare to send the first Professional Development email out to CASA members! We have developed a specialized LISTSERV to keep members informed of webinars, workshops, trainings, events, and general opportunities for professional development. This LISTSERV will be populated bimonthly with upcoming engagement opportunities in all facets of the clean water industry including biosolids, communications, finance, human resources, regulatory, and more! Do you know a shining star in your agency that might benefit from continued growth and professional development opportunities? Be sure to share this resource with them! To get signed up for the newest CASA LISTSERV, please email [Cheryl MacKelvie](#) with your name, preferred email, and affiliated agency or association.



## Federal Update

### Senate Debates Comprehensive Infrastructure Package; Committee on Appropriations Mark Up Energy-Water FY2022 Spending Bill

As of this writing, the Senate is debating its bipartisan infrastructure package, H.R. 3684. This comprehensive package is the Senate's counterpart to the House's [INVEST Act](#) that was passed earlier this summer. The Senate package provides \$55 billion in appropriations to support investment in the nation's clean water infrastructure. Majority Leader Chuck Schumer (D-NY) has stated the desire to move expeditiously to pass the package. In addition to passing the infrastructure package, Schumer has also stated the desire to vote on a budget resolution in the coming week that would allow for the House and Senate to begin work on a reconciliation package.



[READ MORE](#)

## CASA Quoted In Support of Water Infrastructure Legislation



Senator Alex Padilla (D-CA) introduced legislation to increase funding for the U.S. Environmental Protection Agency's Alternative Water Source Projects Pilot Program. The Water Reuse and Resiliency Act ([S. 2454](#)) would authorize \$1 billion over five years to support the program. The bill aims to respond to the increasing drought conditions in the West by supporting projects that diversify water supplies. Upon introduction, the office published a [press release](#), in which CASA is quoted supporting the bill, along with State Water Resources Control Board Chair Joaquin Esquivel. CASA's statement of support is provided below.

*"Senator Padilla and Senator Feinstein's legislation to support the construction of alternative waters supply projects will enhance our abilities to construct drought resilient water supplies," said Adam Link, Executive Director of the California Association of Sanitation Agencies (CASA). "Equally important, it will allow CASA agencies to leverage our water quality treatment processes to deliver a new, safe and reliable water supply. Funding these projects is a vital step toward addressing the water supply needs of all of California's citizens. As an organization dedicated to developing climate resilient water supplies, CASA wholeheartedly supports Senator Padilla's bill and looks forward to its enactment as Congress considers water infrastructure legislation."*

## In Case You Missed It

### PPIC Statewide Survey: Californians and the Environment



The Public Policy Institute of California (PPIC) recently published a Statewide Survey that delivers nonpartisan, objective, advocacy-free information on the perceptions, opinions, and public policy preferences of California residents. Outlined below are some of the key findings from the current survey:

Key findings from the current survey:

- One in four Californians name water supply and drought as the state's top environmental issue; 63% say water supply is a big problem in their region.
- Majorities approve of the way Governor Newsom and President Biden are handling environmental issues.
- About six in ten (63%) are very concerned about climate change increasing the severity of wildfires and drought.
- Majorities across party lines favor prioritizing alternative energy sources, such as wind, solar, and hydrogen.

Read more [here](#).

## Member News

### IRWD's Purple Pipe Origin Story

The Irvine Ranch Water District (IRWD) recently posted an article about the origin of the purple pipe. In the article they share about the Irvine Ranch Water District engineers who did the work in the 1980s to establish purple as the designated standard for recycled water. "Throughout the nation and around the world, purple pipes pulse with water that has gone down drains and been treated for reuse in landscaping, agriculture and commerce. Irvine Ranch Water District was the mastermind behind that





color: leading the charge in the early 1980s to certify a standard for pipes carrying recycled water, to distinguish them from drinking water systems. But how did it happen? It's a colorful story of IRWD leadership, creativity and humor — centered around an engineer who sees much of the world in neutral tones. “Way back in the '60s, when IRWD first started putting out recycled water to new communities, people used metal wire or tape to mark a recycled water pipeline,” explains Ron Young, a former general manager of IRWD, who in the 1980s kicked off the effort to establish a universal color standard after attending a recycled water conference in Florida.”.... Read the full article [here](#).

