



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

Wednesday, May 20, 2020, 6:00 p.m.

Due to Shelter in Place Orders, this meeting will be conducted via teleconference.

Meeting participants and the public may participate through computer video and audio by clicking on the following link:

<https://us02web.zoom.us/j/83423538102>

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

Meeting ID: 834 2353 8102

**One tap mobile if using audio only from a telephone and not a computer
+1 669 900 9128 83423538102# US (San Jose)**

See below for additional info on participation procedures.

- 1. Call to Order**
- 2. Pledge of Allegiance**
- 3. Roll Call**
- 4. Order of Agenda/Acknowledgement of Posting**
(The agenda may be re-ordered by motion of the Board. The agenda has been posted virtually on the Agency's website and, to the extent possible under the circumstances, physically in the display case outside the DSRSD Building, Pleasanton City Hall and Livermore City Hall at least 72 hours prior to a regular meeting and 24 hours prior to a special meeting.)
- 5. Public Comment**
(See text in box below for information on how to observe and submit public comments.)
- 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.)
- Pages 4 – 7** **6.a. Board Meeting Minutes of February 19, 2020**
(The Board will consider approving the minutes from the February 19, 2020 Board meeting.)

- Pages 8 – 9** **6.b. Declaration of the Board Chair Altering the Regular Meeting Location Due to a Local Emergency Caused by the Coronavirus Pandemic**
(The Board will consider ratifying the Chair’s Declaration temporarily altering the regular meeting location to a teleconference location.)
- Action** **7. Annual Board Rotation – Elect Chair and Vice Chair for FY2020/21**
Page 10 (The Board will elect a Chair and Vice Chair for FY2020/21.)
- Information** **8. Financial Reporting for the Fiscal Year Ending June 30, 2020**
Pages 11 – 18 (The Board will review the Financial Reports for the Fiscal Year ending June 30, 2020.)
- Information** **9. LAVWMA Quarterly Report of Operations, 3rd Quarter, FY2019-2020**
Pages 19 – 44 (The Board will review the Quarterly Report of Operations, 3rd Quarter, FY2019-2020.)
- Action** **10. Proposed Operating and Capital Budget for Fiscal Year 2020/21**
Pages 45 – 76 (The Board will consider approving the Operating and Capital Budget for FY2020/21.)
- Information** **11. Project Status Reports - Risk Analysis of the Pump Station / Failure Analysis of the Forcemain System Project and Engineering Services for the Motor Control Center Replacement Project**
Pages 77– 94 (The Board will receive status reports on two projects at the Export Pump Station.)
- Information** **12. Update and Response to Various Legal and Legislative Issues**
Pages 95 – 113 (The Board will receive a report regarding proposed legislation and legal developments affecting LAVWMA and its member agencies.)
- Information** **13. General Manager’s Report**
Pages 114 – 132 (The Board will review the General Manager’s Report regarding the operations and maintenance of the Agency and its facilities.)
- Information** **14. Matters From/For Board Members**
(Board members may make brief announcements or reports on his or her own activities, pose questions for clarification, and/or request that items be placed on a future agenda. Except as authorized by law, no other discussion or action may be taken.)
- 15. Next Regular Board Meeting, Wednesday, August 19, 2020, 6:00 p.m.**
- 16. Adjournment in the Memory of Maddi Misheloff**

IMPORANT NOTICE REGARDING COVID-19 AND TELECONFERENCED MEETINGS:

Due to shelter in place mandates issued by the Governor in Executive Order 33-20 and the County Public Health Officer, to minimize the spread of the coronavirus, please note the following changes to LAVWMA’s ordinary meeting procedures:

- LAVWMA’s facilities are not open to the public during this emergency.
- The meeting will be conducted via teleconference. (See Executive Order 29-20)
- All members of the public seeking to observe and/or to address the Board may participate in the meeting telephonically in the manner described below.

HOW TO PARTICIPATE IN THE MEETING:

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

<https://us02web.zoom.us/j/83423538102> Meeting ID: 834 2353 8102

For audio only via telephone, dial 1 669 900 9128 then enter the following code 83423538102#

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

HOW TO SUBMIT PUBLIC COMMENTS:

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

Concurrent Comments: During the meeting, the Board Chair or designee will announce the opportunity to make public comments and identify the cut off time for submission. A short recess (generally less than 5 minutes) will take place during the time public comment is open to allow the comments to be collected, unless it is clear no member of the public is participating. Please email your comments to info@lavwma.com, write “Public Comment” in the subject line. In the body of the email, include the agenda item number and title, as well as your comments. Once the public comment period is closed, all comments timely received will be read aloud. Comments received after the close of the public comment period will be added to the record after the meeting.

ACCESSIBILITY INFORMATION:

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

PUBLIC RECORDS:

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

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LAVWMA
Livermore-Amador Valley Water Management Agency
Minutes
Regular Meeting of Board of Directors
Wednesday, February 19, 2020
Pleasanton City Council Chambers
200 Old Bernal Avenue, Pleasanton, California
6:00 p.m.

1. Call to Order

Chair Jerry Pentin called the meeting to order at 6:01 p.m.

2. Pledge of Allegiance

3. Roll Call

Board Members Present: Chair Jerry Pentin; Vice Chair Bob Woerner; Directors, Ann Marie Johnson, John Marchand, Julie Testa, and Georgean Vonheeder-Leopold

Board Members Absent: None

Staff Present: General Counsel Alexandra Barnhill, General Manager Chuck Weir, DSRSD Operations Manager Jeff Carson, DSRSD Financial Services Supervisor Herman Chen, and Recording Secretary Sue Montague

Staff Absent: None

Others Present: None

4. Order of Agenda

There were no changes to the order of the agenda.

5. Comments from the Public

There were no comments from the public.

6. Consent Calendar

- a. Minutes of November 20, 2019 LAVWMA Board Meeting

Director Marchand motioned, seconded by Director Woerner to approve Consent Calendar Item No. 6.a.

The Motion passed unanimously (6-0).

7. Financial Reporting for the Fiscal Year June 30, 2020

Treasurer Atwood provided a summary of the financial statements for the period ending June 30, 2020. She focused on the new Operations and Maintenance Budget vs. Actual Spreadsheet, which shows comparisons between the current and prior fiscal years. Operating revenues for

O&M have already been collected from the member agencies. PG&E costs for power are under budget due to the low rainfall to date. A major difference between the two years is that the EBDA debt has been paid so it will not show going forward. All expenses are tracking normally.

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

8. Approval of a Resolution Changing the Official Regular Meeting Location

Historically, the Board’s official regular meeting location was the DSRSD main office but was changed to Pleasanton City Hall in 2019 due to flooding at DSRSD. The Board discussed the pros and cons of continuing to hold meetings at Pleasanton City Hall or to return to the renovated DSRSD main office. Since the Pleasanton location was intended to be temporary, it is not known if the site would be available on a permanent basis. Staff had recommended returning to DSRSD in Resolution 20-__.

Director Vonheeder-Leopold motioned, seconded by Director Johnson to approve Resolution No. 20-__ Changing the Official Regular Meeting Location.

The Motion passed (4-2) with Directors Marchand and Woerner voting no.

There was additional discussion regarding the action just taken.

Chair Pentin motioned, seconded by Director Testa to reconsider the prior motion and table the decision on the matter of regular meeting location until the next regular Board meeting pending a determination that City of Pleasanton was willing and able to host the Board meetings on a permanent basis.

The Motion passed (4-2) with Directors Johnson and Vonheeder-Leopold voting no. As a result, no final action was taken on Resolution No. 20-__ and the regular meetings will remain at Pleasanton City Hall. Chair Pentin offered to discuss the issue with City of Pleasanton and report back.

9. LAVWMA Quarterly Reports of Operations, 2nd Quarter, FY2019-2020

The Board reviewed the Report and General Manager Weir highlighted some of the charts and graphs in it. The Board asked about the high special sampling costs under laboratory analysis. Jeff Carson said that it could be enterococcus testing (since confirmed) that is sometimes required by EBDA. Director Woerner asked about the pumping efficiency chart and requested that a target value be included in the chart.

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

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

Mr. Weir noted that both projects were approved by the Board at the August 21, 2019 Board meeting. He discussed the changes made to the scope for the pump station risk analysis and forcemain inspection and the data that has been provided by the member agencies to assist in

developing the revised scope. HydroScience is nearing completion on the revised scope and it is expected that the agreement will be finalized by the end of the month.

He also noted that the Notice to Proceed for the Motor Control Center Replacement project has been issued to the contractor DTN Engineers, with an effective date of February 19, 2020. The project is scheduled to cover two fiscal year periods due to scheduling needs and to be completed by December 31, 2021.

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

11. Resolution Approving a Lump Sum Payment to EBDA for LAVWMA's Share of EBDA's Other Post-Employment Benefits and Pension Accounts

The General Manager explained that during the approval of EBDA's new Joint Powers Agreement that they also approved goals of an 80% funding target for Other Post-Employment Benefits and 95% funding target for the pension account. For LAVWMA to comply with those goals, it will take a payment of \$135,708, which includes a credit of \$75,835 from the FY2018/19 budget closeout. Treasurer Atwood stated that this would be good practice and would save money in the long run. She also noted that additional payments could be required as conditions may change in the future.

Director Marchand motioned, seconded by Director Woerner to approve Resolution No. 20-01 Approving a Lump Sum Payment to EBDA for LAVWMA's Share of EBDA's Post-Employment Benefits and Pension Accounts

The Motion passed unanimously (6-0).

12. Resolution Designating Authorized Representatives for FEMA and California OES Disaster Assistance

The General Manager described the EBDA sponsored workshop that he and Jeff Carson attended and the recommendation to designate positions to deal with FEMA and CalOES in case disaster assistance is required. The recommendation was to appoint the positions of General Manager, General Counsel, and DSRSD Operations Manager to act as authorized representatives of LAVWMA and that the designation needs to be reapproved every three years.

Director Woerner motioned, seconded by Director Vonheeder-Leopold to approve Resolution No. 20-02 Designating Authorized Representatives for FEMA and California OES Disaster Assistance.

The Motion passed unanimously (6-0).

13. Update and Response to Various Legal and Legislative Issues

The General Manager and General Counsel updated the Board on legislation of interest. SB332 Hertzberg, which would require huge reductions in discharges to oceans and bays was currently on hold but could resurface next year. General Counsel noted that connection fees and other service fees continue to be a target for the Legislature as a result of the housing crisis. Ongoing issues with PFAS were also discussed.

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

14. Website Upgrade Status Report and Approval of New Logo

The General Manager described the process for updating the website and showed mockups for both LAVWMA and EBDA. The LAVWMA mockup is in the very initial stages and EBDA's is much farther along. There was discussion regarding photos for the website as well as other issues including a search feature and the use of short videos. Chair Pentin offered his services to use a drone to take high definition photos of the pump station at no cost to LAVWMA. The Board reviewed the three samples for the new logo and agreed with staff's recommendation. The board suggested enhancing the green slightly in the proposed new logo.

Director Marchand motioned, seconded by Director Woerner to approve the new logo recommended by staff.

The Motion passed unanimously (6-0).

15. General Manager's Report

Mr. Weir referred to the list of activities in his report. Many of the items listed in the report were covered by agenda items discussed at the Board meeting. He focused discussion on the approval of the EBDA Joint Powers Agreement and issues that will need to be addressed through the negotiation of a new master agreement between EBDA and LAVWMA. He also noted that the Board may need to have special Board meetings to discuss EBDA agreement issues given the timing of the Board's regular quarterly meetings.

16. Matters From/For Board Members

There were no matters from the Board.

17. Next Regular Board Meeting, Wednesday, May 20, 2020 at 6:00 p.m.

18. Adjournment

There being no further action, Chair Pentin adjourned the meeting at 7:04 p.m.

Minutes Approved by the Board _____.

