



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

**Wednesday, August 16, 2023, 6:00 p.m.**

**Dublin San Ramon Services District Board Room\*  
 7051 Dublin Boulevard  
 Dublin, California**

**1. Call to Order**

\* Pursuant to Government Code 54953, Director Johnson will participate via traditional teleconference from the following address: 900 SE 100th Ave, Vancouver, WA 98664.

**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 physically in the display case outside the DSRSD Building, and, as a courtesy when possible, under the circumstances, at 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.)

**Action**

**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.)

**Action**

**Pages 5 – 9**

**6.a. Board Meeting Minutes for the May 17, 2023 meeting**

(The Board will consider approving the minutes from the February 15, 2023 Board meeting.)

**Resolution**

**Pages 10 – 14**

**6.b. Resolution No. 23-05 Approving Continuation of Emergency Action Procurement for the Repair of the Livermore Interceptor Pipeline**

(The Board will consider extending the timeline for the General Manager to enter contracts for continuing actions to repair the exposed Livermore interceptor pipeline at Arroyo Mocho creek.)

**Information**

**Pages 15 – 18**

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

(The Board will review the Financial Reports and other financial items for the Fiscal Year ending June 30, 2023.)



- 17. Closed Session**  
**Conference with Real Property Negotiators (Gov. Code § 54956.8)**  
(Government Code Section 54956.8)  
Property: APN #: 904-1-6-2  
Agency Negotiators: LAVWMA General Manager, Charles V. Weir; LAVWMA General Counsel, Alexandra M. Barnhill; and Special Counsel, Edward Low  
Negotiating Parties: CalMat  
Under Negotiation: Price and Terms of Payment
- 18. Closed Session**  
**Conference with Real Property Negotiators (Gov. Code § 54956.8)**  
(Government Code Section 54956.8)  
Property: APN #: 946-1128-4-3, 904-1-6-1  
Agency Negotiators: LAVWMA General Manager, Charles V. Weir; LAVWMA General Counsel, Alexandra M. Barnhill; and Special Counsel, Edward Low  
Negotiating Parties: County of Alameda Flood Control and Water Conservation District (Zone 7)  
Under Negotiation: Price and Terms of Payment
- 19. Closed Session**  
**Conference with Real Property Negotiators (Gov. Code § 54956.8)**  
(Government Code Section 54956.8)  
Property: APN #: 946-1128-4-4  
Agency Negotiators: LAVWMA General Manager, Charles V. Weir; LAVWMA General Counsel, Alexandra M. Barnhill; and Special Counsel, Edward Low  
Negotiating Parties: USL Pleasanton Lakes LP / Steelwave  
Under Negotiation: Price and Terms of Payment
- 20. Next Regular Board Meeting, Wednesday, November 15, 2023, 6:00 p.m. at DSRSD**
- 21. Adjournment**

**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 live comments and read into the record.

**Live Comments:** During the meeting, the Board Chair or designee will announce the opportunity to make public comments. Speakers will be asked to provide their name and city of residence, although providing this is not required for participation. Each speaker will be afforded up to 3 minutes to speak.

## LAVWMA Regular Meeting of August 16, 2023

### **ACCESSIBILITY INFORMATION:**

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

### **CEQA NOTICE:**

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

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**LAVWMA**  
**Livermore-Amador Valley Water Management Agency**  
**Minutes**  
**Draft**  
**Special Meeting of Board of Directors**  
**Wednesday, May 17, 2023**  
**6:00 p.m.**

**1. Call to Order**

Chair Julie Testa called the meeting to order at 6:01 p.m.

**2. Pledge of Allegiance**

The Pledge of Allegiance was recited.

**3. Roll Call**

Board Members Present: Chair Julie Testa; Vice Chair Bob Carling; and Directors Arun Goel, Ann Marie Johnson, John Marchand, and Jeff Nibert

Staff Present: General Counsel Alexandra Barnhill, Treasurer Carol Atwood, DSRSD Operations Director Jeff Carson, DSRSD Administrative Assistant Sheree Davis, Livermore Water Resources Manager Anthony Smith, DSRSD Engineering Services Director Steve Delight, DSRSD Senior Engineer Jason Ching, DSRSD Assistant Engineer Karla Castro, and General Manager Chuck Weir

Others: None

**4. Order of Agenda/Acknowledgement of Posting**

There were no changes to the Agenda.

**5. Comments from the Public**

There were no comments from the public.

**6. Consent Calendar**

- a. Board Meeting Minutes for the February 15, 2023 meeting.

**Director Carling motioned, seconded by Director Nibert, to approve Consent Calendar Item Nos. 6.a.**

There were no comments from the public. The Motion passed unanimously (5 – 0 – 1) with one abstention (Marchand).

## 7. Annual Board Rotation

**Director Marchand motioned, seconded by Director Johnson, to elect Vice Chair Carling as Chair and Director Goel as Vice Chair for Fiscal Year 2023/24.**

There were no comments from the public. The motion passed unanimously (6 – 0).

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

Treasurer Atwood provided a summary of the third quarter financial report for the Fiscal Year Ending June 30, 2023. She noted that several items are tracking above budget due to the number of heavy storms this year. These include labor, power, and contract services. She also noted that the return on investments continues to increase due to the investment in T-bills through the Charles Schwab account. Lastly, she provided a summary of the auditor selection process and selection. Director Nibert asked whether or not staff from Maze & Associates would be hands on or not. Treasurer Atwood stated that since the pandemic most of the audit work is now done electronically.

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

## 9. LAVWMA Quarterly Report of Operations, 3rd Quarter, FY2022-2023

General Manager Weir and DSRSD Operations Director Carson provided an overview of the report and noted the various charts showing pump performance, electrical usage, and maintenance activities. They also highlighted the increased operational issues that needed to be addressed during the storm events and their impact on the budget.

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

## 10. Project Status Reports – Purchase of Three Vertical Turbine Pumps, and the San Leandro Sample Station Improvements Project

General Manager Weir stated that the MCC project was finalized and no longer on the list of ongoing projects. Regarding the pump replacement project, the General Manager noted that the delivery date for the pumps is now July 31, 2023, which is an improvement over the last delay notification. This one is only from July 15, whereas prior notices were for at least two months. The San Leandro Sample Station is proceeding. The front end specifications, with the exception of the schedule, have been completed, and are being finalized. The issues with the Home Owners Association have been resolved. The bid packet will be issued in May or early June 2023. Depending on the bid responses it may be necessary to hold a special meeting for the Board to award a contract to the lowest responsive responsible bidder.

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

### **11. Project Status Reports – Review of Options to Address PG&E Electrical Service Reliability and Photo Voltaic / Battery Storage Options**

General Manager Weir Provided a summary of the issues related to PG&E electrical service reliability, and the recommendations of the Woodard & Curran report that was included in the packet. A new capital project will install the necessary equipment including connections and transformer to reduce the time needed to successfully connect a standby generator to provide power for four pumps during PG&E outages. The concept was successfully tested earlier this year. The Board expressed their support for entering into a contract with a generator rental company to ensure availability of a generator during emergency conditions.

The General Manager also provided an update on the photo voltaic / battery storage option. DSRSD is the property owner and is in the process of completing its own Energy Master Plan that may or may not include a solar panel project at the pump station site. Since DSRSD is the property owner they have requested that LAVWMA not pursue a separate solar project.

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

### **12. A Resolution of the Livermore-Amador Valley Water Management Agency Declaring an Emergency Pursuant to Public Contract Code Section 22050 and Authorizing Emergency Work**

General Manager Weir discussed the damage to the Livermore pipeline where it crosses Arroyo Mocho Creek and the Carollo Engineers report on options to address the situation that was included in the packet. To prevent further damage to the pipeline, an emergency declaration is requested by the Board. This would allow staff to resolve the problem in a timely manner and not have to comply with the typical public bidding requirements. The emergency is based on declarations at the State and County level related to the damage caused by the recent storm events and the need to ensure wastewater services are not disrupted in the event of further damage to this pipeline. There are three options described in the Carollo report and the preferred option uses trenchless technology which will be quicker and less disruptive than the trenching method. Director Goel noted that the trenchless technology method may be slightly more expensive, but the permitting will be much less onerous, and there is no construction within an active waterway. Director Nibert noted his successful experience with PG&E and trenchless technology used to install a large natural gas pipeline. General Manager Weir also noted that possible reimbursement from FEMA or the state was also being pursued. General Counsel Barnhill advised that the work would be exempt from CEQA pursuant to specified emergency work exceptions.

**Director Marchand motioned, seconded by Director Goel, to approve a Resolution of the Livermore-Amador Valley Water Management Agency Declaring an Emergency Pursuant to Public Contract Code 22050 and Authorizing Emergency Work.**

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

### **13. Proposed Operating and Capital Budget for Fiscal Year 2023/24**

General Manager Weir provided a summary of the FYE24 Budget and described the process of working closely with DSRSD Operations Director, Jeff Carson, and his staff to agree on budget figures such that there would be no differences between the DSRSD and LAVWMA budgets. As previously described there will be increases due to power and labor costs. In addition, there will be increases in EBDA costs for power, chemicals, and Regional Monitoring Program (RMP) costs. There was a discussion as to why the member agency's loads for copper, nickel, selenium, and mercury increased in 2022 relative to the EBDA plants resulting in an increase in the RMP costs. General Manager Weir also discussed the debt financing and capital projects, with no recommended increase in the annual deposit to the renewal and replacement fund. There are over \$5 million dollars in capital projects pending, including many that have been carried over from prior years. It is doubtful they can all be completed prior to the General Manager's retirement but they are on the list and progress will be made over time.

### **Vice Chair Carling motioned, seconded by Director Goel, to approve the Proposed Operating and Capital Budget for Fiscal Year 2023/24.**

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

### **14. Update and Response to Various Legal and Legislative Issues**

General Manager Weir provided an overview of the various May 2023 updates from CASA and BACWA. These documents provide information related to all the regulatory issues facing wastewater treatment agencies, including nutrients, PFAS, and collection systems. There was discussion of an upcoming requirement under the Advanced Clean Fleet regulations that will require conversion of all public agency fleet vehicles, including large sewer maintenance vehicles, from gasoline or diesel power to electric power. Board members suggested agencies may want to install charging stations well in advance before parts become scarce and more expensive. Two CASA supported bills related to PFAS, AB227 and AB246, are currently moving through the legislature. General Manager Weir stated that he and General Counsel Barnhill will work with the Chair to support CASA letters. Lastly, the new General Order requiring updates to agency Sewer System Master Plans requires their completion in early June 2023.

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

### **15. General Manager's Report**

General Manager Weir highlighted several areas of his report, including asset management, succession planning, capital projects, and PG&E usage. DSRSD continues to do a great job in minimizing demand charges.

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



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

There were no items from Board members. There were no comments from the public.

**17, Next Regular Board Meeting, Wednesday, August 16, 2023 at 6:00 p.m.**

The next Board meeting will be held in person at DSRSD's Board Room.

There were no comments from the public.

**18. Adjournment**

There being no further action, Chair Testa adjourned the meeting at 7:01 p.m.

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

Charles V. Weir  
General Manager

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**ITEM NO. 6.b RESOLUTION NO. 23-05 RESOLUTION APPROVING  
 CONTINUATION OF EMERGENCY ACTION PROCUREMENT BY THE GENERAL  
 MANAGER FOR REPAIR OF THE LIVERMORE INTERCEPTOR PIPELINE**

**Action Requested**

Approve Resolution No. 23-05 Approving Continuation of Emergency Action Procurement for Repair of the Livermore Interceptor Pipeline.

**Background**

Following the discovery of the Livermore Interceptor Pipeline’s exposure due to significant erosion caused by the most recent severe winter storms, Livermore-Amador Valley Water Management Agency (LAVWMA) and Dublin San Ramon Services District (DSRSD) declared States of Emergency to begin the effort to design a repair project. The General Manager is providing an update on the status of that effort and the continuing need for emergency action procurement.

**Discussion**

From late 2022 through March of 2023, a series of severe winter storms characterized as “atmospheric rivers” struck California bringing damaging winds and historic precipitation. On February 9, 2023, District staff discovered that these storms had left a portion of LAVWMA’s Livermore Interceptor Pipeline, and its associated manhole, exposed in the Arroyo Mocho Creek, causing significant erosion in the nearby creek bed and banks.

On May 17, 2023, the LAVWMA Board of Directors approved Resolution No. 23-04, declaring a State of Emergency and approving emergency action procurement by the General Manager for the repair of the LAVWMA Livermore Interceptor Pipeline. Per state law, the Declaration of the LAVWMA State of Emergency shall be reviewed by the Board of Directors at every regular meeting to determine, by a four-fifths vote, that there is a need to continue the emergency action.

Under the emergency authorization, two task orders have been issued by DSRSD to date. A task order, in an amount not to exceed \$556,263, was awarded to Carollo Engineers on June 23, 2023 for engineering design services, including property rights acquisition and permitting support services. A second task order, in an amount not to exceed \$30,000, was awarded to DPI, Inc. on the same date for construction design services including constructability review, material procurement assessments, and construction cost estimating.

To complete the project before the next wet season (end of October 2023), an aggressive project and implementation schedule is required. The 50% design was completed on July 21, 2023, and DSRSD staff is actively engaging with DPI, Inc. on constructability review, material selection and procurement, and construction costs. In parallel with the design effort, LAVWMA and

DSRSD staff and counsel also continue to work with property owners on negotiating property rights for the new pipeline easements and right-of-entry permits, coordinating with respective agencies for the acquisition of environmental permits and encroachment permits, pursuing federal funding through the Federal Emergency Management Agency (FEMA), pursuing state funding through California Office of Emergency Services (Cal OES), and procuring long lead-time materials including large-diameter piping and valves. Additional task orders, purchase orders, and/or other contracts are expected to be awarded in the near term for property acquisition, material procurement, additional construction services, and construction management services.

To ensure the project can meet the aggressive project schedule, staff recommends the LAVWMA Board find the need to continue the State of Emergency reflected by Resolution No. 23-05. Expedited action, including the emergency procurement of construction materials, equipment, construction services, and construction management services, is necessary to mitigate any additional damage to the pipeline and avoid the potential discharge of treated wastewater effluent to the Arroyo Mocho Creek. A four-fifths vote is necessary to extend the emergency.

**Recommendation**

Consider Adopting Resolution No. 23-05 Approving Continuation of Emergency Action Procurement for Repair of the Livermore Interceptor Pipeline.

**Attachments**

Resolution No. 23-05 Approving Continuation of Emergency Action Procurement for Repair of the Livermore Interceptor Pipeline.

**LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY**

**RESOLUTION NO. 23-05**

**RESOLUTION APPROVING CONTINUATION OF EMERGENCY ACTION  
PROCUREMENT FOR REPAIR OF THE LIVERMORE INTERCEPTOR PIPELINE**

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

WHEREAS, on February 9, 2023, LAVWMA and Dublin San Ramon Services District (“DSRSD”) discovered that recent severe winter storms, which brought strong winds and abnormally high precipitation, had left a portion of LAVWMA’s Livermore Interceptor Pipeline and its associated manhole exposed in the Arroyo Mocho Creek and caused significant erosion in the nearby creek bed and banks; and

WHEREAS, the possibility of the Livermore Interceptor Pipeline to fail, potentially causing discharge of wastewater or interruption of service could impact the creek and environmentally sensitive areas nearby, presents a substantial risk to public health and safety; and

WHEREAS, on May 17, 2023, the LAVWMA Board unanimously approved Resolution No. 23-04, declaring an emergency pursuant to Public Contract Code Section 22050 and authorizing emergency work for the repair of the exposed Livermore Interceptor Pipeline;

WHEREAS, pursuant to the Agreement for Maintenance of LAVWMA Facilities dated January 15, 1980, and Amendment No. 1 thereto dated June 4, 2021, DSRSD provides all required operation and maintenance tasks for LAVWMA facilities; and

WHEREAS, pursuant to the JPA, the Livermore Interceptor Pipeline carrying effluent from the Livermore Treatment plant to the joint use facilities is a sole-use facility and is allocated 100 percent to Livermore; and

WHEREAS, on June 12, 2023, DSRSD’s General Manager declared a State of Emergency to comply with its contractual obligations to LAVWMA to manage all emergency operations and make decisions to allocate resources and expend funds as necessary to meet the needs of the emergency;

WHEREAS, pursuant to DSRSD Resolution 22-23, on August 1, 2023, the DSRSD Board confirmed the District State of Emergency declared on June 12, 2023; and

WHEREAS, initial engineering and operational reports by DSRSD and its consultants show the Livermore Interceptor Pipeline must be realigned to avoid its continued exposure in the Arroyo Mocho Creek, necessitating that the equipment, services, and supplies for this repair

project must be secured as soon as possible and without giving notice for bids for repair or replacement of a public facility to facilitate expedited construction prior to the rainy season; and

WHEREAS, the General Manager must report to the Board at each regularly scheduled meeting until the State of Emergency is terminated the reasons justifying why the emergency will not permit a delay resulting from a competitive solicitation for bids; and

WHEREAS, the General Manager provided such a report at its regular meeting held on August 16, 2023.

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

1. The foregoing recitals are true and correct; they are material to the Board's findings and are hereby incorporated herein.
2. The Board confirms the need for the LAVWMA Livermore Interceptor Pipeline State of Emergency still exists for the same reasons as previously declared in Resolution 23-04.
3. The Board of Directors hereby finds, based on substantial evidence, that the emergency will not permit a delay resulting from a competitive solicitation of bids, and that immediate action to repair or replace the exposed pipeline and associated conditions is necessary to respond to the emergency and thereby prevent the discharge of wastewater and ensure uninterrupted wastewater service.
4. Based on the foregoing, LAVWMA may repair or replace the public facility, take any directly related and immediate action required by the emergency, and procure the necessary equipment, services, and supplies for those purposes, without giving notice for bids to let contracts, pursuant to Public Contract Code section 22050(a)(1).
5. Pursuant to Public Contract Code section 22050(b), the Board of Directors hereby directs and authorizes the General Manager, in consultation with General Counsel, to order any action pursuant to Public Contract Code section 22050(a)(1) to address the emergency posed as a result of the exposed pipeline.
6. The Board of Directors further finds, based on substantial evidence, that the actions taken to repair or replace the public facility are exempt from CEQA pursuant to CEQA Guidelines Sections 15269, 15301, 15302, 15303 and 15304 because the activity involves emergency repairs to or replacement of an existing publicly-owned wastewater pipeline that was damaged as a result of a disaster in an area subject to a state of emergency. The Board further finds that there are no unusual circumstances and there will be no expansion of use of the pipeline as a result of the repair or replacement efforts.

DULY AND REGULARLY ADOPTED by LAVWMA this 16th day of August, 2023, by the following vote:

AYES:

NOES:

ABSENT:

LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY

By: \_\_\_\_\_

Bob Carling, Chair

ATTEST:

By: \_\_\_\_\_

Charles V. Weir, General Manager

**ITEM NO. 7 FINANCIAL REPORTING FOR THE FISCAL YEAR ENDING JUNE 30, 2023**

**Action Requested**

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

To: LAVWMA Board of Directors  
From: Carol Atwood, LAVWMA Treasurer  
Subject: Financial Reporting for June 30, 2023

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**Summary**

Attached are the financial statements for the period ending June 30, 2023.

**Attachments**

**O&M Fund Budget vs. Actual** – Shows the status of the budget to actual expenses for the Operations & Maintenance Fund for the period July 1, 2021 through June 30, 2022 and the period July 1, 2022 through June 30, 2023 (preliminary).

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

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

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LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY  
 Operations and Maintenance - Budget vs Actual  
 July 2021 - June 2022 & July 2022 - June (preliminary) 2023

	FYE 2022			FYE 2023		
	Budget	Actual	Variance	Budget	Actual	Variance
<b>OPERATING REVENUES</b>						
Service charges - DSRSD	\$ 1,113,743	\$ 1,113,743	\$ -	\$ 1,133,248	\$ 1,133,248	\$ -
Service charges - City of Pleasanton	1,323,867	1,323,867	-	1,382,392	1,382,392	-
Service charges - City of Livermore	1,172,870	1,172,870	0	1,224,706	1,224,706	-
Service charges - Reconciled		(230,481)	(230,481)		(230,480)	(230,480)
Total operating revenues	3,610,480	3,379,998	0	3,740,346	3,509,865	-
<b>OPERATING EXPENSES</b>						
Power	1,250,000	1,360,016	110,016	1,500,000	2,030,320	530,320
LAVWMA share of EBDA O&M - Fixed	689,052	732,771	43,719	676,965	714,792 (2)	37,827
LAVWMA share of EBDA O&M - Variable	150,828	116,432	(34,396)	160,959	89,422 (2)	(71,538)
Operations agreement	1,011,500	793,133	(218,367)	927,500	1,517,510	590,010
Professional services	380,100	223,324	(156,776)	329,917	218,349 (2)	(111,568)
Livermore sole use O&M	25,000	22,538	(2,462)	25,000	26,191	1,191
Insurance	84,000	102,358	18,358	96,926	122,571 (2)	25,645
Permits	20,000	-	(20,000)	23,078	-	(23,078)
Repairs and Maintenance	-	34,574	34,574	-	-	-
Miscellaneous	-	-	-	-	-	-
Total operating expenses	3,610,480	3,385,144	(225,336)	3,740,345	4,719,154	978,810
Capital outlay			-			-
Total operating expenses and capital outlay	3,610,480	3,385,144	(225,336)	3,740,345	4,719,154	978,810
Operating income (loss)	-	(5,146)	225,336	-	(1,209,289)	(978,810)
<b>NON-OPERATING REVENUES (EXPENSES)</b>						
Interest income	-	5,146	5,146	-	29,387	29,387
Total non-operating revenues (expenses)	-	5,146	5,146	-	29,387	29,387
Net Income	\$ -	\$ (0)	\$ 230,482	-	(1,179,903)	(949,423)

(1) Included FYE22 O&M reconciliation true-up.

(2) Total of the noted expenses is \$221,798 for the fiscal year. For details see General Management Expenses Listing.





Livermore-Amador Valley Water Management Agency  
 General Management Expenses Listing  
 July 2022 - June 2023

P	EFF DATE	SRC	REF1	REFERENCE	AMOUNT	ORG	OBJECT	CHECK NO	WARRANT	VDR NAME/ITEM DESC	COMMENTS
Y	12/05/2022	API	00231	1144	350.00	87000000	812100	201203	ck120822	RECORDS CONTROL SERVICES	LAVWMA: RECORDS IMPROVEMENT PR
Y	12/22/2022	API	00180	W 122922	2,150.00	87000000	812100	201391	ck122922	U.S. BANK EQUIPMENT FINANCE	Trustee Fee - 08/01/22 - 07/31
Y	01/31/2023	API	00929	W 020223	225.00	87000000	812100	201622	ck020223	COMPUTER COURAGE INC.	Strategy, Project Management &
Y	03/29/2023	API	00929	W 042023	75.00	87000000	812100	202173	ck042023	COMPUTER COURAGE INC.	General Website Updates
Y	08/24/2022	API	00664	405	55.00	87000000	812100	200187	ck082522	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES - J
Y	08/24/2022	API	00664	405	9,655.15	87000000	812100	200187	ck082522	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES - J
Y	09/07/2022	API	00664	515	12,579.20	87000000	812100	200296	ck090822	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES-FY2
Y	10/11/2022	API	00664	729	5,700.90	87000000	812100	200635	ck101322	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES-FY2
Y	12/06/2022	API	00664	1167	9,981.10	87000000	812100	201284	ck122222	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES - F
Y	12/06/2022	API	00664	1167	12,791.52	87000000	812100	201229	ck121522	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES-FY
Y	02/15/2023	API	00664	W 021623	11,465.74	87000000	812100	201762	ck022323	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES-FY2
Y	04/20/2023	API	00664	W 051123	12,011.71	87000000	812100	202313	ck051123	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES - F
Y	05/10/2023	API	00664	W 060123	13,050.31	87000000	812100	202485	ck060123	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES-FY2
Y	06/07/2023	API	00664	W 062223	6,578.75	87000000	812100	202652	ck062223	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES - A
Y	06/07/2023	API	00664	W 062223	17,921.88	87000000	812100	202652	ck062223	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES - M
Y	06/07/2023	API	00664	W 062223	8,701.34	87000000	812100	202652	ck062223	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES - M
Y	06/30/2023	API	00664	W fy23	11,171.47	87000000	812100	202847	ck071323	CHARLES V. WEIR	LAVWMA MANAGEMENT SERVICES- Ju
Y	12/20/2022	API	00908	1255	50.00	87000000	812100	201330	ck122222	JULIE TESTA	SPECIAL BOARD MTG ATTENDANCE
Y	12/20/2022	API	00908	1255	50.00	87000000	812100	201330	ck122222	JULIE TESTA	SPECIAL BOARD MTG ATTENDANCE -
Y	12/20/2022	API	01006	1255	50.00	87000000	812100	201297	ck122222	ROBERT CARLING	SPECIAL BOARD MTG ATTENDANCE -
Y	12/20/2022	API	01006	1255	50.00	87000000	812100	201297	ck122222	ROBERT CARLING	SPECIAL BOARD MTG ATTENDANCE -
Y	12/20/2022	API	01007	1255	50.00	87000000	812100	201295	ck122222	GINA BONANNO	SPECIAL BOARD MTG ATTENDANCE -
Y	12/20/2022	API	01007	1255	50.00	87000000	812100	201295	ck122222	GINA BONANNO	SPECIAL BOARD MTG ATTENDANCE -
Y	12/20/2022	API	01007	1255	50.00	87000000	812100	201293	ck122222	VALERIE ARKIN	SPECIAL BOARD MTG ATTENDANCE -
Y	12/20/2022	API	01007	1255	50.00	87000000	812100	201293	ck122222	VALERIE ARKIN	SPECIAL BOARD MTG ATTENDANCE -
Y	12/20/2022	API	01007	1252	50.00	87000000	812100	201293	ck122222	VALERIE ARKIN	SPECIAL BOARD MTG ATTENDANCE -
Y	12/20/2022	API	00908	1252	50.00	87000000	812100	201330	ck122222	JULIE TESTA	SPECIAL BOARD MTG ATTENDANCE -
Y	12/20/2022	API	01007	1252	50.00	87000000	812100	201295	ck122222	GINA BONANNO	SPECIAL BOARD MTG ATTENDANCE -
Y	02/21/2023	API	01006	W 022323	50.00	87000000	812100	201771	ck022323	ROBERT CARLING	SPECIAL BOARD MTG ATTENDANCE -
Y	02/21/2023	API	00908	W 022323	50.00	87000000	812100	201789	ck022323	JULIE TESTA	SPECIAL BOARD MTG ATTENDANCE -
Y	02/27/2023	API	01091	W 030223	50.00	87000000	812100	201823	ck030223	JEFF NIBERT	SPECIAL BOARD MTG ATTENDANCE -
Y	05/23/2023	API	00536	W 060823	50.00	87000000	812100	202558	ck060823	JOHN MARCHAND	SPECIAL BOARD MTG ATTENDANCE -
Y	05/23/2023	API	00908	W 060823	50.00	87000000	812100	202576	ck060823	JULIE TESTA	SPECIAL BOARD MTG ATTENDANCE -
Y	05/23/2023	API	01006	W 060823	50.00	87000000	812100	202541	ck060823	ROBERT CARLING	SPECIAL BOARD MTG ATTENDANCE -
Y	05/23/2023	API	01091	W 060823	50.00	87000000	812100	202557	ck060823	JEFF NIBERT	SPECIAL BOARD MTG ATTENDANCE /
Y	08/24/2022	API	00784	405	5,410.00	87000000	812100	200208	ck082522	JARVIS FAY LLP	GENERAL COUNSEL SVCS - JULY 20
Y	09/20/2022	API	00784	577	3,005.00	87000000	812100	200409	ck092222	JARVIS FAY LLP	GENERAL COUNSEL SVCS - Aug. 20
Y	10/17/2022	API	00784	781	185.00	87000000	812100	200727	ck102022	JARVIS FAY LLP	GENERAL COUNSEL SVCS - Septemb
Y	11/21/2022	API	00784	1044	592.00	87000000	812100	201056	ck112222	JARVIS FAY LLP	GENERAL COUNSEL SVCS - FY23 Oc
Y	12/16/2022	API	00784	1233	3,922.00	87000000	812100	201311	ck122222	JARVIS FAY LLP	GENERAL COUNSEL SVCS FY23 - No
Y	01/13/2023	API	00784	1404	1,110.00	87000000	812100	201522	ck011923	JARVIS FAY LLP	GENERAL COUNSEL SVCS -FY23
Y	03/13/2023	API	00784	W 031623	6,952.00	87000000	812100	202037	ck033023	JARVIS FAY LLP	GENERAL COUNSEL SVCS -FY23
Y	04/18/2023	API	00784	W 050423	474.00	87000000	812100	202275	ck050423	JARVIS FAY LLP	GENERAL COUNSEL SVCS - March 2
Y	05/17/2023	API	00784	W 060823	4,147.50	87000000	812100	202556	ck060823	JARVIS FAY LLP	GENERAL COUNSEL SVCS - Jan 202
Y	05/17/2023	API	00784	W 060823	6,791.50	87000000	812100	202556	ck060823	JARVIS FAY LLP	GENERAL COUNSEL SVCS - April 2
Y	06/16/2023	API	00784	W 062923	10,557.50	87000000	812100	202741	ck062923	JARVIS FAY LLP	GENERAL COUNSEL SVCS - May 202
Y	06/30/2023	API	00784	W fy23	14,042.00	87000000	812100	202921	ck072023	JARVIS FAY LLP	GENERAL COUNSEL SVCS -FY23
Y	11/22/2022	API	00216	1052	8,269.00	87000000	812100	201095	ck120122	MAZE & ASSOCIATES	LAVWMA Fiscal Year 2022 Audit
Y	12/21/2022	API	00216	W 010523	1,068.00	87000000	812100	201423	ck010523	MAZE & ASSOCIATES	Annual Report of Financial Tra
Y	12/22/2022	API	00216	W 122922	919.00	87000000	812100	201423	ck010523	MAZE & ASSOCIATES	Professional Services for Nove
Y	03/07/2023	API	00031	W 030923	98.92	87000000	812100	201870	ck030923	SIGNFAST, INC	2 x 8 BLK/WHT SIGNS (LAVWMA)

**Total 202,907.49**

Postage 0.00  
 DSRSD Board Members  
 Admin Support 11,734.80  
 Accounting 7,155.28

**Grand Total 221,797.57**

**ITEM NO. 8 QUARTERLY REPORT OF OPERATIONS FOR 4th QUARTER FY2022-2023**

**Action Requested**

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

**Summary**

LAVWMA's Quarterly Report of Operations for the 4th Quarter, FY 2022-2023 is attached for the Board's review. These quarterly reports are prepared by DSRSD staff and summarize all LAVWMA operations and maintenance activity for each quarter. Jan Lee, DSRSD Assistant General Manager, will be available to answer any questions from the Board. The report includes graphs showing Flows and Pumping Efficiency, Energy Consumption, Budget Variance, and Work Order History. Items of interest are incorporated into the Operations and Maintenance Sections of the Report. Total expenses are 124.8% of the year to date budget. The extreme wet weather this year resulted in increased costs for PG&E power, chemicals for dechlorinating the EBDA combined effluent, labor for managing the pump station during the storms, and labor for pipeline inspection and maintenance.

**Recommendation**

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

**Attachment**

LAVWMA Quarterly Report of Operations, 4th Quarter, FY2022-2023.