### VSD Partners with Community Colleges

As part of its succession planning initiative, Valley Sanitary District (VSD) identified the need for certified and trained professionals in the water and wastewater industry in the Coachella Valley to replace employees that have attained retirement age or will within the next five years. There are over 260 certificated water and wastewater-related jobs in the Coachella Valley and competition for trained, certified applicants is intense and convincing potential employees to move to the desert was challenging. VSD also identified that there are no training programs, internships, or certification programs in the Desert to increase the number of “home grown” applicants. To remedy this problem, Beverli Marshall, VSD's General Manager, approached the College of the Desert to gauge interest in developing an apprenticeship program. The result is the creation of the Desert Region Water Technology Training Program. Learn more about the program, in the full [press release](#).



## Webinars, Workshops & Events

### CASA Annual Conference 2021

Join us next week, August 11-13 for CASA's 2021 Annual Conference at the Hilton San Diego Bayfront hotel.

[Register](#) today and please be sure to follow the safety guidelines, notices and waivers in place. We hope to see you soon in sunny San Diego!



### HHS-Utility Webinar on Low-Income Water Program

On August 12, from 12:00-1:00pm, the Department of Health and Human Services (HHS) will host a webinar on the Low-Income Water Program. This is a webinar designed for water and wastewater utilities to learn more about the emergency Low-Income Household Water Assistance Program ([LIHWAP](#)). It will include an overview of the structure of the program at all levels, coordination of assistance for households, federal requirements of the program, and address water provider questions. [Register Here](#).



### California Water and Wastewater Arrearage Payment Program Survey Webinar

On August 19, from 10-11:30am, the State Water Resources Control Board will host a webinar: [California Water and Wastewater Arrearage Payment Program Survey](#). The webinar will cover training on how to complete the California Water and Wastewater Arrearage Payment Program Survey which will collect information on drinking water residential and commercial arrearages, as well as revenue loss during the COVID-19 pandemic. This survey will help the State Water



Board determine Program eligibilities, application requirement, and the allocation of funds for community water systems. [Register here.](#)

### WELL UnTapped

The Water Education for Latino Leaders (WELL) recently announced the return of WELL UnTapped Fellowship, a selective program that creates an opportunity for local elected officials to engage with water issues through a comprehensive exploration of history, governance, public policy, geography, and economics and their relationship to human rights and climate change. UnTapped session content includes lectures given by water professionals and skill-based exercises that help participants ask better public policy questions and strengthen public speaking and relational skills.



WELL UnTapped 2022 includes a mix of in-person and virtual sessions. You can [click here](#) to access the application and schedule for 2022. The application is due August 27, 2021.

### ACT EXPO

CASA is proud to participate as an endorsing organization partner of the 2021 Advanced Clean Transportation (ACT) Expo. Celebrating its 10<sup>th</sup> anniversary, ACT Expo is North America's largest advanced transportation technology and clean fleet event. Bringing together more than 4,000 stakeholders across the industry for an expansive showcase of the technologies, fuels, policies, and organizations to drive innovation and sustainability on our roadways. The 2021 event will be held August 30 through September 2 at the Long Beach Convention Center. More information is available on the [website](#).



### EPA Webinar on Developing and Maintaining Workforce and Equity Partnerships

The Office of Water at EPA invites you to register for their next Water Workforce Webinar on September 15<sup>th</sup> from 9:00am – 10:30am PT. This is part of an ongoing series of webinars to provide information across the water sector on ways utilities and others are addressing the challenges of building and maintaining a sustainable water workforce for the future. The September webinar will focus on building partnerships for effective state-wide workforce programs and efforts to attract talented individuals from disadvantaged communities into water utility jobs. To register, please follow this [registration link](#). PDHs will be available for those who attend the webinar.



### CAAWEF Leadership Summit and Fundraiser

Save the date for the California African American Water Education Foundation's (CAAWEF), Second Annual Leadership Summit and Fundraiser on Friday, November 19, in Long Beach, CA.