Charles V. Weir
General Manager



Livermore-Amador Valley Water Management Agency

April 3, 2020

**DECLARATION OF THE BOARD PRESIDENT
ALTERING THE REGULAR MEETING LOCATION
DUE TO A LOCAL EMERGENCY CAUSED BY THE CORONAVIRUS PANDEMIC**

WHEREAS, the Livermore Amador Valley Water Management Agency ("LAVWMA") is a separate joint powers public agency created under the Joint Exercise of Powers Act (Government Code §§ 6500 *et seq.*) and the meetings of its legislative body are open and public in compliance with the legal requirements of the Ralph M. Brown Act (Government Code § 54950 *et seq.*); and

WHEREAS, on March 16, 2020, the Alameda and Contra Costa County Public Health Officers issued shelter in place orders which affect LAVWMA's entire service area and requires alterations to LAVWMA's normal business practices; and

WHEREAS, on March 19, 2020, the Governor issued Executive Order N-33-20 directing all individuals living in the State of California to stay home or at their place of residence, except as to maintain continuity of operations of specified critical infrastructure; and

WHEREAS, the Governor identified a list of Essential Critical Infrastructure Workers to help state, local, tribal and industry partners as they work to protect communities. This list includes critical government workers and identifies water, sewer, and other utility service providers as necessary to maintain safety and sanitation; and

WHEREAS, on March 31, 2020, the Alameda and Contra Costa County Public Health Officers issued revised shelter in place orders which impose stricter requirements prohibiting the public from leaving their homes except for certain essential activities, although water, sewer and other utility service providers continue to be exempt from those orders; and

WHEREAS, it is necessary to continue to have meetings of the LAVWMA Board of Directors in order to maintain the critical public health and safety services and operations provided; and

WHEREAS, Section 54954(a) of the Brown Act requires that the District specify its regular meeting time and place by ordinance, resolution or bylaws; and

WHEREAS, LAVWMA's regular meeting place has been established as the council chambers of the City of Pleasanton pursuant to a Board-adopted Resolution. The City of Pleasanton officially closed its public facilities as of March 20, 2020 due to the pandemic and the council chambers are not open to the public at this time, and

WHEREAS, Government Code section 54954(e) allows the Board Chair to designate an alternate location for the meetings to take place if, due to an emergency, it is unsafe to meet in the designated location; and

WHEREAS, on March 17, 2020, the Governor issued Executive Order N-29-20 which authorized meetings of local legislative bodies to be held by teleconference or other electronic means as long as notice is provided to the public and the meeting is made accessible in specified ways to allow the public to observe and participate; and

WHEREAS, it is my intent to allow the Board and its other legislative bodies to continue to hold meetings in order to receive information, provide direction, and make decisions on behalf of LAVWMA while still complying with social distancing requirements during the pendency of this pandemic;

NOW, THEREFORE, on behalf of LAVWMA, I, Jerry Pentin, Chair of the Board of Directors, hereby find and declare all of the following:

1. The above referenced recitals are true and correct and material to the adoption of this Declaration.
2. The regular meetings of the Board, and any and all other meetings of LAVWMA's legislative bodies that are subject to the Brown Act, may be held via teleconference or other electronic means, in the manner, time and place set forth in the agenda notice for the meeting of the legislative body, which may be updated, from time to time.
3. All members of the public seeking to observe and/or to address the local legislative body may participate in the meeting telephonically or otherwise electronically in the manner set forth in the agenda notice for the meeting of the legislative body, which may be updated, from time to time.
4. This Declaration shall take effect immediately and shall remain in effect only during the period in which state or local public health officials have imposed or recommended social distancing measures.

This Declaration is not intended to, and does not, create any rights or benefits, substantive or procedural, enforceable at law or in equity, against LAVWMA, its departments, officers, employees, contractors, or any other person.

IN WITNESS HEREOF, I have hereunto set my hand this 3rd day of April, 2020.

JERRY PENTIN



Jerry Pentin
Chair of the Board of Directors

ITEM NO. 7 ANNUAL BOARD ROTATION – ELECT CHAIR AND VICE CHAIR FOR FY2020/21

Action Requested

Nominate and Elect a Chair and Vice Chair for FY2020/21.

Summary

At the start of each fiscal year, the LAVWMA Board has traditionally rotated each member agency through the Chair and Vice Chair positions. During FY2019/20, Jerry Pentin of Pleasanton is serving as Chair and Bob Woerner of Livermore is serving as Vice Chair. During FY2018/19, Maddi Misheloff of DSRSD served as Chair and Jerry Pentin of Pleasanton served as Vice Chair. In following with this rotation, it would be appropriate for the next Chair to be from Livermore and the Vice Chair to be from DSRSD.

Following is a list of LAVWMA's Past Officers:

Fiscal Year	Chair	Vice Chair
2009/10	DSRSD – Howard	Pleasanton – Sullivan
2010/11	Pleasanton – Sullivan	Livermore – Horner
2011/12	Livermore – Horner	DSRSD – Benson
2012/13	DSRSD – Benson/Vonheeder-Leopold	Pleasanton – Thorne
2013/14	Pleasanton – Thorne	Livermore – Marchand
2014/15	Livermore – Marchand	DSRSD – Halket
2015/16	DSRSD – Benson/Duarte	Pleasanton – Pentin
2016/17	Pleasanton – Pentin	Livermore – Woerner
2017/18	Livermore – Woerner	DSRSD – Misheloff
2018/19	DSRSD – Misheloff	Pleasanton – Pentin
2019/20	Pleasanton – Pentin	Livermore – Woerner
2010/21	Livermore	DSRSD

Recommendation

Nominate and elect a Chair and Vice Chair for FY2020/21. This action requires a majority vote of the Directors present pursuant to Section 7.5 of the LAVWMA Joint Powers Agreement. The new positions will be effective July 1, 2020.

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Agenda Explanation
Livermore-Amador Valley
Water Management Agency
Board of Directors
May 20, 2020

ITEM NO. 8 FINANCIAL REPORTING FOR THE FISCAL YEAR ENDING JUNE 30, 2020

Action Requested

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

To: LAVWMA Board of Directors

From: Carol Atwood, LAVWMA Treasurer

Subject: Financial Reporting for FYE 2020

Summary

Attached are the financial statements for the period July 1, 2019 through March 31, 2020

Attachments

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

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

O&M Fund Budget vs. Actual – Shows the status of the budget to actual expenses for the O&M Fund for the period July 1, 2019 through March 31, 2020 and period July 1, 2018 through March 31, 2019.

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.

Recommendation

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

LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
SCHEDULE OF SUB FUND ACCOUNT BALANCE SHEETS
July 2019 through March 2020

	Operation & Maintenance	EBDA Capacity	2011 Debt Service	Repair and Replacement Reserve			Total
				Joint-use Replacement	Dual-use Replacement	Sole-use Replacement	
ASSETS							
Cash and equivalents	\$ 1,243,104	\$ -	\$ 26,747	\$ 723,479	\$ 12,125	\$ 9,176	\$ 2,014,632
Investments	471,643	-	14,373	15,544,246	426,922	1,597,683	18,054,868
Investments (LAIF FMV Adj)	60	-	(1,101)	27,889	746	2,753	30,348
Service Charges receivable		-			-	-	-
Due from members	275,898	-	-	-	-	-	275,898
Advances to members	28,000	-	-	317,178	-	-	345,178
Capital Assets, net of accumulated depreciation	-	3,333,335	-	102,964,899	60,480	3,845,854	110,204,569
Total assets	2,018,705	3,333,335	40,020	119,577,692	500,273	5,455,467	130,925,491
LIABILITIES							
Accounts payable	518,961	-	-	19,859	-	-	538,820
Interest payable	-	-	1,517,698	-	-	-	1,517,698
Long-term debt							
Bond issuance premium, net of amortization	-	-	5,089,677	-	-	-	5,089,677
Due within one year	-	-	4,475,000	-	-	-	4,475,000
Due in more than one year	-	-	74,065,000	-	-	-	74,065,000
Total liabilities	518,961	-	85,147,375	19,859	-	-	85,686,194
NET ASSETS							
Invested in capital assets, net of related debt	-	-	(79,154,677)	102,964,899	60,480	3,845,854	27,716,557
Unrestricted net assets	1,499,744	3,333,335	(5,952,678)	16,592,934	439,794	1,609,612	17,522,741
Total net assets	\$ 1,499,744	\$3,333,335	\$ (85,107,355)	\$ 119,557,833	\$ 500,274	\$5,455,466	\$45,239,297

LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
 SCHEDULE OF SUB FUND ACCOUNT ACTIVITY
 July 2019 through March 2020

	Operation & Maintenance	EBDA Capacity	2011 Debt Service	Repair and Replacement Reserve			Total
				Joint-use Replacement	Dual-use Replacement	Sole-use Replacement	
OPERATING REVENUES							
Service charges - DSRSD	\$ 1,002,289	\$ -	\$ 3,113,866	\$ 139,800	\$ -	\$ -	\$ 4,255,955
Service charges - City of Pleasanton	1,217,674	-	2,663,841	139,800	-	-	4,021,316
Service charges - City of Livermore	1,141,935	-	2,227,893	120,400	-	-	3,490,228
Total operating revenues	<u>3,361,898</u>		<u>8,005,600</u>	<u>400,000</u>	<u>-</u>	<u>-</u>	<u>11,767,498</u>
OPERATING EXPENSES							
Power	870,668	-	-	-	-	-	870,668
LAVWMA share of EBDA O&M - Fixed	556,216	-	-	-	-	-	556,216 (1)
LAVWMA share of EBDA O&M - Variable	108,402	-	-	-	-	-	108,402 (1)
Operations agreement	614,785	-	-	40,163	-	-	654,949
Professional services	177,641	-	-	-	-	-	177,641 (1)
Livermore sole use O&M	28,964	-	-	-	-	-	28,964
Insurance	20,000	-	-	-	-	-	20,000 (1)
Miscellaneous	337	-	22	2,977	81	296	3,712 (2)
Total operating expenses	<u>2,377,013</u>	<u>-</u>	<u>22</u>	<u>43,140</u>	<u>81</u>	<u>296</u>	<u>2,420,552</u>
Capital outlay				-			-
Total operating expenses and capital outlay	<u>2,377,013</u>	<u>-</u>	<u>22</u>	<u>43,140</u>	<u>81</u>	<u>296</u>	<u>2,420,552</u>
Operating income (loss)	<u>984,885</u>	<u>-</u>	<u>8,005,578</u>	<u>356,860</u>	<u>(81)</u>	<u>(296)</u>	<u>9,346,946</u>
NON-OPERATING REVENUES (EXPENSES)							
Amortization/Depreciation	-	-	-	-	-	-	-
Bond interest expense	-	-	(8,005,600)	-	-	-	(8,005,600)
Other Income	-	-	-	-	-	-	-
Interest income	20,147	-	5,228	174,002	4,724	17,290	221,391
Total non-operating revenues (expenses)	<u>20,147</u>	<u>-</u>	<u>(8,000,372)</u>	<u>174,002</u>	<u>4,724</u>	<u>17,290</u>	<u>(7,784,209)</u>
Changes in net assets	1,005,032		5,206	530,862	4,643	16,994	1,562,737
NET ASSETS							
Net assets, beginning of period	494,712	3,333,335	(85,112,560)	119,026,971	495,630	5,438,472	43,676,560
Prior Period adjustment							
Net assets, beginning of period restated	<u>494,712</u>	<u>3,333,335</u>	<u>(85,112,560)</u>	<u>119,026,971</u>	<u>495,630</u>	<u>5,438,472</u>	<u>43,676,560</u>
Net asset transfers							
Net assets, end of period	<u>\$ 1,499,744</u>	<u>\$ 3,333,335</u>	<u>\$ (85,107,355)</u>	<u>\$ 119,557,833</u>	<u>\$ 500,274</u>	<u>\$ 5,455,466</u>	<u>\$ 45,239,297</u>

(1) Total \$862,258.53. See details in General Management Expenses Listing.

(2) Bank fees.

LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
 Operations and Maintenance - Budget vs Actual
 July - March, 2019 & July - March, 2020

	FY 2019 Budget	YTD 2019 ⁽¹⁾ Actual	Variance	FY 2020 Budget	YTD 2020 ⁽¹⁾ Actual	Variance
OPERATING REVENUES						
Service charges - DSRSD	\$ 875,485	\$ 3,023,378	\$ 2,147,893	\$ 935,992	\$ 1,002,289	\$ 66,297
Service charges - City of Pleasanton	1,063,285	2,601,227	1,537,942	1,137,742	1,217,674	79,932
Service charges - City of Livermore	947,630	1,766,604	818,974	1,012,266	1,141,935	129,669
Total operating revenues	2,886,400	7,391,209 ⁽²⁾	4,504,809	3,086,000	3,361,898	275,898
OPERATING EXPENSES						
Power	1,100,000	531,445	(568,555)	1,200,000	870,668	(329,332)
LAVWMA share of EBDA O&M - Fixed	480,000	186,820	(293,180)	505,000	556,216 ⁽⁴⁾	51,216
LAVWMA share of EBDA O&M - Variable	152,000	62,228	(89,772)	145,000	108,402 ⁽⁴⁾	(36,598)
Operations agreement	860,200	438,527	(421,673)	921,000	614,785	(306,215)
Professional services	232,200	72,468	(159,732)	242,000	177,641 ⁽⁴⁾	(64,359)
Livermore sole use O&M	25,000	23,648	(1,352)	25,000	28,964	3,964
Insurance	32,000	50,000	18,000	40,500	20,000 ⁽⁴⁾	(20,500)
Permits	5,000	-	(5,000)	7,500	-	(7,500)
Miscellaneous	-	2,010	2,010	-	337	337
Total operating expenses	2,886,400	1,367,147	(1,519,253)	3,086,000	2,377,013	(708,987)
Unbilled expenses from DSRSD at 12/31		1,075,468 ⁽³⁾				
Capital outlay			-			-
Total operating expenses and capital outlay	2,886,400	2,442,615	(1,519,253)	3,086,000	2,377,013	(708,987)
Operating income (loss)	-	4,948,594	6,024,062	-	984,885	984,885
NON-OPERATING REVENUES (EXPENSES)						
Amortization/Depreciation	-	-	-	-	-	-
EBDA Debt	(412,000)	(68,238)	343,762	-	-	-
Interest income	-	17,077	17,077	-	20,147	20,147
Total non-operating revenues (expenses)	(412,000)	(51,161)	360,839	-	20,147	20,147
Net Income	\$ (412,000)	\$ 4,897,433	\$ 6,384,901	\$ -	\$ 1,005,032	\$ 1,005,032

(1) YTD 2019 is period July through March, 2019 and YTD 2020 is period July through March, 2020.

(2) Amount includes agencies advance payments for EBDA capacity purchase.

(3) Represents unbilled costs incurred by DSRSD. Will be reflected in next quarter's financial statements.

(4) Total \$862,258.53. See details in General Management Expenses Listing.

LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
 Treasurer's Report
 Portfolio Summary
 March 31, 2020

Investments	Par Value	Market Value	Book Value	% of Portfolio	Avg. Term	Avg. Days to Maturity	YTM
LAIF- Operating	\$ 18,054,868	\$ 18,054,868	\$ 18,054,868	100.00	1	1	1.79%
	\$ 18,054,868	\$ 18,054,868	\$ 18,054,868	100.00	1	1	1.79%

Average Daily Balance \$ 18,054,868
 Effective Rate of Return 1.79%

I certify that this report reflects all Government Agency pooled investments and is in conformity with the investment policy of Livermore-Amador Valley Water Management Agency.
 The investment program herein shown provides sufficient cash flow liquidity to meet the next six month's expenses.

Carol Atwood

5-13-2020

Carol Atwood, Treasurer

Date

Livermore-Amador Valley Water Management Agency

General Management Expenses Listing

July - March, 2020

Invoice Date	Vendor Name	Invoice#	Description	Check#	Date Paid	Total Amount
7/2/2019	EAST BAY DISCHARGERS AUTHORITY	3164	O&M ASSESSMENT - JULY 1, 2019 - 1ST QTR	101334	7/25/2019	\$176,303.05
7/12/2019	BARRETT BUSINESS SERVICES INC.	3117933	S. MONTAGUE: W/E 07/07/19	101237	7/18/2019	\$468.00
7/19/2019	BARRETT BUSINESS SERVICES INC.	3120404	S. MONTAGUE: W/E 07/14/19	101237	7/18/2019	\$390.00
7/26/2019	BARRETT BUSINESS SERVICES INC.	3121198	S. MONTAGUE: W/E 07/21/19	101459	8/1/2019	\$468.00
7/31/2019	JARVIS, FAY & GIBSON, LLP	13335	GENERAL COUNSEL SVCS - JULY 2019	101902	9/12/2019	\$2,730.00
8/2/2019	BARRETT BUSINESS SERVICES INC.	3121956	S. MONTAGUE: W/E 07/28/19	101606	8/22/2019	\$292.50
8/9/2019	BARRETT BUSINESS SERVICES INC.	3122677	S. MONTAGUE: W/E 08/4/19	101826	9/5/2019	\$468.00
8/13/2019	WEIR TECHNICAL SERVICES	LAVWMA_07-19	MANAGEMENT SERVICES - JULY 2019	101841	9/5/2019	\$6,681.20
8/16/2019	BARRETT BUSINESS SERVICES INC.	3123581	S. MONTAGUE: W/E 08/11/19	101606	8/22/2019	\$663.00
8/21/2019	MARCHAND, JOHN	082119	REGULAR BOARD MTG meeting ATTENDANCE - 08/21/19	102006	9/26/2019	\$50.00
8/21/2019	PENTIN, JERRY	082119	REGULAR BOARD MTG meeting ATTENDANCE - 08/21/19	102061	9/26/2019	\$50.00
8/21/2019	TESTA, JULIE	082119	REGULAR BOARD MTG meeting ATTENDANCE - 08/21/19	102068	9/26/2019	\$50.00
8/21/2019	WOERNER, BOB	082119	REGULAR BOARD MTG meeting ATTENDANCE - 08/21/19	102077	9/26/2019	\$50.00
8/31/2019	JARVIS, FAY & GIBSON, LLP	13431	GENERAL COUNSEL SVCS - AUG. 2019	102052	9/26/2019	\$9,870.00
9/3/2019	WEIR TECHNICAL SERVICES	LAVWMA_08-19	MANAGEMENT SERVICES - AUG 2019	102016	9/26/2019	\$10,022.18
9/27/2019	BARRETT BUSINESS SERVICES INC.	3128135	S. MONTAGUE: W/E 09/22/19	102079	10/3/2019	\$1,150.50
9/30/2019	JARVIS, FAY & GIBSON, LLP	13507	GENERAL COUNSEL SVCS - SEPT. 2019	102379	10/24/2019	\$8,711.50
9/30/2019	MAZE & ASSOCIATES	33498	LAVWMA AUDIT SVCS - JUNE 2019 (WORK IN SEPT.19)	102385	10/24/2019	\$5,084.00
10/1/2019	EAST BAY DISCHARGERS AUTHORITY	3176	O&M ASSESSMENT - OCTOBER 1, 2019 - 2ND QTR	102816	12/5/2019	\$176,303.05
10/3/2019	WEIR TECHNICAL SERVICES	LAVWMA_09-19	MANAGEMENT SERVICES - SEPT 2019	102435	10/24/2019	\$7,624.62
10/4/2019	BARRETT BUSINESS SERVICES INC.	3128823	S. MONTAGUE: W/E 09/29/19	102207	10/17/2019	\$877.50
10/11/2019	BARRETT BUSINESS SERVICES INC.	3129805	S. MONTAGUE: W/E 10/06/19	102207	10/17/2019	\$624.00
10/18/2019	BARRETT BUSINESS SERVICES INC.	3130298	S. MONTAGUE: W/E 10/13/19	102424	10/24/2019	\$819.00
10/25/2019	BARRETT BUSINESS SERVICES INC.	3131417	S. MONTAGUE: W/E 10/20/19	102479	10/31/2019	\$780.00
10/31/2019	JARVIS, FAY & GIBSON, LLP	13602	GENERAL COUNSEL SVCS - OCT. 2019	102739	11/27/2019	\$16,485.00
11/4/2019	WEIR TECHNICAL SERVICES	LAVWMA_10-19	MANAGEMENT SERVICES - OCT 2019	102720	11/27/2019	\$15,410.22
11/13/2019	BARRETT BUSINESS SERVICES INC.	3133408	S. MONTAGUE: W/E 11/10/19	103001	12/26/2019	\$1,380.00

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11/15/2019	BARRETT BUSINESS SERVICES INC.	3133317	S. MONTAGUE: W/E 11/10/19	102635	11/21/2019	\$468.00
11/20/2019	MARCHAND, JOHN	112019	REGULAR BOARD MTG	102835	12/12/2019	\$50.00
		meeting	ATTENDANCE - 11/20/2019			
11/20/2019	PENTIN, JERRY	112019	REGULAR BOARD MTG	102879	12/12/2019	\$50.00
		meeting	ATTENDANCE - 11/20/2019			
11/20/2019	TESTA, JULIE	112019	REGULAR BOARD MTG	102891	12/12/2019	\$50.00
		meeting	ATTENDANCE - 11/20/2019			
11/20/2019	WOERNER, BOB	112019	REGULAR BOARD MTG	102900	12/12/2019	\$50.00
		meeting	ATTENDANCE - 11/20/2019			
11/21/2019	SWRCB - ATTN: ACCT OFFICE	WD-0167158	FY 20 PERMIT (FAC ID 2 019129001)	102757	11/27/2019	\$20,000.00
11/22/2019	BARRETT BUSINESS SERVICES INC.	3134041	S. MONTAGUE: W/E 11/17/19	102828	12/12/2019	\$1,267.50
11/25/2019	U.S. BANK EQUIPMENT FINANCE	5560251	TRUSTEE FEE 11/01/19 - 10/31/20 (2011 SWR BOND)	103133	1/9/2020	\$920.00
11/27/2019	MAZE & ASSOCIATES	33875	LAVWMA AUDIT SVCS - JUNE 2019 (WORK IN NOV.19)	102943	12/19/2019	\$847.00
11/30/2019	JARVIS, FAY & GIBSON, LLP	13685	GENERAL COUNSEL SVCS - NOV. 2019	102983	12/26/2019	\$7,385.00
11/30/2019	WEIR TECHNICAL SERVICES	LAVWMA_11-19	MANAGEMENT SERVICES - NOV. 2019	103015	12/26/2019	\$8,408.10
12/1/2019	COMPUTER COURAGE INC.	43300	LAVWMA WEBSITE UPGRADE - NOVEMBER 2019	102976	12/26/2019	\$461.70
12/1/2019	COMPUTER COURAGE INC.	43326	LAVWMA WEBSITE UPGRADE - OCTOBER 2019	102976	12/26/2019	\$261.90
12/13/2019	BARRETT BUSINESS SERVICES INC.	3136317	S. MONTAGUE: W/E 12/08/19	103054	1/2/2020	\$858.00
12/20/2019	BARRETT BUSINESS SERVICES INC.	3137027	S. MONTAGUE: W/E 12/15/19	103151	1/9/2020	\$780.00
12/27/2019	BARRETT BUSINESS SERVICES INC.	3137687	S. MONTAGUE: W/E 12/22/19	103225	1/16/2020	\$780.00
12/31/2019	JARVIS, FAY & GIBSON, LLP	13759	GENERAL COUNSEL SVCS - DEC. 2019	103340	1/30/2020	\$1,260.00
1/2/2020	EAST BAY DISCHARGERS AUTHORITY	3191	O&M ASSESSMENT - JANUARY 1, 2020 - 3RD QTR	103291	1/23/2020	\$176,303.05
1/10/2020	BARRETT BUSINESS SERVICES INC.	3138786	S. MONTAGUE: W/E 01/05/20	103303	1/30/2020	\$234.00
1/17/2020	BARRETT BUSINESS SERVICES INC.	3139570	S. MONTAGUE: W/E 01/12/20	103432	2/13/2020	\$468.00
1/23/2020	WEIR TECHNICAL SERVICES	LAVWMA_12-19	MANAGEMENT SERVICES - DEC. 2019	103316	1/30/2020	\$7,011.80
1/24/2020	BARRETT BUSINESS SERVICES INC.	3140011	S. MONTAGUE: W/E 01/19/20	103432	2/13/2020	\$780.00
1/31/2020	JARVIS, FAY & GIBSON, LLP	13858	GENERAL COUNSEL SVCS - JAN. 2020	103636	2/27/2020	\$3,605.00
1/31/2020	BARRETT BUSINESS SERVICES INC.	3141032	S. MONTAGUE: W/E 01/26/20	103514	2/20/2020	\$702.00
1/31/2020	MAZE & ASSOCIATES	34192	LAVWMA AUDIT SVCS - JUNE 2019 (WORK IN JAN. 20)	103562	2/20/2020	\$1,000.00
2/1/2020	COMPUTER COURAGE INC.	43765	LAVWMA WEBSITE UPGRADE - DEC. 2019 - JAN. 2020	103624	2/27/2020	\$2,133.00
2/4/2020	WEIR TECHNICAL SERVICES	LAVWMA_01-20	MANAGEMENT SERVICES - JAN. 2020	103606	2/27/2020	\$8,245.29
2/7/2020	BARRETT BUSINESS SERVICES INC.	3141274	S. MONTAGUE: W/E 02/02/20	103597	2/27/2020	\$643.50
2/14/2020	BARRETT BUSINESS SERVICES INC.	3141930	S. MONTAGUE: W/E 02/09/20	103666	3/5/2020	\$780.00
2/21/2020	BARRETT BUSINESS SERVICES INC.	3142584	S. MONTAGUE: W/E 02/16/2020	103722	3/12/2020	\$1,150.50