# LAVWMA

QUARTERLY REPORT OF OPERATIONS

FY 2022-2023, 4th Quarter



Prepared by

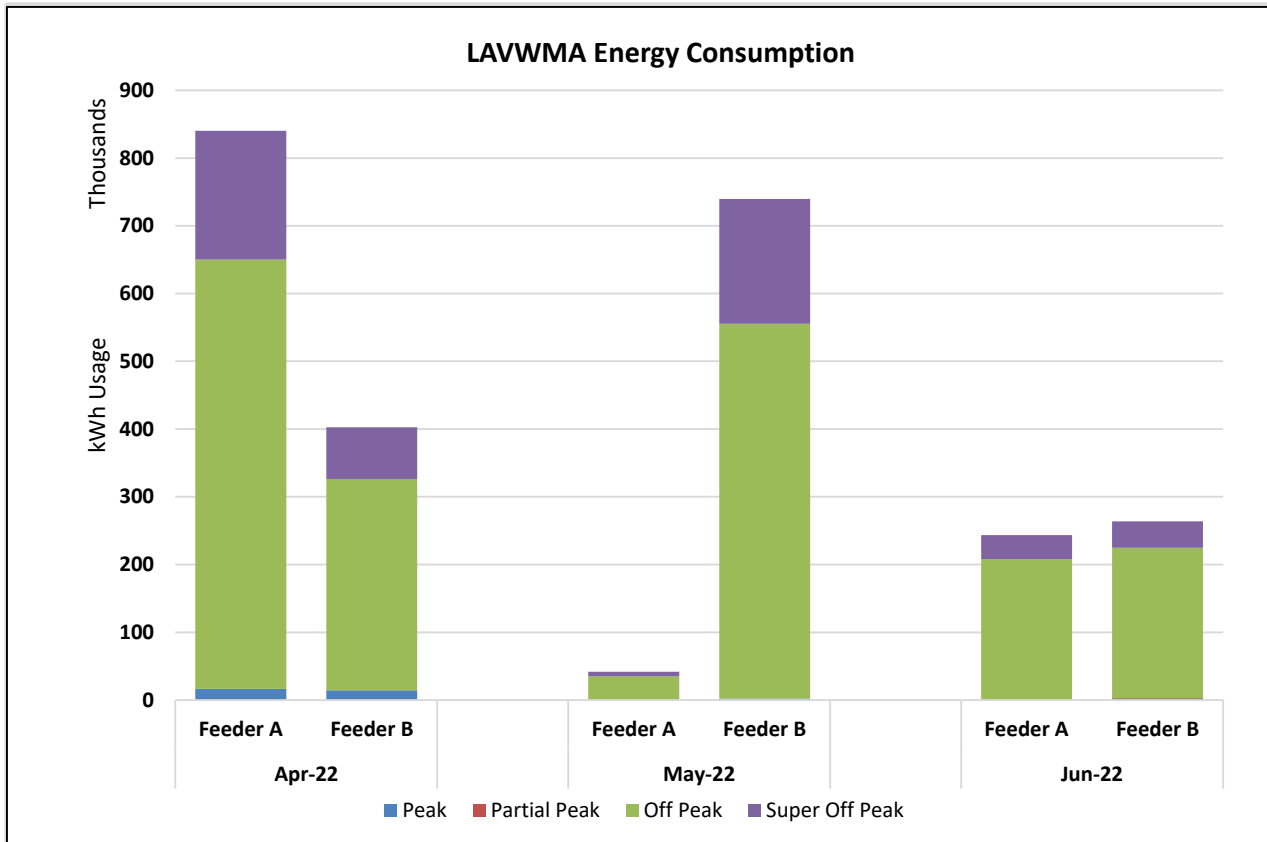
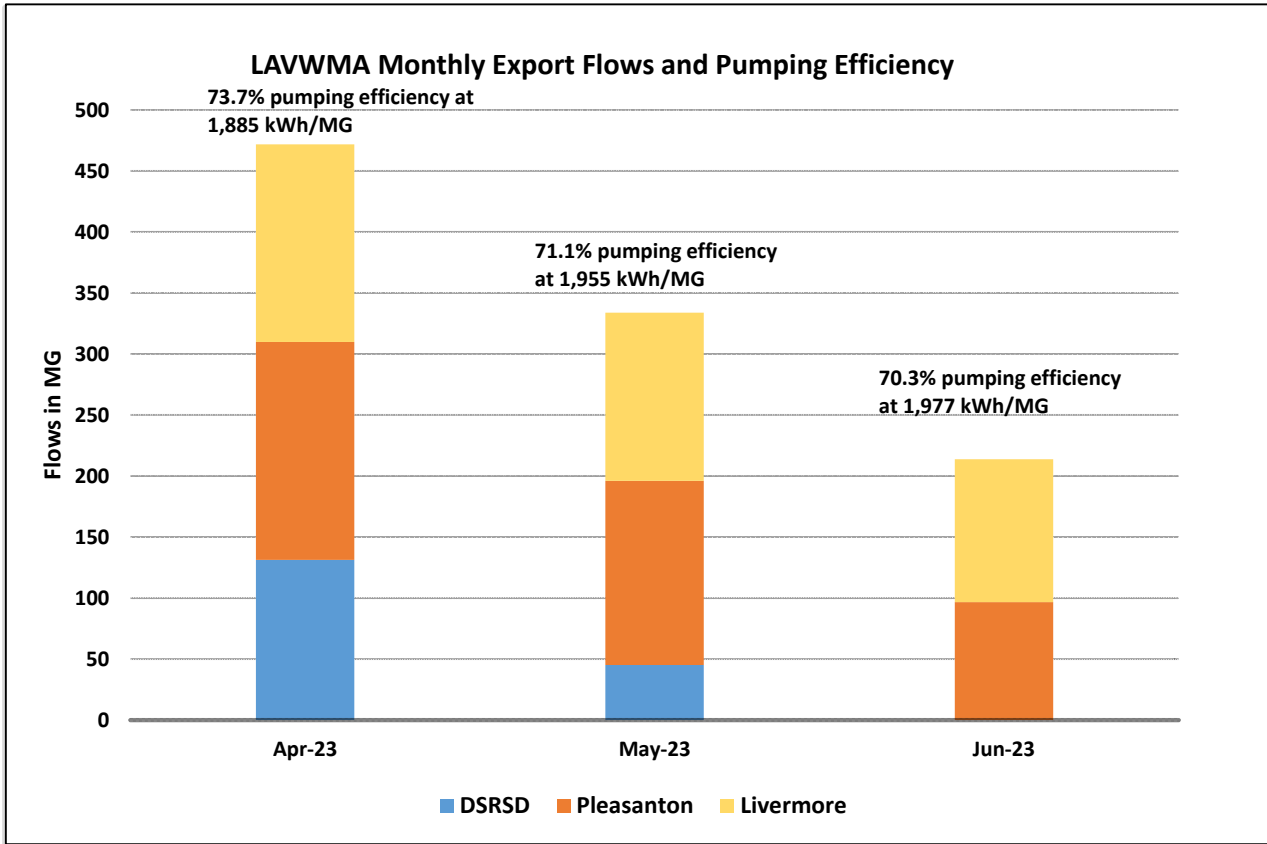


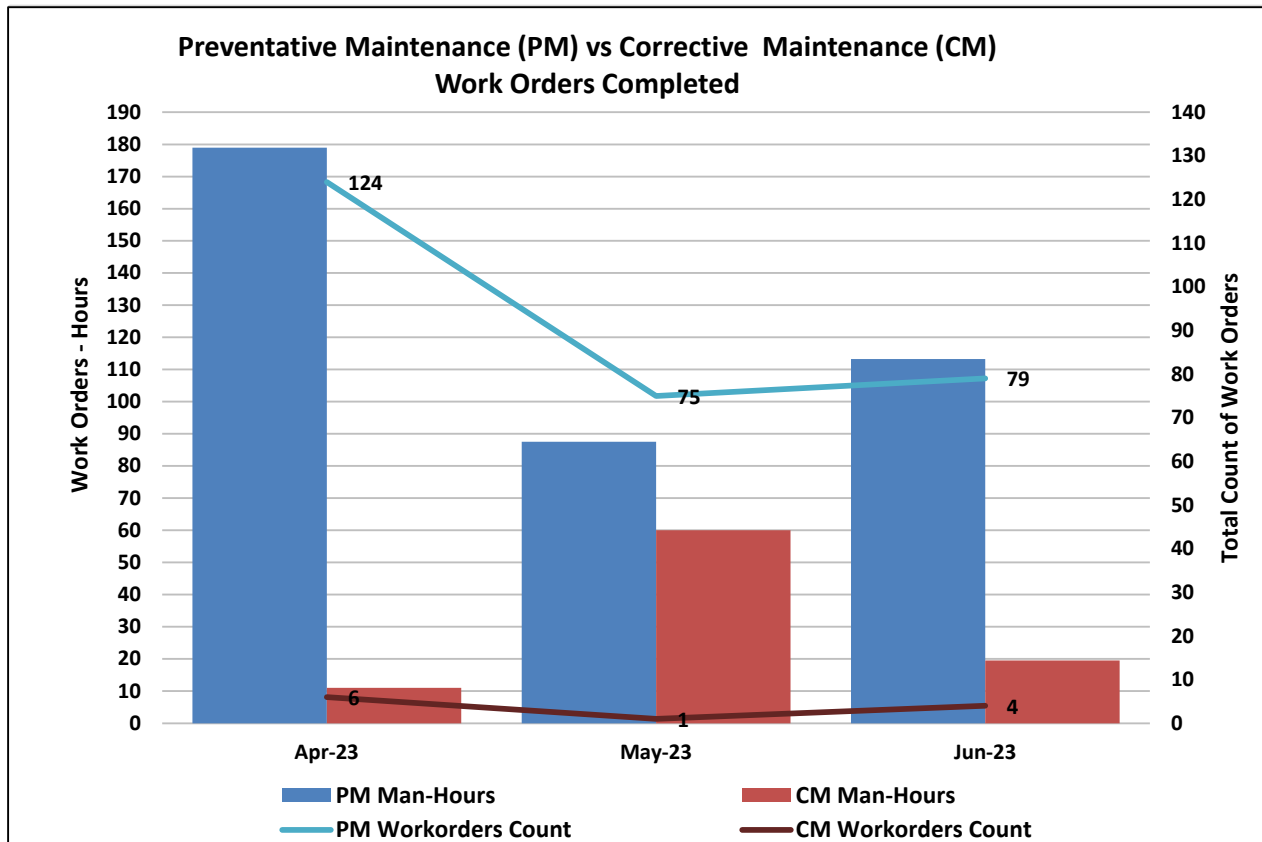
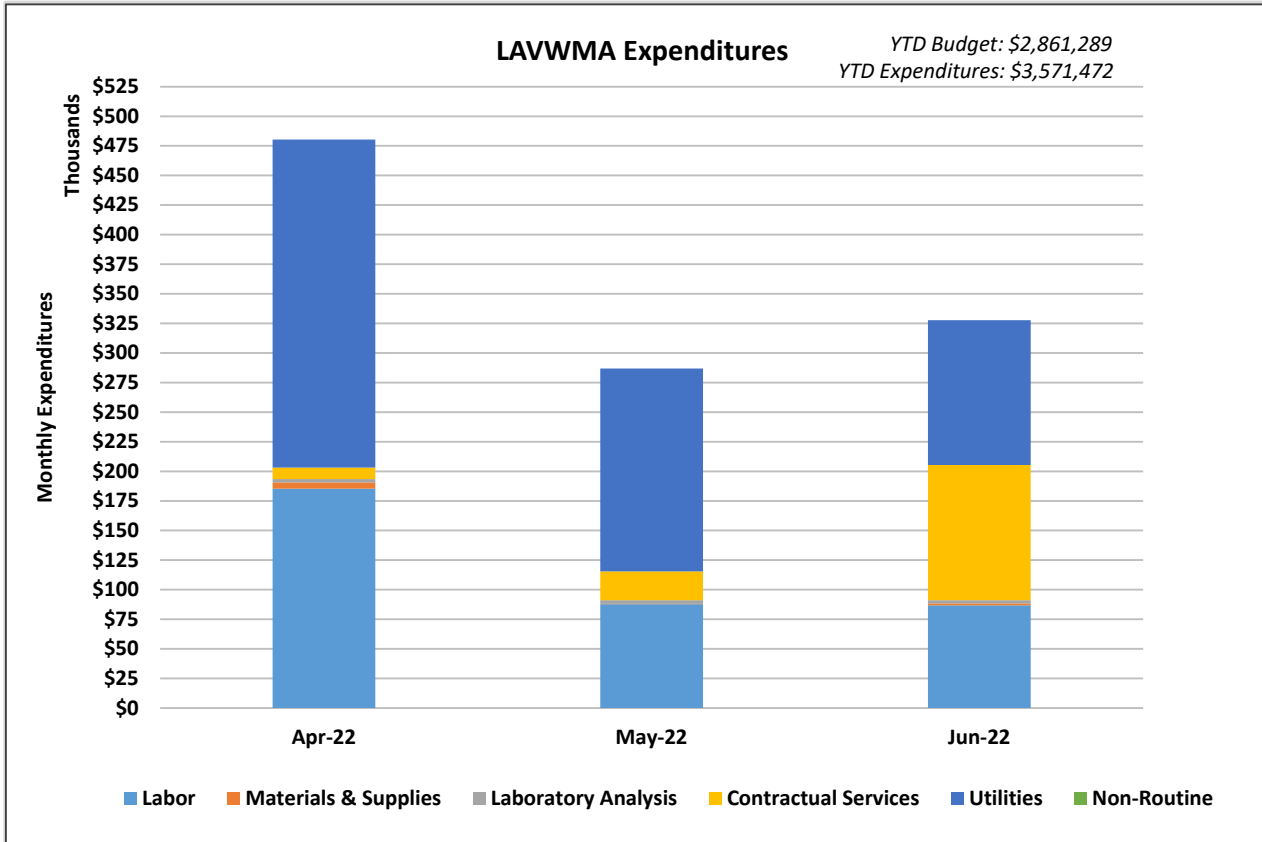
**Dublin San Ramon  
Services District**

*Water, wastewater, recycled water*

**QUARTERLY REPORT OF OPERATIONS  
LAVWMA PUMPING AND CONVEYANCE SYSTEM  
4th Quarter FY 2022-2023: April to June 2023**

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**QUARTERLY REPORT OF OPERATIONS**  
**LAVWMA PUMPING AND CONVEYANCE SYSTEM**  
***4th Quarter FY 2022-2023: April to June 2023***

**1. EXECUTIVE SUMMARY**

The Livermore-Amador Valley Water Management Agency (LAVWMA) pumping and effluent conveyance system operated normally during the fourth quarter of Fiscal Year 2022-2023. A total of 1,019.21 million gallons of fully treated secondary effluent were pumped to San Francisco Bay via the East Bay Dischargers Authority (EBDA) outfall diffuser and San Leandro Sample Station (SLSS). The overall efficiency of the pumping system averaged 71.7%, with an average electrical cost of \$438 per million gallons, or \$143 per acre-foot.

For the fourth quarter, O&M expenses for the quarter totaled \$1,094,845 for an average cost of \$1,074 per million gallons pumped or \$350 per acre-foot. Total year-to-date operations and maintenance (O&M) expense was \$3,571,472 – or 125% of the O&M annual budget amount of \$2,861,290 – and the overall cost of operation was \$753 per million gallons pumped or \$245 per acre-foot.

**2. OPERATIONS**

Of the 1,019.21 million gallons of effluent conveyed through the LAVWMA system, approximately 417 million gallons came from the City of Livermore, 426 million gallons from City of Pleasanton and 177 million gallons from DSRSD. The monthly export flow summary is shown on Table 4. Monthly reports sent to EBDA which detail daily export flows and monitoring analysis of the treated effluent during the quarter are shown on Table 9.

Currently PG&E implements a rate plan – broken down into peak, partial peak, off peak, and seasonal super off peak periods – that increases rates for energy used during certain periods of the day based on energy demand across the energy grid. LAVWMA’s energy consumption in the fourth quarter reflects the end of PG&E’s seasonal “super off peak” rate, which is available during the spring months of March, April, and May between the hours of 9 AM and 2 PM. Whenever possible throughout the reporting period, staff utilized an enhanced Operations Strategy, implementing an efficient pumping plan and avoided pumping during partial peak and peak PG&E energy demand periods. The LAVWMA system experienced a series of brief power outages from PG&E on April 26; PG&E did not provide an explanation for the interruption of power. DSRSD staff utilized empty storage basins and was able to continue to meet the demands of the LAVWMA system; there was no impact during the power outages, which lasted a total of approximately one hour.

DSRSD is the operator for the LAVWMA export and storage facilities that pump the combined flow from the DSRSD WWTP and Livermore WWTP into EBDA’s system for discharge into the San Francisco Bay. Per the 2021 EBDA-LAVWMA Amended and Restated Master Agreement, LAVWMA has rights to pump up to 41.2 MGD to the EBDA system but can be curtailed to 19.72 MGD under certain conditions. From April 21 through April 30, EBDA requested that DSRSD reduce the amount of LAVWMA flow discharged to the EBDA system to address erratic flowmeter readings. Throughout the period staff accommodated EBDA’s request while simultaneously meeting LAVWMA demands due to the seasonal increase of recycled water demand and subsequent decrease in export flows.

Over the past quarter DSRSD staff continued to strategically manage LAVWMA’s holding basins to minimize the number of pumps running during a given billing cycle, based on anticipated flow



from the City of Livermore and DSRSD's wastewater treatment facilities. Energy use is depicted by the LAVWMA Energy Consumption table on page 2.

### 3. MAINTENANCE

During the quarter, 380 hours were spent to complete 278 preventative maintenance work orders and 91 hours to complete 11 corrective maintenance work orders on LAVWMA equipment and systems.

In June DSRSD staff awarded a contract to a consultant to begin inspections of the effluent pipeline system. Staff anticipate that the inspections will take place throughout the next quarter to take advantage of the summer season's lower flows.

Over the past quarter staff installed the third and final replacement influent flowmeter located at the pump station which had reached the end of its useful life, leading to more accurate flow reading, particularly during the low flow season. DSRSD labor to complete the flowmeter replacement contributed to the increase in corrective work order labor hours in May.

The following are some additional noteworthy maintenance activities during the quarter:

#### Electrical:

- Began cathodic protection survey with consultant
- Continued replacement of faulty street lighting throughout the pump station
- Worked with consultant to complete preventative maintenance on MV switchgear
- Worked with consultant to test medium voltage transformer
- Troubleshoot and repaired a high temperature issue with pump #7's resistance temperature detector
- Completed troubleshooting and repair for dewatering pumps at all basins

#### Instrumentation and Controls:

- Installed and tested upgraded SLSS SCADA server to panel-mounted industrial computer
- Replaced wire and repotted Livermore flow meter and DSRSD flow meter to maintain water resistance
- Continued to install and test rectifier remote monitoring equipment
- Troubleshoot and repaired air compressor system for surge tanks

#### Mechanical:

- Replaced the final 20" flow meter at the pump station
- Completed triennial maintenance on export pumps

### 4. BUDGET VARIANCE AND EXPENSES

Fourth quarter labor expenses totaled \$359,935 for 1,779 man-hours of effort, an average of 3.4 full time equivalents (FTEs). O&M expenses for the quarter including labor, supplies, laboratory analysis, contractual services, and utilities totaled \$1,094,845 for an average cost of \$1,074 per million gallons pumped or \$350 per acre-foot. The total expense for the Livermore sole use pipeline for the quarter was \$11,540.

In total, O&M expenses for Fiscal Year 2023 exceeded the \$2,861,290 budget by \$710,183 (24.8%) due to electrical charges, contractual services, and labor costs that were associated with the series of severe wet weather events that took place between late December 2022 and March 2023.

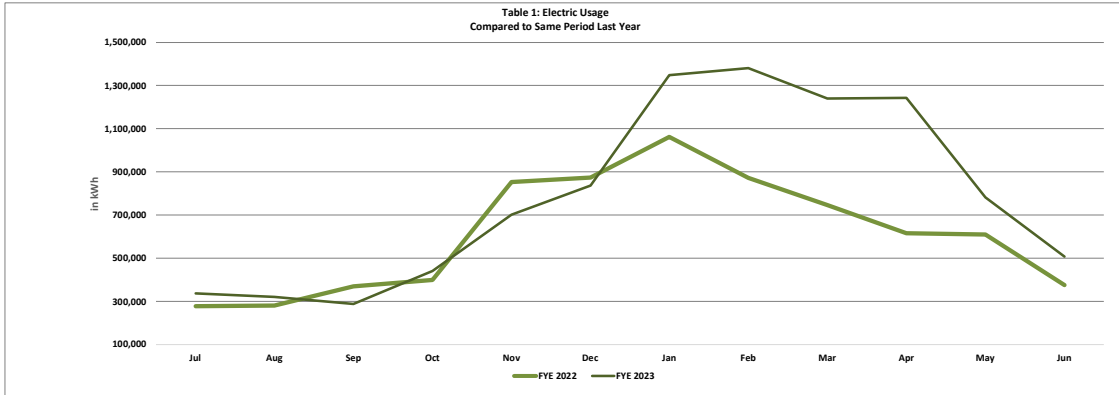
## Item No. 8

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

**TABLE 1 - Electric Usage, Efficiency and Costs**

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report

PG&E Service Accounts: Rate Schedule B20 starting March 2021																	Total	Pumping				
Month	Acct # 8482061923-1 Service A						Acct # 8440395259-5 Service B						Billing Days	Total			Total Export Flow <sup>1</sup> MG	Energy kWh/MG	Cost		Efficiency %	
	kWh	Peak	Partial Peak	Off Peak	Super Off Peak	\$	kWh	Peak	Partial Peak	Off Peak	Super Off Peak	\$		kWh	\$/kWh	\$			\$/MG	\$/AF		
Jul-22	0	0	0	0	0	\$1,807	336,556	1,732	1,635	333,189	0	\$72,791	31	336,556	\$0.22	\$74,598	167	2,021	\$448	\$146	68.8%	
Aug-22	140,062	0	44	140,018	0	\$30,882	180,226	2,139	1,914	176,173	0	\$40,618	32	320,288	\$0.22	\$71,500	163	1,966	\$439	\$143	70.7%	
Sep-22	123,902	0	0	123,902	0	\$28,070	165,391	2,105	1,813	161,473	0	\$37,727	30	289,293	\$0.23	\$65,797	131	2,209	\$502	\$164	62.9%	
Oct-22	140,195	0	0	140,195	0	\$34,065	301,346	2,156	997	298,193	0	\$67,784	29	441,541	\$0.23	\$101,849	201	2,199	\$507	\$165	63.2%	
Nov-22	245,189	0	0	245,189	0	\$54,210	456,025	2,817	0	453,208	0	\$87,368	32	701,214	\$0.20	\$141,578	340	2,063	\$416	\$136	67.4%	
Dec-22	175,006	5,433	0	169,573	0	\$34,895	662,353	16,666	0	645,687	0	\$126,168	29	837,359	\$0.19	\$161,063	406	2,061	\$396	\$129	67.5%	
Jan-23	514,735	62,976	0	451,759	0	\$121,783	833,426	111,786	0	721,640	0	\$171,299	30	1,348,161	\$0.22	\$293,082	650	2,075	\$451	\$147	67.0%	
Feb-23	528,821	39,102	0	489,719	0	\$122,322	852,339	49,185	0	803,154	0	\$175,148	32	1,381,160	\$0.22	\$297,470	691	1,998	\$430	\$140	69.6%	
Mar-23	982,853	33,351	0	835,295	114,207	\$187,908	256,407	35,931	0	170,330	50,146	\$65,305	30	1,239,260	\$0.20	\$253,213	650	1,905	\$389	\$127	73.0%	
Apr-23	<b>840,396</b>	<b>16,513</b>	<b>0</b>	<b>633,450</b>	<b>190,433</b>	<b>\$166,054</b>	<b>402,537</b>	<b>14,452</b>	<b>0</b>	<b>311,772</b>	<b>76,313</b>	<b>\$110,434</b>	<b>30</b>	<b>1,242,933</b>	<b>\$0.22</b>	<b>\$276,488</b>	<b>659</b>	<b>1,885</b>	<b>\$419</b>	<b>\$137</b>	<b>73.7%</b>	
May-23	<b>41,823</b>	<b>0</b>	<b>0</b>	<b>34,897</b>	<b>6,926</b>	<b>\$19,022</b>	<b>739,756</b>	<b>2,038</b>	<b>0</b>	<b>553,372</b>	<b>184,346</b>	<b>\$150,426</b>	<b>31</b>	<b>781,579</b>	<b>\$0.22</b>	<b>\$169,448</b>	<b>400</b>	<b>1,955</b>	<b>\$424</b>	<b>\$138</b>	<b>71.1%</b>	
Jun-23	<b>243,457</b>	<b>0</b>	<b>0</b>	<b>207,771</b>	<b>35,686</b>	<b>\$56,038</b>	<b>263,817</b>	<b>1,725</b>	<b>713</b>	<b>222,443</b>	<b>38,936</b>	<b>\$64,964</b>	<b>29</b>	<b>507,274</b>	<b>\$0.24</b>	<b>\$121,003</b>	<b>257</b>	<b>1,977</b>	<b>\$472</b>	<b>\$154</b>	<b>70.3%</b>	
<b>Quarter</b>																						
Average	375,225					\$80,371	468,703					\$108,608	30	843,929	\$0.23	\$188,980	439	1,939	\$438	\$143	71.7%	
Total	1,125,676					\$241,114	1,406,110					\$325,825	90	2,531,786		\$566,939	1,316	5,818				
Minimum	41,823					\$19,022	263,817					\$64,964	29	507,274	\$0.22	\$121,003	257	1,885	\$419	\$137	70.3%	
Maximum	840,396					\$166,054	739,756					\$150,426	31	1,242,933	\$0.24	\$276,488	659	1,977	\$472	\$154	73.7%	
<b>YTD</b>																						
Average	331,370					\$71,421	454,182					\$97,503	30	785,552	\$0.22	\$168,924	393	2,026	\$441	\$144	68.8%	
Total	3,976,439					\$857,057	5,450,179					\$1,170,031	365	9,426,618		\$2,027,089	4,714	24,315				
Minimum	0					\$1,807	165,391					\$37,727	29	289,293	\$0.19	\$65,797	131	1,885	\$389	\$127	62.9%	
Maximum	982,853					\$187,908	852,339					\$175,148	32	1,381,160	\$0.24	\$297,470	691	2,209	\$507	\$165	73.7%	



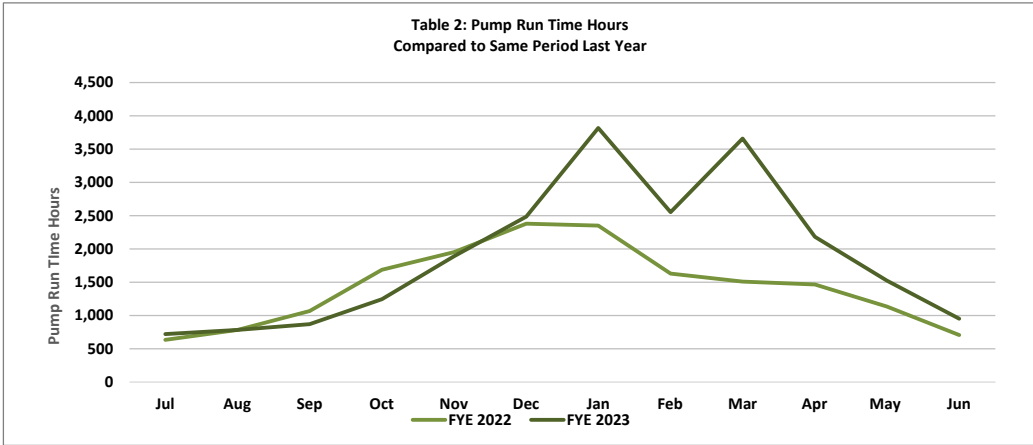
**NOTES:**

- 1) This Table 1 does not reflect what was the actual expenditures paid for the month and may not match what is in Table 8 Expenditures. The primary purpose of Table 1 is to show the electric usage and efficiency for the month it actually occurred.
- 2) To calculate pumping efficiency, read dates, electric usage, and export flows are matched to PG&E billing periods: 3/15 - 4/13 for April, 4/14 - 5/14 for May, and 5/15 - 6/12 for June.
- 3) Pumping efficiency is based on continuous average flows and a TDH of 442.8 feet, including static lift of 408.8 feet and piping losses of 34 feet (per Charlie Joyce, B&C, 2/12/07).

**TABLE 2 - Pump Run Time Hours**

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report

Month	Pump	Pump	Pump	Pump	Pump	Pump	Pump	Pump	Pump	Pump	TOTAL	
	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	Pump Run Hours	Pump Utilization %
Jul-22	0	14	0	338	0	1	0	1	182	183	719	9.7%
Aug-22	0	1	95	296	0	1	93	1	0	298	784	10.5%
Sep-22	0	79	87	124	118	1	125	23	188	124	869	12.1%
Oct-22	0	207	79	186	128	47	309	109	110	68	1,243	16.7%
Nov-22	0	492	255	7	224	30	296	118	459	10	1,890	26.3%
Dec-22	0	430	320	240	301	105	425	110	521	29	2,483	33.4%
Jan-23	0	562	293	537	477	165	423	520	533	306	3,815	51.3%
Feb-23	0	214	279	160	428	376	167	470	169	288	2,550	37.9%
Mar-23	0	511	513	93	544	517	411	539	0	531	3,659	49.2%
<b>Apr-23</b>	<b>0</b>	<b>405</b>	<b>178</b>	<b>230</b>	<b>185</b>	<b>187</b>	<b>379</b>	<b>136</b>	<b>223</b>	<b>260</b>	<b>2,184</b>	<b>30.3%</b>
<b>May-23</b>	<b>0</b>	<b>328</b>	<b>120</b>	<b>334</b>	<b>200</b>	<b>66</b>	<b>166</b>	<b>16</b>	<b>266</b>	<b>28</b>	<b>1,525</b>	<b>20.5%</b>
<b>Jun-23</b>	<b>0</b>	<b>213</b>	<b>65</b>	<b>213</b>	<b>118</b>	<b>12</b>	<b>132</b>	<b>4</b>	<b>142</b>	<b>53</b>	<b>952</b>	<b>13.2%</b>
<b>Quarter</b>												
Average	0	315	121	259	168	89	226	52	210	113	1,553	21.3%
Total	0	946	364	778	503	266	677	156	631	340	4,660	
Minimum	0	213	65	213	118	12	132	4	142	28	952	13.2%
Maximum	0	405	178	334	200	187	379	136	266	260	2,184	30.3%
<b>YTD</b>												
Average	0	288	190	230	227	126	244	170	233	181	1,889	25.9%
Total	0	3,455	2,284	2,759	2,723	1,508	2,927	2,045	2,794	2,177	22,673	
Minimum	0	1	0	7	0	1	0	1	0	10	719	9.7%
Maximum	0	562	513	537	544	517	425	539	533	531	3,815	51.3%

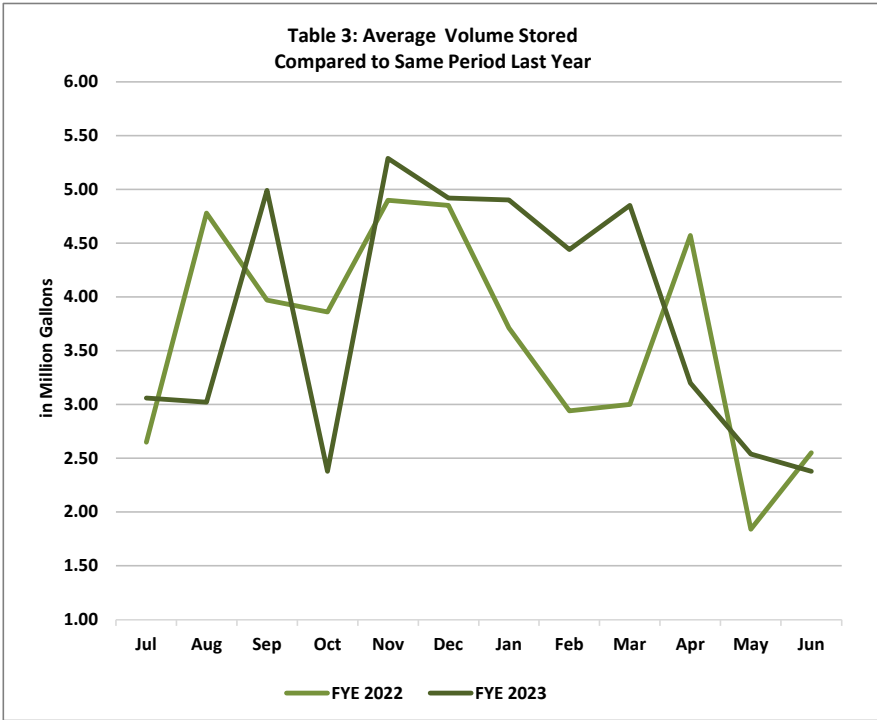


DUBLIN SAN RAMON SERVICES DISTRICT

**TABLE 3 - Monthly Average Storage Basin Levels and Volume**

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report

Month	Average Daily Volume			Average Volume Stored MG	Storage Available MG	Storage Basin Utilization %
	Basin No. 1 Feet	Basin No. 2 Feet	Basin No. 3 Feet			
Jul-22	1.58	0.21	4.24	3.06	18	17.0%
Aug-22	2.17	0.22	3.82	3.02	18	16.8%
Sep-22	3.18	1.52	5.08	4.99	18	27.7%
Oct-22	3.20	0.21	1.77	2.38	18	13.2%
Nov-22	1.48	2.31	6.06	5.29	18	29.4%
Dec-22	4.06	0.25	5.27	4.92	18	27.3%
Jan-23	4.88	3.45	0.86	4.90	18	27.2%
Feb-23	2.11	0.05	6.03	4.44	18	24.7%
Mar-23	3.08	0.11	6.23	4.85	18	26.9%
<b>Apr-23</b>	<b>3.23</b>	<b>0.01</b>	<b>2.82</b>	<b>3.20</b>	<b>18</b>	<b>17.8%</b>
<b>May-23</b>	<b>2.24</b>	<b>0.10</b>	<b>2.78</b>	<b>2.54</b>	<b>18</b>	<b>14.1%</b>
<b>Jun-23</b>	<b>2.80</b>	<b>0.09</b>	<b>1.95</b>	2.38	<b>18</b>	<b>13.2%</b>
<b>Quarter</b>						
Average	2.76	0.07	2.52	2.71		0.15
Minimum	2.24	0.01	1.95	2.38		0.13
Maximum	3.23	0.10	2.82	3.20		0.18
<b>YTD</b>						
Average	2.95	0.76	3.88	3.83		21.3%
Minimum	1.48	0.01	0.86	2.38		13.2%
Maximum	4.88	3.45	6.23	5.29		29.4%



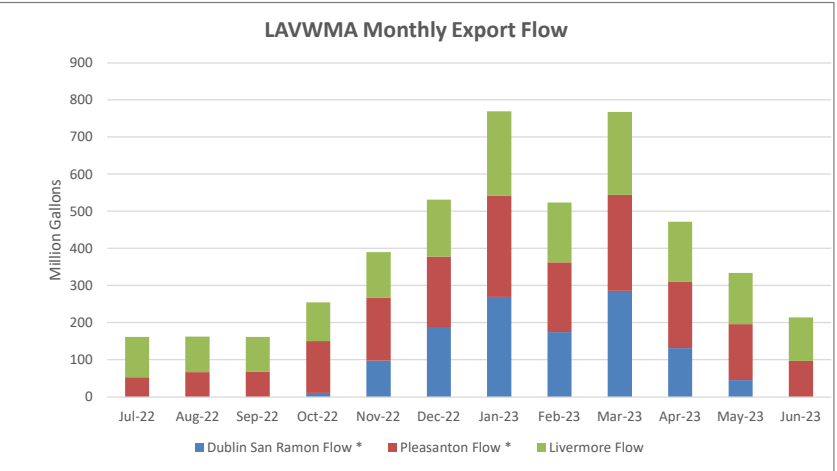
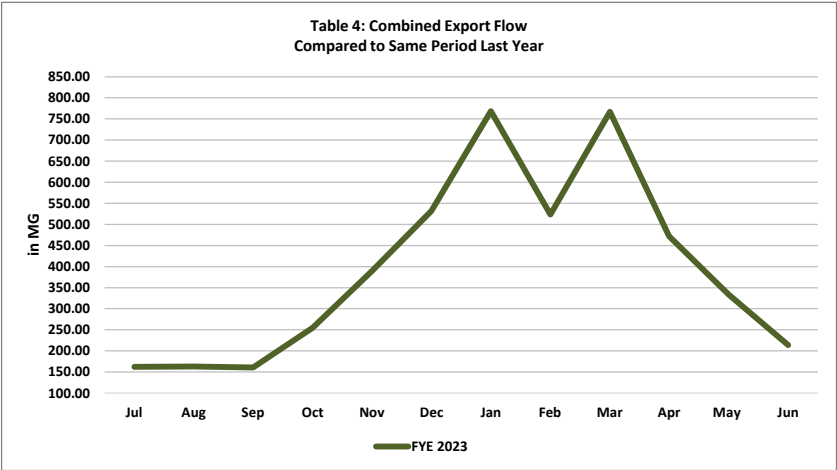
Note: Total available storage volume is 18 million gallons.