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 | 1225 8th Street, Suite 595, Sacramento, CA 95814

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**From:** Bay Area Clean Water Agencies <noreply@bacwa.org>  
**Sent:** Friday, August 6, 2021 10:15 AM  
**To:** Charles  
**Subject:** BACWA Bulletin - August 2021



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## BACWA Bulletin - August 2021

### Meetings

- Laboratory Committee - Tues 8/10
- Permits Committee - Tues 8/10

- Monthly TNI Training for Labs - Tues 8/17
- BAPPG - Wed 8/18
- Collection Systems Committee - Thurs 8/19
- Executive Board - Fri 8/20
- AIR Committee - Wed 9/1
- [Visit the Calendar for details.](#)

## Upcoming Events

- [BAYWORK Webinar](#) - Managing a Successful Capital Project - Tues 8/10
- [CASA Annual Conference](#) - 8/11 to 8/13
- [Clean Water Summit Partners PFAS Workshop](#) - Wed 9/1
- [CASA-CWEA Biosolids and Renewable Energy Seminar](#) - Wed 10/13

[View previous BACWA Bulletins](#)

## Proposed Permit Amendment Will Result in New Chlorine Limits

The Regional Water Board has released a [Tentative Order](#) for a blanket NPDES permit amendment for residual chlorine and oil & grease. Once effective, this amendment will modify effluent limitations for chlorine, and remove effluent limits for oil & grease. BACWA plans to submit a brief comment letter supporting the Tentative Order and proposing minor corrections by the August 20th due date for public comments. The Tentative Order will be considered at the October 13th meeting of the Regional Water Board.

## Clean Water Summit Partners hosting PFAS Workshop #4

The Clean Water Summit Partners will host their fourth workshop on Wednesday, September 1, from 1 PM to 4:30 PM on the State Water Board's [investigative order](#) requiring monitoring of PFAS. There is no cost to attend. Videos and

presentations from the previous workshops are archived [here](#). Register [here](#). The agenda includes:

- Updates from the SWB on their statewide PFAS investigations – Wendy Link
- Overview + Q&A of the monitoring report required after all four quarters of sampling by POTWs – SWB team and POTW template creator
- Update from BACWA on the findings from Phase 1 of the Bay Area PFAS study – Lorien Fono
- Encore and updated presentation on residential wastewater PFAS concentrations from the AEHS conference – Matt Smith (OC SAN), Steve Luis (Ramboll), and Wendy Link (SWB)
- Updates on Federal and State legislative and regulatory initiatives – Sarah Sapirstein, Jessica Gauger, and Jared Voskuhl
- Introduction to the CASA-Clean Water Action PFAS policy coalition – Jessica Gauger
- CARB & Regional New Air Toxic Emissions Reporting Regulations – Sarah Deslauriers

### **Water and Wastewater Scholarships Available for Fall 2021**

The Bay Area Consortium for Water & Wastewater Education ([BACWWE](#)) is offering scholarships for students taking water and wastewater courses at Gavilan College (Gilroy), Santa Rosa Junior College (Santa Rosa), and Solano Community College (Fairfield). Students are eligible for reimbursement of tuition, fees, and textbook costs (up to \$350 per student per course), with the continuing goal of increasing the pool of qualified workers for water/wastewater jobs! Applications are due September 17. Find out more at <https://bacwa.org/education/bacwwe/>

Please share this information with your workforce, with your ratepayers, and with any other targeted outreach that your agency conducts!



### **How Does Water Conservation Impact Your Agency?**

The State of California is assessing the economic and environmental impacts of forthcoming water use efficiency standards (AB1668-SB606). Impacts to wastewater collection, treatment, and recycling facilities will be considered in the assessment. Three separate short online questionnaires for wastewater agencies have been developed to inform the assessment:

- [Wastewater Collection Survey Link](#)
- [Wastewater Treatment Survey Link](#)
- [Recycled Water Survey Link](#)

PDF versions of the survey and more info are available on [CWEA's website](#). For reference, the indoor water use targets from the Department of Water Resources' [Draft Report to the Legislature on Results of the Indoor Residential Water Use Study](#) are:

- 2020 – 55 gpcd (no change)
- 2025 – 47 gpcd (5.5 gpcd less than current goals)
- 2030 – 42 gpcd (8 gpcd less than current goals)

BACWA strongly encourages you to take advantage of this opportunity to inform the State of the consequences of lowering water use efficiency standards. A CASA webinar regarding the survey was recorded and is available [here](#). Responses are due on **Friday, August 13th**.