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2/21/2020	EAST BAY DISCHARGERS AUTHORITY	3193	OPEB AND CALPERS PENSION UAL LUMP SUM	103779	3/19/2020	\$135,708.62
2/28/2020	BARRETT BUSINESS SERVICES INC.	3143217	S. MONTAGUE: W/E 02/23/20	103777	3/19/2020	\$604.50
2/29/2020	JARVIS, FAY & GIBSON, LLP	13943	GENERAL COUNSEL SVCS - FEB. 2020	103893	3/26/2020	\$8,547.15
3/1/2020	WEIR TECHNICAL SERVICES	LAVWMA _02-20	MANAGEMENT SERVICES - FEB. 2020	103957	3/26/2020	\$12,478.30
3/1/2020	COMPUTER COURAGE INC.	44125	LAVWMA WEBSITE UPGRADE - FEB. 2020	103869	3/26/2020	\$1,036.80
3/6/2020	BARRETT BUSINESS SERVICES INC.	3143837	S. MONTAGUE: W/E 03/01/20	103945	3/26/2020	\$624.00
3/13/2020	BARRETT BUSINESS SERVICES INC.	3144456	S. MONTAGUE: W/E 03/08/20	103945	3/26/2020	\$702.00
3/20/2020	BARRETT BUSINESS SERVICES INC.	3145201	S. MONTAGUE: W/E 03/15/2020	103961	4/9/2020	\$702.00

\$851,162.03

Expenses from journal entry and payroll:

Postage/Materials (credit for SDRMA Risk Mgmt Settlement)	(\$449.96)
DSRSD Board Members	\$200.00
Admin Support	\$3,243.16
Accounting	\$8,103.30
	<u>\$11,096.50</u>

TOTAL: \$862,258.53

ITEM NO. 9 LAVWMA QUARTERLY REPORTS OF OPERATIONS, 3rd QUARTER, FY 2019-2020

Action Requested

None at this time.

Summary

LAVWMA's Quarterly Report of Operations for the 3rd Quarter, FY 2019-2020 is attached for the Board's review. These quarterly reports are prepared by DSRSD staff and summarize all LAVWMA operations and maintenance activity for each quarter. Jeff Carson, DSRSD Operations Manager, will be available to answer any questions from the Board. Please note that the report continues to be improved and now includes a Table of Contents, graphs for Quarter at a Glance, and an Executive Summary. The graphs show Flows and Pumping Efficiency, Energy Consumption, Budget Variance, and Work Order History. Per the Board's request, the Executive Summary includes a section for Items of Interest. Total expenses are running at 82% of the year to date budget. This season's rainfall has been less than normal.

Recommendation

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

Attachment

LAVWMA's Quarterly Report of Operations for the 3rd Quarter, FY2019-2020.

LAVWMA

QUARTERLY REPORT OF OPERATIONS

3rd Quarter, FY 2019-2020



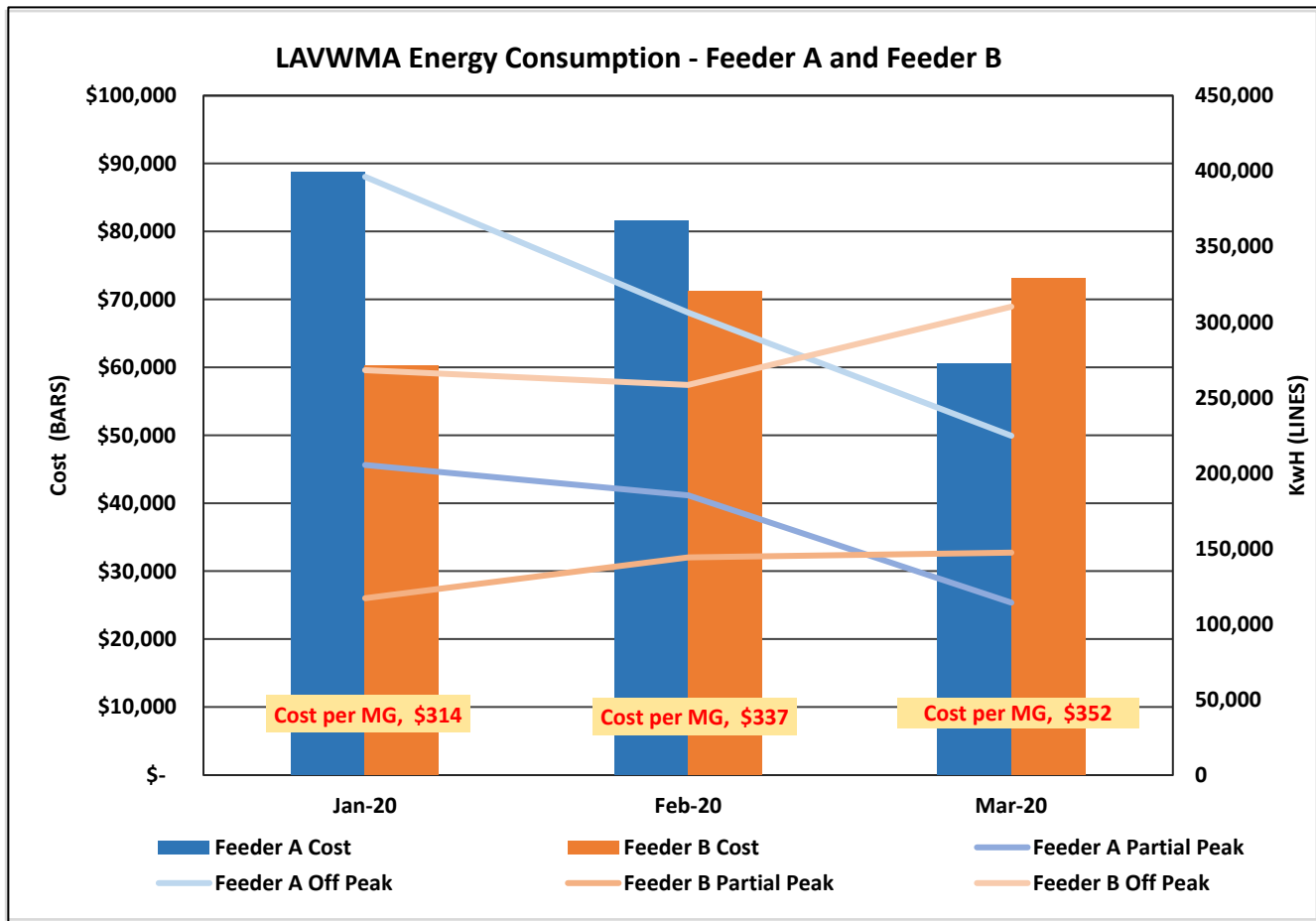
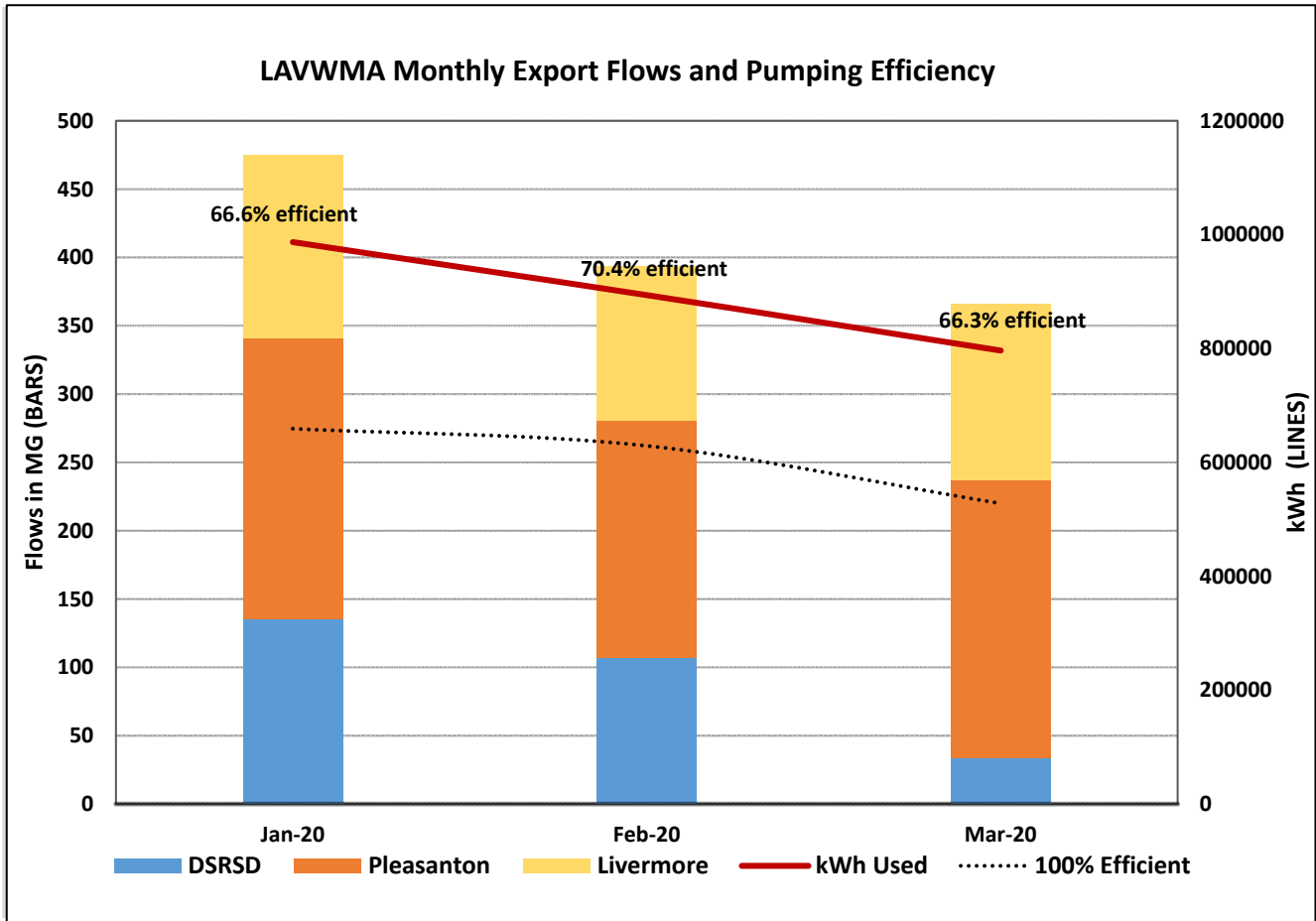
**Dublin San Ramon
Services District**