**TABLE 4 - Monthly Export Flow**

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

Month	Dublin San Ramon Flow * MG	Pleasanton Flow * MG	Livermore Flow MG	Combined Export Flow MG	Total for Quarter
Jul-22	0.00	52.86	109.08	161.93	
Aug-22	0.00	66.98	95.65	162.62	
Sep-22	0.00	68.48	92.90	161.38	485.94
Oct-22	10.48	140.14	104.04	254.65	
Nov-22	98.09	169.48	122.41	389.98	
Dec-22	187.90	189.56	154.12	531.58	1,176.22
Jan-23	268.84	273.25	227.01	769.11	
Feb-23	174.59	187.42	161.41	523.42	
Mar-23	285.27	259.05	222.97	767.29	2,059.81
<b>Apr-23</b>	<b>131.28</b>	<b>178.59</b>	<b>161.79</b>	<b>471.67</b>	
<b>May-23</b>	<b>45.24</b>	<b>150.75</b>	<b>137.83</b>	<b>333.82</b>	
<b>Jun-23</b>	<b>0.00</b>	<b>96.66</b>	<b>117.07</b>	<b>213.73</b>	<b>1,019.21</b>
<b>Quarter</b>					
Total	176.52	426.00	416.69	<b>1,019.21</b>	
Average	58.84	142.00	138.90	339.74	
Minimum	0.00	96.66	117.07	213.73	
Maximum	131.28	178.59	161.79	471.67	
<b>YTD</b>					
Total	1,201.69	1,833.23	1,706.27	<b>4,741.18</b>	
Average	100.14	152.77	142.19	395.10	
Minimum	0.00	52.86	92.90	161.38	
Maximum	285.27	273.25	227.01	769.11	

Budgeted Flow: 3552



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

DUBLIN SAN RAMON SERVICES DISTRICT

**TABLE 5 - Labor Effort, Expenditures, and Budget Utilization**

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report

FY Labor Budget \$1,161,350

Month	Billed	FTE	Labor Invoice	YTD	Budget Utilization	Labor	Export	
	Labor Hours			Labor Expense		Remaining	MG	AF
Jul-22	433.0	2.5	\$83,781	\$83,781	7.2%	\$1,077,569	161.93	497
Aug-22	345.0	2.0	\$73,088	\$156,869	13.5%	\$1,004,481	162.62	499
Sep-22	343.0	2.0	\$66,501	\$223,370	19.2%	\$937,980	161.38	495
Oct-22	567.5	3.3	\$105,424	\$328,794	28.3%	\$832,556	254.65	782
Nov-22	215.0	1.2	\$46,528	\$375,322	32.3%	\$786,028	389.98	1,197
Dec-22	532.5	3.1	\$105,889	\$481,211	41.4%	\$680,139	531.58	1,631
Jan-23	576.0	3.3	\$118,515	\$599,727	51.6%	\$561,623	769.11	2,360
Feb-23	605.5	3.5	\$131,785	\$731,512	63.0%	\$429,838	523.42	1,606
Mar-23	398.5	2.3	\$86,949	\$818,461	70.5%	\$342,889	767.29	2,355
<b>Apr-23</b>	<b>920.3</b>	<b>5.3</b>	<b>\$185,352</b>	<b>\$1,003,813</b>	<b>86.4%</b>	<b>\$157,537</b>	<b>471.67</b>	<b>1,448</b>
<b>May-23</b>	<b>430.5</b>	<b>2.5</b>	<b>\$87,753</b>	<b>\$1,091,566</b>	<b>94.0%</b>	<b>\$69,784</b>	<b>333.82</b>	<b>1,025</b>
<b>Jun-23</b>	<b>428.0</b>	<b>2.5</b>	<b>\$86,830</b>	<b>\$1,178,396</b>	<b>101.5%</b>	<b>-\$17,046</b>	<b>213.73</b>	<b>656</b>
<b>QUARTER</b>								
Total	<b>1,778.8</b>		<b>\$359,935</b>				1,019.21	3,128
Average	592.9	<b>3.4</b>	\$119,978				339.74	1,043
Minimum	428.0	2.5	\$86,830				213.73	656
Maximum	920.3	5.3	\$185,352				471.67	1,448
<b>YTD</b>								
Total YTD	5,794.8		\$1,178,396		<b>101.5%</b>	<b>-\$17,046</b>	4,741.18	14,551
Average YTD	482.9	2.8	\$98,200				395.10	1,213
Minimum	215.0	1.2	\$46,528				161.38	495
Maximum	920.3	5.3	\$185,352				769.11	2,360

**Notes:**  
 April labor costs due to asset management work, discharge exercise  
 April electricity costs unusually high due to pumping times to compensate for flow meter replacements  
 June Contractual Services: eOM Modernization project to update LAVWMA electronic Operations Manual  
 Cathodic Protection Survey project began in June and identified several repairs that were completed concurrent to the survey work

**TABLE 6 - O&M Expenditures and Budget Utilization**

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report

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

Month	Labor Expenses	A/P Expenses	Total O&M Expenses	YTD O&M Expenses	Budget Utilization	O&M Budget Remaining	Overall O&M Cost		Export Flow	
							\$/MG	\$/AF	MG	AF
Jul-22	\$83,781	\$3,146	\$86,927	\$86,927	3.0%	\$2,774,362	\$537	\$175	161.93	497
Aug-22	\$73,088	\$171,670	\$244,757	\$331,684	11.6%	\$2,529,605	\$1,505	\$490	162.62	499
Sep-22	\$66,501	\$75,275	\$141,776	\$473,460	16.5%	\$2,387,829	\$879	\$286	161.38	495
Oct-22	\$105,424	\$143,851	\$249,275	\$722,735	25.3%	\$2,138,554	\$979	\$319	254.65	782
Nov-22	\$46,528	\$147,294	\$193,823	\$916,558	32.0%	\$1,944,731	\$497	\$162	389.98	1,197
Dec-22	\$105,889	\$168,886	\$274,775	\$1,191,333	41.6%	\$1,669,956	\$517	\$168	531.58	1,631
Jan-23	\$118,515	\$307,699	\$426,215	\$1,617,548	56.5%	\$1,243,741	\$554	\$181	769.11	2,360
Feb-23	\$131,785	\$363,328	\$495,113	\$2,112,661	73.8%	\$748,628	\$946	\$308	523.42	1,606
Mar-23	\$86,949	\$277,017	\$363,965	\$2,476,626	86.6%	\$384,663	\$474	\$155	767.29	2,355
<b>Apr-23</b>	<b>\$185,352</b>	<b>\$294,954</b>	<b>\$480,306</b>	<b>\$2,956,933</b>	<b>103.3%</b>	<b>-\$95,644</b>	<b>\$1,018</b>	<b>\$332</b>	<b>471.67</b>	<b>1,448</b>
<b>May-23</b>	<b>\$87,753</b>	<b>\$199,071</b>	<b>\$286,825</b>	<b>\$3,243,757</b>	<b>113.4%</b>	<b>-\$382,468</b>	<b>\$859</b>	<b>\$280</b>	<b>333.82</b>	<b>1,025</b>
<b>Jun-23</b>	<b>\$86,830</b>	<b>\$240,885</b>	<b>\$327,714</b>	<b>\$3,571,472</b>	<b>124.8%</b>	<b>-\$710,183</b>	<b>\$1,533</b>	<b>\$500</b>	<b>213.73</b>	<b>656</b>
<b>QUARTER</b>										
Total	\$359,935	\$734,910	<b>\$1,094,845</b>				<b>\$1,074</b>	<b>\$350</b>	1,019.21	3,128
Average	\$119,978	\$244,970	\$364,948						339.74	1,043
Minimum	\$86,830	\$199,071	\$286,825				\$859	\$280	213.73	656
Maximum	\$185,352	\$294,954	\$480,306				\$1,533	\$500	471.67	1,448
<b>YTD</b>										
Total YTD	\$1,178,396	\$2,393,076	<b>\$3,571,472</b>		<b>124.8%</b>	<b>-\$710,183</b>	<b>\$753</b>	<b>\$245</b>	<b>4,741.18</b>	<b>14,551</b>
Average YTD	\$98,200	\$199,423	\$297,623							
Minimum	\$46,528	\$3,146	\$86,927				\$474	\$155	161.38	495
Maximum	\$185,352	\$363,328	\$495,113				\$1,533	\$500	769.11	2,360

Notes:



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

LAVWMA SYSTEM: Fiscal Year 2022-2023, Quarterly Report

<b>Livermore Sole Use Facilities</b>			
Month	Labor Expenses	A/P Expenses	Total Expenses
-----	-----	-----	-----
Jul-22	\$0	\$0	\$0
Aug-22	\$0	\$545	\$545
Sep-22	\$0	\$257	\$257
Oct-22	\$0	-\$461	-\$461
Nov-22	\$0	\$550	\$550
Dec-22	\$0	\$1,245	\$1,245
Jan-23	\$0	\$1,545	\$1,545
Feb-23	\$589	\$140	\$729
Mar-23	\$1,331	\$129	\$1,460
<b>Apr-23</b>	<b>\$0</b>	<b>\$607</b>	<b>\$607</b>
<b>May-23</b>	<b>\$0</b>	<b>\$574</b>	<b>\$574</b>
<b>Jun-23</b>	<b>\$0</b>	<b>\$10,359</b>	<b>\$10,359</b>
<b><u>Quarter</u></b>			
Total	<b>\$0</b>	<b>\$11,540</b>	<b>\$11,540</b>
Average	\$0	\$3,847	\$3,847
Minimum	\$0	\$574	\$574
Maximum	\$0	\$10,359	\$10,359
<b><u>YTD</u></b>			
YTD Total	\$1,920	\$15,490	\$17,410
YTD Average	\$160	\$1,291	\$1,451
YTD Minimum	\$0	-\$461	-\$461
YTD Maximum	\$1,331	\$10,359	\$10,359

LAVWMA  
BUDGET COMPARISON TO ACTUAL EXPENSES: GOODS & SERVICES

Current FY Period: 12

ACTUAL EXPENSES BILLED TO LAVWMA FOR REGULAR O&M																
		Budget	July	August	September	October	November	December	January	February	March	April	May	June	YTD	YTD
		FY 2022-2023	2022	2022	2022	2022	2022	2022	2023	2023	2023	2023	2023	2023	TOTAL	Budget
<b>Project Total:</b>	<b>Labor</b>															
lavcost LAVWMA	Staff	\$1,161,350	\$83,781	\$73,088	\$66,501	\$105,424	\$46,528	\$105,889	\$118,515	\$131,785	\$86,949	\$185,352	\$87,753	\$86,830	\$1,178,396	\$1,161,350
Operations &																
	<b>Subtotal</b>	<b>\$1,161,350</b>	<b>\$83,781</b>	<b>\$73,088</b>	<b>\$66,501</b>	<b>\$105,424</b>	<b>\$46,528</b>	<b>\$105,889</b>	<b>\$118,515</b>	<b>\$131,785</b>	<b>\$86,949</b>	<b>\$185,352</b>	<b>\$87,753</b>	<b>\$86,830</b>	<b>\$1,178,396</b>	<b>\$1,161,350</b>
	<b>Materials &amp; Supplies</b>															
<b>Phase Total:</b>	Operations Supplies	\$13,650	\$74	\$12	\$12	\$12	\$12	\$14	\$14	\$14	\$14	\$14	\$17	\$17	\$227	\$13,650
supply	Mechanical Supplies	\$27,300	\$432	\$238	\$249		\$1,882	\$1,199	\$3,617	\$657	\$2,355	\$1,921	\$225	\$1,065	\$13,840	\$27,300
	Electrical Supplies	\$48,447	\$19	\$1,188	\$3,675	\$2,274	\$19	\$38	\$2,420	\$1,631	\$10,639	\$3,391	\$11	\$470	\$25,775	\$48,447
	<b>Subtotal</b>	<b>\$89,397</b>	<b>\$526</b>	<b>\$1,438</b>	<b>\$3,936</b>	<b>\$2,286</b>	<b>\$1,913</b>	<b>\$1,251</b>	<b>\$6,051</b>	<b>\$2,302</b>	<b>\$13,007</b>	<b>\$5,326</b>	<b>\$253</b>	<b>\$1,552</b>	<b>\$39,842</b>	<b>\$89,397</b>
	<b>Analysis Laboratory Analysis</b>															
Biochemical Oxy	Compliance Testing	\$10,500	\$848	\$1,060	\$848	\$848	\$1,060	\$848	\$848	\$896	\$1,120	\$896	\$1,120	\$896	\$11,288	\$10,500
Demand & Total	Operational Support Testing	\$4,200	\$392	\$392	\$392	\$392	\$392	\$392	\$392	\$414	\$414	\$414	\$414	\$414	\$4,814	\$4,200
Langelier Index	Special Sampling	\$23,100	\$1,380	\$1,490	\$1,380	\$1,380	\$1,490	\$1,380	\$1,380	\$1,344	\$1,344	\$1,460	\$1,576	\$1,460	\$17,064	\$23,100
	<b>Subtotal</b>	<b>\$37,800</b>	<b>\$2,620</b>	<b>\$2,942</b>	<b>\$2,620</b>	<b>\$2,620</b>	<b>\$2,942</b>	<b>\$2,620</b>	<b>\$2,620</b>	<b>\$2,654</b>	<b>\$2,878</b>	<b>\$2,770</b>	<b>\$3,110</b>	<b>\$2,770</b>	<b>\$33,166</b>	<b>\$37,800</b>
	<b>Contractual Services</b>															
	Sub-surface Repairs	\$15,750													\$0	\$15,750
	Street Sweeping	\$5,250													\$0	\$5,250
	Cathodic Protection Survey & Repairs	\$31,500												\$44,500	\$44,500	\$31,500
	Underground Service Alert	\$4,725				\$508									\$508	\$4,725
	SCADA software maintenance contract	\$17,850		\$5,052							\$376				\$5,428	\$17,850
	Remote monitoring annual service for PS and Rec	\$5,250													\$0	\$5,250
<b>Phase Total:</b>	Med voltage switchgear 3-yr PM (FY22, \$18k)												\$14,845		\$14,845	\$0
cservi	HVAC Maintenance/Repairs	\$788													\$0	\$788
	Termite/Pest Control	\$945													\$0	\$945
	Landscape/weed maintenance	\$10,500			\$980									\$10,292	\$11,272	\$10,500
	Janitorial Service	\$9,975	paid in July	\$440	\$880			\$1,320			\$880	\$880	\$440	\$440	\$5,279	\$9,975
	Fire Extinguisher Maintenance	\$210													\$0	\$210
	Postage/Shipping Charges	\$0													\$0	\$0
	Misc Professional/Contractual Services	\$31,500		\$14,008		\$37,049		\$1,763	\$4,684	\$60,762	\$6,093	\$8,883	\$9,076	\$59,000	\$201,317	\$31,500
	<b>Subtotal</b>	<b>\$134,243</b>	<b>\$0</b>	<b>\$19,499</b>	<b>\$1,860</b>	<b>\$37,556</b>	<b>\$0</b>	<b>\$3,083</b>	<b>\$4,684</b>	<b>\$60,762</b>	<b>\$7,349</b>	<b>\$9,763</b>	<b>\$24,360</b>	<b>\$114,231</b>	<b>\$283,148</b>	<b>\$134,243</b>
	<b>Utilities</b>															
<b>Phase Total:</b>	Electricity (PG&E)	\$1,430,205	paid in Aug	\$147,188	\$66,310	\$101,389	\$142,128	\$161,717	\$293,775	\$297,610	\$253,342	\$277,095	\$170,023	\$121,571	\$2,032,148	\$1,430,205
utilit	Water & Sewer (Pleasanton)	\$945		\$396	\$327		\$311		\$354		\$218		\$1,022	\$450	\$3,077	\$945
	Water (EBMUD)	\$1,050		\$207	\$222			\$215	\$215		\$222		\$215	\$225	\$1,522	\$1,050
	Telephone/communications	\$6,300										\$87	\$86	\$173	\$6,300	
	WW Treatment (DSRSD)	\$0												\$0	\$0	
	<b>Subtotal</b>	<b>\$1,438,500</b>	<b>\$0</b>	<b>\$147,790</b>	<b>\$66,859</b>	<b>\$101,389</b>	<b>\$142,439</b>	<b>\$161,932</b>	<b>\$294,344</b>	<b>\$297,610</b>	<b>\$253,782</b>	<b>\$277,095</b>	<b>\$171,347</b>	<b>\$122,331</b>	<b>\$2,036,920</b>	<b>\$1,438,500</b>
	<b>Non-Routine</b>															
<b>Phase Total:</b>		\$0													\$0	\$0
nonrou		\$0													\$0	\$0
	<b>Subtotal</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
	<b>Monthly Total</b>		<b>\$86,927</b>	<b>\$244,757</b>	<b>\$141,776</b>	<b>\$249,275</b>	<b>\$193,823</b>	<b>\$274,775</b>	<b>\$426,215</b>	<b>\$495,113</b>	<b>\$363,965</b>	<b>\$480,306</b>	<b>\$286,825</b>	<b>\$327,714</b>	<b>\$3,571,472</b>	<b>\$2,861,290</b>
	<b>YTD Total</b>	<b>\$2,861,290</b>	<b>\$86,927</b>	<b>\$331,684</b>	<b>\$473,460</b>	<b>\$722,735</b>	<b>\$916,558</b>	<b>\$1,191,333</b>	<b>\$1,617,548</b>	<b>\$2,112,661</b>	<b>\$2,476,626</b>	<b>\$2,956,933</b>	<b>\$3,243,757</b>	<b>\$3,571,472</b>		
	Combined Export Flow, mg	3552	162	163	161	256	390	532	769	523	767	291	334	214	4,561	3,552
	Pumping Efficiency															
	Monthly Cost, \$/mg		\$537	\$1,505	\$879	\$975	\$497	\$517	\$554	\$946	\$474	\$1,652	\$859	\$1,533		
	YTD Running Cost, \$/mg	\$805	\$537	\$1,022	\$974	\$975	\$810	\$716	\$665	\$715	\$665	\$737	\$746	\$783	\$783	

**Q4 Notes:**  
 April labor costs due to asset management work, discharge exercise  
 April electricity costs unusually high due to pumping times to compensate for flow meter replacements  
 June Contractual Services: eOM Modernization project to update LAVWMA electronic Operations Manual  
 Cathodic Protection Survey project began in June and identified several repairs that were completed concurrent to the survey work

LAVWMA  
 BUDGET COMPARISON TO ACTUAL EXPENSES: LABOR

Current FY Period: 12

ACTUAL EXPENSES BILLED TO LAVWMA FOR REGULAR O&M															
FY 2022-2023	Jul 2022	Aug 2022	Sep 2022	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Apr 2023	May 2023	Jun 2023	YTD TOTAL	YTD Budget	
<i>Estimated Personnel Hours</i>															
<b>Division 51 - FOD</b>	<b>40</b>	-	-	-	10.00	-	10.00	-	-	-	25.00	8.00	-	53.00	40.00
Water/Wastewater Sys Lead Op	0														
Water/Wastewater Sys OP IV-On Call	0									4.00			4.00		
Water/Wastewater Sys OP IV	30													30.00	
Water/Wastewater Sys OP III	0														
Water/Wastewater Sys OP I/II	10				10.00		10.00			21.00	8.00		49.00	10.00	
Maintenance Worker	0														
Supervisor	0														
<b>Division 52 - WWTP</b>	<b>3,080</b>	<b>133.00</b>	<b>121.50</b>	<b>171.00</b>	<b>284.00</b>	<b>123.00</b>	<b>250.50</b>	<b>140.00</b>	<b>125.50</b>	<b>115.00</b>	<b>248.00</b>	<b>155.00</b>	<b>129.50</b>	<b>1,996.00</b>	<b>3,080.00</b>
Process Lead Operator IV/V	150		24.00	1.00	10.00	7.00	7.00	12.50	2.00	12.00	6.50	10.50		92.50	150.00
Senior WWTP Operator III	720	37.00	73.50	79.50	72.00	72.00	62.00	27.00	31.00	27.50	46.50	26.00	21.50	575.50	720.00
Operator In Training	400	59.50	9.00	79.50	148.00	12.00	95.50	100.50	68.00	58.50	192.00	118.5	108.00	1,049.00	400.00
Operator II	1,700	36.50	15.00	11.00	54.00	32.00	86.00				3.00			237.50	1,700.00
Operator II (SLSS)	0														
Operations Superintendent	110								24.50	17.00				41.50	110.00
<b>Division 53 - MECH</b>	<b>1,230</b>	<b>149.50</b>	<b>171.00</b>	<b>138.50</b>	<b>147.50</b>	<b>69.00</b>	<b>207.00</b>	<b>209.50</b>	<b>291.50</b>	<b>162.50</b>	<b>334.50</b>	<b>199.50</b>	<b>227.00</b>	<b>2,307.00</b>	<b>1,230.00</b>
Senior Mechanic-Crane Cert	60	44.00	70.50	69.00	29.50	34.00	77.00	95.00	117.50	88.50	126.00	79.50	91.00	921.50	60.00
Senior Mechanic - USA	80		16.50	29.50	12.50	8.00				2.00				68.50	80.00
Maintenance Worker	60				5.00									5.00	60.00
Mechanic I/II	980	20.50	29.00	28.00	17.00	4.00	62.50	86.50	109.00	40.00	139.00	89.50	66.00	691.00	980.00
Mechanic II-Crane Cert	0	68.50	43.00	10.00	43.00	9.00	41.50	8.00	39.00	9.00	24.00	4.50	38.00	337.50	-
Mechanic I/II - USA	0		4.00	2.00	10.00	2.00	24.00	20.00	17.00	23.00	45.50	26.00	32.00	205.50	-
Mechanic II-Crane Cert - USA	0	16.50	8.00		30.50	12.00	2.00							69.00	-
Supervisor	50								9.00					9.00	50.00
<b>Division 54 - ELEC</b>	<b>1,130</b>	<b>136.00</b>	<b>44.00</b>	<b>31.00</b>	<b>119.50</b>	<b>16.00</b>	<b>42.00</b>	<b>223.00</b>	<b>174.50</b>	<b>84.50</b>	<b>292.75</b>	<b>58.00</b>	<b>64.50</b>	<b>1,285.75</b>	<b>1,130.00</b>
Senior Instrument/Controls Tech	30	18.00		1.00		2.00	9.00	20.00	14.00	10.00	15.00		1.00	90.00	30.00
Instrumentation & Controls Tech I/II	300	55.00	35.00	8.50	63.50	5.00	7.00	68.00	74.50	63.50	139.25	52.00	41.50	612.75	300.00
OPS Control Sys Spec	300														300.00
Senior Electrician	30							36.00	10.00		32.00			78.00	30.00
Electrician I/II	440	63.00	7.00	19.50	53.00	8.00	26.00	94.00	73.00	8.00	104.50	2.00	21.00	479.00	440.00
Principal Eletrical Engineer	30		2.00	2.00	3.00	1.00		5.00	3.00	3.00	2.00	4.00	1.00	26.00	30.00
<b>Division 55 - Laboratory</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>24.00</b>	<b>6.00</b>	<b>-</b>	<b>-</b>	<b>30.00</b>	<b>-</b>
EC Inspector II-Pretreatment	0									24.00	4.00			28.00	
Laboratory Technician	0										1.00			1.00	
Supervisor	0										1.00			1.00	
<b>Division 26 - SAFETY</b>	<b>60</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>60.00</b>
Safety Officer	60														60.00
<b>Division 40 - ENG</b>	<b>260</b>	<b>14.50</b>	<b>8.50</b>	<b>2.50</b>	<b>6.50</b>	<b>7.00</b>	<b>23.00</b>	<b>3.50</b>	<b>14.00</b>	<b>12.50</b>	<b>14.00</b>	<b>10.00</b>	<b>7.00</b>	<b>123.00</b>	<b>260.00</b>
Senior Engineer-Supervisory	0														
Associate/Senior Civil Engineer-SME	100	14.50	4.50	2.50	6.50	7.00	23.00	3.50	14.00	10.50	14.00	10.00	7.00	117.00	100.00
Construction Inspector I/II	80		4.00											4.00	80.00
Engineering Technician II	40									2.00				2.00	40.00
GIS Analyst	40														40.00
<i>Total Estimated Personnel Hours</i>	<b>5,800</b>														
<i>FTE</i>	<b>2.8</b>														
<b>Total Monthly Hours</b>	<b>433.00</b>	<b>345.00</b>	<b>343.00</b>	<b>567.50</b>	<b>215.00</b>	<b>532.50</b>	<b>576.00</b>	<b>605.50</b>	<b>398.50</b>	<b>920.25</b>	<b>430.50</b>	<b>428.00</b>	<b>5,794.75</b>	<b>5,800.00</b>	

Notes:  
 Division 55 hours in March and April associated with the discharge exercise  
 Division 53 hours in April high due to asset management work  
 Division 54 hours in April high due to flowmeter work which triggered confined space requirements

LAVWMA	April		2023
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Enter only numerical data in the result columns and only qualifiers in the qualifier columns. Any other comments should go in the corresponding cell on the Comments tab.

Parameter	Flow	CBOD Qual	CBOD	TSS Qual	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Qual	Fecal Coliforms	Enterococci
Units	MGD		mg/L		mg/L	SU	SU	mg/L	mg/L		MPN/100mL	MPN/100mL
Test Method	Daily Average (Mean)		SM 5210 B-2011		SM 2540 D-2011	SM 4500-H+B-2011	SM 4500-H+B-2011	Daily Average (N)	Daily Average (Mean)		SM 9221 C,E-2006	Enterolert
MDL					1.4							
RL			3.0		4.5						2	10
Location	LAVWMA-EXP		LAVWMA-EXP		LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS		SLSS	SLSS
4/1/2023	24.10					7.13	7.25	3.09				
4/2/2023	19.01					7.17	7.28	2.59				
4/3/2023	20.98					7.15	7.30	2.50				
4/4/2023	16.83					7.17	7.30	2.76		<	2	< 10
4/5/2023	19.21		4.1		8.8	7.15	7.28	2.98				
4/6/2023	18.92					7.15	7.34	2.64				
4/7/2023	18.66					7.18	7.27	2.53				
4/8/2023	19.21					7.15	7.27	2.23				
4/9/2023	18.25					7.15	7.27	2.20				
4/10/2023	17.59					7.08	7.23	1.84				
4/11/2023	16.29					7.10	7.24	1.35			4	< 10
4/12/2023	19.36		6.2		9.6	7.18	7.35	1.06				
4/13/2023	18.99					7.13	7.31	1.63				
4/14/2023	11.12					7.11	7.27	2.00				
4/15/2023	19.07					7.13	7.24	1.84				
4/16/2023	14.59					7.08	7.20	2.04				
4/17/2023	11.82					7.13	7.25	1.91				
4/18/2023	18.19					7.15	7.33	1.70			2	
4/19/2023	14.06		4.4		9.7	7.13	7.31	2.83				
4/20/2023	16.11					7.08	7.27	2.60				
4/21/2023	8.32					7.01	7.23	2.29				
4/22/2023	19.12					7.01	7.17	2.06				
4/23/2023	11.65					7.02	7.18	2.43				
4/24/2023	11.90					7.01	7.18	2.12				
4/25/2023	9.59					7.06	7.22	1.83			4	< 10
4/26/2023	11.88		6.4		10	7.01	7.25	1.92				
4/27/2023	9.56					7.08	7.19	1.76				
4/28/2023	10.54					7.06	7.22	1.41				
4/29/2023	14.06					7.06	7.27	1.52				
4/30/2023	12.71					7.10	7.33	1.90				

Note:  
 Column G - pH Minimum; online  
 Column H - pH Maximum; online

LAVWMA	May		2023
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Enter only numerical data in the result columns and only qualifiers in the qualifier columns. Any other comments should go in the corresponding cell on the Comments tab.

Parameter	Flow	CBOD Qual	CBOD	TSS Qual	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Qual	Fecal Coliforms	Enterococci
Units	MGD		mg/L		mg/L	SU	SU	mg/L	mg/L		MPN/100mL	MPN/100mL
Test Method	Daily Average (Mean)		SM 5210 B-2011		SM 2540 D-2011	SM 4500-H+B-2011	SM 4500-H+B-2011	Daily Average (N)	Daily Average (Mean)		SM 9221 C,E-2006	Enterolert
MDL					1.4							
RL			3.0		4.5						2	10
Location	LAVWMA-EXP		LAVWMA-EXP		LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS		SLSS	SLSS
5/1/2023	10.89					7.13	7.32	1.55				
5/2/2023	7.03					7.15	7.45	2.27		<	2	< 10
5/3/2023	16.66		6		9.4	7.13	7.31	2.43				
5/4/2023	12.45					7.13	7.78	3.30				
5/5/2023	17.73					7.13	7.30	2.72				
5/6/2023	13.88					7.11	7.25	3.26				
5/7/2023	12.45					7.13	7.28	2.54				
5/8/2023	12.18					7.10	7.42	2.69				
5/9/2023	11.76					7.13	7.40	2.66		<	2	< 10
5/10/2023	11.73		3.8		7.6	7.10	7.24	2.49				
5/11/2023	11.57					7.11	7.28	2.16				
5/12/2023	11.56					7.10	7.27	2.88				
5/13/2023	8.85					7.08	7.29	2.90				
5/14/2023	16.68					7.16	7.29	2.17				
5/15/2023	6.78					7.08	7.27	2.21				
5/16/2023	11.77					7.20	7.31	1.40			<	10
5/17/2023	6.92		5.0		8.4	7.15	7.53	1.88				
5/18/2023	9.07					7.35	7.74	1.41				
5/19/2023	9.19					7.34	7.78	1.34				
5/20/2023	10.34					7.35	7.77	1.34				
5/21/2023	10.28					7.15	7.47	1.13				
5/22/2023	11.39					7.15	7.96	1.12				
5/23/2023	9.29					7.17	7.40	1.47			8	< 10
5/24/2023	10.35		6.1		16	7.34	7.40	0.94				
5/25/2023	11.34					7.35	7.27	0.41				
5/26/2023	7.55					7.15	7.31	1.47				
5/27/2023	9.05					7.20	7.36	0.78				
5/28/2023	8.20					7.18	7.38	2.37				
5/29/2023	7.10					7.16	7.35	1.97				
5/30/2023	10.45					7.10	7.43	1.73			4	< 10
5/31/2023	9.32		6.9		12	7.08	7.28	1.59				

Note:  
 Column G - pH Minimum; online  
 Column H - pH Maximum; online

LAVWMA	June		2023
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Enter only numerical data in the result columns and only qualifiers in the qualifier columns. Any other comments should go in the corresponding cell on the Comments tab.

Parameter	Flow	CBOD Qual	CBOD	TSS Qual	TSS	pH	pH	Total Residual Chlorine	Total Residual Chlorine	Fecal Qual	Fecal Coliforms	Enterococci
Units	MGD		mg/L		mg/L	SU	SU	mg/L	mg/L		MPN/100mL	MPN/100mL
Test Method	Daily Average (Mean)		SM 5210 B-2011		SM 2540 D-2011	SM 4500-H+B-2011	SM 4500-H+B-2011	Daily Average (N)	Daily Average (Mean)		SM 9221 C,E-2006	Enterolert
MDL					1.4							
RL			3.0		4.5						2	10
Location	LAVWMA-EXP		LAVWMA-EXP		LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	LAVWMA-EXP	SLSS		SLSS	SLSS
6/1/2023	8.79					7.15	7.28	1.44				
6/2/2023	8.94					7.14	7.21	0.80				
6/3/2023	8.77					7.11	7.19	1.50				
6/4/2023	8.07					7.07	7.12	1.36				
6/5/2023	6.59					7.12	7.22	1.31				
6/6/2023	8.70					7.17	7.17	1.42			30	10
6/7/2023	7.80		6.3		11	7.19	7.21	1.18				
6/8/2023	7.60					7.17	7.21	1.01				
6/9/2023	6.81					7.15	7.19	0.85				
6/10/2023	9.50					7.20	7.21	1.47				
6/11/2023	8.96					7.19	7.21	3.03				
6/12/2023	7.64					7.14	7.21	2.88				
6/13/2023	9.26					7.14	7.20	2.07			22	< 10
6/14/2023	7.34		4.9		10	7.10	7.18	1.71				
6/15/2023	6.16					7.09	7.18	2.26				
6/16/2023	5.74					7.12	7.21	3.33				
6/17/2023	5.23					7.09	7.22	2.09				
6/18/2023	6.83					7.09	7.21	1.47				
6/19/2023	4.96					7.14	7.21	1.18				
6/20/2023	6.24					7.14	7.33	0.95			13	< 10
6/21/2023	5.41		4.0		6.5	7.12	7.26	1.62				
6/22/2023	5.84					7.14	7.16	1.27				
6/23/2023	6.30					7.21	7.16	1.50				
6/24/2023	7.58					7.19	7.21	1.48				
6/25/2023	8.12					7.12	7.13	1.22				
6/26/2023	5.87					7.19	7.21	1.40				
6/27/2023	8.16					7.15	7.17	1.45			30	< 10
6/28/2023	4.44		3.8		5.8	7.12	7.23	1.30				
6/29/2023	6.01					7.12	7.33	1.37				
6/30/2023	6.09					7.02	7.15	1.28				

Note:  
 Column G - pH Minimum; online  
 Column H - pH Maximum; online

**DUBLIN SAN RAMON SERVICES DISTRICT  
WASTEWATER TREATMENT FACILITY**

**LAVWMA - 2nd Quarter 2023**

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO <sub>3</sub> )	Alkalinity (mg/L CaCO <sub>3</sub> )	pH (Actual)	pH Saturation	Langlier Index
04/04/23	746	17.9	162	342	7.6	7.2	0.4
05/23/23	586	21.6	94	322	7.5	7.4	0.1
06/06/23	525	22.0	77	256	7.5	7.5	0.0
MAXIMUM	746	22.0	162	342	7.6	7.5	0.4
MINIMUM	525	17.9	77	256	7.5	7.2	0.0
AVERAGE	619	20.5	111	307	7.5	7.4	0.2

**DUBLIN SAN RAMON SERVICES DISTRICT  
WASTEWATER TREATMENT FACILITY**

**DSRSD - 2nd Quarter 2023**

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO <sub>3</sub> )	Alkalinity (mg/L CaCO <sub>3</sub> )	pH (Actual)	pH Saturation	Langlier Index
04/04/23	822	18.4	190	382	7.6	7.1	0.5
05/23/23	581	21.8	110	284	7.4	7.4	0.0
06/06/23	540	22.4	82	222	7.2	7.6	-0.4
MAXIMUM	822	22.4	190	382	7.6	7.6	0.5
MINIMUM	540	18.4	82	222	7.2	7.1	-0.4
AVERAGE	648	20.9	127	296	7.4	7.3	0.1



CITY OF LIVERMORE  
LIVERMORE WATER RECLAMATION PLANT

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO <sub>3</sub> )	Alkalinity (mg/L CaCO <sub>3</sub> )	pH (Actual)	pH Saturation	Langlier Index
04/05/23	665	20.0	109	333	7.4	7.4	0.0
05/03/23	570	21.0	71	320	7.5	7.6	-0.1
06/07/23	830	23.0	65	316	7.6	7.6	0.0
MAXIMUM	830	23.0	109	333	7.6	7.6	0.0
MINIMUM	570	20.0	65	316	7.4	7.4	-0.1
AVERAGE	688	21.3	82	323	7.5	7.5	0.0



**ITEM NO. 9 PROJECT STATUS REPORTS - PURCHASE OF THREE VERTICAL TURBINE PUMPS, THE SAN LEANDRO SAMPLE STATION IMPROVEMENTS PROJECT, AND THE EMERGENCY REPAIR OF THE LIVERMORE INTERCEPTOR PIPELINE****Action Requested**

None at this time.

**Summary**

The Board previously authorized the Purchase of Three Vertical Turbine Pumps, the San Leandro Sample Station Improvements Project (SLSS Project), and the Emergency Repair of the Livermore Interceptor Pipeline. Each project is discussed in more detail below.

**Purchase of Three Vertical Turbine Pumps**

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

Beginning on July 20, 2023, Trillium has been hosting biweekly status meetings to ensure that the August 31 shipping date can be met. This is the first time that Trillium staff has been proactive. Witness testing of the pumps is scheduled for August 23 and 24, 2023. DSRSD staff will attend. The General Manager may also attend. The pump testing will take place at Trillium's facility in Fresno, California. Prior to attending the witness testing, West Yost, the pump consultant, will meet with Trillium to ensure that they have all the necessary testing equipment. The Agency's specifications are quite specific and are far more stringent than a typical off the shelf pump.

**San Leandro Sample Station Improvements Project**

HydroScience Engineers (HS) is the design engineer for this project. The proposed FYE24 Budget is currently \$1,000,000 for this project. The notice inviting bids was posted on the website, emailed to prospective bidders, posted on two construction service websites, and posted on the CSDA website on July 5, 2023. The Mandatory Bidders' Conference was held on July 18, 2023. Three contractors attended. Bidders' questions were due on July 24, 2023. There were no questions submitted. Three bids were submitted by the deadline on July 31, 2023. A Zoom opening was conducted.

A summary of the bids is included as **Attachment No. 9.a**. The bids ranged from \$1,394,000 to \$1,795,000. McGuire and Hester (MH), Oakland, is the lowest responsive and responsible

bidder. The engineer's final estimate was \$1,200,000. Since the low bid is 16.2% more than the Engineer's estimate, rebidding was briefly considered. However, it was determined that this is the current construction market and rebidding would likely result in even higher results. As a consequence, a Notice of Potential Award (NPA) was issued to MH on August 3, 2023. The NPA includes the following language:

A copy of the Contract accompanies this Notice. No later than ten days from the date of this Notice of Potential Award (NPA), Contractor must: (1) Execute the attached Contract and return it to me via DocuSign, (2) submit the required insurance certificates and endorsements to me via email, and (3) submit electronic copies of the required Payment Bond and Performance Bond to me via email and send the original form of the Payment Bond and Performance Bond to me at the address specified in Section 11 of the Contract. The NPA and the Contract will be sent through DocuSign in separate packets.

Failure to execute and return the Contract via DocuSign and the required bonds and insurance documentation within the specified time could result in forfeiture of Contractor's bid security. This NPA does not bind the Agency to award the Contract. The Agency, acting through its Agency Board of Directors or authorized designee, reserves the right to reject any or all bids, and the right to decline to award the Contract, notwithstanding any staff recommendation.

Since the NPA was issued, MH has done the following: 1) signed the contract via DocuSign, 2) provided the necessary insurance documentation, 3) submitted the required bonds, and 4) signed the NPA via DocuSign. It is staff's recommendation that the Board award the Agreement to McGuire and Hester at a cost not to exceed \$1,394,000 by approving Agenda Item No. 10, Modification No. 1 to the Operating and Capital Budget for Fiscal Year 2023/24 and Agenda Item No. 11, Approval of a Resolution Awarding an Agreement for the San Leandro Sample Station Design Improvements Project to the Lowest Responsible and Responsive Bidder.

As noted in Agenda Item No. 12, the engineering costs for the SLSS project have also increased due to additions to the scope and inflation. Staff also recommends approval of Agenda Item No. 12, Amendment No. 2 to Agreement for Consultant Services with HydroScience for the Design of the San Leandro Sample Station Improvements Project.

#### Emergency Repair of the Livermore Interceptor Pipeline

As explained in Agenda Item No. 6.b, the Livermore Pipeline Repair Project is being treated as an emergency to protect against further damage to the pipeline when wet weather begins later this year. Carollo Engineers has been hired to do the design work for the project. The original preferred alignment was not acceptable to the property owner, represented by Steelwave. Since

Agenda Explanation  
 Livermore-Amador Valley  
 Water Management Agency  
 Board of Directors  
 August 16, 2023

that time, additional alignments have been and are continuing to be investigated, including one recommended by Steelwave. A project team with representatives from LAVWMA, DSRSD, Livermore, and Carollo have been meeting weekly. The agenda and notes from the most recent meeting held on August 10, 2023 are included as **Attachment No. 9.b**. This provides a good summary of all current aspects of the project.