## **2021 BACWA Biosolids Survey Underway**

BACWA is continuing to profile biosolids trends in the Bay Area by conducting the [2021 Biosolids Survey](#), covering activities in calendar years 2018, 2019, and 2020. A non-fillable PDF version of the survey can be viewed [here](#). You can view the report from the previous (2018) Biosolids Survey [here](#).

The survey should take an agency staff person familiar with your biosolids program about 20-30 minutes to complete. We would love your response by **August 31st**.

## BAPPG fact sheets on Gel Ice Packs now available

The Bay Area Pollution Prevention Group (BAPPG) has developed fact sheets regarding gel ice packs, which can clog drains. The fact sheets can be used for your own agency outreach efforts and can be downloaded [here](#) (cropped) or here ([no crop](#)).



## Regulatory Issues Matrix Updated

The [July 2021 version of the Key Regulatory Issues Summary matrix](#) is now available to familiarize members and their governing bodies with the regulatory issues facing BACWA and its member agencies. Questions? Ask Regulatory Program Manager [Mary Cousins](#)

## COVID-19 Updates

BACWA continues to hold all Executive Board and Committee meetings by videoconference. Executive Board meetings will resume in-person when required by State law regarding public meetings. Committee meetings will resume in-person

after meeting venues are open, which is not expected until Fall 2021. Questions and concerns can be directed toward Executive Director [Lorien Fono](#).

## Member News

[Send in](#) updates from your agency to post here

The Regional Water Board is recruiting for a [Water Resources Control Engineer](#) to work in the NPDES Wastewater and Enforcement Division. Job roles include pretreatment, pollution prevention, NPDES permitting, and sewer collection systems. The final filing date is Friday, Aug. 13.

## What's new in BACWA's Committees

### [AIR Committee](#)

The next meeting will occur on September 1st. Thank you to all members that participated in the methane and VOCs survey! Until then, members are encouraged to check out CASA's [one-page guide](#) on new requirements related to air toxics reporting .

### [BAPPG](#)

The next meeting has been re-scheduled for Wednesday, August 18, and will include our annual pollutant prioritization. See above for gel ice pack disposal outreach materials.

### [Collections Systems Committee](#)

The next meeting is on Thursday, August 19 and will include a presentation on pipe bursting of asbestos cement pipe.

### [Laboratory Committee](#)

The next regular committee meeting will on Tuesday, August 10th, and will feature a presentation by SFEI on Phase 1 of the PFAS Regional Study (joint event with Permits committee). The next [TNI monthly training session](#) is on Tuesday,

August 17th at 10 AM.

### O&M Infoshare

The next meeting is scheduled for Wednesday, August 25th.

### Permits Committee

The Permits and Lab committees are now developing comments on the Tentative Order blanket permit amendment for residual chlorine (see above). The next meeting is scheduled for Tuesday, August 10th, when the committee will convene jointly with the Lab Committee to hear about the results of the PFAS Regional Study.

### Pretreatment Committee

Stay tuned for an announcement about the next meeting date.

### Recycled Water Committee

At the July 20th meeting, the Committee initiated an update of the 2015 recycled water truck fill guide. Our next meeting is on Tuesday, September 28th. Don't forget to check out the Recycled Water Landscape Guide!

## Upcoming Events

### **August 10: Baywork Webinar - Managing a Successful Capital Project - Finance and Operations Perspective**

Want to make your capital project more successful? Hear from two finance and operations professionals from Valley Water on ways to improve communication and smooth the path to a project that is on time and within budget. Tuesday, August 10, 2021, 10 - 11:30 AM. Register [here](#).