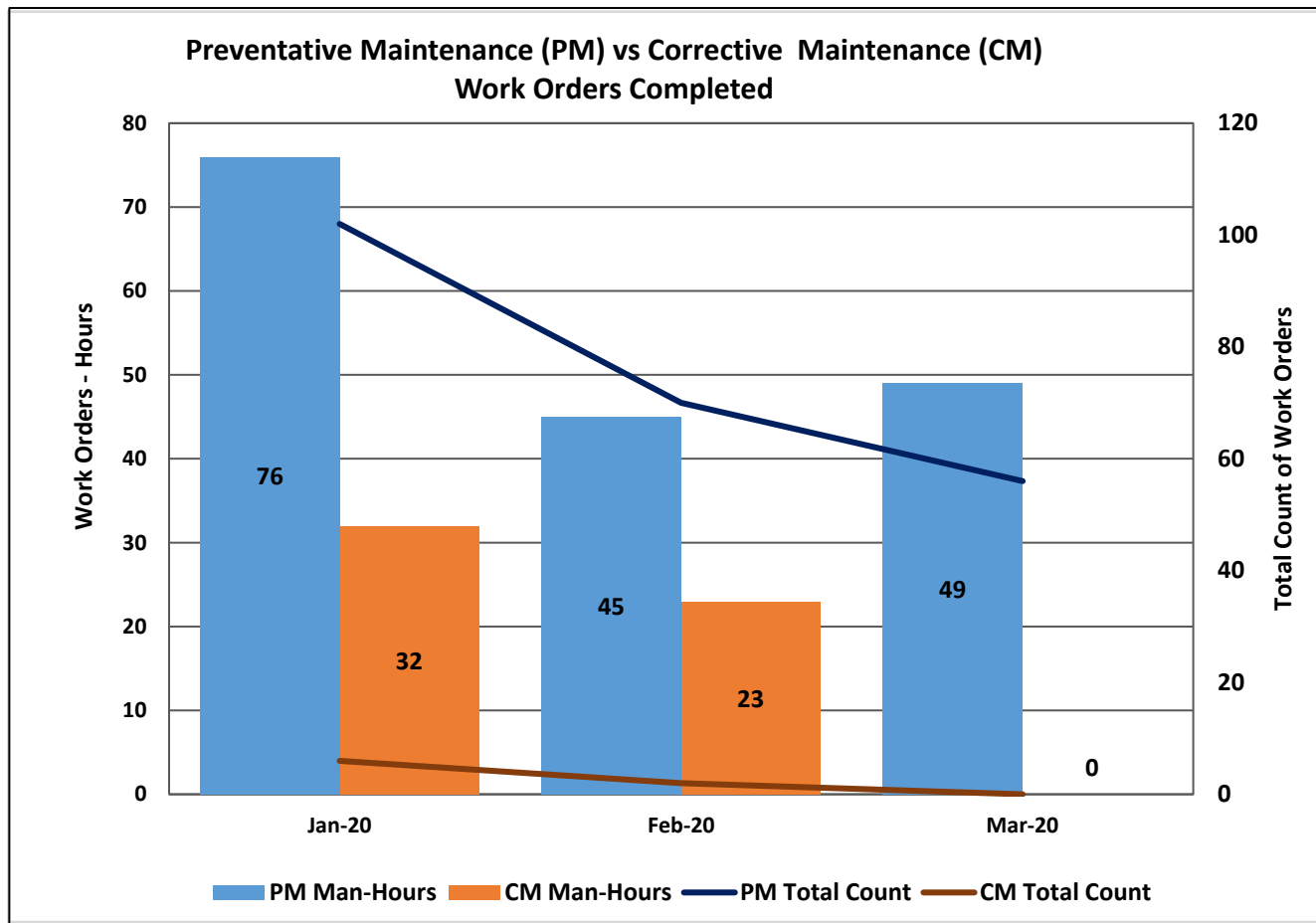
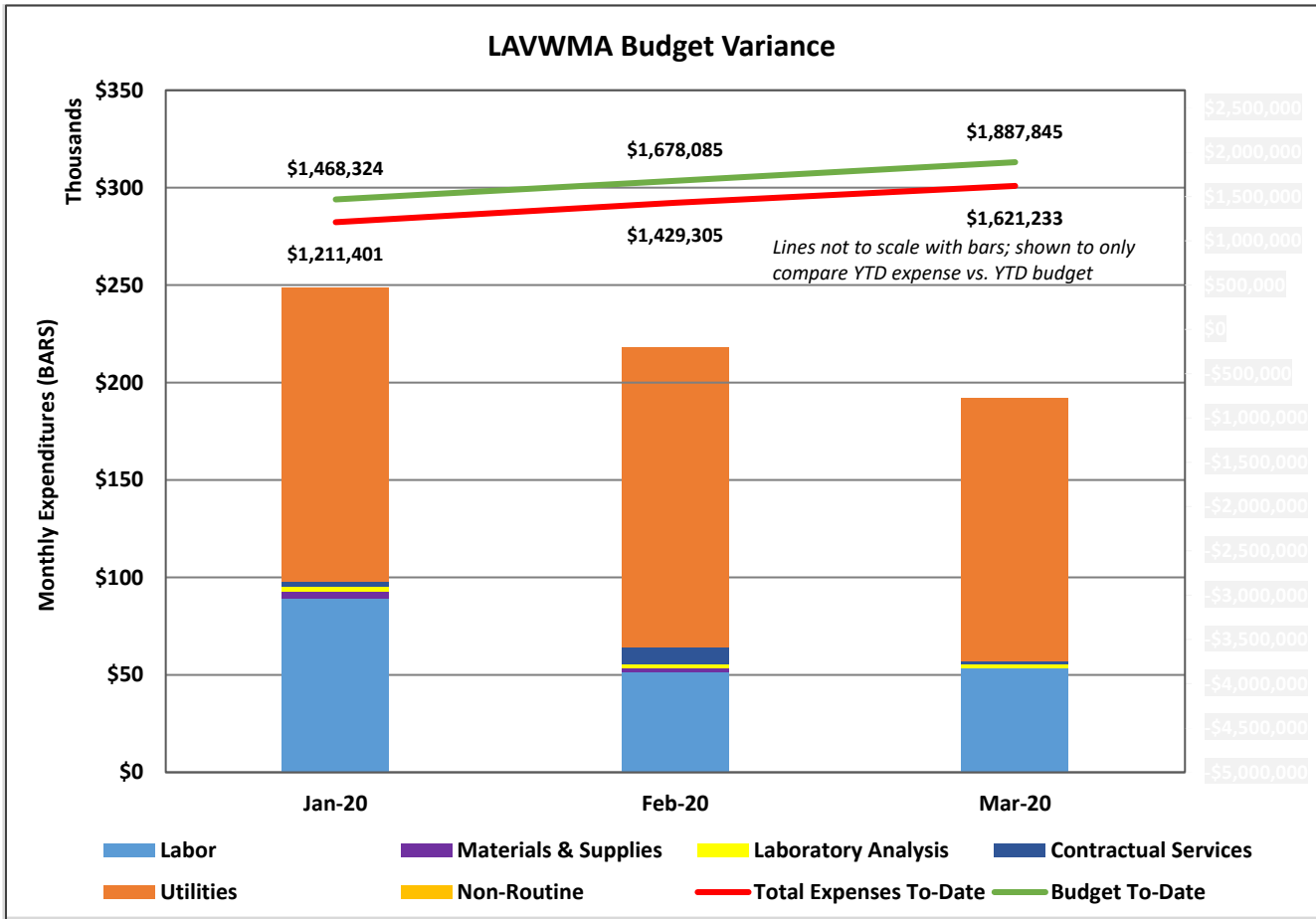
Water, wastewater, recycled water

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QUARTERLY REPORT OF OPERATIONS
LAVWMA PUMPING AND CONVEYANCE SYSTEM
3rd Quarter FY 2019-2020: January to March 2020

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QUARTERLY REPORT OF OPERATIONS
LAVWMA PUMPING AND CONVEYANCE SYSTEM
3rd Quarter FY 2019-2020: January to March 2020

1. EXECUTIVE SUMMARY

The Livermore-Amador Valley Water Management Agency (LAVWMA) pumping and effluent conveyance system operated normally during the third quarter of FY 2019-2020. During the quarter, a total of 1,076 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 68%, with an average electrical cost of \$335 per million gallons, or \$109 per acre-foot.

Total year-to-date operations and maintenance (O&M) expenses is \$1,621,233 or 64.4% of the O&M annual budget amount of \$2,517,127 and the running overall cost of operation is \$580 per million gallons pumped or \$189 per acre-foot.

2. OPERATIONS

Monthly reports sent to EBDA which detail daily export flows and monitoring analysis of the treated effluent during the quarter are shown on Tables 9, 10, and 11.

3. MAINTENANCE

During the quarter, 170 hours were spent on preventative maintenance (PM) work orders and 55 hours on corrective maintenance (CM) work orders on LAVWMA equipment and systems. The following are some noteworthy maintenance activities during the quarter:

- Pumps #9 and #8 developed vibration issues and underwent analysis during the first quarter and no major issues were identified initially. More intrusive testing was done in the second quarter where pump #8 was found to have no major problems and pump #9 was shut down once during the extended testing but with inconclusive data. Both pumps continued to be monitored for vibration issues throughout the third quarter and all testing is now completed. Both pumps are back in normal rotation with no operational problems.
- Three original pumps #6, #8 and #10 were removed and replaced with new pumps in 2018. The three pumps removed will be rebuilt and used to replace the next three pumps that have the most wear. This process of rebuilding pumps to be used as replacement will continue until all pumps have been rebuilt. Staff solicited quotes for rebuild and for high efficiency modification of the three pumps and are waiting for one more vendor to submit quote. Staff expects to select a vendor at the end of April and work to begin immediately.
- Insurance item: Cathodic protection equipment for rectifier panel P-6 and panel P-7 were damaged by vehicular accident during last quarter on September 13, 2019. The area has been safely fenced off and is currently under repair. The two rectifier panels were located side by side and were consolidated into one panel recently. Since both panels were damaged, only one rectifier panel needed to be fabricated. The junction boxes and rectifier panel have been shipped. Installation

of the equipment will be scheduled once the contractor receives the boxes and panel. Insurance will cover the full repair cost except for the deductible of \$500 which may also be covered if the insurance company is successful in collecting damages from the driver's insurance company.

- Cathodic pre-inspection has been completed and Corrpro has been contracted to complete testing on all cathodic systems. The draft survey report has been reviewed and proposals received for the recommended repairs and additional testing. A total of 11 items have been recommended for updating and/or adding to the cathodic protection system. The estimated cost is \$185,000 which requires an informal bidding process.
- The electrical team has started panel fabrication for replacing the existing vibration monitoring system. Installation of the new panel and the change-out of existing sensors will take place in late spring.
- A new LED lighting fixture was added to the LAVWMA Junction Structure outfall.
- The exterior potable water hose bibs were removed from the LAVWMA pump station allowing only recycled water use at the station. Barbed wire was installed at the SLSS entry gates and the potable water hose bib was made tamper proof.

4. **CAPITAL OUTLAY**

As part of the power monitoring system upgrade project for DSRSD's wastewater treatment facility and DERWA's water recycling plant, DSRSD electrical staff is upgrading the hardware at the LAVWMA pump station and integrating the data into the server software for the treatment facility. This project is scheduled to be completed in the fourth quarter.

5. **BUDGET VARIANCE AND EXPENSES**

Third quarter labor expenses totaled \$193,761 for 1,239 man-hours of effort, an average of 2.4 full time equivalents (FTEs). To date, labor expenses utilized 58.4% of the total annual budgeted labor amount.

For the quarter, the total O&M expenses including labor, supplies, laboratory analysis, contractual services, and utilities totaled \$658,523, for an average cost of \$533 per million gallons pumped or \$174 per acre-foot. The total expense for the Livermore sole use pipeline for the quarter was \$4,695.

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

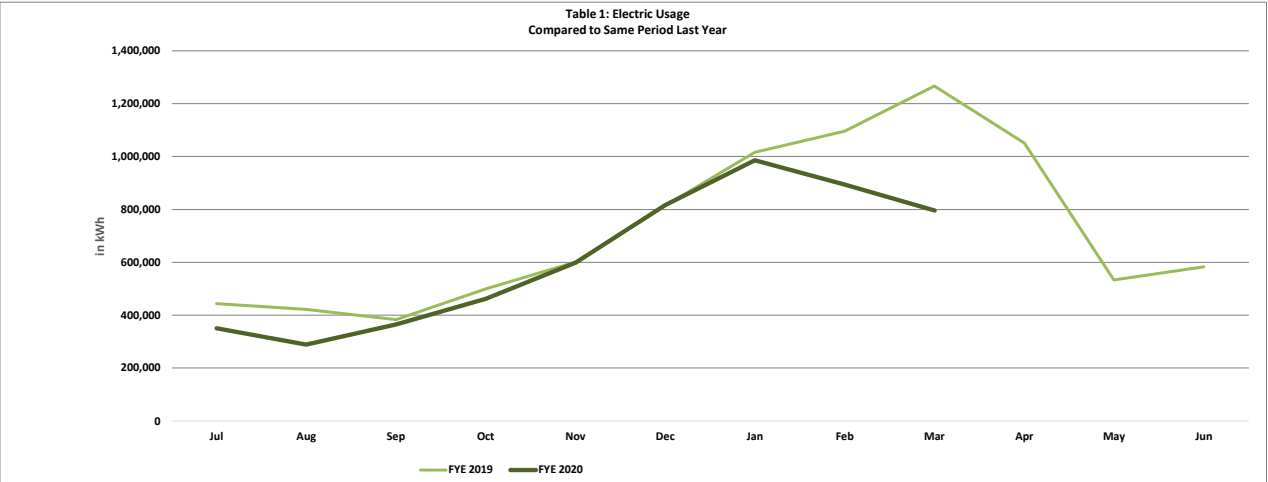
6. **ITEMS OF INTEREST**

DSRSD continues to run operations for the LAVWMA system under the COVID-19 State and County orders. Staff continues involvement with the current capital project schedules and has suspended the special wet weather Alamo Canal bypass test due to the situation. The pipeline survey is also off schedule due to the social distancing requirements of the County; however, staff continues to be involved with the discussions for identifying key survey locations.