The FYE24 Budget approved in May 2023 includes \$2,000,000 for this project. Since the original estimate, the estimated costs have increased dramatically. Please refer to **Attachment No. 9.c**, email from DSRSD Assistant Engineer, Karla Castro. Costs have increased for the following items:

- Engineering for analysis of additional alignments
- Construction Management, not included in the original estimate
- Geotechnical analysis for additional alignment analysis
- Supplies and materials due to supply chain and inflation issues
- Construction due to the complexity of the project and inflation

The current estimated cost is \$4,622,227, which does not include any property acquisition costs. Staff is recommending that the cost for this project in the FYE24 Budget be increased to \$5,000,000 to cover any unknown contingencies and property acquisition costs. This will be considered separately in Agenda Item No. 10, Modification No. 1 to the Operating and Capital Budget for Fiscal Year 2023/24.

There are three additional items to be noted for this project. The first is that this is a sole-use project for the City of Livermore as they are the only user of the pipeline. The second is that the Agency's pipelines are not covered by its insurance carrier, California Special District Risk Management Authority (CSRMA). A check with the member agencies indicates that this is common practice as the cost for coverage would be prohibitive. The third is that an application for potential reimbursement to the California Office of Emergency Services (Cal OES) has been submitted and is working its way through channels. It is currently under review as noted in the following text contained in an email dated August 11, 2023:

*The California Governor's Office of Emergency Services (Cal OES) is reviewing a Request for Public Assistance (RPA) submitted by **Livermore Amador Valley Water Management** in FEMA's Grants Portal system for the California Severe Winter Storms, Straight-line Winds, Flooding, Landslides, and Mudslides event (DR-4699).*

It is unknown how much money might be received through the Cal OES/FEMA grant program. Staff will keep the Board informed at future meetings.

**Recommendation**

Page 4

Agenda Explanation  
Livermore-Amador Valley  
Water Management Agency  
Board of Directors  
August 16, 2023

Please refer to recommendations in Agenda Item Nos. 10, 11, and 12.

**Attachments**

- a. San Leandro Sample Station Bid Results
- b. August 10, 2023 LAVWMA Livermore Pipeline Repair Agenda
- c. August 10, 2023 DSRSD Email Regarding Pipeline Repair Budget

## San Leandro Sample Station Bid Results

7/31/2023

Due by 3:00 p.m.

Bidder	CWS Construction Group, Inc.	Integra Construction Services, Inc.	McGuire and Hester
Time Submitted	2:50 p.m.	2:52 p.m.	2:55 p.m.
Base Bid	\$1,795,000.00	\$1,755,918.00	\$1,394,000.00
Bid Alternate #1	\$80,000.00	\$44,082.00	\$76,000.00
Signature No. 1	Charlie Slack Sr., President	Alexander Giammona, President	Brock N. Grunt, President
Signature No. 2	Charlie Slack, Secretary	Alexander Giammona, Secretary	Randy C. Somerday, Exec. VP
Contractors License Number	811153	481246	95879
Expiration Date	4/30/2025	9/30/2024	11/30/2023
Classification	A & B	A & B	A, B, C21, C27, C31, HAZ
DIR Registration #	1000020287	1000002133	1000000033
Phone Number	415-209-0229	925-398-8290	510-632-7676
<b>Bid Schedule</b>	Extended Total Amount	Extended Total Amount	Extended Total Amount
Bid Item No. 1, Mobilization/Demobilization/Demolition	\$250,000.00	\$300,918.00	\$75,000.00
Bid Item No. 2, Sheeting, Shoring, and Bracing	\$30,000.00	\$7,500.00	\$1,500.00
Bid Item No. 3, Traffic Control Plan and Permits	\$20,000.00	\$15,000.00	\$38,000.00
Bid Item No. 4, Environmental Control	\$30,000.00	\$7,500.00	\$7,000.00
Bid Item No. 5, Mechanical Improvements	\$840,000.00	\$850,000.00	\$645,000.00
Bid Item No. 6, Electrical, Instrumentation, and Control Improvements	\$400,000.00	\$305,000.00	\$415,000.00
Bid Item No. 7, Cathodic Protection Improvements	\$55,000.00	\$15,000.00	\$12,500.00
Bid Item No. 8, Civil and Sitework	\$150,000.00	\$250,000.00	\$175,000.00
Bid Item No. 9, Testing, Startup, and Commissioning	\$20,000.00	\$5,000.00	\$25,000.00
Total Base Bid	\$1,795,000.00	\$1,755,918.00	\$1,394,000.00
Total of Bid Items Matches Total in Section 1	Yes	Yes	Yes
<b>Subcontractor List</b>	Electrical, Blocka Construction, 20%	Sitework & Concrete, James Breneman, 25%	Concrete, Casey-Fogli, 0.6%
	Earthwork, Terocons, 28%	Instrumentation, Access Control, Point One Electrical Systems, Inc. 10%	Painting, Jeffco Painting, 1.7%
		Cathodic Protection, Accurate Corrossion Control, Inc., 1%	Elextica, Blocka Construction, 26%
Noncollusion Declaration Signed by	Charlie Slack	Alexander Giammona	Randy C. Somerday, Exec. VP, with California All-Purpose Acknowledgement
Bidders Questionnaire Completed	Yes, signed by Charlie Slack, no issues, EMR = 0.83, no safety issues, did not complete Item No. 4, person responsible for safety program, comprehensive list of past projects	Not Submitted, required within 48 hours when requested by LAVWMA	Yes, signed by Randy C. Somerday, Exec. VP, no issues, listed lots of past projects, EMR 0.88 to 1.17, 3 lost workday cases, 4 medical treatment cases, lists Safety Manager's name with brief bio.
Bid Bond	Yes, signed by Charlie Slack, Notarized, with Acknowledgement, power of attorney, Notarized	Yes, signed by Alexander Giammona, President; Surety by Gray Casualty & Surety Company, (seals for both companies) Notarized, and General Power of Attorney	Yes, signed by Randy C. Somerday, Exec. VP, and Yvonne Roncagliolo, Attorney-in-Fact for Western Surety Company (seals for both companies), Notarized

**LAVWMA LIVERMORE PIPELINE REPAIR****Agenda**

August 10, 2023

Location: Microsoft Teams  
 Time: 2:00 PM to 2:30 PM  
 Attendees (Required): Darren Baune, Karla Castro, Jason Ching, Anthony Smith, Chuck Weir  
 Attendees (Optional): Jarrett Rasmussen, Andrew Coulter

**Completed Field Activities to Date:**

- Field Survey completed June 21<sup>st</sup>, 2023.
  - Final Topo received 7/25/2023.
- Geotech completed site visit June 30<sup>th</sup>.
  - Final Report received 8/10/23.
- DPI completed initial potholing activities including existing 27-inch pipeline on Steelwave property as well as existing Zone 7 facilities within the project area.

**Upcoming Field Activities:**

- LCC (Surveyor)
  - Revised Topo anticipated 8/15
- Geotech will need about a month to remobilize (~August 18<sup>th</sup>)
  - Final Report optimistically ~August 31<sup>st</sup>
- DPI is currently potholing the Zone 7 line.
  - DPI activities to be completed by 8/11/23

**Permitting:**

- Fish & Wildlife Streambed Permit
  - SMB Environmental, Steve Brown, has been added to LAVWMA account to facilitate Streambed Application submittal.
  - Will be submitted August 18<sup>th</sup>.
- State Clearinghouse/CEQA Submittal
  - Submitted on 7/17/23
    - SCH# is 2023070300
    - DSRSD to revise SCH submittal with revised alignment by 8/15/23
  - Revised CEQA to Alameda County 8/10/23

**Property Acquisition:**

- LAVWMA & DSRSD will continue with negotiations to have Grant Easements “in place” prior to beginning construction.
- Zone 7
  - Anticipates requiring an administrative fee of \$5,000 for easement.
  - Will not require easement to be finalized before construction, anticipates Special Provision into the Encroachment Permit, that stipulates Easement must be completed as part of closing out the Permit
- Calmat
  - Received Grant of Easement and preliminary markup of required easement area. Will review early next week (8/14). Anticipate meeting week of (8/14) to discuss.



- Livermore
  - FAA will require reimbursement? To be confirmed.
  - Allow Special Provision into the Encroachment Permit, that stipulates Easement must be completed as part of closing out the Permit? To be confirmed.
- Steelwave
  - LAVWMA and DSRSD to continue discussion of Easements .
- Appraisal to be conducted for relevant properties.

**Design:**

- Carollo is revising initial design after conversation with Steelwave's design team.
- Carollo to develop preferred pipeline alignment design based on survey and Geotech information.
  - Preliminary Drawings anticipated 8/18/23

**Construction:**

- Construction PO's issued to date:
  - PO for Construction Design Consulting in \$30,000.
    - Amendment for \$35,000 to continue services through alternate design
    - Revised PO NTE \$65,000.
  - PO for Potholing in an amount NTE \$70,000.
  - PO for Material Procurement NTE \$950,000.

**Project Cost:**

- August 16<sup>th</sup> is the next LAVWMA board meeting
  - DSRSD will provide any needed budget adjustments to Chuck for LAVWMA Board approval. An increase in budget is anticipated for:
    - CM services,
    - Preliminary construction quote based on current drawings,
    - Property Acquisition,

**Action Items:**

-

**From:** [Karla Castro](#)  
**To:** [Chuck Weir](#)[LAVWMA](#)  
**Cc:** [Jason Ching](#)  
**Subject:** Current LAVWMA Emergency Repair Pipeline Project Budget  
**Date:** Thursday, August 10, 2023 4:04:50 PM  
**Attachments:** [image004.png](#)

---

Hi Chuck,

As promised, please see the current estimated total LAVWMA Pipeline Repair project costs:

**Current approved LAVWMA budget falls short of anticipated total project costs by \$2,622,227.34. (Also note this estimate does not include property right costs, which are yet to be determined via the appraisal.)**

Current Estimated LAVWMA Pipeline Repair Project costs		
Design		
	Carollo Project Scope (Based on initial Design)	\$ 556,263.00
	Amendment (to revise alignment)	\$ 120,000.00
	<b>Total</b>	<b>\$ 676,263.00</b>
Construction Management (CM) Services		
	Carollo Scope (Will be routed for approval)	\$ 195,070.00
	<b>Total</b>	<b>\$ 195,070.00</b>
Construction		
	Construction Design Consulting	\$ 30,000.00
	Amendment (to continue through revised alignment)	\$ 35,000.00
	Potholing	\$ 70,000.00
	Material Procurement	\$ 950,000.00
	Preliminary Budget for Construction*	\$ 2,665,894.34
	<b>Total</b>	<b>\$ 3,750,894.34</b>
<b>Estimated Project Total (Design, CM Services, Construction):</b>		<b>\$ 4,622,227.34</b>
<b>LAVWMA Board Approved Budget</b>		<b>\$ 2,000,000.00</b>

\*DPI provided preliminary construction costs based on current Carollo drawings and anticipated new alignment. These numbers will be subject to change as Carollo finalizes its revised alignment design.

Please note that we are still working on putting together final contracts, but we wanted to present our current understanding of total project costs prior to LAVWMA's August 16<sup>th</sup> board meeting next week in case LAVWMA would be interested in proposing a budget adjustment to the board.

Please let me know if you have any questions. However, I will be out of office beginning Friday August 11th through Monday August 14th. Returning to the office Tuesday August 15<sup>th</sup>.

Thank you,

Karla Castro, PE

Assistant Engineer

(925) 875-2267 | [kcastro@dsrsd.com](mailto:kcastro@dsrsd.com) | [www.dsrsd.com](http://www.dsrsd.com)

7051 Dublin Blvd, Dublin, 94568



**ITEM NO. 10 MODIFICATION NO. 1 TO THE OPERATING AND CAPITAL BUDGET FOR FISCAL YEAR 2023/24**

**Action Requested**

Approve Modification No. 1 to the Operating and Capital Budget for Fiscal Year 2023/24.

**Summary**

As noted in Agenda Item No. 9, there are two capital projects that need to be revised in the FYE24 Budget. They are described separately below.

San Leandro Sample Station (SLSS) Design Improvements Project

As noted in Agenda Item No. 9, staff is recommending awarding the construction contract to McGuire and Hester at a not to exceed cost of \$1,394,000 based on the fact that they are the lowest responsive and responsible bidder. The current FYE24 Budget cost estimate for the SLSS project is \$1,000,000. The revised cost estimate is \$1,800,000 based on the following:

McGuire and Hester Contract	\$1,394,000
Bid Alternate No. 1	76,000
Engineering Costs for HydroScience	150,000 (\$285,000 total with \$135,000 already spent)
DSRSD staff time during construction	100,000
<u>Contingencies</u>	<u>80,000</u>
Total Cost	\$1,800,000

Bid Alternate No. 1 is to replace the electrical cable to the EBDA valve and flow meter. It is not known if that will be needed until everything is tested during the project. If it is needed, it will be added as a contract change order to McGuire and Hester’s contract.

Emergency Repair of the Livermore Interceptor Pipeline

As noted in Agenda Item No. 9, the cost for the pipeline repair is currently estimated at \$4,622,227, which does not include any property acquisition costs. Including contingencies, DSRSD staff time, and property acquisition results in a revised cost estimate of \$5,000,000, which is summarized below.

Design	\$ 676,000
Construction Management	195,000
Construction	3,751,000
<u>Contingencies</u>	<u>378,000</u>
Total	\$5,000,000

Agenda Explanation  
Livermore-Amador Valley  
Water Management Agency  
Board of Directors  
August 16, 2023

As noted in the attached Modification No. 1 to the Operating and Capital Budget for Fiscal Year 2023/24, the Renewal & Replacement Fund Balances will drop by approximately 50% during the fiscal year. Much of the decrease is due to the pipeline replacement project. Since this is a sole-use project funded entirely by the City of Livermore, the Sole Use portion of the Fund will actually go negative. Arrangements will be made with Livermore to ensure the balance does not go negative. In addition, reimbursements from Cal OES/FEMA will help bring the Sole Use Fund back to its normal level.

**Recommendation**

Approve Modification No. 1 to the Operating and Capital Budget for Fiscal Year 2023/24.

**Attachment**

Modification No. 1 to the Operating and Capital Budget for Fiscal Year 2023/24.



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

**MODIFICATION NO. 1**

**FISCAL YEAR 2023/24**

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

# LAVWMA FY2023/24 Budget

## LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY OPERATING AND CAPITAL BUDGETS FISCAL YEAR 2023/24

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# LAVWMA FY2023/24 Budget

## LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY OPERATING AND CAPITAL BUDGETS FISCAL YEAR 2023/24

### EXECUTIVE SUMMARY

#### OPERATING BUDGET

The proposed operating budget of \$4,832,996 is a 29.21% increase from the FY2022/23 budget. The total revenue requirement of \$11,883,096 is a 10.17% increase from the FY2022/23 budget. Debt service payments consist of \$2,025,620 for the Repair Project and \$4,624,480 for the Expansion Project for a total of \$7,050,100. The DSRSD budget for LAVWMA includes an increase in labor costs to account for a 4.0% COLA adjustment as well. In the past DSRSD estimated costs were typically well below actual expenses and previous budgets reflected those costs. That is not the case this year.

Projected labor costs are substantially greater than what was budgeted for a variety of reasons, including:

- DSRSD is now fully staffed; they had not been in the past.
- Labor for storms management, emergency generator set up and testing, testing of permitted bypasses at San Lorenzo Creek and Alamo Canal.
- Lab testing for two permitted bypass events and for priority pollutant monitoring required once during the permit cycle.
- Removing the silt covering the San Lorenzo Creek discharge pipe on two occasions
- Inspection of the pipelines to check for damage due to the storms and associated flooding and response to the creek bed erosion and the Livermore pipeline exposure as a result of flooding.

Expenses for PG&E Power and contract services will also exceed the current budget due to extended pumping to manage storm flows, generator rental and required parts for the connection, and traffic control for pipeline inspections.

The FY2022/23 Budget includes a few items that varied from the approved budget including:

- PG&E power will be above budget based on total actual costs for the fiscal year. Despite DSRSD staff's outstanding efforts at managing pump operation to coincide with the new time of use schedule, costs will exceed the budget by 30%. This is due to the ever increasing rates from PG&E as well as the extended pumping times and additional pumps required to manage the severe wet weather flows experienced this winter. For the full fiscal year, the average cost was slightly less than \$.213/kWh.
- Contractual costs are well above budget due to the need to rent and set up the emergency generator as well as provide temporary protection for the Livermore pipeline.
- Management expenses will be below budget as major projects have been delayed due to lingering effects from the pandemic.

Based on expenses for the current fiscal year and the fact that those expenses are now in line with DSRSD's budget, this budget will use the proposed costs from DSRSD's budget for all O&M items, including PG&E power, labor, supplies, materials, contracts, and related items.



# LAVWMA FY2023/24 Budget

Based on historical PG&E costs, average kWh requirements for the past six years, and PG&E's projected cost per kWh increases, a power budget of as much as \$2.1M could be justified. However, other estimation methods could also support a budget of \$1.9M. Since this is so close to DSRSD's estimate of \$1,884,500, that figure is being used for FY2023/24.

The total EBDA O&M budget of \$984,279 is 17.47% more than last year. With the new Master Agreement the fixed cost is now 26.1%. Costs for EBDA are based on fixed and variable (flow based) percentages. The flow-based percentage is currently 16.3% as compared to 15.3% 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. An Amended and Revised Master Agreement was approved by both Boards in May 2021. The agreement was retroactive to July 1, 2021. EBDA costs for FY2023/24 are now based on the new Master Agreement.

The proposed FY2023/24 operating budget considers projected FY2022/23 expenditures and is based on the detailed budget, copy attached, prepared by DSRSD pursuant to the Maintenance Agreement. DSRSD's costs reflect a 4.0% 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 FY2023/24 Budget include the following:

- PG&E power costs are increasing 25.63% to account for rate increases and actual costs.
- Materials/Supplies and Contractual costs are increasing to reflect several planned O&M projects described in DSRSD's budget document.
- Permits and insurance are increasing since insurance will be nearly \$110,000 this year.
- EBDA costs are increasing as described below.
- Administrative costs are increasing to include the costs for the recruitment of a new General Manager and to provide a transition period.

Monitoring/Testing and Utilities (fixed) are the only items decreasing in FY2023/24. The priority pollutant sampling that is required one time in the five-year permit cycle was completed this year. The Utilities (fixed) budget matched DSRSD's budget.

## **CAPITAL BUDGET**

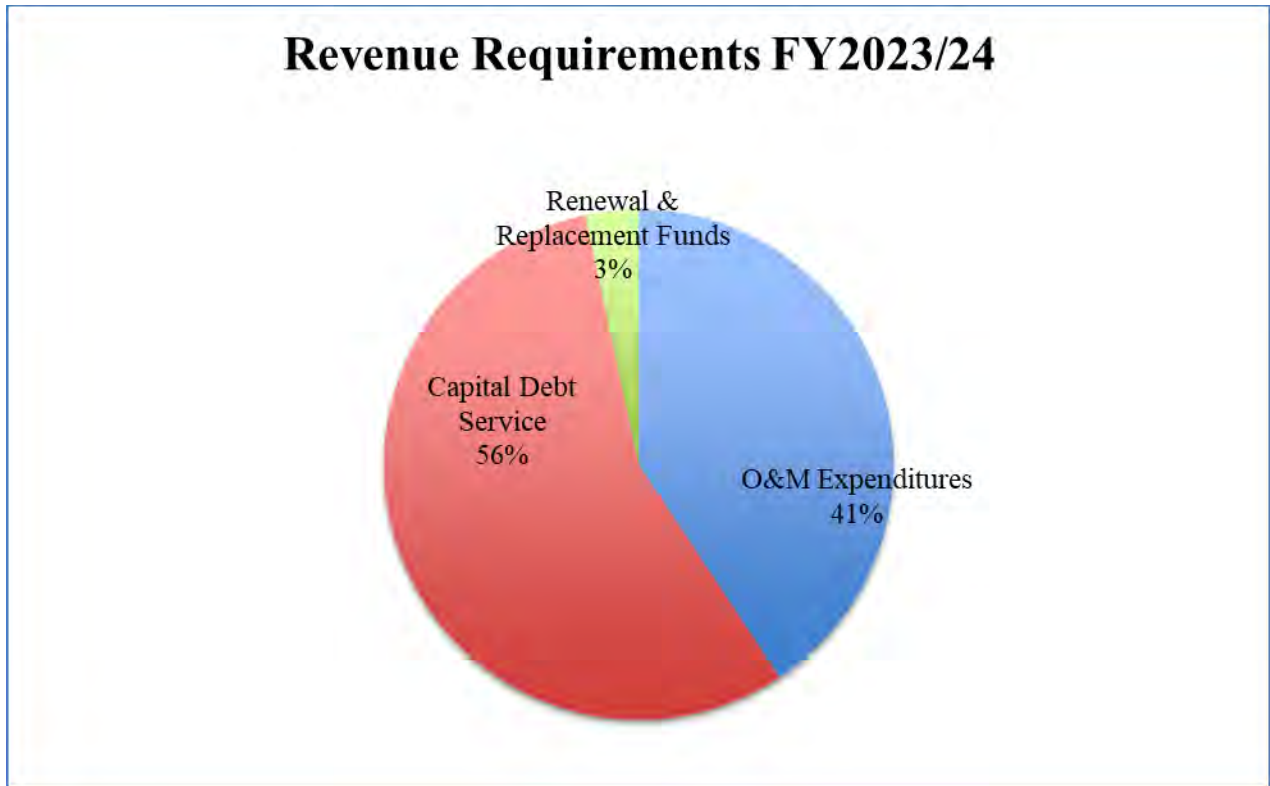
The FY2022/23 capital budget was \$2,650,000, of which approximately \$300,000 is projected to be spent this fiscal year. Much of this is due to delays associated with continued COVID-19 issues. In addition several of the projects are intended to span more than one fiscal year. The FY2023/24 capital budget of \$9,060,000 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), cathodic protection improvements, replacement of valve actuators at the pump station, replacement of the flow meters at the junction structure, pipeline inspection, repairs to an exposed section of the Livermore pipeline, Air/Vac valve assessment near the EBDA connection, and Backup power improvements at the pump station. All of these major projects have been recommended by

# LAVWMA FY2023/24 Budget

DSRSD staff. Please refer to the tables below which provide descriptions and summarize the costs.

## REVENUE REQUIREMENTS

The FY2023/24 budget also includes the debt service (repair and expansion) for the 2021 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. The refunding of the debt results in a savings of more than \$1.35 million. 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. The fund value remains at an acceptable level. The following pie chart illustrates the allocation of the \$11,883,096 in total revenue requirements for FY2023/24, which is an increase of 10.17% from last year.



### 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

# LAVWMA FY2023/24 Budget

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.

## 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

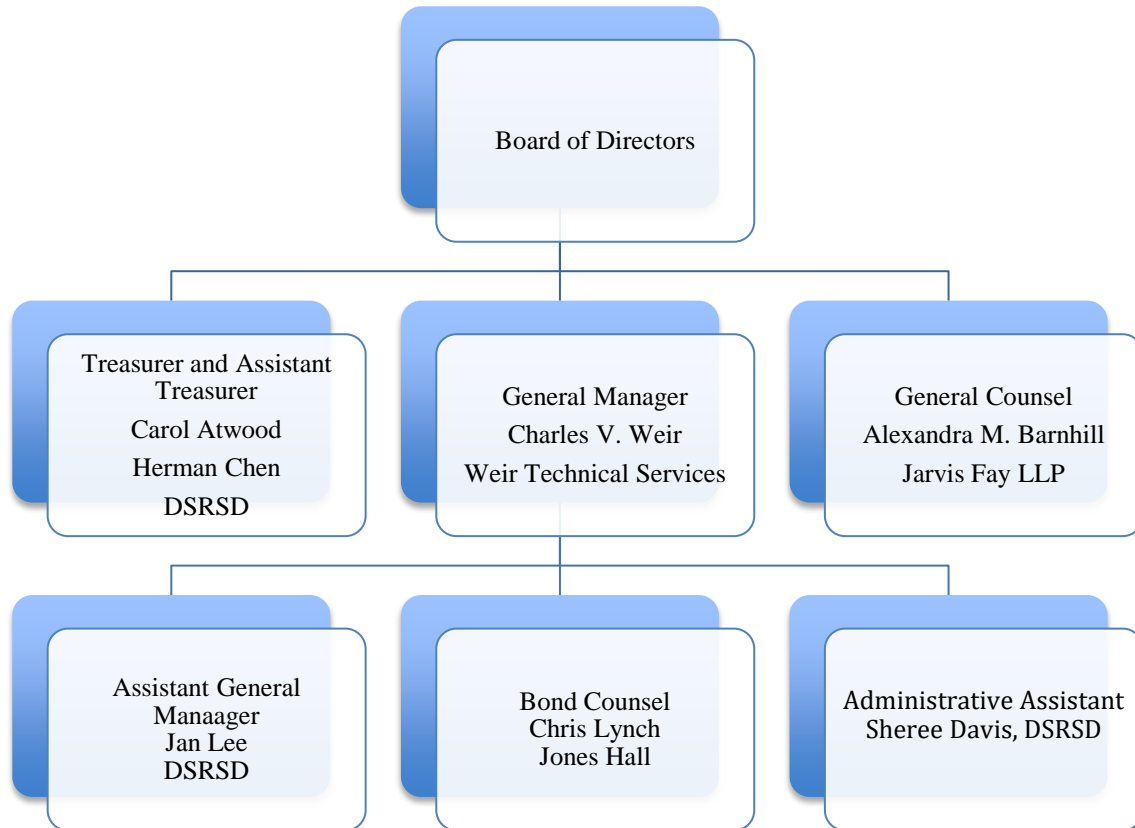
To carry out our Mission, LAVWMA will pursue the following goals:

- **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 FY2023/24 is shown in the following chart.

# LAVWMA FY2023/24 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 FY2023/24 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.

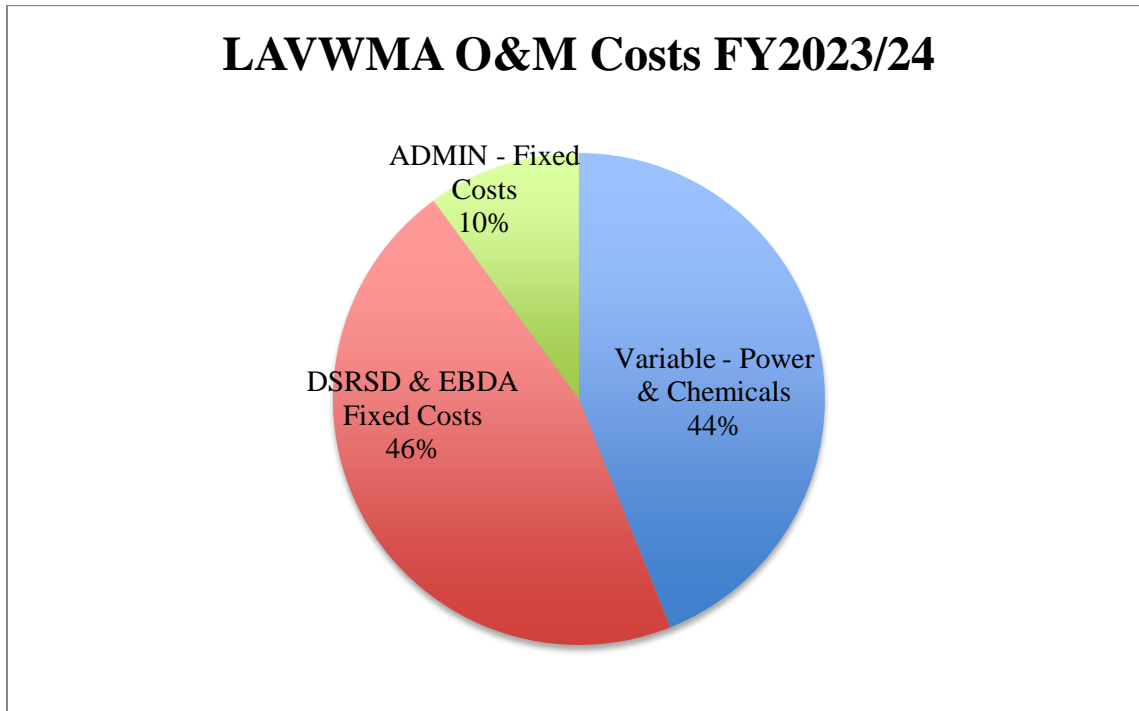
# LAVWMA FY2023/24 Budget

<b>FY2023/24 OPERATIONS BUDGET SUMMARY</b>							
			FY2022/23 Adopted Budget	FY2022/23 Projected Actual	FY2023/24 Proposed Budget	Change From Adopted FY2022/23	
<b>OPERATIONS AND MAINTENANCE</b>							
<b>VARIABLE COSTS</b>							
	DSRSD Maintenance Agreement (Power)		\$ 1,500,000	\$ 1,949,164	\$ 1,884,500	25.63%	
	EBDA O&M (See Table, Section 2.2.1)		160,959	160,959	243,378	51.21%	
	Subtotal - O&M Variable Costs		1,660,959	2,110,123	2,127,878	28.11%	
<b>FIXED COSTS</b>							
	DSRSD Maintenance Agreement						
	Labor		795,000	1,091,281	1,138,299	43.18%	
	Materials/Supplies		50,000	32,585	129,250	158.50%	
	Contractual		50,000	179,539	162,350	224.70%	
	Monitoring/Testing		42,000	42,700	35,600	-15.24%	
	Utilities (fixed)		7,500	6,038	3,150	-58.00%	
	Non Routine		8,000	-	8,000	0.00%	
	EBDA O&M (See Table, Section 2.2.3)		676,965	676,964	740,901	9.44%	
	EBDA Total		837,923	837,923	984,279	17.47%	
	Subtotal - O&M Fixed Costs		1,629,465	2,029,107	2,217,550	36.09%	
<b>ADMIN/MGMT</b>							
	Mgr/Treas/Counsel/Board		257,817	197,591	276,200	7.13%	
	Services/Supplies/Misc		72,100	56,931	79,364	10.07%	
	Permits/Insurance		120,004	120,000	132,004	10.00%	
	Subtotal Admin/Mgmt		449,921	374,522	487,568	8.37%	
	Subtotal All Fixed Costs		2,079,386	2,403,629	2,705,118	30.09%	
	<b>TOTAL O&amp;M COSTS</b>		<b>\$ 3,740,346</b>	<b>\$ 4,513,751</b>	<b>\$ 4,832,996</b>	<b>29.21%</b>	
<b>CAPITAL PROGRAM FUNDING</b>							
	Replacement Fund		400,000	400,000	400,000	0.00%	
	Repair Debt Service		2,024,280	2,024,280	2,025,620	0.07%	
	Expansion Debt Service		4,621,420	4,621,420	4,624,480	0.07%	
	SUBTOTAL		\$ 7,045,700	\$ 7,045,700	\$ 7,050,100	0.06%	
<b>TOTAL REVENUE REQUIREMENTS</b>			<b>\$10,786,046</b>	<b>\$11,559,451</b>	<b>\$11,883,096</b>	<b>10.17%</b>	

# LAVWMA FY2023/24 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 \$2,107,878 and make up approximately 44.03% of LAVWMA’s total operating budget. Pumping and chemical costs for FY2023/24 are projected to be 28.11% more than last year. Although DSRSD has done an excellent job of managing the PG&E time of use schedule, the actual rates have increased much greater than the rate of inflation. LAVWMA’s kWh costs averaged \$0.213 this year as compared with just under \$.20 last year. Both DSRSD and EBDA average \$0.04-\$0.05 more than LAVWMA. PG&E rates could increase to \$0.32/kWh by the end of FY2023/24 per their documentation. An average increase to \$0.27/kWh has been factored into the budget. The FY2023/24 Budget is based on actual and projected costs. The following table details the variable costs for EBDA.

Facility	Variable Cost	LAVWMA Cost, 16.3%
General Administration	\$66,000	\$10,754
Outfall & Forcemains	\$281,800	\$10,239 (22.3%)
Marina Dechlor Facility	\$606,100	\$106,215
Oro Loma Pump Station	\$598,000	\$99,957
Bay & Effluent Monitoring	\$250,000	\$43,255
<b>Total</b>	<b>\$1,801,900</b>	<b>\$270,420</b>

# LAVWMA FY2023/24 Budget

The total estimate for EBDA Variable O&M Costs is 90% of the above total, or \$243,378 for a 51.21% increase from last year. One of the increases is LAVWMA's share of sodium hypochlorite to meet bacteriological limits in EBDA's effluent. Due to the long travel time in the pipeline the chlorine residual in LAVWMA's effluent when it reaches EBDA is just slightly above zero. In order to ensure that bacteriological limits are met at the EBDA outfall, sodium hypochlorite is added at the Oro Loma Pump Station to ensure an adequate residual at the Marina Dechlorination Facility, and LAVWMA pays a 5% premium on those costs, or approximately \$5,000. This is far less expensive than DSRSD and Livermore increasing their sodium bisulfite dosage at their treatment plants. The other increases are due to rising PG&E costs and increased costs for sodium bisulfite for dechlorination of the effluent prior to discharge to the Bay. Chemical costs have nearly doubled in the last year. The Regional Board Basin Plan amendment was supposed to modify the chlorine residual limit, which would have vastly reduced the costs for sodium bisulfite. EPA did not approve the amendment based on objections from SU Fish and Wildlife. The Regional Board plans on issuing a blanket permit amendment to accomplish the same thing, but the timing of that is not known.

## **2.2.2 Fixed Costs - DSRSD Maintenance Agreement**

Operation and maintenance of LAVWMA facilities for FY2023/24 is estimated by DSRSD to require 5,412 fully burdened labor hours. This is slightly less than last year. Costs for these items are based on projected costs for FY2022/23 and anticipated needs for FY2023/24. DSRSD's budget shows \$1,138,299 for labor, which is consistent with this year's projected costs of \$1,091,281. The proposed budget includes \$1,138,299 for DSRSD labor, which includes a 4.0% COLA and matches DSRSD's budget.

## **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 30.1% as compared to 17.58% last year for a total of \$88,445. LAVWMA's share of the permit fee, \$691,768 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 \$184,172. There is also a nutrient surcharge that provides funds to BACWA for studies related to nutrient control. LAVWMA's share of this fee is 20.3%, or \$48,108. Lastly there is an Alternative Monitoring and Reporting fee related to Regional Board studies. LAVWMA's share of this is 33.3% (2 LAVWMA plants/6 total plants in the EBDA system), or \$10,771.

LAVWMA is responsible for a portion of the forcemain system and will be billed accordingly. With the new Master Agreement LAVWMA is responsible for 26.1% of the fixed costs for "shared" EBDA facilities. The new Master Agreement was retroactive to July 1, 2020. The following table summarizes the Fixed and Special Projects costs for EBDA.

# LAVWMA FY2023/24 Budget

Facility and Total Variable Cost	Fixed Cost	LAVWMA Percent Cost	LAVMWA Estimated Cost
General Administration	\$1,377,907	26.1%	\$359,634
Outfall & Forcemains	\$5,000	26.1%*22.3%=5.8%	\$291
Marina Dechlor Facility	\$8,000	26.1%	\$2,088
Oro Loma Pump Station	\$15,000	26.1%	\$3,915
Bay & Effluent Monitoring	\$459,867	26.1%	\$125,221
NPDES Permit Fee	\$691,768	26.62%	\$184,172
RMP Fee	\$293,760	30.11%	\$88,445
Nutrients Fee	\$237,114	20.29%	\$48,108
Alternative Monitoring and Reporting	\$32,314	33.33%	\$10,771
<b>Total</b>	<b>\$3,120,730</b>		<b>\$822,644</b>

Historically, EBDA has averaged approximately 90% of budget for the fixed costs listed above. Accordingly, \$740,901 is included in the FY23/24 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 \$487,568 as compared with \$449,921 last year or an increase of 8.37%. The increase is primarily due to the anticipated costs for the recruitment of a new General Manager. The total includes costs for the new DSRSD administrative staff person, Sheree Davis, to provide assistance to LAVWMA. 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.