### **Aug 11-13: CASA Annual Conference**

CASA is hosting its Annual Conference as an in-person event this year on August 11<sup>th</sup> - 13<sup>th</sup> at the Hilton San Diego Bayfront. The theme this year is "resiliency," and will feature topics such as drought, California's push for electrification, the changing nature of work, gender diversity and pay equity in the workforce,

communicating with diverse constituencies, and much more! Register [here](#).

### **October 13: CWEA-CASA Biosolids & Renewable Energy Seminar**

State regulations on organics diversion (SB1383) and possible new PFAS regulations are a call to action for the wastewater community. At this all-day seminar hosted by CWEA and CASA at the Regional Water Board office in Oakland, you will hear the latest case studies, regulatory action, and updates on innovative projects from utilities, technology innovators and regulators. More information and registration is available [in this flyer](#) or on the [CWEA website](#).

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## **BACWA External Representation**

Collaboration with outside groups and initiatives is an important facet of BACWA's mission. Below is a list of BACWA's representatives to these technical, regulatory, and management groups:

- RMP-Technical Review Committee: [Mary Lou Esparza](#); [Yuyun Shang](#); [Samantha Engelage](#)
- RMP Steering Committee: [Karin North](#); [Eric Dunlavey](#); [Amanda Roa](#)
- ASC/SFEI Governing Board: [Eileen White](#); [Lorien Fono](#)
- San Francisco Bay Nutrient Governance Steering Committee: [Eric Dunlavey](#); [Eileen White](#); [Lori Schectel](#)
- San Francisco Bay Nutrient Planning Subcommittee: [Eric Dunlavey](#)
- San Francisco Bay Nutrient Technical Workgroup: [Eric Dunlavey](#)
- SWRCB Nutrient Stakeholder advisory group:
- NACWA Task Force of Dental Amalgam: [Tim Potter](#)
- Summit Partners: [Amit Mutsuddy](#)
- BAIRWP: [Cheryl Muñoz](#); [Florence Wedington](#)
- NACWA Emerging Contaminants: [Karin North](#), [Melody LaBella](#)
- CASA State Legislative Committee - [Lori Schectel](#)
- ReNUWIt - [Jackie Zipkin](#); [Karin North](#)
- ReNUWIt One Water - [Jackie Zipkin](#);
- RMP Microplastics Liaison - [Artem Dyachenko](#)
- CASA Regulatory Workgroup - [Mary Cousins](#)
- Bay Area Regional Reliability Task Force - [Eileen White](#)
- WateReuse Workgroup on Recycled Water Policy - [Cheryl Muñoz](#)
- San Francisco Estuary Partnership - [Lorien Fono](#); [Eileen White](#)
- CPSC Policy Education Advisory Committee - [Colleen Henry](#)



- Ocean Protection Council - [Lorien Fono](#)
- SCVWD's Countywide Reuse Master Plan - [Karin North](#); [Pedro Hernandez](#)
- CHARG - Coastal Hazards Adaptation Resiliency Group - [Jackie Zipkin](#)
- BayCAN - [Lorien Fono](#), [Mary Cousins](#)

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**ITEM NO. 13 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, 2020 the General Manager billed LAVWMA 606 hours. For the fiscal year ending June 30, 2021 the General Manager billed LAVWMA 782 hours. More hours were billed this year due to EBDA, NPDES permit renewal, refunding, and capital project issues. That level of effort will likely continue into the fiscal year ending June 30, 2022.

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. The current focus is to get all items, particularly pipeline associated items into the GIS system. This effort will be useful as planning for the next pipeline inspection sections will begin in the next month or so.

**2. Records Management Project.**

This project is now completed and all files are searchable by key word. Files are considered active and inactive. Active files are stored in the main office for easy access. Inactive files are stored in boxes in a warehouse. A records management policy was approved many years ago and is under review to make sure it complies with state law. Destruction of records is temporarily on hold pending a return to the office under non-COVID-19 circumstances and the hiring of a new Administrative Assistant. The Administrative Assistant search has been put on hold pending a return to normalcy once COVID-19 is behind us. The person who was under consideration decided to pursue a master's degree and the program prohibits her from working until she finishes the program.