TABLE 1 - Electric Usage, Efficiency and Costs

LAVWMA SYSTEM: Fiscal Year 2019-2020, 3rd Quarter

Month	PG&E Service Accounts: Rate Schedule E20S													Total Export Flow ¹	Pumping				
	Acct # 8482061923-1					Acct # 8440395259-5					Billing Days	Total			Cost				
	Service A		Service B			Service A		Service B				kWh	\$/kWh		\$	MG	kWh/MG	\$/MG	\$/AF
kWh	Peak	Partial Peak	Off Peak	\$	kWh	Peak	Partial Peak	Off Peak	\$										
Jul-19	166,497	0	0	166,497	\$30,462	184,195	1,515	1,798	180,882	\$31,431	32	350,692	\$0.18	\$61,893	168	2,090	\$369	\$120	66.5%
Aug-19	178,837	0	0	178,837	\$31,331	110,904	1,658	2,029	107,217	\$21,515	30	289,741	\$0.18	\$52,846	126	2,304	\$420	\$137	60.3%
Sep-19	193,450	0	0	193,450	\$32,494	172,093	1,738	2,152	168,203	\$27,331	32	365,543	\$0.16	\$59,825	171	2,135	\$349	\$114	65.1%
Oct-19	201,037	0	0	201,037	\$37,264	260,956	1,692	2,228	257,036	\$47,263	29	461,993	\$0.18	\$84,527	228	2,028	\$371	\$121	68.6%
Nov-19	309,348	0	42,986	266,362	\$54,475	288,830	918	46,856	241,056	\$48,621	30	598,178	\$0.17	\$103,096	271	2,205	\$380	\$124	63.1%
Dec-19	559,331	0	195,128	364,203	\$86,709	256,514	0	88,605	167,909	\$51,674	29	815,845	\$0.17	\$138,382	373	2,185	\$371	\$121	63.6%
Jan-20	601,572	0	205,322	396,250	\$88,763	385,248	0	117,125	268,123	\$60,170	32	986,820	\$0.15	\$148,933	474	2,082	\$314	\$102	66.8%
Feb-20	491,518	0	185,217	306,301	\$81,570	402,379	0	144,046	258,333	\$71,130	30	893,897	\$0.17	\$152,700	453	1,975	\$337	\$110	70.4%
Mar-20	338,861	0	114,203	224,658	\$60,536	457,487	0	147,301	310,186	\$144,225	32	796,348	\$0.26	\$204,761	380	2,098	\$539	\$176	66.3%
Apr-20																			
May-20																			
Jun-20																			
Quarter																			
Average	477,317				\$76,956	415,038				\$91,842	31	892,355	\$0.19	\$168,798	435	2,052	\$397	\$129	67.8%
Total	1,431,951				\$230,869	1,245,114				\$275,525	94	2,677,065		\$506,394	1,306	6,155			
Minimum	338,861				\$60,536	385,248				\$60,170	30	796,348	\$0.15	\$148,933	380	1,975	\$314	\$102	66.3%
Maximum	601,572				\$88,763	457,487				\$144,225	32	986,820	\$0.26	\$204,761	474	2,098	\$539	\$176	70.4%
YTD																			
Average	337,828				\$55,956	279,845				\$55,929	31	617,673	\$0.18	\$111,885	294	2,123	\$383	\$125	65.6%
Total	3,040,451				\$503,603	2,518,606				\$503,359	276	5,559,057		\$1,006,962	2,643	19,103			
Minimum	166,497				\$30,462	110,904				\$21,515	29	289,741	\$0.15	\$52,846	126	1,975	\$314	\$102	60.3%
Maximum	601,572				\$88,763	457,487				\$144,225	32	986,820	\$0.26	\$204,761	474	2,304	\$539	\$176	70.4%



NOTES:
 1) To calculate pumping efficiency, read dates, electric usage, and export flows are **matched to PG&E billing periods**: January 12/13/19 - 1/13/20; February 1/14/20 - 2/12/19; March 2/13/20 - 3/15/20.
 2) PG&E statement for Feeder B for February (2/13/20 - 3/15/30) for \$71,129 not received and processed for payment until 4/8/20; this expense will show in April A/P recap (4th quarter) but for the purpose of this report, this amount will be included in February expenses so that it is accurately included in 3rd quarter report as it should be.
 2) 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 2019-2020, 3rd Quarter

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-19	79	0	0	155	73	135	106	0	32	141	720	9.7%
Aug-19	35	40	111	69	119	135	158	4	30	107	807	10.8%
Sep-19	55	224	44	37	127	37	176	262	1	29	991	13.8%
Oct-19	116	178	147	167	61	102	257	157	2	100	1,287	17.3%
Nov-19	319	7	108	167	260	124	171	20	276	280	1,732	24.1%
Dec-19	352	72	408	146	331	328	160	175	300	156	2,427	32.6%
Jan-20	239	216	105	378	261	200	175	194	188	358	2,314	31.1%
Feb-20	56	325	77	290	77	292	91	275	90	287	1,861	26.7%
Mar-20	215	106	135	422	5	241	275	253	285	70	2,008	27.0%
Apr-20												
May-20												
Jun-20												
Quarter												
Average	170	216	106	364	114	245	181	241	188	238	2,061	28.3%
Total	509	647	317	1,091	343	734	542	722	563	715	6,182	
Minimum	56	106	77	290	5	200	91	194	90	70	1,861	26.7%
Maximum	239	325	135	422	261	292	275	275	285	358	2,314	31.1%
YTD												
Average	163	130	126	203	146	177	174	149	134	170	1,572	21.5%
Total	1,465	1,168	1,135	1,831	1,315	1,593	1,569	1,340	1,203	1,527	14,146	
Minimum	35	0	0	37	5	37	91	0	1	29	720	9.7%
Maximum	352	325	408	422	331	328	275	275	300	358	2,427	32.6%

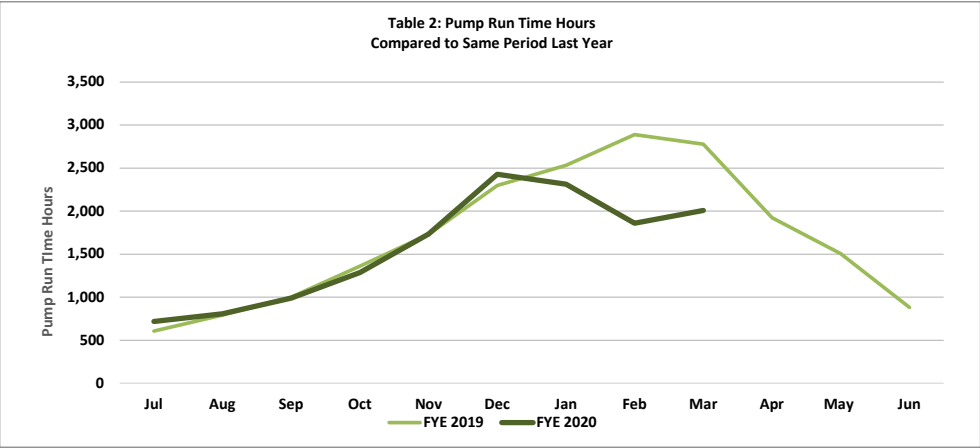
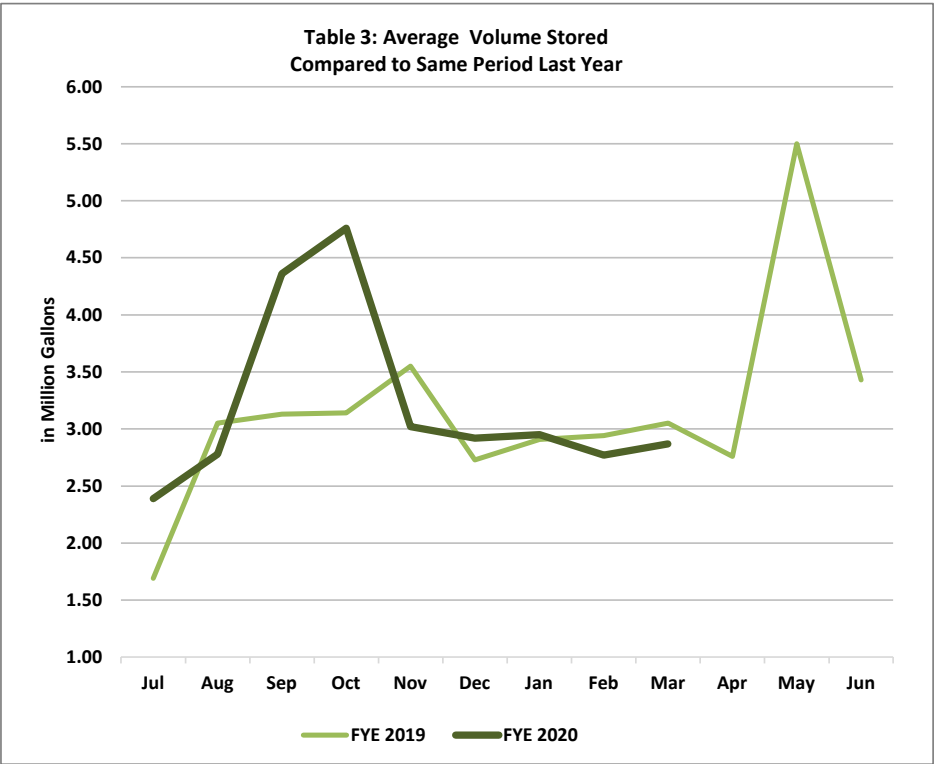


TABLE 3 - Monthly Average Storage Basin Levels and Volume

LAVWMA SYSTEM: Fiscal Year 2019-2020, 3rd Quarter

Month	Average Daily Volume			Average Volume Stored MG	Average Storage Available MG	Storage Basin Utilization %
	Basin No. 1	Basin No. 2	Basin No. 3			
	Feet	Feet	Feet			
Jul-19	2.51	0.14	2.22	2.39	18	13.3%
Aug-19	2.88	0.06	2.50	2.78	18	15.4%
Sep-19	4.18	0.33	4.03	4.36	18	24.2%
Oct-19	3.50	0.05	5.87	4.76	18	26.4%
Nov-19	1.88	1.07	2.89	3.02	18	16.8%
Dec-19	2.61	1.48	1.70	2.92	18	16.2%
Jan-20	2.54	0.10	3.17	2.95	18	16.4%
Feb-20	2.48	0.06	2.93	2.77	18	15.4%
Mar-20	2.80	0.08	2.93	2.87	18	15.9%
Apr-20						
May-20						
Jun-20						
Quarter						
Average	2.61	0.08	3.01	2.86		0.16
Minimum	2.48	0.06	2.93	2.77		0.15
Maximum	2.80	0.10	3.17	2.95		0.16
YTD						
Average	2.82	0.37	3.14	3.20		17.8%
Minimum	1.88	0.05	1.70	2.39		13.3%
Maximum	4.18	1.48	5.87	4.76		26.4%

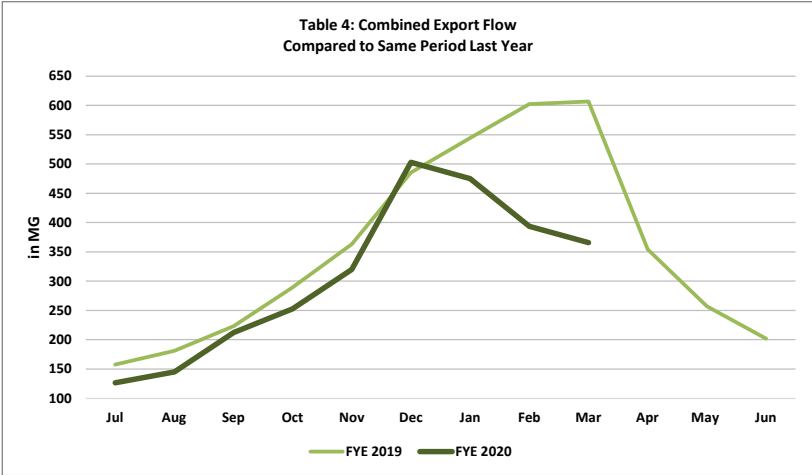


Note: Total available storage volume is 18 million gallons.