## 2.2.5 Capital Program Funding

This category includes the projected FY2023/24 debt service (repair and expansion) for the 2021 bonds. Although repair and expansion of the existing pipeline 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 \$9,060,000 cost of capital projects in FY2023/24. Much of the capital project costs will be reimbursed by a combination of CalOES/FEMA and City of Livermore for the pipeline replacement project. 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.



# LAVWMA FY2023/24 Budget

The first table below lists the capital projects that will be completed by the end of FY2022/23. The second table lists all recommended projects for FY2023/24. All projects have been recommended and vetted by DSRSD staff.

<b>FY2022/23 Capital Program Expenditures</b>	
Purchase three new pumps and rebuild motors	\$5,780
Resealing of all Three Storage Basins	\$0
San Leandro Sample Station Design Improvements	\$48,315
MCCs and Soft Starters	\$164,520
Cathodic Protection Projects	\$1,082
PLC / SCADA Upgrade at the Pump Station	\$0
Pipeline Inspection	\$0
Electrical Improvements to the Main Switchgear	\$0
Smart Detectors on Ari/Vac and Air Release Valves	\$6,615
Other Misc. LAVWMA	\$31,439
Other Misc. EBDA	\$30,000
Cip Planning / Management Contingency	\$12,250
<b>Total Expenditures</b>	<b>\$300,000</b>

<b>FY2023/24 Capital Program Expenditures</b>		
<b>Project</b>	<b>Description</b>	<b>Cost</b>
Purchase three new pumps and rebuild two associated motors.	This project has been delayed from FYE22 and FYE23. The costs include \$357,000 for the new pumps, rebuilding two motors, engineering services, and DSRSD staff time to remove the old pumps and install the new pumps and rebuilt motors. The projected delivery date for the new pumps is July 31, 2023	\$510,000
San Leandro Sample Station (SLSS) Design Improvements	This project has evolved from what was described for last year's budget and is being carried over. It also now includes: 1. 24-inch flow control valve 2. 20-inch flow control valve 3. Two 30-inch flow meters 4. Two chlorine residual analyzers 5. Miscellaneous piping and fittings to accommodate different pipe sizes 6. Improvements to the Programmable Logic Controller (PLC), Human Machine Interface (HMI), Supervisory Control and Data Acquisition System (SCADA), networking and programming	\$1,800,000

# LAVWMA FY2023/24 Budget

<b>FY2023/24 Capital Program Expenditures</b>		
<b>Project</b>	<b>Description</b>	<b>Cost</b>
	<p>7. Cathodic protection at relevant sites. 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 samples of LAVWMA’s effluent need to be taken when its directed to both EBDA and San Lorenzo Creek. Grab samples of LAVWMA’s 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. Approximately \$135,000 has been spent on design through the end of the fiscal year. McGuire and Hester submitted the lowest responsive and responsible bid at \$1,394,000. There is a bid alternative that may be added at a cost of \$76,000. Total engineering costs for HydroScience are \$285,000. DSRSD staff time for assistance during construction is estimated at \$50,000. Including a modes contingency results in a total cost of \$1,800,000.</p>	

# LAVWMA FY2023/24 Budget

<b>FY2023/24 Capital Program Expenditures</b>		
<b>Project</b>	<b>Description</b>	<b>Cost</b>
Cathodic Protection Projects	This project is being carried over from FYE23. Treated wastewater is conveyed from the LAVWMA Pump Station to an outfall owned by the East Bay Discharges Authority via the LAVWMA export pipeline. The export pipelines range in size from 24 to 36 - inches in diameter and span approximately 15.6 miles. The pipelines are cathodically protected using an impressed current system, which uses a rectifier and anodes buried in the ground. The project consists of improvements to the cathodic protection system, including but not limited to, repairs to the existing impressed current system, installation of additional test stations, bonding repairs to rectify electrical discontinuities, and the installation of monitoring equipment to remotely monitor the status and health of the rectifiers.	\$155,000
SCADA/PLC Upgrade at the Pump Station	This project is being carried over from FYE23. 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.	\$300,000
Pipeline Inspection	This project is being carried over from FYE23. 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 cost approximately \$35-40,000. The report also recommends continuing to	\$300,000

# LAVWMA FY2023/24 Budget

<b>FY2023/24 Capital Program Expenditures</b>		
<b>Project</b>	<b>Description</b>	<b>Cost</b>
	inspection portions of the forcemains annually such that the entire pipeline will have been inspected within about five years. Much of this cost is for DSRSD staff. DSRSD staff has developed a plan that will be implemented this fall.	
Replace seventeen valve actuators at the pump station	This project is being carried over from FYE23. There are seventeen valves that have electric actuators at the pump station. All of the valves actuators were installed when the pump station was upgraded twenty years ago and they are at the end of their useful lives. The actuators will be replaced with the newest technology and will match the style that are commonly used at DSRSD. The actuators cost approximately \$9,000 each and will be installed by DSRSD staff. The total cost includes staff time for the installation.	\$255,000
Flow meter replacement	The three flowmeters at the junction structure were at the end of their useful lives and were replaced in FYE23. The project consists of any required modifications to improve flow measurement accuracy. The cost of the project includes studies and/or analyses, infrastructure modifications, new instrumentation and controls, and/or other miscellaneous improvements.	\$250,000
Replace Exposed Section of Livermore Pipeline – A Sole Use Fund Project	The LAVWMA Livermore Pipeline conveys treated effluent from the Livermore WWTP to the LAVWMA Pump Station. A portion of the LAVWMA Livermore Pipeline (approximately Station 226+00 to approximately Station 232+00) crosses the Arroyo Mocho creek and continues running parallel along the creek. When it was constructed in 1977, the pipeline was at least 4 - feet below the bottom of the Arroyo Mocho and the section running parallel to the creek was set back at least 15 - feet from the edge of the	\$5,000,000

# LAVWMA FY2023/24 Budget

<b>FY2023/24 Capital Program Expenditures</b>		
<b>Project</b>	<b>Description</b>	<b>Cost</b>
	<p>embankment. Since that time, the Arroyo Mocho has experienced significant erosion. The recent 2022/23 storms have further exacerbated the erosion, whereby the pipe crossing is now exposed and the section of pipe running parallel to the creek is within 3 - 5 feet of the edge of the embankment. The project will install a new pipeline using trenchless methods and move the pipeline away from the edge of the embankment. Costs include planning, permitting, design, and construction. Through the design and alignment negotiation, the costs have increased and now include:</p> <p>Design = \$676,000            Construction Management = \$195,000            Construction = \$3,751,000            Contingency = \$378,000            Total = \$5,000,000</p>	
Air/Vac Valve Assessment and Resolution at EBDA Line	<p>The project will assess entrapped air in the LAVWMA export pipeline, and provide recommendations on how to exhaust any air within the export pipeline. The project cost includes engineering review and potential improvements, such as the installation of combination air valves. Cargill/East Bay Dischargers Authority will reimburse LAVWMA for all of the project costs.</p>	\$100,000
Backup Power Improvements at the Pump Station	<p>Recent experience with PG&amp;E unreliability and consultant studies have determined that a system for quickly connecting a portable generator capable of running up to four pumps during emergencies would help ensure continuous pumping even during storms and PG&amp;E outages. A portable generator was tested during the storms of early 2023. However, it took at least two days to make all the connections. A generator tap box provides a safe and efficient means of connecting a portable or auxiliary power source in the event of an</p>	\$300,000

# LAVWMA FY2023/24 Budget

<b>FY2023/24 Capital Program Expenditures</b>		
<b>Project</b>	<b>Description</b>	<b>Cost</b>
	electrical outage. The project consists of the installation of a generator tap box and other necessary electrical equipment, including a transformer, to facilitate the connection of a mobile rental genset at the LAVWMA Pump Station. This will allow the connection to be made within a few hours.	
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>\$9,060,000</b>

## 2.3 Changes from FY2022/23 Budget

FY2022/23 expenditures are projected to come in approximately 20.7% above budget due to labor, power, and chemical costs. The annual reconciliation process will resolve any over or under payments. The FY2023/24 Budget is 10.17% more than FY2022/23 in Total Revenue Requirement. Total O&M costs are 29.21% more than was budgeted last year.

## 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. Per EBDA's Emergency Reserve Policy adopted November 18, 2021, LAVWMA is responsible for \$326,250 of the total \$1,250,000 emergency reserve. The tables below depict the projected fund balances during FYE23 and FYE24.

<b>R &amp; R Fund Balances, 6/30/22</b>	<b>Joint</b>	<b>Dual</b>	<b>Sole</b>	<b>Total</b>
<b>Start of year</b>	13,884,500	433,526	1,621,874	15,939,900
<b>Deposits</b>	400,000	0	0	400,000
<b>Interest Earnings</b>	600,000	1,431	5,352	606,783
<b>ProJected Expenditures</b>	300,000	0	0	300,000
<b>End of Year, 6/30/23</b>	14,584,500	434,957	1,627,226	16,646,683

# LAVWMA FY2023/24 Budget

<b>R &amp; R Fund Balances, 6/30/23</b>	<b>Joint</b>	<b>Dual</b>	<b>Sole</b>	<b>Total</b>
<b>Start of year</b>	14,584,500	431,863	1,627,226	16,632,149
<b>Deposits</b>	400,000	0	0	400,000
<b>Interest Earnings</b>	650,000	1,425	5,332	656,757
<b>Projected Expenditures</b>	4,060,000	0	5,000,000	9,060,000
<b>End of Year, 6/30/24</b>	11,574,500	433,288	-3,367,404	8,628,906

As discussed previously, it is recommended that the annual contribution to the R&R Fund be continued at the \$400,000 level. The Sole Use Fund will be reimbursed by a combination of City of Livermore and CalOES/FEMA. The following table for the last several years plus the estimated data for FY2022/23 and recommendations for FY2023/24 show that LAVWMA maintaining the Joint Use R&R Fund at a sustainable level since FY2010/11. The annual contribution should be reviewed annually.

<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
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
FY2020/21	400,000	65,407	(768,000)	(302,593)
FY2021/22	400,000	64,317	(2,598,204)	(2,133,887)
FY2022/23	400,000	600,000	(300,000)	700,000
FY2023/24	400,000	650,000	(4,060,000)	(3,010,000)
<b>Total</b>	<b>3,700,000</b>	<b>2,427,032</b>	<b>(9,919,628)</b>	<b>(3,792,596)</b>

### 3.2 Discussion of Capital Expenditures Proposed for FY2023/24

The following table summarizes \$9,060,000 of anticipated FY2023/24 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.

# LAVWMA FY2023/24 Budget

<b>FY2023/24 Capital Program Expenditures *Carryover</b>	
*Purchase three new pumps and rebuild two motors	\$510,000
*San Leandro Sample Station Design Improvements	\$1,800,000
*Cathodic Protection Projects	\$155,000
*SCADA/PLC Upgrade at the Pump Station	\$300,000
*Pipeline Inspection	\$300,000
*Replace 17 Valve Actuators at Pump Station	\$255,000
Flow Meter Replacement	\$190,000
Replace exposed section of Livermore Pipeline	\$5,000,000
Air/Vac Valve Assessment and Resolution at EBDA line	\$100,000
Back Up Power Improvements at Pump Station	\$300,000
Other Misc. LAVWMA Renewal/Replacements	\$50,000
Other Misc. EBDA Renewal/Replacements	\$50,000
CIP Planning/Mgmt/Contingency	\$50,000
<b>Total Expenditures</b>	<b>\$9,060,000</b>

## 4.0 FY2022/23 Member Agency Cost Sharing & Schedule

<b>Member Agency Costs FY2023/24</b>					
	<b>Total</b>	<b>Livermore</b>	<b>DSRSD/Pleasanton</b>	<b>DSRSD</b>	<b>Pleasanton</b>
Variable O&M	\$ 2,127,878	\$ 744,757	\$ 1,383,121		
Fixed O&M	2,680,118	806,716	1,873,402		
Sole Use Fixed O&M	25,000	25,000			
<b>Total O&amp;M</b>	<b>4,832,996</b>	<b>1,576,473</b>	<b>3,256,523</b>		
Replacement Fund	400,000	120,400	279,600		
Repair Debt	2,025,620	809,235	1,216,385		
Expansion Debt	4,624,480	1,041,433	3,583,047		
EBDA Debt	-	-	-		
<b>Total Capital Costs</b>	<b>7,050,100</b>	<b>1,971,068</b>	<b>5,079,032</b>		
<b>Total Revenue Required</b>	<b>\$ 11,883,096</b>	<b>\$ 3,547,541</b>	<b>\$ 8,335,555</b>		
Semi Annual O&M Advance	2,416,498	788,237	1,628,261		
Semi Annual Replacement Fund Advance	200,000	60,200	139,800		
July 1 Bond Debt Service Advance	3,325,050	925,334	2,399,716	1,293,315	1,106,401
Jan 1 Bond Debt Service Advance	3,325,050	925,334	2,399,716	1,293,315	1,106,401
<b>Total July 1 Advance</b>	<b>\$ 5,941,548</b>	<b>1,773,771</b>	<b>4,167,777</b>		
<b>Total January 1 Advance</b>	<b>\$ 5,941,548</b>	<b>\$ 1,773,770</b>	<b>\$ 4,167,777</b>		
<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%		



# LAVWMA FY2023/24 Budget

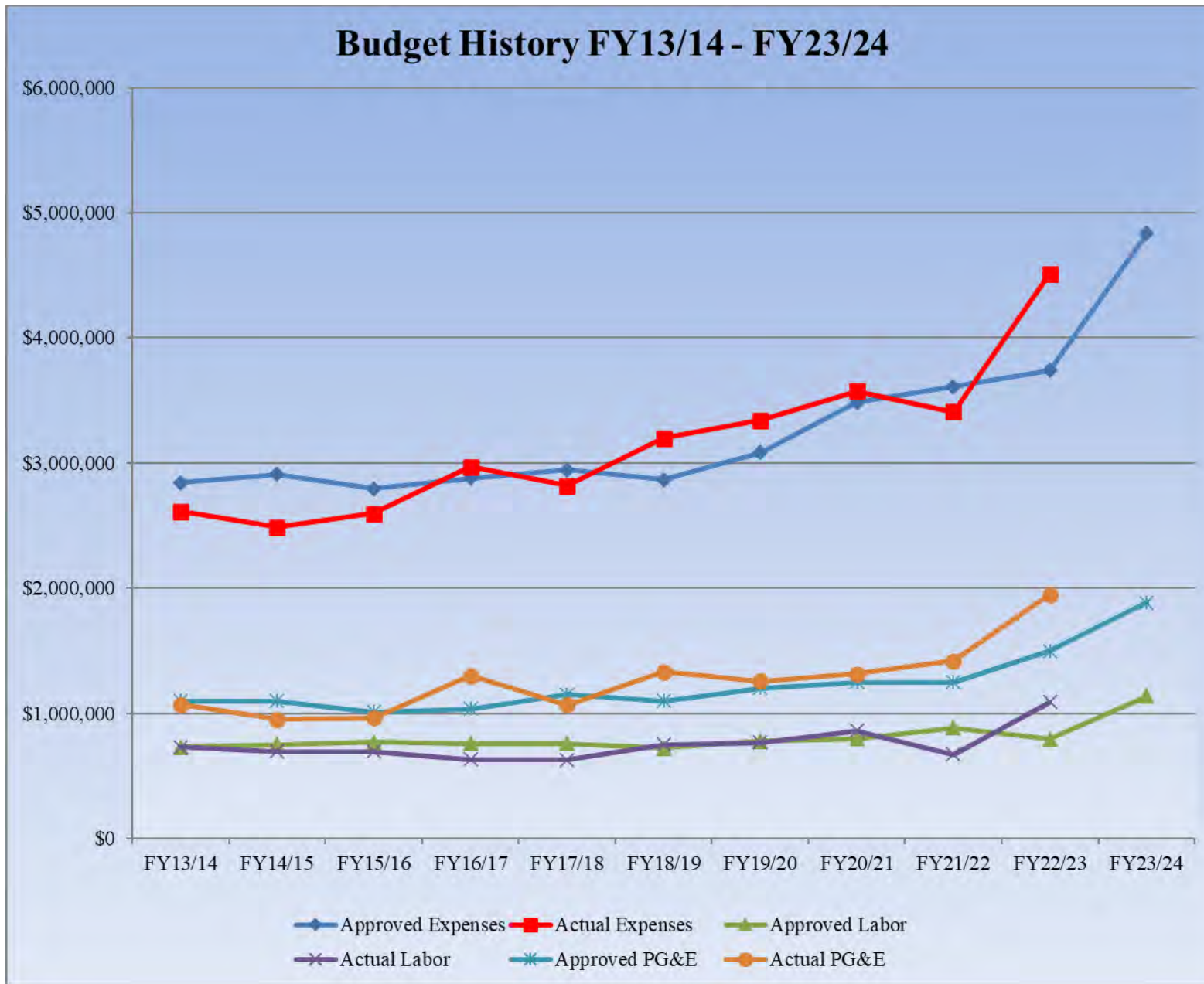
## 5.0 Budget Trends FY2013/14 – FY2023/24

The following charts show expense trends from FY2013/14 through FY2023/24. The charts show the following:

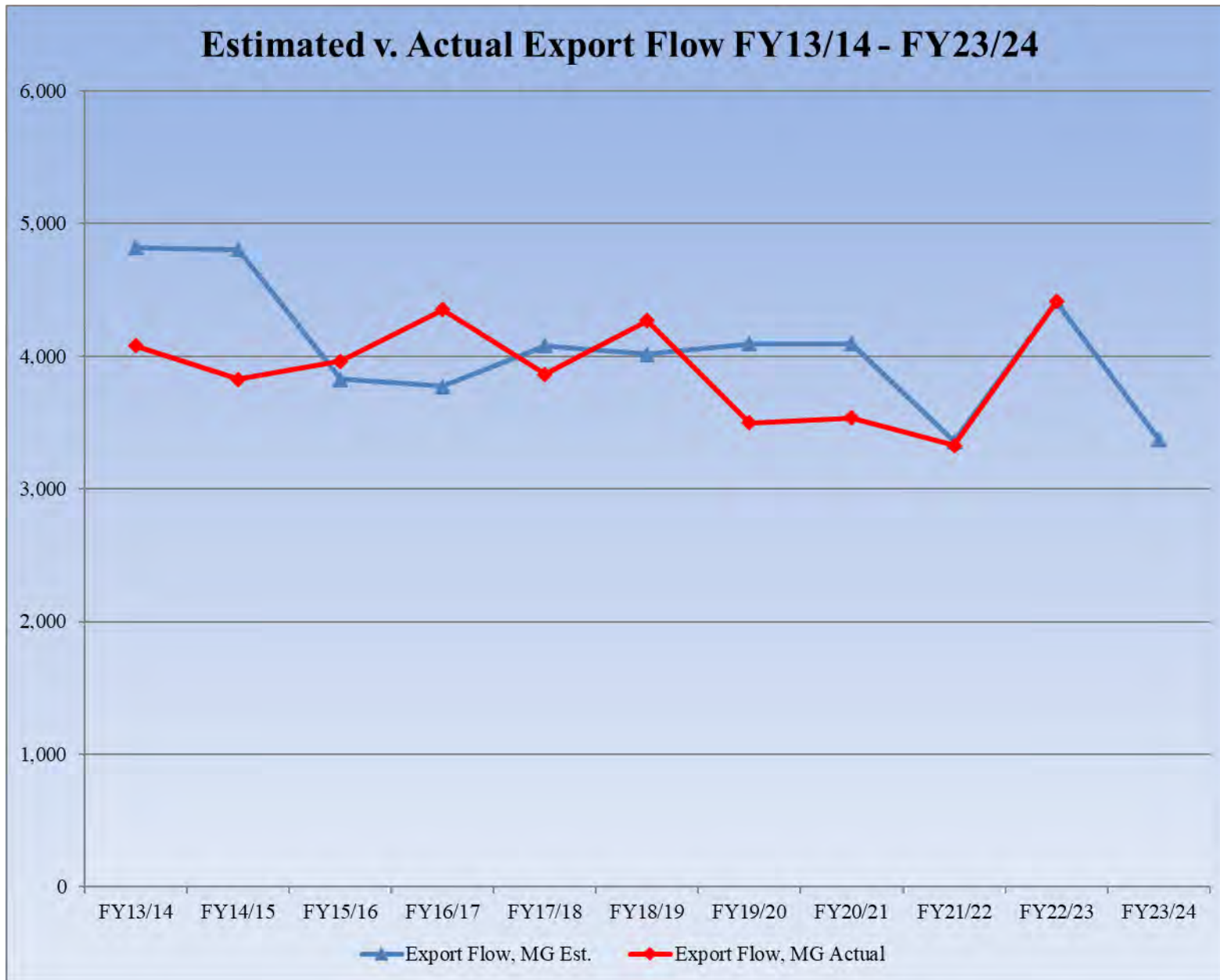
- Approved versus actual expenses for total expenses, labor costs, and PG&E power
- Estimated versus actual export flow
- Estimated versus actual cost per million gallons

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 \$442/MG as compared with \$427/MG last year, while the full disposal cost, including EBDA costs is approximately \$1,024 versus \$1,024 last year. 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 had been decreasing over time due to water recycling efforts, but this year's storms changed that significantly.

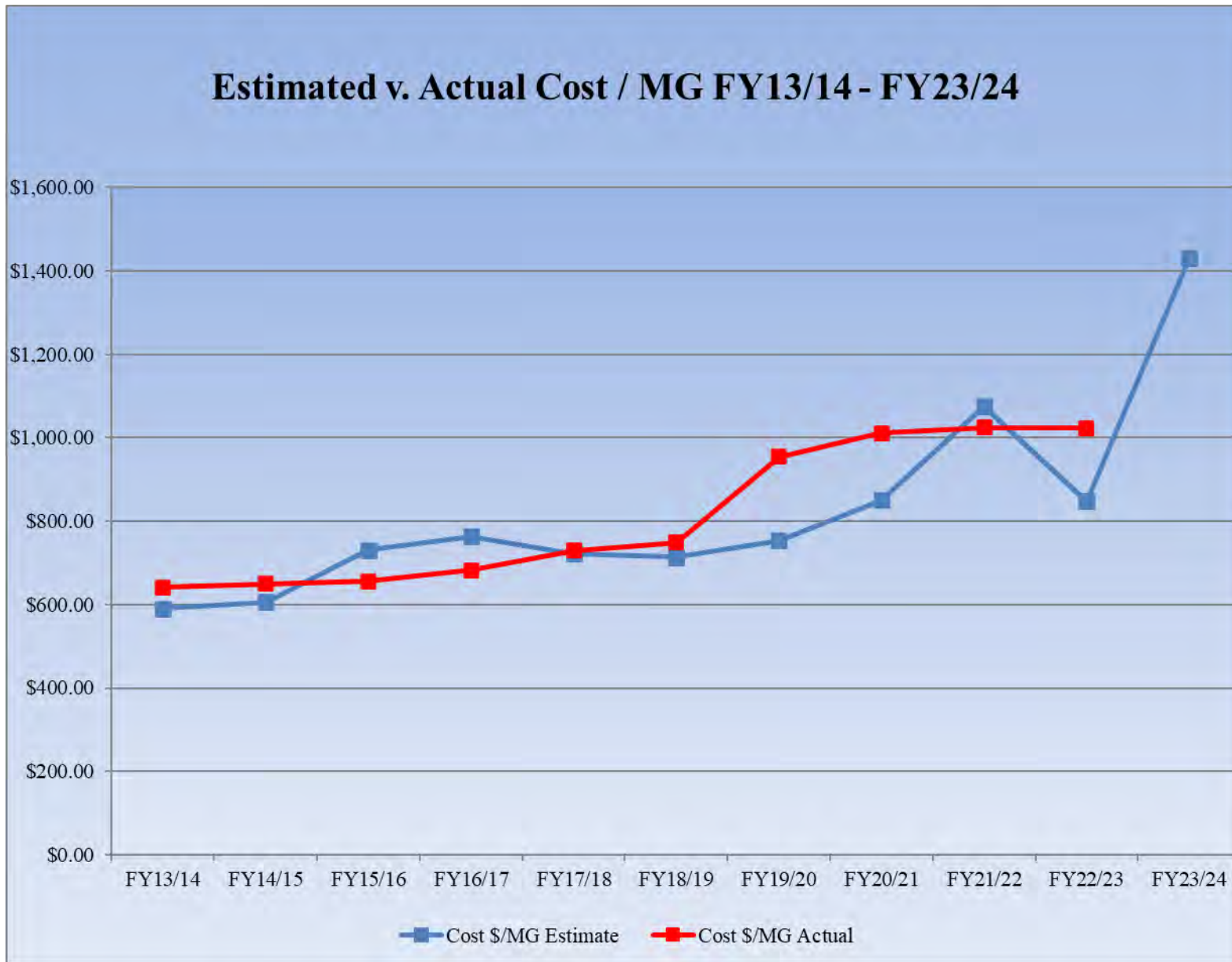
# LAVWMA FY2023/24 Budget



# LAVWMA FY2023/24 Budget



# LAVWMA FY2023/24 Budget



**ITEM NO. 11. APPROVAL OF A RESOLUTION AWARDING AN AGREEMENT FOR THE SAN LEANDRO SAMPLE STATION DESIGN IMPROVEMENTS PROJECT TO THE LOWEST RESPONSIBLE AND RESPONSIVE BIDDER**

**Action Requested**

Approve Resolution No. 23-06 Resolution Awarding an Agreement for the San Leandro Sample Station Design Improvements Project to McGuire And Hester.

**Summary**

As discussed in Agenda Item No. 9, McGuire and Hester (MH) has been determined to be the lowest responsible and responsive bidder for the San Leandro Sample Station Design Improvements Project. They were the lowest among three bids that were received ranging from \$1,394,000 to \$1,795,000.

A Notice of Potential Award (NPA) was issued to MH on August 3, 2023. Since the NPA was issued, MH has done the following: 1) signed the contract via DocuSign, 2) provided the necessary insurance documentation, 3) submitted the required bonds, and 4) signed the NPA via DocuSign. It is staff's recommendation that the Board award the Agreement to McGuire and Hester at a cost not to exceed \$1,394,000.

**Recommendation**

Approve Resolution No. 23-06 Resolution Awarding an Agreement for the San Leandro Sample Station Design Improvements Project to McGuire and Hester.

**Attachments**

Resolution No. 23-06 a Resolution Awarding an Agreement for the San Leandro Sample Station Design Improvements Project to McGuire and Hester.

**Livermore-Amador Valley Water Management Agency**

**RESOLUTION NO. 23-06**

**RESOLUTION AWARDDING AN AGREEMENT FOR THE SAN LEANDRO SAMPLE STATION DESIGN IMPROVEMENTS PROJECT TO MCGUIRE AND HESTER**

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

**WHEREAS**, it has been identified that the San Leandro Sample Station (SLSS) needs substantial design improvements; and

**WHEREAS**, plans and specifications for a bid package for a bid package for the SLSS Design Improvements Project (Project) have been prepared by a qualified engineering firm; and

**WHEREAS**, on July 5, 2023 a Notice Inviting Bids for the Project was issued; and

**WHEREAS**, a mandatory pre-bid meeting was held on July 18, 2023 and was attended by three prospective bidders; and

**WHEREAS**, pursuant to said Notice Inviting Bids, three bids were received for the Project and were filed with LAVWMA on July 31, 2023; and

**WHEREAS**, the contract documents specified that contract award is to be made based on the lowest responsive bid by a responsible bidder whose total Bid yields the lowest contract price for the Project; and

**WHEREAS**, staff has determined that it is in the best interests of LAVWMA and its Member Agencies to implement the Project; and

**WHEREAS**, staff reviewed the bids received and determined that McGuire and Hester is the lowest responsive, responsible bidder, and it is the intention and desire of this Board to accept said bid of one million three hundred ninety four thousand dollars and zero cents (\$1,394,000.00) for the Project; and.

**WHEREAS**, it has been determined that per Sections 15301 (Existing Facilities) and 15302 (Replacement or Reconstruction) of the CEQA Guidelines, the Project meets criteria for exemption.

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

1. The bid of McGuire and Hester in the amount of one million three hundred ninety four thousand dollars and zero cents (\$1,394,000.00), computed in accordance with said bidder’s proposal dated July 31, 2023 for the San Leandro Sample Station Design

Improvements Project is hereby accepted, and said bidder is hereby found and declared to be the lowest responsible, responsive bidder for said work and any irregularities in such bid are waived in accordance with applicable law.

2. That certain agreement titled "Contract" (Exhibit "A," which is attached hereto and incorporated by this reference, subject to minor modification by the General Manager or General Counsel), by and between Livermore-Amador Valley Water Management Authority, and McGuire and Hester is hereby approved, and the General Manager is hereby authorized and directed to execute, and to attest thereto, respectively, said agreement for and on behalf of Livermore Amador Valley Water Management Authority.
3. The General Manager is authorized to approve construction change orders for the San Leandro Sample Station Design Improvements Project in an amount not to exceed one hundred twenty six thousand dollars (Bid Alternate 1 for \$76,000 and \$50,000 for other).
4. Pursuant to Title 14, Division 6, Chapter 3 of the California Code of Regulations, that the California Environmental Quality Act the project meets the criteria of CEQA Guidelines Sections 15301 and 15302 for exemption and the Board hereby finds, determines, and declares, the project exempt.
5. All portions of this Resolution are severable. Should any individual component of this Resolution be adjudged to be invalid and unenforceable by a body of competent jurisdiction, then the remaining Resolution portions shall continue in full force and effect, except as to those Resolution portions that have been adjudged invalid. The Board hereby declares that it would have adopted this Resolution and each section, subsection, clause, sentence, phrase and other portion thereof, irrespective of the fact that one or more section, subsection, clause, sentence, phrase or other portion may be held invalid or unconstitutional.

This Resolution shall become effective immediately. The General Manager is hereby authorized and directed to take all actions necessary to effectuate this Resolution for and on behalf of LAVWMA.

DULY AND REGULARLY ADOPTED by LAVWMA this 16th day of August, 2023, by the following vote:

AYES:

NOES:

ABSENT:

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Bob Carling, Chair

ATTEST

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Charles V. Weir, General Manager

### Contract

This public works contract (“Contract”) is entered into by and between Livermore-Amador Valley Water Management Agency (“Agency”) and McGuire and Hester (“Contractor”), for work on the San Leandro Sample Station Design Improvements Project (“Project”).

The parties agree as follows:

1. **Award of Contract.** In response to the Notice Inviting Bids, Contractor has submitted a Bid Proposal to perform the Work to construct the Project. On \_\_\_\_\_ 20\_\_\_\_, Agency authorized award of this Contract to Contractor for the amount set forth in Section 4, below. Agency has elected to not include Alternate #1 (Replace Analog Cables to EBDA Valve and Flowmeter) in the Contract at the time of award, but it reserves the right to add Alternate #1 to the Contract post-award. Any such post-award addition will be added by Change Order and will be based on the bid price provided by Contractor for the alternate in its Bid Proposal.
  
2. **Contract Documents.** The Contract Documents incorporated into this Contract include and are comprised of all of the documents listed below. The definitions provided in Article 1 of the General Conditions apply to all of the Contract Documents, including this Contract.
  - 2.1 Notice Inviting Bids;
  - 2.2 Instructions to Bidders;
  - 2.3 Addenda, if any;
  - 2.4 Bid Proposal and attachments thereto;
  - 2.5 Contract;
  - 2.6 Payment and Performance Bonds;
  - 2.7 General Conditions;
  - 2.8 Special Conditions;
  - 2.9 Project Plans (Appendix A) and Specifications (Appendix B);
  - 2.10 Change Orders, if any;
  - 2.11 Notice of Potential Award;
  - 2.12 Notice to Proceed; and
  - 2.13 The following: None
  
3. **Contractor’s Obligations.** Contractor will perform all of the Work required for the Project, as specified in the Contract Documents. Contractor must provide, furnish, and supply all things necessary and incidental for the timely performance and completion of the Work, including all necessary labor, materials, supplies, tools, equipment, transportation, onsite facilities, and utilities, unless otherwise specified in the Contract Documents. Contractor must use its best efforts to diligently prosecute and complete the Work in a professional and expeditious manner and to meet or exceed the performance standards required by the Contract Documents.
  
4. **Payment.** As full and complete compensation for Contractor’s timely performance and completion of the Work in strict accordance with the terms and conditions of the Contract Documents, Agency will pay Contractor \$1,394,000 (“Contract Price”) for all of Contractor’s direct and indirect costs to perform the Work, including all labor, materials, supplies, equipment, taxes, insurance, bonds and all overhead costs, in accordance with the payment provisions in the General Conditions.
  
5. **Time for Completion.** Contractor will fully complete the Work for the Project, meeting all requirements for Final Completion, within three hundred twenty (320) calendar days from the commencement date given in the Notice to Proceed (“Contract Time”). By signing below, Contractor expressly waives any claim for delayed early completion.
  
6. **Liquidated Damages.** As further specified in Section 5.4 of the General Conditions, if Contractor fails to complete the Work within the Contract Time, Agency will assess liquidated damages in the amount of \$500



per day for each day of unexcused delay in achieving Final Completion, and such liquidated damages may be deducted from Agency's payments due or to become due to Contractor under this Contract.

**7. Labor Code Compliance.**

**7.1 General.** This Contract is subject to all applicable requirements of Chapter 1 of Part 7 of Division 2 of the Labor Code, including requirements pertaining to wages, working hours and workers' compensation insurance, as further specified in Article 9 of the General Conditions.

**7.2 Prevailing Wages.** This Project is subject to the prevailing wage requirements applicable to the locality in which the Work is to be performed for each craft, classification or type of worker needed to perform the Work, including employer payments for health and welfare, pension, vacation, apprenticeship and similar purposes. Copies of these prevailing rates are available online at <http://www.dir.ca.gov/DLSR>.

**7.3 DIR Registration.** Agency may not enter into the Contract with a bidder without proof that the bidder and its Subcontractors are registered with the California Department of Industrial Relations to perform public work pursuant to Labor Code § 1725.5, subject to limited legal exceptions.

**8. Workers' Compensation Certification.** Pursuant to Labor Code § 1861, by signing this Contract, Contractor certifies as follows: "I am aware of the provisions of Labor Code § 3700 which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work on this Contract."

**9. Conflicts of Interest.** Contractor, its employees, Subcontractors and agents, may not have, maintain or acquire a conflict of interest in relation to this Contract in violation of any local ordinance or requirement, or in violation of any California law, including Government Code § 1090 et seq., or the Political Reform Act, as set forth in Government Code § 81000 et seq. and its accompanying regulations. Any violation of this Section constitutes a material breach of the Contract.

**10. Independent Contractor.** Contractor is an independent contractor under this Contract and will have control of the Work and the means and methods by which it is performed. Contractor and its Subcontractors are not employees of Agency and are not entitled to participate in any health, retirement, or any other employee benefits from Agency.