As a consequence, files are backing up and not being entered into the system. This would include agendas, minutes, resolutions, agreements, and other items. One possible solution to eliminate the backlog would be to hire the records management consultant to get all the files caught up. That would be a cost effective way to address the problem. The likely cost would be a less than \$500.

### **3. Wastewater Agency Response to COVID-19**

Member Agency staff continue to follow all current guidelines issued by the Governor and Alameda County. Plans are underway for staff to begin returning to the office under prescribed conditions. The Delta variant has resulted in mask requirements for all persons when indoors.

### **4. FYE21 Capital Project Planning**

Please refer to the Action Item List, **Attachment No. 13.a** for a status report on all capital projects for FYE21. 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. NPDES Permit Renewal**

The renewal of the NPDES Permit was considered by the Regional Water Quality Control Board (Regional Board) on May 12, 2021. It was included in the Uncontested Items and was approved unanimously by the Regional Board. The permit became effective July 1, 2021 and has a term of five years. Planning for the next permit renewal will need to begin in four years. A comprehensive table listing all required actions, sampling, reporting, and renewal actions that will include key dates is in development. Appropriate calendar appointments will also be sent to all appropriate parties.

### **7. Succession Planning**

Work on this task has slowed due to the refunding and capital project efforts. However, a draft job description has been prepared and was included in the May agenda packet. This item was reviewed by LAVWMA's Staff Advisory Group (SAG) on May 3, 2021. There were no significant comments on the job description. The SAG recommended that the succession plan include 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. Note that this is just the start of developing a comprehensive succession plan and more details will be provided at upcoming meetings. Once several major capital projects are well underway additional focus can be given to this task.

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Following is a brief description of major activities since the May 19, 2021 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.

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- Prepared items for the May 19 and July 26, 2021 Board Agendas and prepared packets for distribution. Posted same on the website.
- Drafted minutes from May 19 and July 26, 2021 Board meetings and revised based on comments received.
- Discussed possibility of cancelling August 18, 2021 meeting with General Counsel and Treasurer. Pump bids necessitated holding meeting. Created and distributed Outlook appointment for Zoom meeting. Drafted and finalized August 18, 2021 Board Agenda. Drafted staff reports for the August 18, 2021 Board packet.
- Provided a tour of the pump station and DSRSD treatment plant for Livermore Board members.
- Attended EBDA Commission for Master Agreement and DSRSD/Zone 7 Agreement approval. Notified Board and SAG members of approval of all items.
- Drafted RFP for SLSS engineering services and worked with General Counsel to finalize the RFP. Hosted prebid meeting and tour of SLSS.
- Coordinated the preparation of the technical specifications for the pump purchase bid packet. Worked closely with the consulting engineer and General Counsel to finalize the packet. Hosted mandatory prebid meeting and tour of pump station for pump vendors.
- Made updates to website as needed for files and legal requirements. Updated the new site to include new Board members and documents. Posted financial policies approved at the May 19, 2021 meeting for the refunding process to website. Posted RFP for the SLSS project. Posted Bid packet for the pump purchase. Posted both items on the CSDA RFP website.
- Received and sent the HydroScience proposal for SLSS engineering services to SAG members. Monitored and compiled ratings. Sent summary to SAG members with recommendation to award the project to HydroScience. Notified HydroScience of same and requested detailed scope of work to attach to the contract.
- Hosted Zoom bid opening for the pump purchase project. Summarized bids and shared with SAG members. Thoroughly reviewed Trillium's low bid. Contacted all five references listed in bid packet; received comments from four of them; comments were all positive. Notified Trillium of need to modify budget and get Board approval.
- Continued to work with General Counsel to track legislation of interest to LAVWMA and the member agencies.
- Worked with DSRSD staff and DTN Engineers on the MCC replacement project. Attended project update meetings. Reviewed all documents and correspondence between contractor, design engineer, and construction manager, including submittals, responses, requests for information, responses, and various technical reports required by the project. Coordinated and completed amendment to DTN agreement for additional services; increased cost ceiling from \$250,000 to \$270,000.
- Reviewed DSRSD's contractor proposal to install new wiring on the actuators at the pump station. Discussed options for funding. Suggested checking to see if it could be added to Royal Electric's project for the MCCs. Reviewed and approved Royal Electric's proposed

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contract change order. Cost was less than \$11,000 as compared with over \$50,000 for the other contractor.