TABLE 4 - Monthly Export Flow

LAVWMA SYSTEM: Fiscal Year 2019-2020, 3rd Quarter

Month	Dublin	San Ramon	Pleasanton	Livermore	Combined Export	Total for Quarter
	Flow * MG	Flow * MG	Flow * MG	Flow * MG	Flow * MG	
Jul-19	0	44	83	127		
Aug-19	0	53	92	145		
Sep-19	10	108	94	212		484
Oct-19	25	124	104	253		
Nov-19	41	168	111	320		
Dec-19	149	216	138	503		1,076
Jan-20	135	206	134	475		
Feb-20	107	173	113	394		
Mar-20	34	203	129	366		1,235
Apr-20						
May-20						
Jun-20						0
Quarter						
Total	276	582	376	1,235		
Average	92	194	125	412		
Minimum	34	173	113	366		
Maximum	135	206	134	475		
YTD						
Total	501	1294	999	2,794		
Average	56	144	111	310		
Minimum	0	44	83	127		
Maximum	149	216	138	503		



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

TABLE 5 - Labor Effort, Expenditures, and Budget Utilization

LAVWMA SYSTEM: Fiscal Year 2019-2020, 3rd Quarter

FY Labor Budget \$983,447

Month	Billed	FTE Equiv	Labor Invoice	YTD	Budget Utilization	Labor	Export Flow	
	Labor Hours			Labor Budget		Labor Budget	MG	AF
Jul-19	445.3	2.6	\$75,211	\$81,954	91.8%	\$908,236	127	389
Aug-19	327.8	1.9	\$53,857	\$163,908	78.7%	\$854,379	145	445
Sep-19	381.8	2.2	\$64,097	\$245,862	78.6%	\$790,282	212	650
Oct-19	497.3	2.9	\$79,111	\$327,816	83.1%	\$711,171	253	776
Nov-19	376.5	2.2	\$61,707	\$409,770	81.5%	\$649,465	320	982
Dec-19	322.3	1.9	\$46,667	\$491,724	77.4%	\$602,798	503	1,544
Jan-20	568.0	3.3	\$89,173	\$573,677	81.9%	\$513,625	475	1,458
Feb-20	322.5	1.9	\$51,307	\$655,631	79.5%	\$462,318	394	1,208
Mar-20	348.0	2.0	\$53,282	\$737,585	77.9%	\$409,036	366	1,123
Apr-20								
May-20								
Jun-20								
<u>QUARTER</u>								
Total	1,238.5		\$193,761				1,235	3,789
Average	412.8	2.4	\$64,587				412	1,263
Minimum	322.5	1.9	\$51,307				366	1,123
Maximum	568.0	3.3	\$89,173				475	1,458
<u>YTD</u>								
Total YTD	3,589.3		\$574,411		58.4%	\$409,036	2,794	8,575
Average YTD	398.8	2.3	\$63,823				310	953
Minimum	322.3	1.9	\$46,667				127	389
Maximum	568.0	3.3	\$89,173				503	1,544

TABLE 6 - O&M Expenditures and Budget Utilization

LAVWMA SYSTEM: Fiscal Year 2019-2020, 3rd Quarter

Total O&M Budget: \$2,517,127

Month	Labor Expenses	A/P Expenses	Total O&M Expenses	YTD O&M Budget	Budget Utilization	O&M Budget Remaining	Overall O&M Cost		Export Flow	
							\$/MG	\$/AF	MG	AF
Jul-19	\$75,211	\$80,995	\$156,206	\$209,761	74.5%	\$2,360,921	\$1,233	\$402	127	389
Aug-19	\$53,857	\$63,031	\$116,889	\$419,521	65.1%	\$2,244,032	\$806	\$263	145	445
Sep-19	\$64,097	\$90,398	\$154,494	\$629,282	67.9%	\$2,089,538	\$729	\$238	212	650
Oct-19	\$79,111	\$91,145	\$170,256	\$839,042	71.3%	\$1,919,282	\$674	\$220	253	776
Nov-19	\$61,707	\$112,067	\$173,774	\$1,048,803	73.6%	\$1,745,508	\$543	\$177	320	982
Dec-19	\$46,667	\$144,424	\$191,091	\$1,258,564	76.5%	\$1,554,418	\$380	\$124	503	1,544
Jan-20	\$89,173	\$159,519	\$248,691	\$1,468,324	82.5%	\$1,305,726	\$523	\$171	475	1,458
Feb-20	\$51,307	\$166,597*	\$217,904	\$1,678,085	85.2%	\$1,087,822	\$554	\$180	394	1,208
Mar-20	\$53,282	\$138,646	\$191,928	\$1,887,845	85.9%	\$895,894	\$525	\$171	366	1,123
Apr-20										
May-20										
Jun-20										
*Note:										
QUARTER										
Total	\$193,761	\$464,762	\$658,523				\$533	\$174	1,235	3,789
Average	\$64,587	\$154,921	\$219,508						412	1,263
Minimum	\$51,307	\$138,646	\$191,928				\$523	\$171	366	1,123
Maximum	\$89,173	\$166,597	\$248,691				\$554	\$180	475	1,458
YTD										
Total YTD	\$574,411	\$1,046,822	\$1,621,233		64.4%	\$895,894	\$580	\$189	2,794	8,575
Average YTD	\$63,823	\$116,314	\$180,137							
Minimum	\$46,667	\$63,031	\$116,889				\$380	\$124	127	389
Maximum	\$89,173	\$166,597	\$248,691				\$1,233	\$402	503	1,544

*Note: PG&E statement for Feeder B for February (2/13/20 - 3/15/30) for \$71,129 not received and processed for payment until 4/8/20; this expense will show in April A/P recap (4th quarter) but for the purpose of this report, this amount will be included in February expenses so that it is accurately included in 3rd quarter report as it should be.

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

LAVWMA SYSTEM: Fiscal Year 2019-2020, 3rd Quarter

Livermore Sole Use Facilities			
Month	Labor Expenses	A/P Expenses	Total Expenses
Jul-19	\$636	\$195	\$831
Aug-19	\$0	\$227	\$227
Sep-19	\$5,919	\$0	\$5,919
Oct-19	\$0	\$210	\$210
Nov-19	\$0	\$3,118	\$3,118
Dec-19	\$0	\$249	\$249
Jan-20	\$3,820	\$220	\$4,040
Feb-20	\$0	\$1,405	\$1,405
Mar-20	\$875	\$196	\$1,071
Apr-20			
May-20			
Jun-20			
<u>Quarter</u>			
Total	\$4,695	\$1,821	\$6,516
Average	\$1,565	\$607	\$2,172
Minimum	\$0	\$196	\$1,071
Maximum	\$3,820	\$1,405	\$4,040
<u>YTD</u>			
YTD Total	\$11,250	\$5,820	\$17,070
YTD Average	\$1,250	\$647	\$1,897
YTD Minimum	\$0	\$0	\$210
YTD Maximum	\$5,919	\$3,118	\$9,037

LAVWMA FY 2019-2020 BUDGET COMPARISON TO ACTUAL EXPENSES

Current FY Period: 9

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 2019-2020	2019	2019	2019	2019	2019	2019	2020	2020	2020	2020	2020	2020	TOTAL	Budget
Staff	\$983,447	\$75,211	\$53,857	\$64,097	\$79,111	\$61,707	\$46,667	\$89,173	\$51,307	\$53,282				\$574,411	\$737,585
Subtotal	\$983,447	\$75,211	\$53,857	\$64,097	\$79,111	\$61,707	\$46,667	\$89,173	\$51,307	\$53,282	\$0	\$0	\$0	\$574,411	\$737,585
Operations Supplies	\$12,200	\$0	\$17	\$9	\$106	\$33	\$147	\$9	\$9	\$9				\$339	\$9,150
Mechanical Supplies	\$25,000	\$252	\$20	\$1,410	\$837	\$19	\$703	\$1,919	\$0	\$0				\$5,159	\$18,750
Electrical Supplies	\$25,500	\$45	\$287	\$11,754	\$1,181	\$1,503	\$483	\$1,544	\$2,082	\$52				\$18,930	\$19,125
Subtotal	\$62,700	\$297	\$324	\$13,172	\$2,124	\$1,555	\$1,332	\$3,472	\$2,091	\$61	\$0	\$0	\$0	\$24,428	\$47,025
Compliance Testing	\$11,300	\$890	\$712	\$712	\$890	\$712	\$712	\$890	\$712	\$712				\$6,942	\$8,475
Operational Support Testing	\$4,000	\$330	\$330	\$330	\$330	\$330	\$330	\$330	\$330	\$330				\$2,970	\$3,000
Special Sampling	\$15,000	\$1,156	\$1,445	\$1,445	\$1,445	\$1,156	\$1,445	\$1,156	\$1,156	\$1,156				\$11,560	\$11,250
Subtotal	\$30,300	\$2,376	\$2,487	\$2,487	\$2,665	\$2,198	\$2,487	\$2,376	\$2,198	\$2,198	\$0	\$0	\$0	\$21,472	\$22,725
Sub-surface Repairs	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$3,750
Street Sweeping	\$5,000	\$0	\$788	\$743	\$394	\$394	\$493	\$394	\$0	\$0				\$3,205	\$3,750
Cathodic Protection Survey & Repairs	\$30,000	\$0	\$0	\$0	\$0	\$12,635	\$0	\$0	\$5,415	\$0				\$18,050	\$22,500
Underground Service Alert	\$3,800	\$4,948	\$3,031	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$7,979	\$2,850
SCADA software maintenance contract	\$10,000	\$0	\$0	\$10,051	\$0	\$0	\$0	\$0	\$0	\$0				\$10,051	\$7,500
Rectifier monitoring (5 yr contract, FY22 \$40K)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$0
Med voltage switchgear 3-yr PM (FY22, \$18k)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$0
Arc Flash Study 5-yr (FY24, \$20k)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$0
Motor rehab	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$0
HVAC Maintenance/Repairs	\$750	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$563
Termite/Pest Control	\$900	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$675
Landscape/weed maintenance	\$8,000	\$0	\$980	\$1,960	\$0	\$0	\$0	\$1,960	\$2,453	\$394				\$7,748	\$6,000
Janitorial Service	\$3,000	\$0	\$990	\$495	\$495	\$495	\$495	\$495	\$495	\$495				\$4,455	\$2,250
Fire Extinguisher Maintenance	\$200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$150
Postage/Shipping Charges	\$250	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$188
Professional Services, misc	\$10,000	\$0	\$972	\$0	\$0	\$0	\$0	\$0	\$0	\$356				\$1,328	\$7,500
Subtotal	\$76,900	\$4,948	\$6,762	\$13,249	\$889	\$13,524	\$988	\$2,849	\$8,363	\$1,245	\$0	\$0	\$0	\$52,817	\$57,675
Electricity (PG&E)	\$1,346,400	\$62,419	\$53,459	\$59,825	\$84,889	\$104,009	\$139,617	\$150,822	\$82,149	\$134,162				\$871,350	\$1,009,800
Water & Sewer (Pleasanton)	\$1,000	\$10,287	\$0	\$358	\$0	-\$9,971	\$0	\$0	\$0	\$153				\$827	\$750
Water (EBMUD)	\$880	\$180	\$0	\$185	\$0	\$190	\$0	\$0	\$0	\$185				\$739	\$660
Telephone/communications	\$4,500	\$488	\$0	\$1,123	\$577	\$561	\$0	\$0	\$668	\$643				\$4,060	\$3,375
WW Treatment (DSRSD)	\$2,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$1,875
Subtotal	\$1,355,280	\$73,374	\$53,459	\$61,490	\$85,467	\$94,790	\$139,617	\$150,822	\$82,816	\$135,142	\$0	\$0	\$0	\$876,976	\$1,016,460
Non-Routine															
Pump Efficiency Testing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$0
Corrosion Studies/ Inspections	\$500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$375
Med voltage switchgear 3-yr PM (FY22, \$18k)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$0
Time delay switches for electrical switchgear	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$6,000
LAVWMA PS PLC Upgrade (placeholder, \$160k)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0				\$0	\$0
Subtotal	\$8,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,375
Monthly Total	\$2,517,127	\$156,206	\$116,889	\$154,494	\$170,256	\$173,774	\$191,091	\$248,691	\$146,775	\$191,928	\$0	\$0	\$0	\$1,550,104	\$1,887,845
YTD Total		\$156,206	\$273,095	\$427,589	\$597,845	\$771,619	\$962,709	\$1,211,401	\$1,358,176	\$1,550,104	\$1,550,104	\$1,550,104	\$1,550,104	\$1,550,104	82% of YTD Budge
Combined Export Flow, mg	4,094	127	145	212	253	320	503	475	394	366				2,795	3,071
Pumping Efficiency		66.5%	60.3%	65.1%	68.6%	63.1%	63.6%	66.8%	70.4%	66.3%					
Monthly Cost, \$/mg		\$1,233	\$806	\$729	\$673	\$543	\$380	\$524	\$373	\$524					
YTD Running Cost, \$/mg	\$615	\$1,233	\$1,005	\$884	\$812	\$730	\$617	\$595	\$559	\$555					