**11. Notice.** Any notice, billing, or payment required by or pursuant to the Contract Documents must be made in writing, signed, dated and sent to the other party by personal delivery, U.S. Mail, a reliable overnight delivery service, or by email as a PDF file. Notice is deemed effective upon delivery, except that service by U.S. Mail is deemed effective on the second working day after deposit for delivery. Notice for each party must be given as follows:

**Agency:**

Livermore-Amador Valley Water Management Agency  
7051 Dublin Boulevard  
Dublin CA 94568  
Attn: Charles V. Weir, General Manager  
[weir@lavwma.com](mailto:weir@lavwma.com)

**Contractor:**

Name: McGuire and Hester  
Address: 2810 Harbor Bay Parkway  
City/State/Zip: Alameda, CA 94502  
Phone: 510-632-7676  
Attn: Brock N. Grunt, President

Email: [bgrunt@mcguireandhester.com](mailto:bgrunt@mcguireandhester.com)

Copies to: Bruce W. Daseking, Exec VP/CFO, [bdaseking@mcguireandhester.com](mailto:bdaseking@mcguireandhester.com)

Shawna K. Olgin, Contracts Manager, [solgin@harborlinx.com](mailto:solgin@harborlinx.com)

## 12. General Provisions.

- 12.1 Assignment and Successors.** Contractor may not assign its rights or obligations under this Contract, in part or in whole, without Agency's written consent. This Contract is binding on Contractor's and Agency's lawful heirs, successors and permitted assigns.
- 12.2 Third Party Beneficiaries.** There are no intended third party beneficiaries to this Contract.
- 12.3 Governing Law and Venue.** This Contract will be governed by California law and venue will be in the Alameda County Superior Court, and no other place. Contractor waives any right it may have pursuant to Code of Civil Procedure § 394, to file a motion to transfer any action arising from or relating to this Contract to a venue outside of Alameda County, California.
- 12.4 Amendment.** No amendment or modification of this Contract will be binding unless it is in a writing duly authorized and signed by the parties to this Contract.
- 12.5 Integration.** This Contract and the Contract Documents incorporated herein, including authorized amendments or Change Orders thereto, constitute the final, complete, and exclusive terms of the agreement between Agency and Contractor.
- 12.6 Severability.** If any provision of the Contract Documents is determined to be illegal, invalid, or unenforceable, in whole or in part, the remaining provisions of the Contract Documents will remain in full force and effect.
- 12.7 Iran Contracting Act.** If the Contract Price exceeds \$1,000,000, Contractor certifies, by signing below, that it is not identified on a list created under the Iran Contracting Act, Public Contract Code § 2200 et seq. (the "Act"), as a person engaging in investment activities in Iran, as defined in the Act, or is otherwise expressly exempt under the Act.
- 12.8 Authorization.** Each individual signing below warrants that he or she is authorized to do so by the party that he or she represents, and that this Contract is legally binding on that party. If Contractor is a corporation, signatures from two officers of the corporation are required pursuant to California Corporation Code § 313.

*[Signature page follows.]*

The parties agree to this Contract as witnessed by the signatures below:

**AGENCY:**

Approved as to form:

s/ \_\_\_\_\_  
Charles V. Weir, General Manager

s/ \_\_\_\_\_  
Alexandra M. Barnhill, General Counsel

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**CONTRACTOR:** McGuire and Hester  
Business Name

s/ \_\_\_\_\_  
Brock N. Grunt President

Date: \_\_\_\_\_

Second Signature (See Section 12.8):

s/ \_\_\_\_\_  
Bruce W. Dasekine, Exec VP/CFO

Date: \_\_\_\_\_

95879, November 30, 2023, A, B, C21, C27, C31, HAZ  
Contractor's California License Number(s) and Expiration Date(s)

END OF CONTRACT

Page 1

Agenda Explanation  
Livermore-Amador Valley  
Water Management Agency  
Board of Directors  
August 16, 2023

**ITEM NO. 12 AMENDMENT NO. 2 TO AGREEMENT FOR CONSULTANT SERVICES WITH HYDROSCIENCE FOR THE DESIGN OF THE SAN LEANDRO SAMPLE STATION IMPROVEMENTS PROJECT**

**Action Requested**

Approve the Amendment No. 2 to Agreement for Consultant Services with HydroScience for the Design of the San Leandro Sample Station Improvements Project.

**Summary**

As noted in Agenda Item No. 9, the consulting services for the San Leandro Sample Station (SLSS) Design Improvements Project have expanded since the original agreement with HydroScience was approved August 23, 2021. Items that have been added include the following:

- Security System including cameras and communication from the SLSS to the LAVWMA pump station and DSRSD
- Replacement of an additional pressure relief valve
- Coordination with City of San Leandro and the Heron Bay Homeowners Association
- Corrosion Protection Improvements at several locations.

The original contract amount was \$185,000 and was amended to \$229,000 on March 21, 2022. This second amendment will bring the total to \$284,614.

**Recommendation**

It is recommended that the Board approve the Amendment No. 2 to Agreement for Consulting Services with HydroScience for the Design of the San Leandro Sample Station Improvements Project.

**SECOND AMENDMENT TO AGREEMENT FOR  
CONSULTANT SERVICES**

This amendment (“First Amendment”) to the Agreement for Consultant Services is entered into and effective this \_\_\_ day of August 2023 by and between the Livermore-Amador Valley Water Management Agency (“LAVWMA”), and HydroScience Engineers, Inc., a professional corporation (“Consultant”), with references to the following facts and intentions:

**RECITALS**

- A. On August 23, 2021, LAVWMA and Consultant entered into an Agreement for Consultant Services wherein Consultant agreed to provide engineering design services for LAVWMA’s San Leandro Sample Station Improvements Project; and
- B. The Agreement provides for a not to exceed Cost Ceiling of \$185,000 without prior written authorization by LAVWMA’s General Manager; and
- C. A First Amendment to the Agreement was approved on March 21, 2022, which increased the Cost Ceiling to \$229,800; and
- D. The parties wish to further modify the Cost Ceiling in the manner authorized by the Agreement.

**OPERATIVE PROVISIONS**

NOW, THEREFORE, for good and sufficient mutual consideration set forth herein, the Parties do hereby enter into this First Amendment which modifies and amends the Agreement as follows:

**1. Amendment.**

**1.1** Section 2.1 of the Agreement, entitled “Compensation” is hereby amended in its entirety to read as follows:

- 2.1 Compensation.** LAVWMA will compensate Consultant for all Services fully performed in compliance with this Agreement to LAVWMA's satisfaction, as further specified in Exhibit B, Compensation, Exhibit B-1, Rate Schedule, and July 24, 2023, Consultant letter: Amendment Request #2 – Engineering Services for San Leandro Sample Station Improvements Project (Revision #1); all of which are attached hereto and incorporated herein. Compensation for the Services will not exceed \$284,614 ("**Cost Ceiling**"), without prior written authorization by LAVWMA's General Manager. Consultant will promptly notify LAVWMA in writing when the total amount it has invoiced meets or exceeds 90 percent of the Cost Ceiling.

**1.2 Exhibit A** San Leandro Sample Station Improvements Scope of Services is hereby amended to include the additional scope described in Consultant’s July 20, 2023 letter, which is attached hereto and incorporated by this reference as if set forth in full.

**2. General Provisions**

**2.1 Remainder Unchanged.** Except as specifically modified and amended in this First Amendment, the Agreement remains in full force and effect and binding upon the parties.

**2.2 Integration.** This First Amendment consists of pages 1 through 2 inclusive, and the modifications to Exhibit A, which constitute the entire understanding and agreement of the parties.

**2.3 Effective Date.** Upon full execution, this First Amendment shall be effective on the date first written above.

**2.4 Applicable Law.** The laws of the State of California shall govern the interpretation and enforcement of this First Amendment.

**2.5 References.** All references to the Agreement include all their respective terms and conditions. All defined terms utilized in this First Amendment have the same meaning as provided in the Agreement, unless expressly stated to the contrary in this First Amendment.

**IN WITNESS WHEREOF**, the Parties have executed this First Amendment to the Agreement as follows.

**LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY**

By: \_\_\_\_\_  
Charles V. Weir, General Manager

Date \_\_\_\_\_

Approved As To Form

By: \_\_\_\_\_  
Alexandra M. Barnhill, General Counsel

Date \_\_\_\_\_

**HYDROSICENCE ENGINEERS, INC.**

By: \_\_\_\_\_  
Bill Slenter, P.E., Project Manager

Date \_\_\_\_\_

**EXHIBIT B****Compensation**

LAVWMA will compensate Consultant for Services satisfactorily performed in compliance with the Agreement based on Consultant's approved hourly rates, as set forth in **Exhibit B-1, Rate Schedule** and authorized reimbursements, as specified below, up to the Cost Ceiling (as defined in Section 2.1 of the Agreement). Consultant is responsible for prudent management of its time and resources to provide the Services on a cost-effective basis. Compensation will be solely based on the following costs, all of which count toward the Cost Ceiling:

1. *Direct Labor.* Consultant's compensation will be based on the total number of hours each employee of Consultant spent performing the Services times the approved hourly rate for each such employee as set forth in Exhibit B-1, Rate Schedule, including any work performed on overtime or on holidays or weekends, unless otherwise required by Laws.
2. *Subconsultant Costs.* Services provided by authorized subconsultants will be compensated based on Consultant's direct cost plus a markup of not more than 10%. A copy of each subconsultant's invoice for Services must be submitted with Consultant's invoice for those Services.
3. *Other Direct Costs.* Consultant will be reimbursed, as set forth below, for certain reasonable, direct costs which are necessarily incurred to perform the Services, but without any additional mark-up and subject to appropriate documentation for costs actually incurred, which must be submitted with the invoice seeking such reimbursement. Consultant will not be entitled to compensation for costs that have not yet been incurred, or for costs that are not reasonable under the circumstances.
  - a. Subject to LAVWMA's prior written authorization, Consultant will be reimbursed for reasonable living and traveling expenses.
  - b. Consultant will be reimbursed for personal vehicle use, at the current IRS approved mileage rate.
  - c. Consultant will be reimbursed for reproduction of Work Product as required under this Agreement, based on reasonable local rates for bulk reproduction or at other reasonable rates approved by LAVWMA.
  - d. Consultant will be reimbursed for special overnight delivery or messenger services.

**EXHIBIT B-1**  
**Rate Schedule**

Pursuant to Section 1 of Exhibit B, Compensation, Consultant will be compensated based on the following hourly rates, which may not be modified, except by a written amendment as specified in Section 7.2, Amendment, of the Agreement.

**HYDROSCIENCE ENGINEERS, INC.**  
**Standard Schedule of Estimated Billing Rates**  
Effective January 1, 2023 through December 31, 2023

<b>Labor Classification</b>	<b>2023 Hourly Rate</b>
Principal	\$288
Engineer IX	\$277
Engineer VIII	\$267
Engineer VII	\$252
Engineer VI	\$241
Engineer V	\$230
Engineer IV	\$220
Engineer III	\$204
Engineer II	\$194
Engineer I	\$178
Engineering Aide	\$105
Construction Professional VI	\$190
Construction Professional V	\$180
Construction Professional IV	\$170
Construction Professional III	\$160
Construction Professional II	\$145
Construction Professional I	\$135
Cross Connection Control Specialist	\$130
CAD Manager	\$150
CAD Designer	\$130
Marketing Professional	\$115
Administrative II	\$105
Administrative	\$90

Hourly billing rates include postage and telephone charges that are normal to the work authorized. Other direct costs for travel, reproduction, mail service, outside services, etc. will be invoiced at 110 percent of the actual cost. Rates for expert witness services shall be billed at the quoted rates plus \$50/hour.



July 24, 2023

**HydroScience Engineers, Inc.**  
10569 Old Placerville Road  
Sacramento, CA 95827  
T: 916.364.1490  
F: 916.364.1491

Chuck Weir  
General Manager  
Livermore-Amador Valley Water Management Agency  
7051 Dublin Boulevard  
Dublin, CA 94568

**Subject: Amendment Request #2 - Engineering Services for San Leandro Sample Station Improvements Project (Revision #1)**

Dear Chuck:

HydroScience is providing engineering design services for the subject project. The purpose of this letter is to request a project budget amendment to address additional work tasks required to complete the final design, an adjustment for future billing rates, and additional hours for construction phase services to cover the expanded facility upgrade scope.

The following describes each of the additional scope items:

**Security Cameras:** DSRSD staff recently requested the addition of a security camera system at the Sample Station. HydroScience shall:

- Prepare a specification and indicate the cameras on the Electrical, Instrumentation, and Control (EIC) drawings as appropriate.
- The design and supply of this system will be a turn-key arrangement by Convergent, no equal. Convergent has an existing maintenance contract with DSRSD. Their scope would include procurement, installation, licensing, and software configuration of the Lenel security system.

**Existing PRV Refurbishment or Replacement:** The base scope included replacing one existing Pressure Relief Valve (PRV) with a motorized ball valve. DSRSD has requested that the other mechanical PRV to remain be either refurbished or replaced with a new valve. HydroScience is evaluating both options and will implement the selected option in the plans and specifications. Upgrading with a new PRV involves a change of valve dimensions which will be addressed with a design modification. HydroScience shall:

- Coordinate with APCO on valve refurbishment or replacement options
- Present options to LAVWMA for input and selection
- Prepare plan notes and a specification for refurbishment or replacement of the valve
- Update the Work Sequence spec to incorporate valve refurbishment
- Update the cost estimate

**City of San Leandro and Heron Landing Coordination and Related Drawing Revisions:** The base scope included outreach to City of San Leandro for a construction encroachment permit. We assumed that the temporary construction provisions to redirect pedestrians around the work area at Neptune Drive / Bay Trail would be similar to the approach used on Project 2000-03, and reflected that in the 75% submittal. The City of San Leandro and the Heron Bay HOA disapproved

July 24, 2023

Amendment Request #1 - Engineering Services for San Leandro Sample Station Improvements Project

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of that approach. A new approach needed to be coordinated with both entities and LAVWMA. Accordingly, HydroScience shall provide the following additional services:

- Update civil details, general notes, and G005 Work Area to reflect City of San Leandro and HOA requirements which include construction of a temporary ADA-compliant path around the work area within the Bay Trail entrance.
- Email coordination with City and HOA.
- Facilitate a conference call with City and HOA to discuss options and agree upon this approach.

**Incorporate Corrosion Protection (CP) Improvements:** At LAVWMA's request, HydroScience updated the plans and specifications to include four new drawing sheets adding CP test stations at various locations along the LAVWMA pipeline, added details to our existing sheets, and a new technical specification. The CP design work was done under separate agreement with LAVWMA and is not part of this proposed amendment. The work included in this amendment is as follows:

- Coordinate with JDH Corrosion Consultants (JDH).
- Incorporate JDH sheets into HydroScience plan set.
- Incorporate JDH details into HydroScience detail sheets.
- Add JDH specification.
- Update bid schedule and bid item description.
- Related modifications to plans and specifications.
- Update the cost estimate.

### **Engineering Services During Construction, and Construction Management and Inspection**

This amendment request includes addition of budget to these phases to cover the following:

- Additional submittal and RFI allowance for PRV refurbish/replacement, security cameras, and work/materials related to Sheet G005 modifications to satisfy the HOA.
- Additional construction management and inspection allowance to cover the above items.

### **Billing Rate Change**

HydroScience's standard schedule of billing rates has changed since the agreement was approved. Due to the extended project duration beyond the timeline originally envisioned, we request that our 2023 Standard Schedule of Billing Rates can be utilized going forward. These rates are reflected in this amendment request and the updated schedule is attached. An adjustment to the previously-proposed fee for upcoming Bid Support, ESDC, and Construction Management Services to account for this rate schedule is requested and is itemized in the attached.

The proposed budgetary amendment to address this additional scope plus the increase to billing rates is **\$54,814**. This amendment would increase our total contract amount to \$284,614. **Attachment A** provides a detailed breakdown of the proposed fee and hours to address the above tasks.

We appreciate your consideration of this request. Please contact me at [bslenter@hydroscience.com](mailto:bslenter@hydroscience.com) or (916) 273-6035 with any questions.

July 24, 2023

Amendment Request #1 - Engineering Services for San Leandro Sample Station Improvements Project

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Sincerely yours,

**HYDROSCIENCE ENGINEERS**



Bill Senter, PE  
Project Manager

Attachment A: Amendment Fee Detail  
Attachment B: 2023 Schedule of Billing Rates

ATTACHMENT A

Amendment Request #2

LAVWMA Engineering Services for San Leandro Sample Station Improvements Project

July 24, 2023

Task	Description	Curtis Lam	Bill Slenter	Eric Jones	Kyle Fooks	Bya Founas	Thin Le	Drafting	HSE	HSE Fee	Travel and Repro	VE Solutions Structural	BSK Materials Testing	Direct Charges Markup	Expense Subtotal with Markup	Total Fee
		Princ PIC & QA/QC	Princ Project Manager	E-VI Project Engineer	E-II Design Support & CM/CI	E-III Design Support	E-VI Lead Electrical	CAD Mgr	Hours							
		\$288	\$288	\$241	\$194	\$204	\$241	\$150								
<b>Amendment #2 Scope Items</b>																
	Security Cameras Design		2			2	16	2	22	\$5,140				\$0	\$0	\$5,140
	Existing PRV Refurbishment or Replacement		4	6		16		4	30	\$6,462				\$0	\$0	\$6,462
	City of SL and Heron Landing HOA Coord & Revisions		6			24		2	32	\$6,924				\$0	\$0	\$6,924
	Incorporate CP Improvements		2	18		6		6	32	\$7,038				\$0	\$0	\$7,038
	Additional Bid Support & ESDC for above items		2	6		18	7		33	\$7,381				\$0	\$0	\$7,381
	Additional CM/Inspection/Startup Spt for above items			3	54				57	\$11,340				\$0	\$0	\$11,340
	Additional Project Management	2	12						14	\$4,032				\$0	\$0	\$4,032
<b>SUBTOTAL</b>		<b>2</b>	<b>31</b>	<b>30</b>	<b>54</b>	<b>66</b>	<b>23</b>	<b>14</b>	<b>220</b>	<b>\$48,317</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$48,317</b>

**Billing Rate Adjustment for Upcoming Base Scope plus Addendum 1 Tasks**

Bid Support and ESDC Budget - Original Agreement plus Addendum #1	\$58,710
Constr Management & Inspection Budget - Original Agreement plus Addendum #1	\$49,565
<i>Subtotal</i>	<i>\$108,275</i>
<b>Adjustment for Billing Rate Increase - 3% per Year x 2 years</b>	<b>\$6,497</b>

**Total Amendment Request**

Amendment #2 Scope Items	\$48,317
Rate Increase Adjustment for Future Tasks	\$6,497
<b>Total Amendment #3 Request</b>	<b>\$54,814</b>

**Change to Contract Total**

Original Contract Amount	\$185,000
Amendment #1	\$44,800
This Amendment #2	\$54,814
<b>Revised Contract Amount</b>	<b>\$284,614</b>

**HYDROSCIENCE ENGINEERS, INC.**  
**Standard Schedule of Estimated Billing Rates**  
 Effective January 1, 2023 through December 31, 2023

<b>Labor Classification</b>	<b>2023 Hourly Rate</b>
Principal	\$288
Engineer IX	\$277
Engineer VIII	\$267
Engineer VII	\$252
Engineer VI	\$241
Engineer V	\$230
Engineer IV	\$220
Engineer III	\$204
Engineer II	\$194
Engineer I	\$178
Engineering Aide	\$105
Construction Professional VI	\$190
Construction Professional V	\$180
Construction Professional IV	\$170
Construction Professional III	\$160
Construction Professional II	\$145
Construction Professional I	\$135
Cross Connection Control Specialist	\$130
CAD Manager	\$150
CAD Designer	\$130
Marketing Professional	\$115
Administrative II	\$105
Administrative	\$90

Hourly billing rates include postage and telephone charges that are normal to the work authorized. Other direct costs for travel, reproduction, mail service, outside services, etc. will be invoiced at 110 percent of the actual cost. Rates for expert witness services shall be billed at the quoted rates plus \$50/hour.

Page 1

Agenda Explanation  
 Livermore-Amador Valley  
 Water Management Agency  
 Board of Directors  
 August 16, 2023

## **ITEM NO. 13 UPDATE AND RESPONSE TO VARIOUS LEGAL AND LEGISLATIVE ISSUES**

### **Action Requested**

None at this time.

### **Summary**

Attached for the Board's information is **Attachment No. 13.a**, California Association of Sanitation Agencies (CASA) CASA Connects dated July 27, 2023. It includes information on State Legislative and regulatory activities being tracked by CASA. **Attachment No. 13.b** is the Bay Area Clean Water Agencies (BACWA) Bulletin for July 2023. This report describes significant permitting and regulatory issues at both a state and federal level that are of interest to Bay Area wastewater treatment agencies. **Attachment No. 13.c**, is the 2023 Mid-Year Legislative Report from the California Special Districts Association (CSDA). This report describes the status of all bills that are of interest to special districts. Not all of them will be related to water and wastewater as they may relate to governance and related issues.

As has been described on television and in newspapers, the Bay has experienced another algal bloom, or red tide. This year's episode does not yet appear as severe as last years and no fish kills have been reported. The key issue for treatment plants is that they are the major source of nutrients to the Bay, primarily nitrogen and phosphorus. The Regional Board is under pressure to require treatment plants to reduce nitrogen loads (since nitrogen is the controlling factor) to the Bay. The regional watershed permit for nutrients is currently at the renewal stage. The permit focusses on discharges during the dry season, May – October. The LAVWMA agencies have so far met their requirements by water recycling, which effectively keeps nutrients out of the Bay. At this time it is unknown if additional treatment or reduction will be required by the member agencies over the next ten or twenty years. At the November Board meeting, Jackie Zipkin, EBDA General Manager, will provide an update on the watershed permit and related issues.

### **Recommendation**

There is no recommendation at this time.

### **Attachments**

- 13.a CASA Connects, July 27, 2023
- 13.b BACWA Bulletin for July 2023
- 13.c CSDA 2023 Mid-Year Legislative Report

[chuckweir@sbcglobal.net](mailto:chuckweir@sbcglobal.net)

**From:** CASA <[cmackelvie@casaweb.org](mailto:cmackelvie@casaweb.org)>  
**Sent:** Thursday, July 27, 2023 4:15 AM  
**To:** [chuckweir@sbcglobal.net](mailto:chuckweir@sbcglobal.net)  
**Subject:** Your Water and Wastewater Updates for July 27



July 27, 2023

# CASA CONNECTS

Your source for  
wastewater legislative,  
regulatory and  
industry news

**CASA News**

**CASA Conference Keynote: PPIC President Tani Cantil-Sakauye**

Wrap-up summer with your colleagues in San Diego at CASA's Annual Conference, August 9-11, with a chance to hear from Tani Cantil-Sakauye, president and CEO of the Public Policy Institute of California and former Chief Justice of California. Registration is still open!

[Register](#) for the conference.

[Read More](#)

**Learn More About the 2023-24 CASA Mentorship Program**

CASA is delighted to share that we will be continuing the CASA Mentoring Program in 2023-24 after another successful year. Join us as a mentor or mentee to inspire others, share knowledge and drive change! Want to learn more?



Register today for one of our virtual information sessions on [Monday, July 31](#), from 12:00pm - 12:30pm or [Wednesday, August 16](#), from 11:30am - 12:00pm.

Ready to apply? Follow this link to the [mentor](#) or [mentee](#) application.

**\*Registration Closes on August 31\***

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

For questions, contact CASA's Manager of Communications, Alyssa Downs at [adowns@casawaeb.org](mailto:adowns@casawaeb.org).

[Read More](#)

### **CASA Launches HR + Workforce Development Focused Group**

CASA is excited to announce the launch of our first workgroup and LISTSERV dedicated to human resources and workforce development related issues! It has become clear in recent years that topics related to retention, recruitment, and leadership are top of mind for local clean water agencies. This new group will provide members with an opportunity to discuss these issues with your fellow California agencies. If you are interested in joining this workgroup, please email Cheryl MacKelvie ([cmackelvie@casaweb.org](mailto:cmackelvie@casaweb.org)) directly. Some of the areas we hope to focus on include:



[Read More](#)

### **CASA Article on PFAS Featured in Western City Magazine**

CASA recently contributed an article on PFAS to the League of California Cities' magazine, [Western City](#). CASA's Adam Link authored the article titled "[Efforts to limit 'forever chemicals' are underway. What does this mean for cities?](#)", discussing how "Forever chemicals" have prompted major lawsuits and state and federal legislative action and what this means for cities. Check out the publication [here](#) and reach out to [Adam Link](#) with any questions or comments.



## **State Legislative Update**

### **AB 759 (Grayson) Signed by the Governor**

We are pleased to report that CASA's sponsored bill, [AB 759 \(Grayson\)](#) relating to sanitary district accounting procedures was signed by Governor Newsom on June 29. This bill will become effective January 1, 2024, and updates the Sanitary District Act of 1939 to modernize the statutory accounting practices that require Sanitary Districts to submit their check register for approval by the District Board President at each Board meeting. AB 759 provides an alternative that gives discretion to the Board of a Sanitary District to adopt a policy that allows for the disbursement of funds. We greatly appreciate all the support and help from





our members on this issue. If you have any questions or would like more information, please contact [Jessica Gauger](#) or [Spencer Saks](#).

**Sign up for CASA’s State Legislative Newsletter**

CASA has created a new comprehensive e-newsletter to share state legislative updates with the CASA membership. If you are interested in receiving these updates, please contact [Spencer Saks](#). The latest edition is available [here](#).



**Regulatory Update**

**Water Board Releases Draft Direct Potable Reuse Regulations**

The California State Water Resources Control Board (Water Board) released an advanced copy of the highly anticipated [Direct Potable Reuse \(DPR\) regulations](#). The 45-day comment period and Administrative Procedures Act formally began on July 21.

The Water Board is planning to conduct a workshop on the regulations on Thursday, September 7, with final approval planned for the second week in December.



[Read More](#)

**Member News**

**“Bingo”: USD Workers Recover Flushed Wedding Ring**

It’s a triple-crown win for Union Sanitary District (USD) Collection Services workers: They recently recovered a treasured ring thought to be lost in a sewer line – the District’s third ring rescued in recent years.



[Read More](#)

**Welcome New CASA Members**

[City of Ventura](#)

[Town of Windsor](#)

[City of Yuba City](#)



[CAMBI](#)



**State Officials Provide \$80 Million in funding to Pure Water Southern California**

State officials presented an \$80 million check this month to the Metropolitan Water District of Southern California and the Los Angeles County Sanitation Districts to help advance Pure Water Southern California, a large-scale, regional water recycling program that will create a new source of water to benefit 19 million people amid a changing climate.



Read More

**Upcoming Events**

**WBE Research Coordination Network (RCN) Annual Meeting**

The National Science Foundation RCN for Wastewater Surveillance for SARS-CoV-2 and Emerging Public Health Threats, together with the Water Environment Federation, is hosting their [annual meeting](#) on August 2, 2023 from 9am – 11am. As COVID-19 loses urgency, research groups and public health agencies around the world are deciding how to include wastewater surveillance into other disease surveillance programs. This annual meeting will reflect on where we have come over the last three years, and will discuss the future of the field.



The event is free to register and open to all!  
Registration: <https://www.accelevents.com/e/wbe-rcn-2023-annual-meeting>

**CAPIO 2023 Leadership Summit**

CAPIO has announced that registration is now open for the inaugural Leadership Summit taking place in Lake Forest, CA on September 25 & 26! Join CAPIO for an insightful and engaging two days geared toward public sector communicators looking to further their leadership skills. [Register Today!](#)



Read More

**Innovative Technology Seminars are Back!**

Save the date! The 2023 Innovative Technology Seminars co-hosted by CASA and CWEA are happening on November 29<sup>th</sup> at the San Francisco Regional Water Board offices in Oakland and on November 30<sup>th</sup> at the Hyperion Water Resource Recovery Facility in Los Angeles. We are very excited to bring these popular seminars back this year with a tremendous lineup of speakers. Please reach out to [Greg Kester](#) with any questions or comments and be on the lookout for registration material in late August.



## Careers and Opportunities

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



CASA represents more than 130 local public agencies engaged in the collection, treatment and recycling of Wastewater and biosolids to protect public health and the environment. Our mission is to provide trusted information and advocacy on behalf of California clean water agencies, and to be a leader in sustainability and utilization of renewable resources.

[Visit Our Website](#)

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

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Sent by [cmackelvie@casaweb.org](mailto:cmackelvie@casaweb.org)

**chuckweir@sbcglobal.net**

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**From:** Bay Area Clean Water Agencies <noreply@bacwa.org>  
**Sent:** Tuesday, July 11, 2023 9:00 AM  
**To:** Charles  
**Subject:** BACWA Bulletin - July 2023



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## BACWA Bulletin - July 2023

## Meetings

- Recycled Water Committee - Tues 7/18, EBMUD + Virtual
- Lab Committee TNI Training - Tues 7/18, Virtual
- Executive Board - Fri 7/21, SFPUC + Virtual
- BAPPG - Wed 8/2, Virtual
- Permits Committee - Tues 8/8, Virtual
- Lab Committee - Tues 8/8, Virtual
- [Visit the Calendar for details](#)

## Upcoming Events

- [CWEA Collections Systems Summer Workshop](#) - 7/13 - 7/14, San Luis Obispo
- [CWEA Collections Systems Summer Meeting](#) - 7/14 - 7/15, Morro Bay
- [CASA Annual Conference](#) - 8/9 - 8/11, San Diego
- [Recycled Water - Interagency Workshop on Collaboration](#) - 9/20, Oakland

[View previous BACWA Bulletins](#)

## **Nutrient Watershed Permit Special Studies Now Complete**

The [2019 Nutrient Watershed Permit](#) required completion of a Regional Evaluation of Potential Nutrient Discharge Reduction by Natural Systems (Provision VI.C.2) and a Regional Evaluation of Potential Nutrient Discharge Reduction by Water Recycling (Provision VI.C.3). BACWA completed these tasks on behalf of its member agencies, and the final reports were submitted to the Regional Water Board in late June 2023. The final reports are available on the BACWA website, as listed below.

**Potential Nutrient Discharge  
Reduction by Natural Systems**



- [Phase 1 Opportunities and Constraints Analysis](#), prepared by [SFEI](#)
- [Phase 2 Site Evaluations](#), prepared by [SFEI](#)



**Potential Nutrient Discharge  
Reduction by Water Recycling**

- [Final Report](#), prepared by [HDR](#) and [Woodard & Curran](#)

Each discharger also provided letters signed by their respective legally responsible official indicating their approval of these reports for the purpose of Watershed Permit compliance. Copies of the letters are available upon request. BACWA appreciates the support of its member agencies in preparing and finalizing these reports, as well as the expert assistance provided by SFEI, HDR, and Woodard & Curran.

**Save the Date - Workshop on Interagency Collaboration for Recycled Water set for September 20th**

Save the Date! On Wednesday, September 20th, BACWA will be hosting an all-day workshop between Bay Area water and wastewater agencies focusing on interagency collaboration on water reuse. This in-person workshop and networking event will be held at the Regional Water Board's office in downtown Oakland. For more information, contact [Lorien Fono](#).

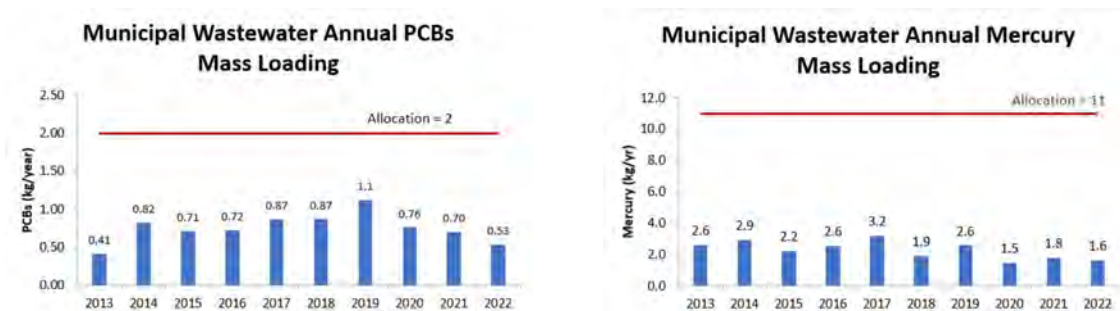
**Submit your Suggestions for the 2024 State of the Estuary Conference!**

The [State of the Estuary Conference](#) will return in Spring 2024! The conference steering committee is gathering topic suggestions and ideas from the broader San

Francisco Estuary Community. Please provide your ideas by filling out this [brief survey](#). Questions? Contact [Will Geiken](#).

## Mercury and PCB Load Update for 2022

The [July 2023 Executive Officer's Report](#) summarizes mercury and PCBs loading for calendar year 2022 from municipal and industrial wastewater treatment plants. These load estimates are needed to demonstrate compliance with the [Mercury and PCBs TMDLs](#), as implemented through the [Mercury and PCBs Watershed Permit](#). In 2022, loads from municipal wastewater treatment plants were slightly down compared to 2021, and continue to be well below the respective TMDL wasteload allocations.



### PG&E Biogas Procurement Solicitation Open through July 31st; Submit Notice of Intent by July 14th

Per [CPUC Decision 22-02-025](#), which set biomethane targets for utilities, Pacific Gas & Electric (PG&E) is seeking offers for biomethane produced using SB 1383-compliant Diverted Organic Waste for feedstock. The [Biomethane from Diverted Organic Waste RFO Packet](#) includes the Solicitation Protocol, Term Sheet, and Offer Sheet. PG&E is requesting a Notice of Intent e-mail sent to [RNGprocurement@pge.com](mailto:RNGprocurement@pge.com) by **July 14** from all participants that plan to submit an offer. Full offers are due **July 31**. Please submit any questions regarding this solicitation to [RNGprocurement@pge.com](mailto:RNGprocurement@pge.com).

### EPA Revisions to Renewable Fuels Standards Increase the Value of Co-Digested Organic Waste

On June 21, 2023, EPA announced [revisions of the Renewable Fuels Standards](#) that update procedures for the apportionment of Renewable Identification Numbers (RINs). The change will increase the value of biogas produced in anaerobic

digesters when co-digesting with food waste or other organic waste. Questions?

Contact [Greg Kester](#).

## Regional Water Board Preparing Basin Plan Amendment for NPDES Permitting

The Regional Water Quality Control Board is planning an amendment to the [Basin Plan](#) to address NPDES permitting needs. The [proposed Basin Plan Amendment](#) would:

1. Correct errors in freshwater objective equations for metals;
2. Allow development of alternative cyanide dilution credits and mercury concentration triggers to address the needs of water recycling projects; and
3. Expand the technical approach for developing dilution credits for non-priority pollutants.

The 45-day public comment period is expected to begin in August 2023. To receive updates by email, sign up through the [California Water Boards](#). Questions? Contact BACWA's Regulatory Program Manager [Mary Cousins](#).

### In the Media

- "[Can We Prevent Another Algaepocalypse in the Bay?](#)" in [Bay Nature](#) includes an interview with BACWA's Executive Director, Lorien Fono
- "[Efforts to limit 'forever chemicals' are underway. What does this mean for cities?](#)" in [Western City](#) magazine was authored by CASA's Executive Director, Adam Link

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## BACWA Meeting Locations

In March 2023, the Executive Board and Nutrient Strategy Team returned to meeting in-person, as required by State law regarding public



meetings. Committees are meeting in-person based on the direction of each committee's leaders and membership. Where possible, a hybrid videoconferencing option will be offered. Questions and concerns can be directed toward Executive Director [Lorien Fono](#).

## Member News

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

### [FSSD Recruiting for Outreach Intern](#)

Fairfield-Suisun Sewer District is recruiting for an intern to assist with nature-based engineering and public outreach. [Learn more here](#). Applications are due Friday, July 21st.

### ["Bingo!" USD Workers Recover Flushed Wedding Ring](#)

It's a triple-crown win for [Union Sanitary District](#) (USD) Collection Services workers: They recently recovered a treasured ring thought to be lost in a sewer line – the District's third ring rescued in recent years.

Union City customer Bonhellita Ancona left the District a distraught voicemail noting she'd lost the wedding ring she'd worn for 74 years down her toilet several days previously. "If it's found, please, please let me know," she said in her message.

When Collection System Workers Johnny Powell and Chris Ybarra inspected the sewer main in her neighborhood the next day, their remote-controlled maintenance camera revealed the ring caught on a bit of debris. The cleaned-up ring was then reunited with its grateful owner.

Bonhellita's son Leonard Ancona addressed USD's Board of Directors at a recent meeting to thank staff members on behalf of his mother. He described working in Bonhellita's yard as Powell and Ybarra tried to retrieve the ring, then hearing one of them call out "Bingo!" "An incredible find or a miracle was truly witnessed," said Ancona. Hearing of two other rings rescued by Collection Services workers in previous years, Ancona smiled and concluded, "the trifecta is complete."

"The steep terrain of the street and slope of USD's main lines at that location make the ring a very lucky discovery considering it was lost many days earlier," said Collection Services Manager Jose Rodrigues. "We're glad to return something that means so much to the owner and family."



*USD Employees Ybarra and Powell. Source: Union Sanitary District.*

## **What's new in BACWA's Committees**

### [AIR Committee](#)

The next AIR committee meeting is scheduled for August 30th. AIR Committee representatives continue to meet with BAAQMD staff on a quarterly basis through the Regulation 2 implementation workgroup. The most recent June 12th meeting included a discussion of permitting, source testing, strategic planning, and development of new regulations (see [agenda](#)).

### [BAPPG](#)

The August 2nd meeting will include two presentations on [Quaternary Ammonium Compounds](#) (QACs) from SFEI and from the City of San Luis Obispo.