- Worked with DSRSD staff as they implemented procedures responding to the new PG&E time of use schedule. DSRSD staff has done an excellent job during the summer period which has both peak and partial peak periods lasting from 2:00 p.m. to 11:00 p.m. Two pumps only have been used to pump fairly steadily during the off peak hours. This has greatly reduced cycling of the pumps.
- Monitored progress of other pump station and O&M projects managed by DSRSD staff, including SCADA and basin sealing.
- Reviewed and approved invoices for MCC design, Royal electric, MCC construction management, and corrosion control project for payment by DSRSD.
- Continued to Discuss Asset Management issues with DSRSD staff. LAVWMA will follow their lead.
- 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.
- Reviewed and provided comments on EBDA's disinfection master plan. Attended Zoom meetings and provided requested data. Participated in meeting and tour with EBDA consultant of pump station and SLSS.
- Tracked progress of Corpro cathodic protection project on the pipelines.
- Continued working on coordinating a replacement for Sue Montague when she retires. Temporarily on hold pending COVID-19 issues.
- Participated in CASA/CWEA/WEF webinars related to managing COVID-19 issues including the virus's presence in wastewater influent, effluent, biosolids, and disinfection practices.
- Attended EBDA Managers Advisory Committee (MAC) meetings. Made notes of same and shared with SAG members.
- Prepared Modification No. 1 to the FY2021/22 O&M and Capital Budget for Board consideration.
- Worked with Treasurer, General Counsel, Bond Counsel, Underwriter, and member agencies on issues related to debt refinancing. This included many iterations of various documents, including the following: Preliminary Offering Statement, Indenture of Trust, Sewer Service Contract, Bond Purchase Agreement, Escrow Deposit and Trust Agreement, Continuing Disclosure Certificate, and other related documents. Participated in numerous Zoom meetings with refunding team. Reviewed and finalized agreement with bond counsel and sent for signatures via DocuSign. Participated in Zoom meeting with S&P for determining the bond rating; responded to various questions. Reviewed and commented on preliminary rating letter, AA. Reviewed final rating letter, still AA. Searched files and emails to try to find evidence of having timely filed FYE17 audit report. Found notice of late report and email sending same to DSRSD staff. Received notice from MuniOS that the POS had been posted. Created an account, downloaded, and reviewed the POS, 764 pages. Participated in

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prepricing Zoom meetings and the summary meeting on August 11, 2021. Refer to Agenda Item No. 8 for the very positive results of the refunding process.

- Participated in NPDES permit renewal process for EBDA, DSRSD, and Livermore.
- Prepared and submitted monthly invoices for LAVWMA General Management services.
- Logged into Samsara website at various times to monitor pump station and flows.
- Reviewed and approved DSRSD monthly invoices for O&M services. Worked with DSRSD staff to move staff time for pipeline inspection project from O&M to capital projects, approximately \$70,000.
- Continued working with EBDA and LAVWMA agency staff to address enterococcus issues.
- Set up a DocuSign account to comply with Electronic Signature Policy. Began using it for Board Resolutions, Agreements, minutes, and other documents.
- Reviewed EBDA and DSRSD agenda packets.
- Responded to various emails and phone calls from outside agencies and organizations.

#### **Next Meeting**

The next Regular Board meeting is scheduled for November 17, 2021.