### [Collections Systems Committee](#)

The next committee meeting is scheduled for Tuesday, August 17th and will include a presentation on odor control and cleaning optimization from [SmartCover](#) and [OCSan](#).

### [Laboratory Committee](#)

The next [TNI training session](#) will be held July 18th at 10 AM, and the schedule for training sessions throughout FY24 is available [here](#). The next committee meeting will be held August 8th.

### [Permits Committee](#)

The next committee meeting on August 8th will include updates on the proposed blanket permit amendment for residual chlorine, the proposed basin plan amendment for NPDES permitting, and a brief presentation from [Pacific EcoRisk](#) on chronic toxicity screening studies.

### [Recycled Water Committee](#)

The July 18th committee meeting will include an update from the City of Petaluma on recycled water expansion plans. The committee also supported finalization of

the recycled water study required by the 2nd Nutrient Watershed Permit (see announcements above).

## Upcoming Events

### **July 13 - 15: CWEA Collection Systems Summer Events, San Luis Obispo / Morro Bay**

On July 13-14, the CWEA Collection Systems workgroup will host their summer workshop at the San Luis Obispo WRRF. This day-and-a-half workshop features both frontline and management training topics. [Register here](#). The summer workshop will be immediately followed by the workgroup's annual summer meeting on July 14-15 in nearby Morro Bay. [Register here](#).

### **August 9 - 11: CASA Annual Conference**

CASA will be hosting its 2023 Annual Conference on August 9th -11th at the Manchester Grand Hyatt in San Diego! The theme of this year's conference is "The New Water Era." The program will feature speakers and panels that focus on how wastewater agencies are adapting to new challenges, including ways to attract and retain workers in the coming years, big changes in how biosolids are managed, and strategies for addressing the more extreme cycles of heavy rain followed by extended drought. [Register here](#).

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Attachment No. 13.c

## Significant Legislative Highlights

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## Bill Report



# 2023 Mid-Year Legislative Report

**Disclaimer:** This publication is provided for general information and is not offered or intended as legal advice. Readers should seek the advice of an attorney when confronted with legal issues and attorneys should perform an independent evaluation of the issues raised in these materials.



# 2023 Mid-Year Legislative Report

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**California Special  
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## 2023 MID-YEAR LEGISLATIVE REPORT

### SIGNIFICANT LEGISLATIVE HIGHLIGHTS: *The Voice of Special Districts*

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In the first year of the 2023-2024 Legislative Session, the California State Legislature introduced and CSDA reviewed 2,661 bills. CSDA's Legislative Committee adopted positions on 1,166 bills, including 91 priority positions, such as support, support if amended, oppose, oppose unless amended, concerns, and neutral positions following amendments.

Important bills on which CSDA has been engaged include:

#### ***AB 557 (Hart) Open meetings: local agencies: teleconferences:***

- CSDA has sponsored this bill in order to preserve important emergency remote meeting procedures that have been effectively utilized throughout the state.
  - CSDA is working with partner sponsors at the California State Association of Counties, the League of California Cities, and the California School Boards Association to eliminate the sunset date currently applied to emergency remote meeting procedures established by prior legislation. That prior legislation was also sponsored by CSDA.
  - This bill will also adjust the renewal period associated with the emergency remote meeting procedures. Under current law, local agencies are required to meet every 30 days (or sooner) when meeting remotely during emergencies under certain conditions. This bill would change that 30-day period to 45 days.

#### ***SCR 52 (Alvarado-Gil) Special Districts Week:***

- CSDA has sponsored this resolution to continue to spotlight the value of the essential local services provided by special district members.
  - The resolution proclaimed the week of May 14, 2023, to May 20, 2023, to be Special Districts Week.
  - This resolution builds on resolutions from previous years, in which the Legislature had similarly encouraged all Californians to be involved in their communities and be civically engaged with their local government.

#### ***Local Revenue Legislation:***

- CSDA has worked to protect special district revenues, opposing costly mandates and averting policy changes that would have further disrupted district finances.
  - **AB 516 (Ramos)** - CSDA led efforts to resolve issues created by revisions to audit requirements related to development project fees. CSDA took a Concerns position on the bill upon recognizing the potential for confusion surrounding capacity and connection charges. Amendments taken in the Senate Appropriations Committee restore clarity and ensure these fees continue to operate under pre-existing audit requirements.
  - **AB 1713 (Gipson)** - CSDA joined local agency stakeholders in opposing legislation that would have created overbroad reporting requirements. Previously, this bill would have required additional reporting related to state and federal fund allocations. Local agencies that were approaching a year remaining before the expiration of half the allocated funds would be required to draft reports with specified information, including a summary of how funds had been expended

Last Updated: July 14, 2023

\* October 14, 2023 is the Governor's deadline to sign or veto bills

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until that point and a plan for the remaining funds to be expended. Recent amendments taken in the Senate Governance and Finance Committee have significantly narrowed the application and scope of this bill, ensuring district financial resources are dedicated to service delivery rather than additional bureaucracy.

- **AB 1490 (Lee)** - This bill could have potentially jeopardized special district revenues by prohibiting the collection of certain fees on specified types of housing development projects. The bill would have required “local governments” to waive “building and permit fees” on these classes of projects. Without a clear definition of “building fee” in law, the bill potentially threatened to endanger any fee-related revenue that may have been necessary for covering the costs of the development project. Amendments dropping these provisions that were taken prior to the bill being heard in the Assembly Local Government Committee allowed CSDA to change to a Neutral position.
- **AB 281 (Grayson)** - This bill could have inappropriately lumped special districts in with cities and counties; by treating special districts as permitting agencies for housing developments, districts were going to be subject to procedural and substantive requirements incongruous with the actual nature of special districts’ involvement in housing projects. These requirements had the potential to invite needless litigation, draining district resources to defend necessary revenue streams. CSDA took a Concerns position and worked with the author’s office and the bill’s sponsors to identify potential avenues of redress. Amendments taken as a result of these discussions allowed CSDA to move to a Neutral position.
- CSDA has also worked to provide for new financing mechanisms for special districts, supporting an effort to provide special districts and other local agencies with the ability to fund public infrastructure.
  - **Assembly Constitutional Amendment 1 (Aguar-Curry)** - This proposed constitutional amendment would, upon passage by two-thirds of the California Legislature (and subsequent approval by California voters), allow special districts and other local agencies to propose to issue general obligation bonds in order to finance public infrastructure and affordable housing projects, provided the bond measure question receives the support of at least 55% of voters. In doing so, this amendment would provide districts with a more realistic financing tool that could be used to finance district projects. CSDA has joined various other local government stakeholders in supporting this measure.

**AB 764 (Bryan) Local redistricting:**

- This bill proposes to enact the FAIR MAPS Act of 2023, a successor to the FAIR MAPS Act of 2018. The FAIR MAPS Act of 2023 establishes required protocols and processes for special district redistricting, much like how the 2018 Act did for local agencies. Notably, the provisions that apply to special districts are distinct from those that apply to other types of agencies; the difference in treatment acknowledges the disparity in resources held by special districts compared to other local governments.
  - CSDA joined other local government associations in working to amend language related to the creation of a new private right of action that would have led to increased litigation. Plaintiffs taking legal action against special districts could potentially recover court costs and attorneys’ fees. Recent amendments following

Last Updated: July 14, 2023

\* October 14, 2023 is the Governor’s deadline to sign or veto bills

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the bill's passage in the Senate Governance and Finance Committee have significantly revised these and related provisions.

**AB 1637 (Irwin) Local government: internet websites and email addresses:**

- This bill would have required all local governments, including special districts, to transition to using websites and email addresses with .gov or .ca.gov domain names. Websites not using .gov or .ca.gov domain names would be permitted to redirect to a new compliant website.
  - CSDA worked with a local government coalition with an Oppose Unless Amended position on the bill. CSDA's members provided robust data supporting significant costs to comply with the unfunded mandate, which were included in the Assembly Appropriations Committee analysis. Amendments taken in the Assembly Appropriations Committee narrowed the bill to apply only to cities and counties, removing special districts from the bill's application and allowing CSDA to withdraw its opposition.

**Surplus Land Act (SLA) legislation:**

- CSDA has been heavily engaged in legislative efforts to reform the Surplus Land Act, leading coalitions on bills that are both potentially beneficial and potentially detrimental to special districts, including:
  - **SB 747 (Caballero)** - CSDA is leading a local government coalition with a Support if Amended position on this bill which will add clarity to the SLA, including by making the entry of leases more than 15 years subject to the SLA. CSDA is seeking amendments to increase the lease term, among other changes.
  - **AB 480 (Ting)** - CSDA is leading a local government coalition with an Oppose Unless Amended position on this bill, which initially sought to make several detrimental changes to the SLA that would have increased confusion and inefficiencies, and undermined protections applicable to special districts. As a result of CSDA's advocacy efforts, this bill was significantly amended, removing the most concerning elements.
  - **AB 457 (Patterson, Joe)** - This is a district bill seeking an SLA exemption for a specific need. As a result of CSDA's advocacy efforts, concerning language referring to leases was amended out of the bill, allowing CSDA to move from an Oppose Unless Amended position to Neutral.
  - **SB 34 (Umberg)** - CSDA is leading a local government coalition with an Oppose Unless Amended position on this SLA procedures bill, seeking to remove concerning language referring to leases.
  - **SB 229 (Umberg)** - CSDA is leading a local government coalition with an Oppose Unless Amended position on this SLA procedures bill, seeking to remove concerning language referring to leases, make a clarifying change, and add procedural flexibility.
  - **SB 634 (Becker)** - This bill would have required special districts and other local agencies to respond to inquiries in connection with potential placement of temporary housing on their properties. CSDA took an Oppose Unless Amended position because the bill would have created a significant burden on special districts and was inconsistent with the SLA. The bill was held in the Senate Appropriations Committee and is now a 2-Year bill.

Last Updated: July 14, 2023

\* October 14, 2023 is the Governor's deadline to sign or veto bills

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***Labor and Employment Legislation:***

- CSDA and its coalition partners have been engaged on a variety of labor and employment bills this year. The bills on which CSDA has been most engaged, include:
  - **AB 1484 (Zbur)** - This bill will extend union rights and procedures to certain temporary workers. Because this bill may have a significant impact on special districts with large temporary workforces, CSDA has an Oppose position, and is working with a local government coalition to oppose and amend the bill.
  - **AB 504 (Reyes)** - This bill will provide protections for employees to engage in sympathy striking and remove sympathy striking from bargaining. CSDA has an Oppose position, and is working with a local government coalition to oppose and amend the bill.
  - **SB 399 (Wahab)** - This bill will prohibit employers from taking action against employees who decline to participate in employer-sponsored meetings or receive communications, the purpose of which is to share the employer's opinion about political or religious matters. CSDA is co-leading a local government coalition with an Oppose position on the bill because of its unique impacts on local government workplaces where routine activities may be regarded as political matters.

***SB 252 (Gonzalez): Public retirement systems: fossil fuels: divestment:***

- This bill will require CalPERS and CalSTRS to divest from fossil fuel companies. CSDA led a coalition with an Oppose position on the bill because investment decisions should be left to the CalPERS Board of Administration, and because of the detrimental impacts of divestment on employer contribution rates. The bill was held in the Assembly Public Employment and Retirement Committee and is now a 2-Year bill.

***Alternative Contracting Legislation:***

- CSDA has been very active this year in advocating for an expansion of alternative contracting and project delivery methods, such as Design-Build (DB) and Progressive Design-Build (PDB), to help special districts expedite capital projects, cut red tape and save ratepayer dollars. This legislation includes:
  - **SB 706 (Caballero)** - this bill expands existing authority for local water agencies to use the PDB method of project delivery for specified water projects to include any city, county or special district and any type of project, as specified, until January 1, 2030.
  - **AB 400 (Rubio, Blanca)** - This bill will extend the sunset date for local governments to use the DB method for public works projects. DB is when both design and construction of a project are procured from a single entity. This bill will enable local governments to continue to utilize the DB procurement process for qualifying projects through January 1, 2031.

***Governor Newsom's Infrastructure Streamlining Budget Package:***

- Governor Newsom's infrastructure package, which was recently signed into law, will accelerate critical projects and help California achieve its climate and clean energy goals. The package was originally introduced as 10 budget trailer bill proposals in an effort to help reform the infrastructure processes in California. Of the 10 proposals, 5 advanced as part of the budget negotiations. CSDA took an overall Support position on

Last Updated: July 14, 2023

\* October 14, 2023 is the Governor's deadline to sign or veto bills

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**California Special  
Districts Association**

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the Governor's infrastructure package with a special focus on 3 streamlining proposals pertaining to CEQA, judicial streamlining, and administrative records, as they aligned with CSDA's long term strategic goals to help special districts cut red tape and deliver on critical infrastructure needs. Those 3 proposals were part of the package that was signed into law. You can read about each of the enacted proposals here:

- [SB 145 \(Newman\) - Environmental Mitigation.](#)
- [SB 146 \(Gonzalez\) - Public resources: infrastructure: contracting.](#)
- [SB 147 \(Ashby\) - Fully protected species: California Endangered Species Act: authorized take.](#)
- [SB 149 \(Caballero\) - California Environmental Quality Act: administrative and judicial procedures: record of proceedings: judicial streamlining.](#)
- [SB 150 \(Durazo\) - Construction: workforce development: public contracts.](#)

**California Air Resources Board Advance Clean Fleet Regulation:**

- In April 2023, the [California Air Resources Board \(CARB\) approved](#) its Advanced Clean Fleet (ACF) regulation, which will require local government medium and heavy-duty fleets to transition to Zero Emission Vehicles (ZEVs). The regulation calls for a transition to 50% ZEVs by 2024 and 100% by 2027 or the "milestone" pathway which requires compliance by 2035. CSDA advocated directly with CARB members and staff, provided written comments, and testified in opposition to the regulation during the public hearing, citing timeline, cost, infrastructure and emergency response concerns. CSDA is now supporting legislation which may help special districts preparing for this monumental transition, including:
  - **AB 1594 (Garcia)** - This bill will require any state regulation that seeks to require the procurement of medium- and heavy-duty ZEVs, such as CARB's ACF regulation, to ensure those vehicles can support a public agency utility's duties, as specified, and to authorize the utility to make certain determinations and vehicle replacements, as specified.
  - **AB 585 (Rivas, Robert)** - This bill requests the California Council on Science and Technology (CCST) to perform a biennial literature review to assess the infrastructure projects necessary to achieve the quantities of renewable energy, and the distribution and transmission networks necessary, to achieve the state's energy, climate change, and air quality goals. It also requires the Office of Planning and Research to provide an annual progress report to the Joint Legislative Committee on Climate Change Policies regarding the status of permitting for infrastructure projects identified in the CCST report.
  - **SB 493 (Min)** - This bill requires CARB to develop a strategic plan for meeting deadlines for the transition of medium- and heavy-duty fleets to zero-emission and makes updates to two related statewide ZEV infrastructure assessments.

CSDA's advocacy team remains hard at work advancing the interests of special districts in the Legislature. Interim Recess, beginning upon adjournment on September 14, marks the deadline for each house to pass bills this year. Stay tuned to CSDA eNews and Advocacy News for future updates.



**California Special  
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**2023 MID-YEAR LEGISLATIVE REPORT: *The Voice of Special Districts***

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**A report of bills tracked by CSDA with priority positions can be [viewed at this link.](#)**

The report provides links to each of the tracked measures, together with CSDA Summaries, copies of letters submitted to the Legislature by CSDA, and other pertinent information concerning bill status. The report lists CSDA's position on each bill.

The reports lists the lobbyist assigned to each bill. For additional information on a particular bill, please contact the assigned lobbyist: Senior Legislative Representative Aaron Avery at [aarona@csda.net](mailto:aarona@csda.net); Legislative Representative Marcus Detwiler at [marcusd@csda.net](mailto:marcusd@csda.net); and, Legislative Representative Heidi Hannaman at [heidih@csda.net](mailto:heidih@csda.net). General questions can be directed to Aaron Avery.

**ITEM NO. 14 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, 2023 the General Manager billed LAVWMA 530.5 hours. For the fiscal year ending June 30, 2024 the General Manager has billed LAVWMA approximately 100 hours, which is also normal due to the number of capital projects.

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

**1. Asset Management.**

Asset Management continues to proceed. DSRSD is focusing on training staff to make better work requests and make use of mobile technology so that we end up with corrective maintenance data that is useful and able to be analyzed. There is a new eOM system for tracking SOPs, maintenance of equipment and useful lives, among other items.

**2. FYE24 Capital Project Planning**

Please refer to the Action Item List, **Attachment No. 14.a** for a status report on all capital projects for FYE24. 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.

**3. Succession Planning**

Work on this task is on target. The Staff Advisory Group (SAG) have reviewed a job description. The succession plan includes the following elements: 1) interfacing with staff at the member agencies to identify key persons to assist a new General Manger 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. A flyer announcing the position availability, **Attachment No. 14.b** was distributed at the CASA conference in San Diego, August 8-10, 2023. There were a few people that asked about the position. Also note the letterhead includes a note of LAVWMA's 50th Anniversary in 2024. It is also EBDA's 50<sup>th</sup> Anniversary, so joint efforts may be warranted. A more elaborate GM Flyer, with details on the application process will be

distributed at the CASA conference in Palm Springs, January 24-26, 2024. In addition, announcements will be made at various websites, including CASA, CSDA, and CWEA.

#### **4. PG&E Costs and Max Demand Data**

There is information in the Quarterly Report of Operations citing DSRSD staff efforts to minimize demand charges. They continue to do a great job. **Attachment No. 14.c** is a summary of all PG&E costs for FYE23. It is presented in tabular and chart form. The average kWh cost for the fiscal year is \$0.215/kWh. The total kWh usage for the fiscal year was 9,426,618 as compared with 7,333,592 last year. The six year average is 7,946,431 kWh. For comparison the highest previous year was FYE19 with a total of 8,710,960 kWh. FYE19 was worse in terms of total water pumped, but it was more consistent and not a series of atmospheric rivers like this year.

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Following is a brief description of major activities since the February 15, 2023 Board meeting:

- Attended LAVWMA O&M meetings with DSRSD, Livermore and Pleasanton staff.
- Updated Capital Project Planning and Action Item List.
- Drafted May 17, 2023 minutes and sent out for review. Updated based on comments received.
- Prepared items for the August 16, 2023 Board meeting and prepared the packet for distribution. Made updates to website as needed for files and legal requirements.
- Managed various capital projects, including reviewing all documents, for the pump purchase, PG&E Reliability, and SLSS improvements project.
- Finalized the SLSS bid packet, reviewed bids, sent documents to McGuire and Hester, and reviewed their submitted documents as part of the contract requirements.
- Continued working with DSRSD staff for pipeline inspection project to begin late summer 2023.
- Logged into DSRSD system to review and approve invoices and review and respond to emails.
- Worked with DSRSD staff and Carollo Engineers on the Livermore Pipeline repair project. Reviewed and edited draft versions of the Carollo report. Attended weekly project meetings with DSRSD and Carollo staff. Attended meeting with Steelwave. Met several times with General Counsel to discuss easement issues and language.
- Prepared Modification No. 1 to the FY2023/24 Operating and Capital Budget for the August 16, 2023 Board meeting.
- Reviewed, made minor edits, and commented on DSRSD's 4th quarter O&M report.
- Continued reviewing PG&E bills to ensure they are using the proper rate schedule. Maintained all data in a spreadsheet for proper tracking and budget preparation.



Agenda Explanation  
Livermore-Amador Valley  
Water Management Agency  
Board of Directors  
August 16, 2023

- Kept SAG members informed on various issues and projects. Hosted SAG meeting on August 7, 2023.
- Continued to work with General Counsel to track legislation of interest to LAVWMA and the member agencies.
- Continued working with DSRSD staff to manage electrical use at the pump station. .
- Monitored progress of other pump station and O&M projects managed by DSRSD staff.
- Reviewed and approved invoices for SLSS design, Livermore pipeline repair, and other projects for payment by DSRSD.
- Continued to Discuss Asset Management issues with DSRSD staff. LAVWMA continues to 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.
- Continued working with Administrative Assistant II Sheree Davis to discuss responsibilities and procedures.
- Attended EBDA Managers Advisory Committee (MAC) meetings. Made notes of same and shared with SAG members.
- Continued reviewing EBDA issues of concern including Cargill brine project and strategic planning. Reviewed modifications to EBDA's strategic plan.
- Prepared and submitted monthly invoices for LAVWMA General Management services.
- Reviewed and approved DSRSD monthly invoices for O&M services.
- Continued working with EBDA and LAVWMA agency staff to address enterococcus and other permit issues.
- Used DocuSign system for Board Resolutions, Agreements, minutes, and other documents.
- Reviewed EBDA, DSRSD, and DERWA agenda packets.
- Reviewed and directed handling of scanned mail sent by DSRSD staff.
- Responded to various emails and phone calls from outside agencies and organizations.

### **Next Meeting**

The next Regular Board meeting is scheduled for November 15, 2023 at the DSRSD Board Room.

### **Recommendation**

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

### **Attachments**

- 14.a Action Item List
- 14.b GM Flyer
- 14.c PG&E Cost Summary

## LAVWMA Action Item List

Month: Jul-23

SAG Task	Responsible Party	Due Date	Status	Completion Date
Items for August 2023 LAVWMA Board Meeting.	SAG	NA	Normal financial and project status reports, 4th Quarter O&M Report, Modification No. 1 FYE24 O&M and Capital Project Budget (for capital projects only), Award of Bid for SLSS Project, Amendment to Hydro Science Agreement, report on Livermore Pipeline Repair Project, update on legal and legislative issues, and the GM report.	
Operations Coordination Committee Task	Responsible Party	Due Date	Status	Completion Date
<b>FYE23 Replacement Projects: See Items Below</b>	Weir/Delight	Various dates	Refer to information below.	
San Leandro Sample Station Design Improvements. Estimated cost \$1,200,000 plus engineering costs of \$250,000 for a total of \$1,450,000	Weir	7/31/2024	Prebid meeting held July 18. Three contractors attended: Integra Construction, Pleasanton; CWS Construction, Novato; and McGuire and Hester, Oakland. Questions are due July 24. Bids are due July 31. Bid opening will be a Zoom meeting. Plan is to have Board award bid to lowest responsive, responsible bidder at Board meeting on August 16 and issue Notice to Proceed on August 23. Anticipate 320 day construction period due to long lead time for the valves.	
Cathodic Protection Projects	Weir/Atendido	7/31/2023	JDH Corrosion has done a full survey and the report should be available by the end of July. They recommended some modifications at the SLSS area including the EBDA connection. Scope of the SLSS project was modified to include those items.	
PLC Upgrade at the Pump Station. Estimated cost \$300,000	Ching	6/30/2021	Will be included in DSRSD SCADA project, which is design build. Project has begun. Scoping meetings with staff have been held and the project is progressing.	
Pipeline Inspection. Estimated cost \$100,000	Halliday	12/31/2024	National Pipe is under contract. Traffic plans are in development. The siphons will be inspected this time. AN RFP will be issued for the inspection work.	
Replace three flow meters at the junction structure. Estimated cost is \$250,000.	Portugal	6/30/2023	All three meters have been installed. Will monitor performance to determine if snorkels are necessary to improve accuracy. So far the meters are matching the total flow at the SLSS.	6/30/2023
Replace 17 valve actuators at the pump station. Estimated cost is \$255,555.	Quinlan	12/31/2023	There are seventeen valves that have electric actuators at the pump station. All of the valves actuators were installed when the pump station was upgraded twenty years ago and they are at the end of their useful lives. The actuators will be replaced with the newest technology and will match the style that are commonly used at DSRSD. The actuators cost approximately \$9,000 each and will be installed by DSRSD staff. The total cost includes staff time for the installation. There is a requisition for Chuck's approval in MUNIS.	
Livermore Pipeline Repair Project	Ching/Castro	10/31/2023	Project is underway. Easements and permitting are in development. Design is tracking with alignment options. Current cost estimate is approximately \$5,000,000. Application for reimbursement through CalOES/FEMA.	
Other Items				
Wet Weather Issues	Sevilla	10/31/2020	Many storms in January through March tested all facilities, with no serious issues.	
Live test of SLSS system	Sevilla/Atendido	3/31/2023	Was successfully tested in March 2023.	
Live test of Alamo Canal discharge during wet weather	Carson/Sevilla	TBD	Was successfully tested in March 2023.	
Wet Well Isolation Gates	Quinlan	6/30/2023	Gate is in good shape but won't fully close. No date set, perhaps this winter. May be coordinated with replacement of the valve actuators.	
EBDA Enterococcus Issue	Sevilla		No issues at this time.	
YTD O&M Expenses compared to budget	Atendido, Weir	Ongoing	No issues at this time. PG&E costs in January through April 2023 were high due to the numerous storms. FYE23 costs were way over budget. DSRSD Ops staff continues to keep costs as low as possible by operating during off peak hours and minimizing demand charges. Refer to FYE23 and FYE24 spreadsheets and charts.	



Livermore-Amador Valley Water Management Agency  
Celebrating 50 years 1974 - 2024

# LAVWMA General Manager Recruiting Early Spring 2024

The Livermore-Amador Valley Water Management Agency (LAVWMA) is pleased to announce that the position of General Manager will become available in Spring 2024. The Incumbent, Chuck Weir, has served as the LAVWMA GM since 2014 and will be retiring effective April 14, 2024. LAVWMA is looking to have a new GM under contract by April 1, 2024.

## **The Livermore-Amador Valley Water Management Agency**

LAVWMA is a joint powers agency created in 1974 by the cities of Livermore and Pleasanton and the Dublin San Ramon Services District (DSRSD) for the purpose of discharging their treated wastewater to San Francisco Bay. Operations began in September 1979 and the system was expanded to its current maximum discharge capacity of 41.2 mgd. The wastewater is conveyed via a 16-mile pipeline from Pleasanton to San Leandro and enters the East Bay Dischargers Authority (EBDA) system for dechlorination and discharge through a deepwater outfall.

LAVWMA's mission is to support its member agencies 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. (*Website: [www.lavwma.com](http://www.lavwma.com)*)

## **The Position and Ideal Candidate**

The LAVWMA GM is an independent contractor position that works under the general policy direction of the Board of Directors. The Board meets quarterly and includes six members (two appointees from each member agency). The GM plans, organizes, coordinates, and directs the operations and programs of LAVWMA. This includes preparing agendas for the Board and Staff Advisory Group, budget development and monitoring, NPDES permitting, interfacing with the member agencies and EBDA, and managing the capital improvement project program. The GM works closely with a part-time administrative assistant employed by DSRSD and Alexandra Barnhill of Jarvis Fay who acts as General Counsel. LAVWMA has no direct-hire employees.

This is a parttime position that can easily be managed from a home office with occasional onsite obligations. Time commitment is on the order of 50-60 hours per month. It is an ideal position for a newly retired General Manager, Engineering Manager, or Operations Manager. LAVWMA does not contract with CalPERS or any other pension system.

A formal announcement for this position will be issued in early 2024. To express interest, get more information, or ask questions, contact Chuck Weir at [weir@lavwma.com](mailto:weir@lavwma.com) or 510-410-5923.

PG&E Energy Cost Summary for FYE23

Detailed Monthly Charges

Meter A Rate Schedule B20S - Business High Use

Month	Customer Charge			Demand Charge Max Peak								Total Monthly Cost	Demand Charge Max Part Peak						
	Number	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost		Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit
6/13 - 7/13/2022	31	Days	\$58.30343	\$ 1,807.41								\$0.00							
7/14 - 8/14/22	32	Days	\$58.30343	\$ 1,865.71															
8/15 - 9/13/22	30	Days	\$58.30343	\$ 1,749.10															
9/14 - 10/12/22	29	Days	\$58.30343	\$ 1,690.80															
10/13 - 11/13/22	32	Days	\$58.30343	\$ 1,865.71								\$0.00							
11/14 - 12/12/22	29	Days	\$58.30343	\$ 1,690.80					369	kW	\$2.24000	\$342.02	\$342.02						
12/13 - 1/11/23	30	Days	\$57.70034	\$ 1,731.02	1487	kW	\$2.24000	\$2,109.56	1492	kW	\$2.57000	\$1,405.96	\$3,515.52						
1/12 - 2/12/23	32	Days	\$56.65864	\$ 1,813.08	1482	kW	\$2.57000	\$3,808.74					\$3,808.74						
2/13 - 3/14/23	30	Days	\$59.79616	\$ 1,793.88	744	kW	\$2.57000	\$1,019.78	1106	kW	\$2.57000	\$1,326.46	\$2,346.24						
3/15 - 4/13/23	30	Days	\$63.38189	\$ 1,901.46	752	kW	\$2.57000	\$1,932.64					\$1,932.64						
4/14 - 5/14/23	31	Days	\$63.38189	\$ 1,964.84															
5/15 - 6/12/23	29	Days	\$61.59415	\$ 1,786.21								\$0.00	\$0.00						
<b>TOTALS</b>	<b>365</b>			<b>\$21,660.01</b>	<b>4465</b>				<b>2967</b>				<b>\$11,945.16</b>	<b>106</b>					<b>0</b>

Meter B Rate Schedule B20S - Business High Use 1/12-2/12/23 Rate was B19S Business Med-High Use

Month	Customer Charge			Demand Charge Max Peak								Total Monthly Cost	Demand Charge Max Part Peak						
	Number	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost		Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit
6/13 - 7/13/2022	31	Days	\$58.30343	\$ 1,807.41	25	kW	\$30.06000	\$751.50				\$0.00	\$751.50	20	kW	\$ 6.13000	\$122.60		kW
7/14 - 8/14/22	32	Days	\$58.30343	\$ 1,865.71	22	kW	\$30.06000	\$661.32				\$0.00	\$661.32	22	kW	\$ 6.13000	\$134.86		kW
8/15 - 9/13/22	30	Days	\$58.30343	\$ 1,749.10	22	kW	\$30.06000	\$374.75	22	kW	\$30.06000	\$286.57	\$661.32	23	kW	\$ 6.13000	\$79.89	21	kW
9/14 - 10/12/22	29	Days	\$58.30430	\$ 1,690.82	20	kW	\$30.06000	\$352.43	22	kW	\$2.24000	\$20.39	\$372.82	22	kW	\$ 6.13000	\$79.06		kW
10/13 - 11/13/22	32	Days	\$58.30343	\$ 1,865.71	33	kW	\$2.24000	\$73.92					\$73.92						
11/14 - 12/12/22	29	Days	\$58.30343	\$ 1,690.80	38	kW	\$2.24000	\$49.90	488	kW	\$2.24000	\$452.33	\$502.22						
12/13 - 1/11/23	30	Days	\$57.70034	\$ 1,731.02	1820	kW	\$2.24000	\$2,581.97	1820	kW	\$2.57000	\$1,715.05	\$4,297.02						
1/12 - 2/12/23	32	Days	\$30.47581	\$ 975.23	1376	kW	\$2.53000	\$3,481.28					\$3,481.28						
2/13 - 3/14/23	30	Days	\$59.79616	\$ 1,793.88	488	kW	\$2.57000	\$668.89	1368	kW	\$2.57000	\$1,640.69	\$2,309.57						
3/15 - 4/13/23	30	Days	\$63.38189	\$ 1,901.46	485	kW	\$2.57000	\$1,246.45					\$1,246.45						
4/14 - 5/14/23	31	Days	\$63.38189	\$ 1,964.84	33	kW	\$2.57000	\$84.81					\$84.81						
5/15 - 6/12/23	29	Days	\$61.59415	\$ 1,786.21	22	kW	\$2.57000	\$33.14	21	kW	\$32.86000	\$285.54	\$318.69						21
<b>TOTALS</b>	<b>365</b>			<b>\$20,822.18</b>	<b>4384</b>				<b>3741</b>				<b>\$14,760.92</b>	<b>87</b>					<b>42</b>

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

Month	Customer Charge			Demand Charge Max Peak								Total Monthly Cost	Demand Charge Max Part Peak						
	Number	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost		Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit
6/13 - 7/13/2022	31	Days		\$ 3,614.81		25	kW		\$0.00			\$0.00	\$751.50		20	kW	\$ 122.60		0
7/14 - 8/14/22	32	Days		\$ 3,731.42		22	kW		\$0.00			\$0.00	\$661.32		128	kW	\$ 784.64		0
8/15 - 9/13/22	30	Days		\$ 3,498.21		22	kW		\$286.57			\$661.32	\$661.32		23	kW	\$ 79.89		21
9/14 - 10/12/22	29	Days		\$ 3,381.62		20	kW		\$20.39			\$372.82	\$372.82		22	kW	\$ 79.06		0
10/13 - 11/13/22	32	Days		\$ 3,731.42		33	kW		\$0.00			\$0.00	\$73.92		0	kW	\$ -		0
11/14 - 12/12/22	29	Days		\$ 3,381.60		38	kW		\$794.35			\$844.25	\$844.25		0	kW	\$ -		0
12/13 - 1/11/23	30	Days		\$ 3,462.03		3307	kW		\$0.00			\$3,121.01	\$7,812.54		0	kW	\$ -		0
1/12 - 2/12/23	32	Days		\$ 2,788.30		2858	kW		\$0.00			\$0.00	\$7,290.02		0	kW	\$ -		0
2/12 - 3/14/23	30	Days		\$ 3,587.77		1232	kW		\$2,967.15			\$4,655.81	\$4,655.81		0	kW	\$ -		0
3/15 - 4/13/23	30	Days		\$ 3,802.91		1237	kW		\$0.00			\$0.00	\$3,179.09		0	kW	\$ -		0
4/14 - 5/14/23	31	Days		\$ 3,929.68		33	kW		\$0.00			\$0.00	\$84.81		0	kW	\$ -		0
5/15 - 6/12/23	29	Days		\$ 3,572.42		22	kW		\$285.54			\$318.69	\$318.69		0	kW	\$ -		21
<b>TOTALS</b>	<b>365</b>			<b>\$42,482.19</b>	<b>8849</b>				<b>0</b>				<b>\$26,706.08</b>	<b>193</b>					<b>42</b>

Total Monthly Cost		Demand Charge Max Demand								Total Monthly Cost		Energy Charges Peak					
Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	
	\$0.00		kW		\$0.00		kW		\$0.00		kWh		\$ -		kWh		
	\$649.78	383	kW	\$ 28.04000	\$10,739.32		kW		\$0.00	\$10,739.32		kWh			kWh		
	\$0.00	385	kW	\$ 28.04000	\$6,117.39	371	kW	\$28.04000	\$4,507.90	\$10,625.29		kWh			kWh		
		623	kW	\$ 28.04000	\$10,240.40	378	kW	\$28.04000	\$4,385.84	\$14,626.24		kWh			kWh		
		760	kW	\$ 28.04000	\$21,310.40		kW			\$21,310.40		kWh			kWh		
		372	kW	\$ 28.04000	\$6,114.65	379	kW	\$28.04000	\$4,397.45	\$10,512.10		kWh		5433	kWh	\$ 0.16684	
		1487	kW	\$ 28.04000	\$26,407.14	1875	kW	\$29.15000	\$20,040.63	\$46,447.76	10683	kWh	\$ 0.16684	\$ 1,782.35	52293	kWh	\$ 0.18019
		1510	kW	\$ 29.15000	\$44,016.50		kW			\$44,016.50	39102	kWh	\$ 0.18019	\$ 7,045.79		kWh	
		1868	kW	\$ 29.15000	\$29,041.17	1869	kW	\$30.91000	\$26,959.70	\$56,000.88	14840	kWh	\$ 0.18019	\$ 2,674.02	18511	kWh	\$ 0.18351
		1869	kW	\$ 30.91000	\$57,770.79		kW			\$57,770.79	16513	kWh	\$ 0.18351	\$ 3,030.30		kWh	
		380	kW	\$ 30.91000	\$11,745.80		kW			\$11,745.80		kWh			kWh		
	\$0.00	753	kW	\$ 30.91000	\$13,644.10	758	kW	\$29.78000	\$9,340.65	\$22,984.75		kWh		\$ -		kWh	
	\$649.78	10390				5630				\$306,779.83	81138			76237			

Total Monthly Cost		Demand Charge Max Demand								Total Monthly Cost		Energy Charges Peak					
Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	
	\$122.60	974	kW	\$ 28.04000	\$27,310.96		kW		\$0.00	\$27,310.96	1732	kWh	\$ 0.18675	\$ 323.45		kWh	
	\$134.86	534	kW	\$ 28.04000	\$14,973.36		kW		\$0.00	\$14,973.36	2139	kWh	\$ 0.18675	\$ 399.46		kWh	
\$ 6.13000	\$55.78	529	kW	\$ 28.04000	\$8,405.46	467	kW	\$28.04000	\$5,674.36	\$14,079.82	1172	kWh	\$ 0.18675	\$ 218.87	933	kWh	\$ 0.18675
	\$135.68	979	kW	\$ 28.04000	\$16,092.06	971	kW	\$28.04000	\$11,266.28	\$27,358.34	1190	kWh	\$ 0.18675	\$ 222.23	966	kWh	\$ 0.16684
	\$79.06	985	kW	\$ 28.04000	\$27,619.40		kW			\$27,619.40	2817	kWh	\$ 0.16684	\$ 469.99		kWh	
		1434	kW	\$ 28.04000	\$23,571.00	1379	kW	\$28.04000	\$16,000.20	\$39,571.21	1686	kWh	\$ 0.16684	\$ 281.29	14980	kWh	\$ 0.16684
		1820	kW	\$ 28.04000	\$32,320.77	1825	kW	\$29.15000	\$19,506.21	\$51,826.98	27487	kWh	\$ 0.16684	\$ 4,585.93	84299	kWh	\$ 0.18019
		1868	kW	\$ 26.46000	\$49,427.28		kW			\$49,427.28	49185	kWh	\$ 0.18520	\$ 9,109.06		kWh	
		491	kW	\$ 29.15000	\$7,633.41	1375	kW	\$30.91000	\$19,833.92	\$27,467.33	6951	kWh	\$ 0.18019	\$ 1,252.50	28980	kWh	\$ 0.18351
		1807	kW	\$ 30.91000	\$55,854.37		kW			\$55,854.37	14452	kWh	\$ 0.18351	\$ 2,652.09		kWh	
		1873	kW	\$ 30.91000	\$57,894.43		kW			\$57,894.43	2038	kWh	\$ 0.18351	\$ 373.99		kWh	
\$ 6.56000	\$57.00	959	kW	\$ 30.91000	\$17,376.75	919	kW	\$29.78000	\$11,324.62	\$28,701.36	932	kWh	\$ 0.18351	\$ 171.03	793	kWh	\$ 0.20656
	\$529.20	14253				6936				\$422,084.84	111781			130951			

Total Monthly Cost		Demand Charge Max Demand								Total Monthly Cost		Energy Charges Peak					
Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	
	\$0.00	974	kW		\$ -	0	kW		\$0.00	\$ 27,310.96	1732	kWh	\$ 323.45	0	kWh		
	\$0.00	917	kW		\$ -	0	kW		\$0.00	\$ 25,712.68	2139	kWh	\$ 399.46	0			
	\$ 135.68	914	kW		\$ -	838	kW	\$10,182.26	\$ 24,705.11	\$ 218.87	1172	kWh	\$ 218.87	933			
	\$ 79.06	1602	kW		\$ -	1349	kW	\$15,652.12	\$ 41,984.58	\$ 222.23	1190	kWh	\$ 222.23	966			
	\$ -	1745	kW		\$ -	0	kW		\$0.00	\$ 48,929.80	2817	kWh	\$ 469.99	0			
	\$ -	1806	kW		\$ -	1758	kW	\$20,397.65	\$ 50,083.31	\$ 281.29	1686	kWh	\$ 281.29	20413			
	\$ -	3307	kW		\$ -	3700	kW	\$39,546.83	\$ 98,274.74	\$ 6,368.28	38170	kWh	\$ 6,368.28	136592			
	\$ -	3378	kW		\$ -	0	kW		\$0.00	\$ 93,443.78	88287	kWh	\$ 16,154.85	0			
	\$ -	2359	kW		\$ -	3244	kW	\$46,793.62	\$ 83,468.21	\$ 3,926.52	21791	kWh	\$ 3,926.52	47491			
	\$ -	3676	kW		\$ -	0	kW		\$0.00	\$ 113,625.16	30965	kWh	\$ 5,682.39	0			
	\$ -	2253	kW		\$ -	0	kW		\$0.00	\$ 69,640.23	2038	kWh	\$ 373.99	0			
	\$ 57.00	1712	kW		\$ -	1677	kW	\$20,665.27	\$ 51,686.12	\$ 171.03	932	kWh	\$ 171.03	793			
	\$1,178.98	24643				12566				\$728,864.67	192919			207188			

Total Monthly Cost		Energy Charges Part Peak								Total Monthly Cost		Energy Charges Off Peak								Total Monthly Cost	
Cost		Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost
\$0.00	\$0.00		kWh		\$ -		kWh		\$0.00	\$0.00		kWh	\$0.00		kWh		\$ -		kWh		\$0.00
		44	kWh	\$ 0.15333	\$ 6.75		kWh		\$0.00	\$6.75	140018	kWh	\$ 0.12693	\$17,772.48		kWh	\$ -		kWh		\$17,772.48
			kWh		\$ -		kWh		\$0.00	\$0.00	76150	kWh	\$ 0.12693	\$9,665.72	47752	kWh	\$ 0.12693	\$ 6,061.16		kWh	\$15,726.88
	\$0.00		kWh				kWh				83934	kWh	\$ 0.12693	\$10,653.74	56261	kWh	\$ 0.12672	\$ 7,129.39		kWh	\$17,783.14
	\$0.00		kWh				kWh				245189	kWh	\$ 0.12672	\$31,070.35		kWh				kWh	\$31,070.35
\$906.44	\$906.44		kWh				kWh				93356	kWh	\$ 0.12672	\$11,830.07	76217	kWh	\$ 0.12672	\$ 9,658.22		kWh	\$21,488.29
\$9,422.68	\$11,205.03		kWh				kWh				227733	kWh	\$ 0.12672	\$28,858.33	224026	kWh	\$ 0.13414	\$30,050.85		kWh	\$58,909.17
	\$7,045.79		kWh				kWh				489719	kWh	\$ 0.13414	\$65,690.91		kWh				kWh	\$65,690.91
\$ 3,396.95	\$6,070.97		kWh				kWh				505646	kWh	\$ 0.13414	\$67,827.35	329649	kWh	\$ 0.13746	\$45,313.55		kWh	\$113,140.91
	\$3,030.30		kWh				kWh				633450	kWh	\$ 0.13746	\$87,074.04		kWh				kWh	\$87,074.04
			kWh				kWh				34897	kWh	\$ 0.13746	\$4,796.94		kWh				kWh	\$4,796.94
\$0.00	\$0.00		kWh				kWh		\$0.00	\$0.00	115464	kWh	\$ 0.13746	\$15,871.68	92307	kWh	\$ 0.13789	\$12,728.21		kWh	\$28,599.89
	\$28,258.53	44				0			\$6.75	\$6.75	2645556		\$351,111.62	826212							\$462,053.00

Total Monthly Cost		Energy Charges Part Peak								Total Monthly Cost		Energy Charges Off Peak								Total Monthly Cost	
Cost		Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost
\$0.00	\$323.45	1635	kWh	\$ 0.15333	\$ 250.69		kWh		\$250.69	333189	kWh	\$ 0.12693	\$ 42,291.68		kWh		\$ -		kWh		\$42,291.68
\$0.00	\$399.46	1914	kWh	\$ 0.15333	\$ 293.47		kWh		\$293.47	176173	kWh	\$ 0.12693	\$ 22,361.64		kWh		\$ -		kWh		\$22,361.64
\$ 174.24	\$393.11	1016	kWh	\$ 0.15333	\$ 155.78	797	kWh	\$ 0.15333	\$ 122.20	\$277.99	91247	kWh	\$ 0.12693	\$ 11,581.98	70226	kWh	\$ 0.12693	\$ 8,913.79		kWh	\$20,495.77
\$161.17	\$383.40	997	kWh	\$ 0.15333	\$ 152.87		kWh		\$152.87	\$152.87	167474	kWh	\$ 0.12693	\$ 21,257.47	130719	kWh	\$ 0.12672	\$16,564.71		kWh	\$37,822.19
	\$469.99		kWh				kWh				453208	kWh	\$ 0.12672	\$ 57,430.52		kWh				kWh	\$57,430.52
\$2,499.26	\$2,780.56		kWh				kWh				360683	kWh	\$ 0.12672	\$ 45,705.75	285004	kWh	\$ 0.12672	\$36,115.71		kWh	\$81,821.46
\$15,189.84	\$19,775.77		kWh				kWh				416600	kWh	\$ 0.12672	\$ 52,791.55	305040	kWh	\$ 0.13414	\$40,918.07		kWh	\$93,709.62
	\$9,109.06		kWh				kWh				803154	kWh	\$ 0.13959	\$112,112.27		kWh				kWh	\$112,112.27
\$5,318.12	\$6,570.62		kWh				kWh				26548	kWh	\$ 0.13414	\$ 3,561.15	143782	kWh	\$ 0.13746	\$19,764.27		kWh	\$23,325.42
	\$2,652.09		kWh				kWh				311772	kWh	\$ 0.13746	\$ 42,856.18		kWh				kWh	\$42,856.18
	\$373.99		kWh				kWh				553372	kWh	\$ 0.13746	\$ 76,066.52		kWh				kWh	\$76,066.52
\$163.80	\$334.83		kWh			713	kWh	\$ 0.16819	\$119.92	\$119.92	129396	kWh	\$ 0.13746	\$17,786.77	93047	kWh	\$ 0.13789	\$12,830.25		kWh	\$30,617.02
	\$43,566.33	5562				1510			\$1,094.94	\$1,094.94	3822816		\$505,803.48	1027818							\$640,910.27

Total Monthly Cost		Energy Charges Part Peak								Total Monthly Cost		Energy Charges Off Peak								Total Monthly Cost	
Cost		Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost
\$0.00	\$ 323.45	1635	kWh		\$ 250.69	0	kWh		\$0.00	\$250.69	333189	kWh	\$ -	0	kWh		\$ -		kWh		\$42,291.68
\$0.00	\$ 399.46	1958	kWh		\$ 300.22	0	kWh		\$0.00	\$300.22	316191	kWh	\$ -	0	kWh		\$ -		kWh		\$40,134.12
\$174.24	\$ 393.11	1016	kWh		\$ 155.78	797	kWh		\$277.99	\$277.99	167397	kWh	\$ -	117978	kWh		\$14,974.95		kWh		\$36,222.65
\$161.17	\$ 383.40	997	kWh		\$ 152.87	0	kWh		\$152.87	\$152.87	251408	kWh	\$ -	186980	kWh		\$23,694.11		kWh		\$55,605.32
\$0.00	\$ 469.99	0	kWh		\$ -	0	kWh		\$0.00	\$0.00	698397	kWh	\$ -	0	kWh		\$ -		kWh		\$88,500.87
\$3,405.70	\$ 3,687.00	0	kWh		\$ -	0	kWh		\$0.00	\$0.00	454039	kWh	\$ -	361221	kWh		\$45,773.93		kWh		\$103,309.75
\$24,612.51	\$ 30,980.80	0	kWh		\$ -	0	kWh		\$0.00	\$0.00	644333	kWh	\$ -	529066	kWh		\$70,968.91		kWh		\$152,618.79
\$0.00	\$ 16,154.85	0	kWh		\$ -	0	kWh		\$0.00	\$0.00	1292873	kWh	\$ -	0	kWh		\$ -		kWh		\$177,803.17
\$8,715.07	\$ 12,641.59	0	kWh		\$ -	0	kWh		\$0.00	\$0.00	532194	kWh	\$ -	473431	kWh		\$65,077.83		kWh		\$136,466.33
\$0.00	\$ 5,682.39	0	kWh		\$ -	0	kWh		\$0.00	\$0.00	945222	kWh	\$ -	0	kWh		\$ -		kWh		\$129,930.22
\$0.00	\$ 373.99	0	kWh		\$ -	0	kWh		\$0.00	\$0.00	588269	kWh	\$ -	0	kWh		\$ -		kWh		\$80,863.46
\$163.80	\$ 334.83	0	kWh		\$ -	713	kWh		\$119.92	\$119.92	244860	kWh	\$ -	185354	kWh		\$25,558.46		kWh		\$59,216.92
	\$71,824.86	5606				1510			\$1,101.69	\$1,101.69	6468372		\$0.00	1854030							\$1,102,963.27

Energy Charges Super Off Peak								Total Monthly Cost	Power Factor Adjustment	Energy Commission Tax	PDP Program Credits	Total Monthly Cost	Total kWh	Average \$/kWh
Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost							
	kWh		\$0.00		kWh		\$0.00					\$1,807.41	0	NA
	kWh		\$0.00		kWh		\$0.00	(\$77.03)	\$42.02	(\$116.60)		\$30,882.43	140062	\$0.22049
	kWh		\$0.00		kWh		\$0.00	(\$68.14)	\$37.18			\$28,070.31	123902	\$0.22655
	kWh		\$0.00		kWh		\$0.00	(\$77.10)	\$42.06			\$34,065.14	140195	\$0.24298
	kWh		\$0.00		kWh		\$0.00	(\$110.34)	\$73.56			\$54,209.68	245189	\$0.22109
	kWh		\$0.00		kWh		\$0.00	(\$96.26)	\$52.51			\$34,895.91	175006	\$0.19940
	kWh		\$0.00		kWh		\$0.00	(\$180.16)	\$154.42			\$121,782.78	514735	\$0.23659
	kWh		\$0.00		kWh		\$0.00	(\$211.53)	\$158.65			\$122,322.13	528821	\$0.23131
	kWh		\$0.00	114207	kWh	\$0.07577	\$ 8,653.46	(\$393.14)	\$294.86			\$187,908.05	982853	\$0.19119
190433	kWh	\$0.07577	\$14,429.11		kWh		\$14,429.11	(\$336.16)	\$252.12			\$166,054.30	840396	\$0.19759
6926	kWh	\$0.07577	\$524.78		kWh		\$524.78	(\$23.00)	\$12.55			\$19,021.91	41823	\$0.45482
35686	kWh	\$0.07577	\$2,703.93		kWh		\$2,703.93	(\$109.56)	\$73.04			\$56,038.26	243457	\$0.23018
233045			\$17,657.82	114207			\$26,311.28	(\$1,682.42)	\$1,192.97	(\$116.60)		\$857,058.31	3976439	\$0.21553

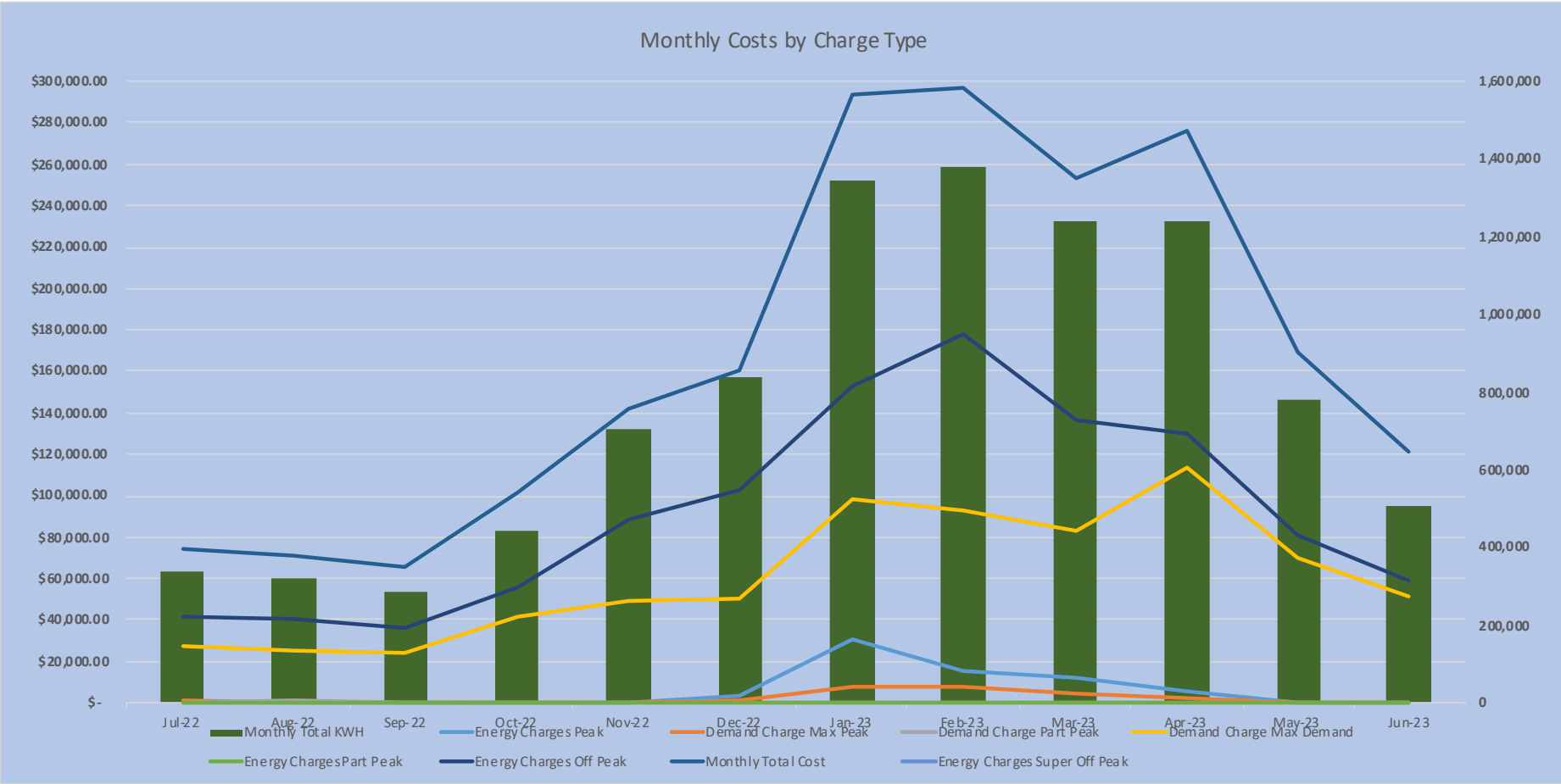
Energy Charges Super Off Peak								Total Monthly Cost	Power Factor Adjustment	Energy Commission Tax	PDP Program Credits	Total Monthly Cost		
Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost							
	kWh	\$ -	\$ -		kWh	\$ -	\$ -	(\$168.28)	\$100.97			\$72,790.98	336556	\$0.21628
	kWh	\$ -	\$ -		kWh	\$ -	\$ -	(\$126.16)	\$54.07			\$40,617.73	180226	\$0.22537
	kWh	\$ -	\$ -		kWh	\$ -	\$ -	(\$115.77)	\$49.62			\$37,726.63	165391	\$0.22811
	kWh	\$ -	\$ -		kWh	\$ -	\$ -	(\$165.74)	\$90.41			\$67,784.16	301346	\$0.22494
	kWh	\$ -	\$ -		kWh	\$ -	\$ -	(\$228.01)	\$136.81			\$87,368.34	456025	\$0.19159
	kWh	\$ -	\$ -		kWh	\$ -	\$ -	(\$397.41)	\$198.71			\$126,167.54	662353	\$0.19048
	kWh	\$ -	\$ -		kWh	\$ -	\$ -	(\$291.70)	\$250.03			\$171,298.74	833426	\$0.20554
	kWh	\$ -	\$ -		kWh	\$ -	\$ -	(\$213.08)	\$255.70			\$175,147.73	852339	\$0.20549
	kWh	\$ -	\$ -	50146	kWh	\$0.07577	\$ 3,799.56	(\$38.46)	\$76.92			\$65,304.86	256407	\$0.25469
76313	kWh	\$0.07577	\$ 5,782.24		kWh		\$5,782.24	\$20.13	\$120.76			\$110,433.68	402537	\$0.27434
184346	kWh	\$0.07577	\$13,967.90		kWh		\$13,967.90	(\$147.95)	\$221.93			\$150,426.47	739756	\$0.20335
38936	kWh	\$0.07577	\$2,950.18		kWh		\$2,950.18		\$79.15			\$64,964.36	263817	\$0.24625
299595			\$22,700.31	50146			\$26,499.88	(\$1,872.43)	\$1,635.08	\$0.00		\$1,170,031.23	5450179	\$0.21468

Energy Charges Off Peak								Total Monthly Cost	Power Factor Adjustment	Energy Commission Tax	PDP Program Credits	Total Monthly Cost	Total kWh	Average \$/kWh
Number P1	Unit	Unit Cost	Cost	Number P2	Unit	Unit Cost	Cost							
0	kWh	\$ -	\$ -	0	kWh	\$ -	\$ -	(\$168.28)	\$ 100.97	\$0.00		\$74,598.39	336,556	\$0.22165
0	kWh	\$ -	\$ -	0	kWh	\$ -	\$ -	(\$203.19)	\$ 96.09	(\$116.60)		\$ 71,500.16	320,288	\$0.22324
0	kWh	\$ -	\$ -	0	kWh	\$ -	\$ -	(\$183.91)	\$ 86.80	\$0.00		\$65,796.95	289,293	\$0.22744
0	kWh	\$ -	\$ -	0	kWh	\$ -	\$ -	(\$242.84)	\$ 132.47	\$0.00		\$101,849.30	441,541	\$0.23067
0	kWh	\$ -	\$ -	0	kWh	\$ -	\$ -	(\$338.35)	\$ 210.37	\$0.00		\$141,578.02	701,214	\$0.20190
0	kWh	\$ -	\$ -	0	kWh	\$ -	\$ -	(\$493.67)	\$ 251.22	\$0.00		\$161,063.45	837,359	\$0.19235
0	kWh	\$ -	\$ -	0	kWh	\$ -	\$ -	(\$471.86)	\$ 404.45	\$0.00		\$293,081.52	1,348,161	\$0.21739
0	kWh	\$ -	\$ -	0	kWh	\$ -	\$ -	(\$424.61)	\$ 414.35	\$0.00		\$297,469.87	1,381,160	\$0.21538
0	kWh			164353	kWh		\$12,453.03	(\$431.60)	\$ 371.78	\$0.00		\$253,212.91	1,239,260	\$0.20433
266746	kWh			0	kWh		\$ -	(\$316.03)	\$ 372.88	\$0.00		\$276,487.97	1,242,933	\$0.22245
191272	kWh			0	kWh		\$ -	(\$170.95)	\$ 234.48	\$0.00		\$169,448.38	781,579	\$0.21680
74622	kWh			0	kWh		\$ -	(\$109.56)	\$ 152.19	\$0.00		\$121,002.62	507,274	\$0.23854
532640			\$0.00	164353			\$52,811.16	(\$3,554.85)	\$2,828.05	(\$116.60)		\$2,027,089.54	9,426,618	\$0.21504

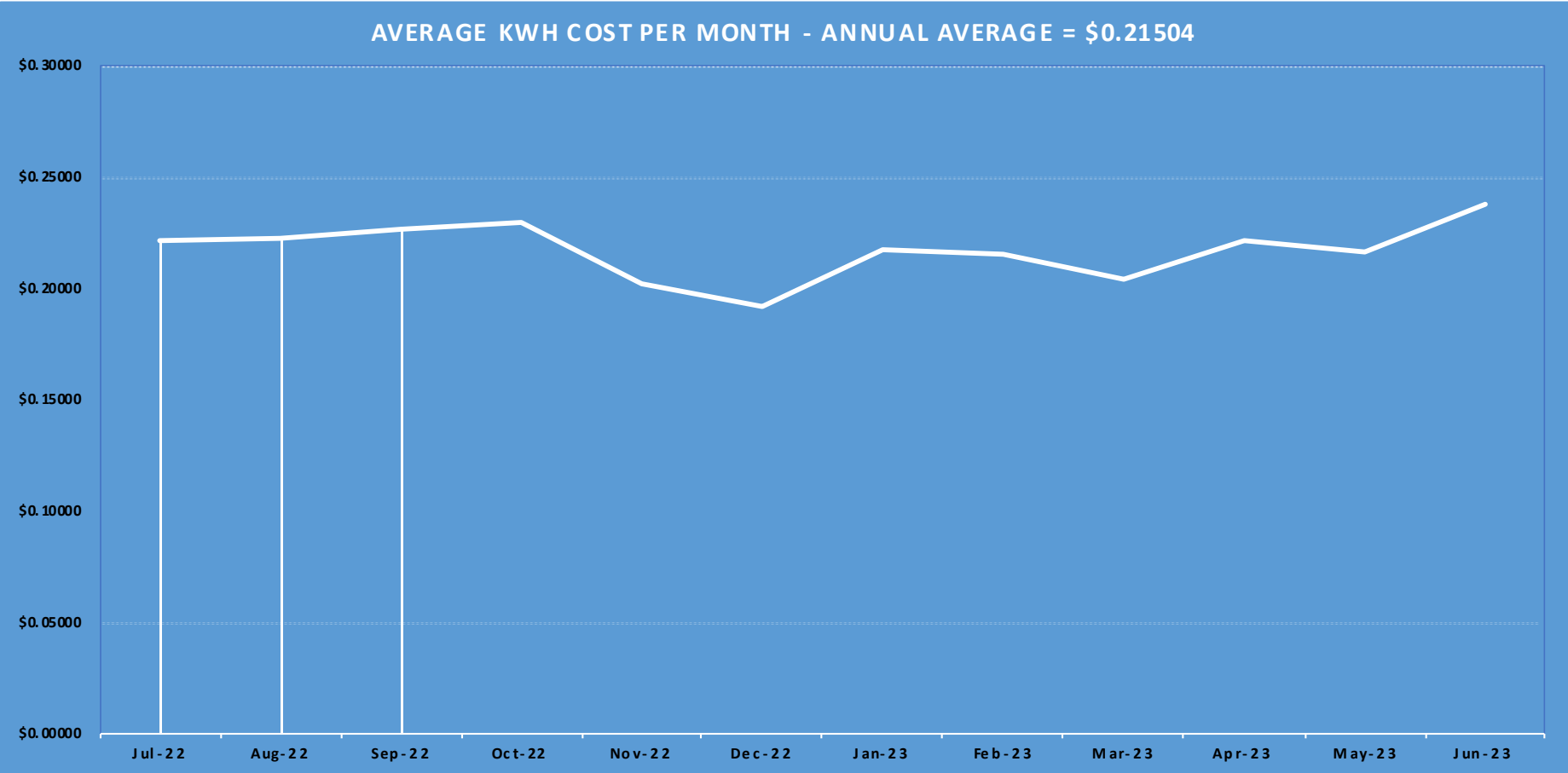
PG&EMonthly Summary Costs FYE23

Month	Customer Charge	Charge Max Peak	Charge Part Peak	Charge Max Demand	Charges Peak	Charges Part Peak	Charges Off Peak	Charges Super Off	Power Factor Adjustment	Commission Tax	Program Credits	Monthly TotalCost	Monthly TotalKWH	Average KWH Cost
Jul-22	\$3,614.81	\$751.50	\$122.60	\$27,310.96	\$ 323.45	\$250.69	\$42,291.68	\$0.00	(\$168.28)	\$100.97	\$0.00	\$74,598.39	336,556	\$0.22165
Aug-22	\$3,731.42	\$661.32	\$784.64	\$25,712.68	\$ 399.46	\$300.22	\$40,134.12	\$0.00	(\$203.19)	\$96.09	(\$116.60)	\$71,500.16	320,288	\$0.22324
Sep-22	\$3,498.21	\$661.32	\$135.68	\$24,705.11	\$ 393.11	\$277.99	\$36,222.65	\$0.00	(\$183.91)	\$86.80	\$0.00	\$65,796.95	289,293	\$0.22744
Oct-22	\$3,381.62	\$372.82	\$79.06	\$41,984.58	\$ 383.40	\$152.87	\$55,605.32	\$0.00	(\$242.84)	\$132.47	\$0.00	#####	441,541	\$0.23067
Nov-22	\$3,731.42	\$73.92	\$0.00	\$48,929.80	\$ 469.99	\$0.00	\$88,500.87	\$0.00	(\$338.35)	\$210.37	\$0.00	#####	701,214	\$0.20190
Dec-22	\$3,381.60	\$844.25	\$0.00	\$50,083.31	\$ 3,687.00	\$0.00	#####	\$0.00	(\$493.67)	\$251.22	\$0.00	#####	837,359	\$0.19235
Jan-23	\$3,462.03	\$7,812.54	\$0.00	\$98,274.74	\$30,980.80	\$0.00	#####	\$0.00	(\$471.86)	\$404.45	\$0.00	#####	1,348,161	\$0.21739
Feb-23	\$2,788.30	\$7,290.02	\$0.00	\$93,443.78	\$16,154.85	\$0.00	#####	\$0.00	(\$424.61)	\$414.35	\$0.00	#####	1,381,160	\$0.21538
Mar-23	\$3,587.77	\$4,655.81	\$0.00	\$83,468.21	\$12,641.59	\$0.00	#####	\$12,453.03	(\$431.60)	\$371.78	\$0.00	#####	1,239,260	\$0.20433
Apr-23	\$3,802.91	\$3,179.09	\$0.00	#####	\$ 5,682.39	\$0.00	#####	\$20,211.34	(\$316.03)	\$372.88	\$0.00	#####	1,242,933	\$0.22245
May-23	\$3,929.68	\$84.81	\$0.00	\$69,640.23	\$ 373.99	\$0.00	\$80,863.46	\$14,492.68	(\$170.95)	\$234.48	\$0.00	#####	781,579	\$0.21680
Jun-23	\$3,572.42	\$318.69	\$57.00	\$51,686.12	\$ 334.83	\$119.92	\$59,216.92	\$5,654.11	(\$109.56)	\$152.19	\$0.00	#####	507,274	\$0.23854
<b>Total</b>	\$42,482.19	\$26,706.08	\$1,178.98	#####	\$71,824.86	\$1,101.69	#####	\$52,811.16	(\$3,554.85)	\$2,828.05	(\$116.60)	#####	9,426,618	\$0.21504



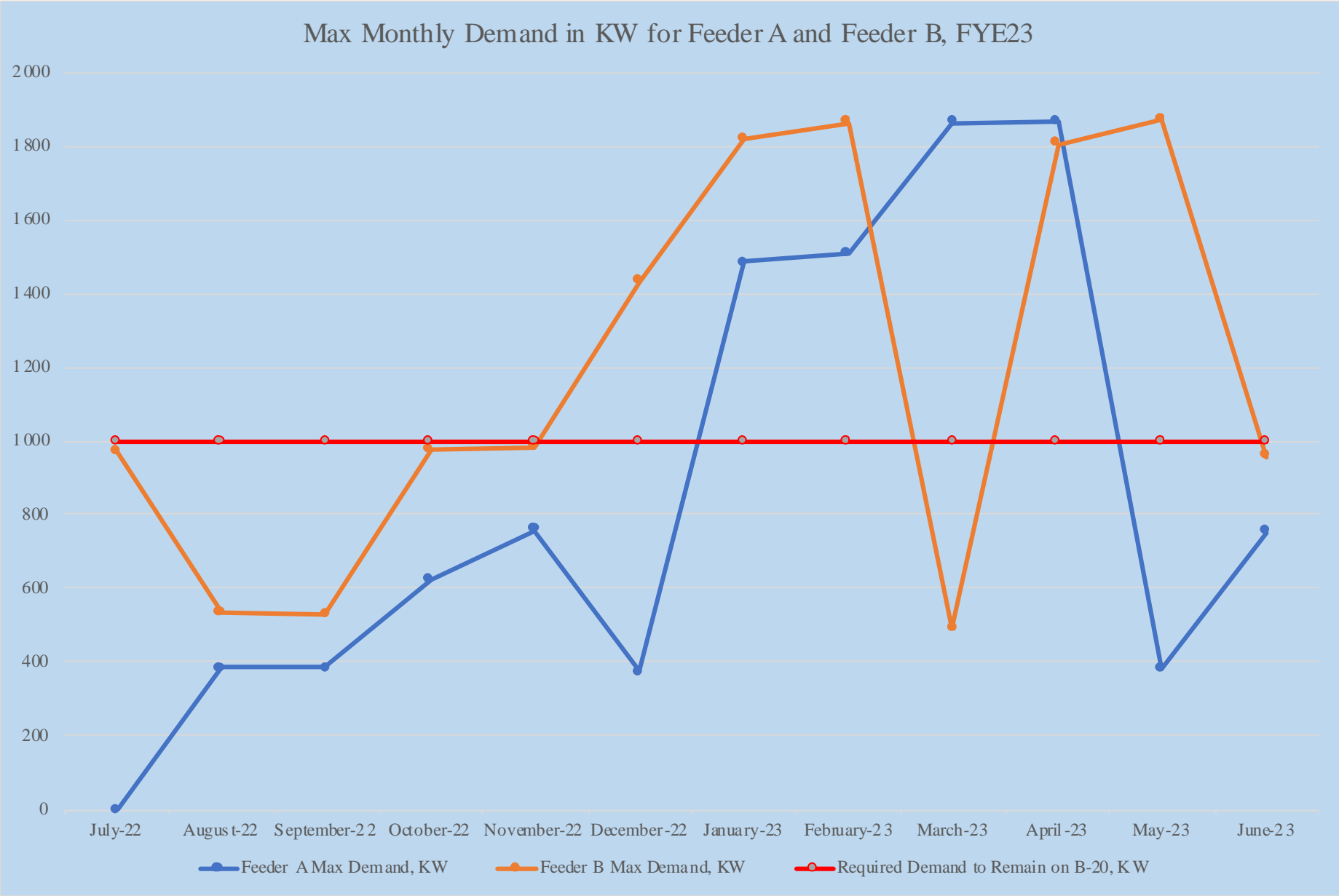


<b>Month</b>	<b>Average KWH Cost per Month - Annual Average = \$0.2150</b>
Jul-22	\$0.22165
Aug-22	\$0.22324
Sep-22	\$0.22744
Oct-22	\$0.23067
Nov-22	\$0.20190
Dec-22	\$0.19235
Jan-23	\$0.21739
Feb-23	\$0.21538
Mar-23	\$0.20433
Apr-23	\$0.22245
May-23	\$0.21680
Jun-23	\$0.23854
Average	\$0.21504



Month	Feeder A Max Demand, KW	Feeder B Max Demand, KW	Required Demand to Remain on B-20, KW
July-22	0	974	999
August-22	383	534	999
September-22	385	529	999
October-22	623	979	999
November-22	760	985	999
December-22	372	1434	999
January-23	1487	1820	999
February-23	1510	1868	999
March-23	1868	491	999
April-23	1869	1807	999
May-23	380	1873	999
June-23	753	959	999
(1) No. > 999	4	5	
(2) 3 consecutive months	Yes	Yes	

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



## Fiscal Year Trends

Month	Actual Monthly	Actual Monthly	Actual
	Total Cost	Total KWH	Average KWH Cost
Jul-22	\$74,598.39	336,556	\$0.22165
Aug-22	\$71,500.16	320,288	\$0.22324
Sep-22	\$65,796.95	289,293	\$0.22744
Oct-22	\$101,849.30	441,541	\$0.23067
Nov-22	\$141,578.02	701,214	\$0.20190
Dec-22	\$161,063.45	837,359	\$0.19235
Jan-23	\$293,081.49	1,348,161	\$0.21739
Feb-23	\$297,469.87	1,381,160	\$0.21538
Mar-23	\$253,212.92	1,239,260	\$0.20433
Apr-23	\$276,487.96	1,242,933	\$0.22245
May-23	\$169,448.38	781,579	\$0.21680
Jun-23	\$121,002.64	507,274	\$0.23854
Total	\$2,027,089.51	9,426,618	\$0.2118
Average	\$168,924.13	785,552	

Fiscal Year	Total KWH by	Total Costs by	Average	Average
	FY	FY	KWH Cost by FY	Increase by FY
FYE18	7,619,866	\$1,077,759	\$0.1414	
FYE19	8,710,960	\$1,355,726	\$0.1556	\$0.0142
FYE20	7,454,749	\$1,267,923	\$0.1701	\$0.0144
FYE21	7,132,800	\$1,329,898	\$0.1864	\$0.0164
FYE22	7,333,592	\$1,455,980	\$0.1985	\$0.0121
FYE23	9,426,618	\$2,027,090	\$0.2150	\$0.0165
Average	7,946,431	\$1,419,063	\$0.1779	\$0.0147