#### **Recommendation**

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

#### **Attachments**

13.a. Action Item List

## LAVWMA Action Item List

Month: Aug-21

SAG Task	Responsible Party	Due Date	Status	Completion Date
Items for August 18, 2021 LAVWMA Board Meeting.	SAG	NA	Due to the short time frame between the continued July 26, 2021 and the August 18, 2021 meeting no SAG meeting was held. SAG members were part of the review process for the SLSS project. They also reviewed the pump bids and Trillium's lowest responsive, responsible bid. They were notified of the plan to modify the budget and award Trillium the pump purchase project. No comments were received.	
Operations Coordination Committee Task	Responsible Party	Due Date	Status	Completion Date
<b>FYE21 Replacement Projects: See Items Below</b>	Weir/Zavadil/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 proceeding on schedule. All submittals and RFIs have been addressed. A field meeting was held on June 26, 2021. Royal Electric moved on site July 6, 2021. The MCCs are currently being manufactured. Maurice Atendido and Diep Nguyen visited the Eaton manufacturing plant in Ashville NC on July 14, 2021. Tests were successful. Change order issued to replace the wiring for the actuators on the pump deck. The first two MCCs are scheduled for delivery on August 9, 2021.	
Purchase Three New Pumps and Rebuild Two Associated Motors. Estimated cost has increased to \$460,000	Weir/Quinlan	6/30/2022	Bid packet was posted and distributed on July 6, 2021. A mandatory prebid meeting was held on July 15, 2021 and was attended by four pump vendors. Addendum No. 1 was issued on August 2, 2021. Four bids were received by the deadline of August 5, 2021. Bids ranged from \$357,057 to \$941,200. Trillium submitted the low bid. References have been contacted and have been positive. Budget Modification No. 1 to increase the project cost and award the contract to Trillium will be considered by the Board on August 18, 2021.	
Resealing of all Three Storage Basins. Estimated cost \$200,000	Quinlan	12/31/2020	Project is complete.	5/1/2021
San Leandro Sample Station Design Improvements. Estimated cost \$670,000	Weir	6/30/2022	RFP for engineering services was posted to the website on June 28, 2021. A non-mandatory site visit is scheduled for June 13, 2021. Proposals were due 5:00 p.m. Monday, July 26, 2021. HydroScience was the only one to submit a bid. SAG members reviewed and rated the proposal; average score of 81.5 out of 90. HydroScience has been notified on the intent to award the project to them. They are preparing a detailed scope of work to attach to the agreement. Their cost estimate is \$173,545 and the budget for engineering services is \$185,000.	
Road Drainage Improvements at the Pump Station. Estimated cost \$35,000	TBD	12/31/2020	To be combined with similar projects at DSRSD.	
Cathodic Protection Projects. Estimated cost \$185,000	Weir/Atendido	12/31/2020	Corrpro has completed most items that did not require any excavation. Permits have been received for three projects needing excavation and were provided to Corrpro. They are in the process of scheduling their work.	
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 are being held.	
Pipeline Inspection. Estimated cost \$100,000	TBD	6/30/2021	Scope will be based on the results and recommendations of the HydroScience (National Plant Services) inspection project. Inspection site selection will begin soon.	
Smart Detectors on High Maintenance Air/Vac and Air Release Valves. Estimated cost \$40,000	TBD	6/30/2021	The smart detectors are intended to help prevent leaks from the valves along the forcemain system. Three have been installed for testing and have proven to be beneficial.	
Rewiring the actuators on the pump deck. Estimated cost \$50,000.	Atendido	12/31/2021	Royal Electric provided a change order estimate of \$10,500, which has been issued.	
<b>Other Items</b>				
Wet Weather Issues	Sevilla	10/31/2020	Meeting will be scheduled soon.	
Live test of SLSS system	Sevilla/Atendido	TBD	Conducted in April 2019. No significant issues. Has been impossible to plan for a test due to COVID-19 restrictions.	
Live test of Alamo Canal discharge during wet weather	Carson/Sevilla	TBD	Test postponed due to COVID-19. Was planning on this winter, but will likely be delayed until 2022 due to COVID-19.	
Wet Well Isolation Gates	Quinlan	6/30/2019	Gate is in good shape but won't fully close. No date set, perhaps this winter.	
EBDA Enterococcus Issue	Sevilla		No issues at this time.	
YTD O&M Expenses compared to budget	Carson, Weir	Ongoing		