Q3 Notes:
1) PG&E February invoice \$71,129.60 for Feeder B did not get processed until 4/8/2020 and is not included in February monthly billing per Finance.

LAVWMA
BUDGET COMPARISON TO ACTUAL EXPENSES

Current FY Period: **9**

ACTUAL EXPENSES BILLED TO LAVWMA FOR REGULAR O&M														
FY 2019-2020	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020	YTD TOTAL	YTD Budget
<i>Estimated Personnel Hours</i>														
Division 50 - Ops Admin	0	-	-	-	-	-	-	-	-	-	-	-	-	-
0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Division 51 - FOD	72	-	-	-	-	-	-	2.00	-	-	-	-	2.00	54.00
Water/Wastewater Sys Lead Op	0	-	-	-	-	-	-	2.00	-	-	-	-	2.00	-
Water/Wastewater Sys OP IV-On Call	0	-	-	-	-	-	-	-	-	-	-	-	-	-
Water/Wastewater Sys OP IV	64	-	-	-	-	-	-	-	-	-	-	-	-	48.00
Water/Wastewater Sys OP III	0	-	-	-	-	-	-	-	-	-	-	-	-	-
Water/Wastewater Sys OP II	0	-	-	-	-	-	-	-	-	-	-	-	-	-
Maintenance Worker	0	-	-	-	-	-	-	-	-	-	-	-	-	-
Supervisor	8	-	-	-	-	-	-	-	-	-	-	-	-	6.00
Division 52 - WWTP	2,996	197.00	156.50	151.00	228.00	153.00	206.50	229.00	165.50	174.50	-	-	1,661.00	2,247.00
Process Lead Operator IV/V	200	11.00	9.00	12.00	8.00	6.00	10.00	6.00	4.00	2.50	-	-	68.50	150.00
Senior WWTP Operator III	590	183.00	85.50	107.00	122.00	60.00	44.50	101.00	89.50	102.00	-	-	894.50	442.50
Operator In Training	0	-	-	-	78.00	-	146.00	112.00	50.00	66.00	-	-	452.00	-
Operator II	1,000	-	61.00	28.00	16.00	84.00	-	-	19.00	-	-	-	208.00	750.00
Operator II (SLSS)	1,156	-	-	-	-	-	-	-	-	-	-	-	-	867.00
Supervisor	50	3.00	1.00	4.00	4.00	3.00	6.00	10.00	3.00	4.00	-	-	38.00	37.50
Division 53 - MECH	1,741	103.75	96.75	160.75	111.75	128.50	55.75	181.50	62.00	123.50	-	-	1,024.25	1,305.75
Senior Mechanic-Crane Cert	380	-	1.50	-	-	4.00	-	-	-	-	-	-	5.50	285.00
Senior Mechanic - USA	82	-	2.00	-	-	-	-	-	-	-	-	-	2.00	61.50
Maintenance Worker	0	-	-	-	2.00	4.00	-	-	8.00	7.50	-	-	21.50	-
Mechanic I/II	760	48.00	49.00	72.25	62.75	59.25	15.00	100.50	41.00	47.00	-	-	494.75	570.00
Mechanic II-Crane Cert	200	45.50	26.00	67.00	30.50	51.50	28.50	65.50	15.00	15.00	-	-	329.50	150.00
Mechanic I/II - USA	269	5.75	10.75	12.00	12.50	5.25	4.75	5.50	8.00	32.50	-	-	97.00	201.75
Mechanic II-Crane Cert - USA	0	4.50	7.50	9.50	4.00	4.50	7.50	10.00	5.00	21.50	-	-	74.00	-
Supervisor	50	-	-	-	-	-	-	-	-	-	-	-	-	37.50
Division 54 - ELEC	924	138.50	70.00	61.00	149.00	89.50	58.00	149.00	90.00	43.50	-	-	848.50	693.00
Senior Instrument/Controls Tech	12	-	-	-	-	-	-	-	-	-	-	-	-	9.00
Instrument Tech	480	124.50	30.00	12.00	81.00	58.00	1.00	16.00	10.00	5.50	-	-	338.00	360.00
OPS Control Sys Spec	144	-	-	20.00	16.00	14.50	15.00	23.50	-	-	-	-	89.00	108.00
Senior Electrician	36	-	-	-	-	-	-	-	-	-	-	-	-	27.00
Electrician I/II	240	13.00	40.00	28.00	48.00	17.00	39.00	108.50	79.00	37.00	-	-	409.50	180.00
Supervisor	12	1.00	-	1.00	4.00	-	3.00	1.00	1.00	1.00	-	-	12.00	9.00
Division 26 - SAFETY	48	-	-	-	-	-	-	-	-	-	-	-	-	36.00
Safety Officer	48	-	-	-	-	-	-	-	-	-	-	-	-	36.00
Division 40 - ENG	100	6.00	4.50	9.00	8.50	5.50	2.00	8.50	3.00	6.50	-	-	53.50	75.00
Associate/Senior Civil Engineer-SME	100	6.00	4.50	9.00	8.50	5.50	2.00	8.50	3.00	6.50	-	-	53.50	75.00
<i>Total Estimated Personnel Hours</i>														
5,881														
<i>FTE</i>														
2.83														
Total Monthly Hours	445.25	327.75	381.75	497.25	376.50	322.25	568.00	322.50	348.00	-	-	-	3,589.25	4,410.75

TABLE 9

San Leandro Sampling Station Microbiology Results

January - March 2020

Collection Date	Fecal Coliform MPN/100ml	Enterococcus MPN/100ml
01/09/20	<2	20
01/16/20	<2	<10
01/23/20	<2	<10
01/30/20	2	<10
02/06/20	27	<10
02/13/20	8	<10
02/20/20	2	<10
02/27/20	8	10
03/05/20	<2	<10
03/12/20	2	<10
03/19/20	<2	<10
03/26/20	8	<10
Median	2	<10
Geometric Mean	3.5	10.6

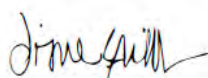
TABLE 10

Monthly Report for LAVWMA - January 2020
Dublin San Ramon Services District Laboratory
ELAP Certificate # 1272

DATE	FLOW (MGD)	CBOD (mg/L) (kg/d)		TSS (mg/L) (kg/d)		MINIMUM pH (units)	MAXIMUM pH (units)	CHLORINE RESIDUAL (mg/L)	CHLORINE RESIDUAL (SLS STATION) (mg/L)
1	16.14					7.38	7.47	1.613	0.000
2	15.30	17.6	1019	9.2	533	7.33	7.39	1.686	0.000
3	14.31					7.37	7.43	1.574	0.000
4	14.44					7.34	7.42	1.547	0.000
5	14.85					7.36	7.42	1.455	0.000
6	15.14					7.38	7.63	1.225	0.000
7	15.14					7.44	7.52	1.787	0.000
8	15.25	8.5	491	10.0	577	7.42	7.55	1.912	0.000
9	14.81					7.42	7.52	1.640	0.000
10	14.57					7.38	7.47	1.633	1.176
11	15.91					7.39	7.46	1.387	0.566
12	15.76					7.41	7.44	0.988	0.003
13	16.32					7.41	7.57	0.851	0.003
14	16.32					7.38	7.51	0.939	0.004
15	14.36	16.2	880	19.0	1033	7.41	7.47	0.897	0.004
16	15.24					7.46	7.70	0.844	0.003
17	16.11					7.33	7.47	1.348	0.001
18	15.49					7.36	7.43	1.390	0.001
19	15.49					7.33	7.38	1.052	0.002
20	15.21					7.37	7.44	0.887	0.003
21	15.21					7.42	7.63	0.756	0.003
22	16.76	13.5	857	10.8	685	7.43	7.53	0.845	0.001
23	15.35					7.39	7.46	0.786	0.000
24	14.52					7.38	7.47	0.725	0.000
25	14.32					7.35	7.43	0.581	0.000
26	14.88					7.36	7.41	0.524	0.001
27	15.30					7.33	7.43	0.501	0.002
28	15.30					7.43	7.62	0.586	0.002
29	16.51	4.6	287	8.2	512	7.49	7.65	1.868	0.003
30	16.36					7.44	7.56	2.381	0.003
31	14.51					7.40	7.53	2.023	0.001
MAX.	16.76	17.6	1019	19.0	1033	7.49	7.70	2.38	1.18
MIN.	14.31	4.6	287	8.2	512	7.33	7.38	0.50	0.00
AVE.	15.33	12.1	707	11.4	668	7.39	7.50	1.23	0.06
TOTAL	475.17								

Samples collected from LAVWMA Export Pump Station, except for chlorine at the San Leandro Sampling Station as noted.
 MGD = Millions of gallons per day; mg/L = milligrams per liter; kg/d = kilograms per day

Authorized for release by:



Diane Griffin, Laboratory Director

Date: 4/15/2020

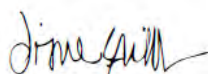
TABLE 10

Monthly Report for LAVWMA - February 2020
Dublin San Ramon Services District Laboratory
ELAP Certificate # 1272

DATE	FLOW (MGD)	CBOD (mg/L) (kg/d)		TSS (mg/L) (kg/d)		MINIMUM pH (units)	MAXIMUM pH (units)	CHLORINE RESIDUAL (mg/L)	CHLORINE RESIDUAL (SLS STATION) (mg/L)
1	14.07					7.37	7.47	1.464	0.001
2	15.43					7.41	7.46	1.211	0.001
3	15.43					7.42	7.70	1.059	0.001
4	15.43					7.57	7.66	1.405	0.001
5	15.43	4.9	286	7.4	432	7.60	7.68	1.115	0.002
6	13.82					7.56	7.65	2.786	0.002
7	13.75					7.56	7.66	4.987	0.003
8	14.30					7.53	7.60	4.987	0.002
9	14.29					7.57	7.63	4.987	0.002
10	14.29					7.58	7.67	4.987	0.003
11	14.29					7.55	7.62	4.987	0.004
12	14.29	4.5	243	6.8	368	7.48	7.65	4.239	0.002
13	14.29					7.53	7.61	4.273	0.000
14	13.13					7.57	7.70	4.956	0.000
15	13.13					7.59	7.73	4.987	0.000
16	12.49					7.56	7.62	4.987	0.000
17	12.49					7.61	7.71	4.987	0.000
18	13.34					7.64	7.73	4.983	0.000
19	13.34					7.67	7.81	4.277	0.000
20	13.34	5.0	252	7.0	353	7.67	7.75	3.952	0.000
21	12.55					7.63	7.77	4.138	0.000
22	12.55					7.63	7.68	4.020	0.000
23	12.55					7.59	7.66	3.990	0.000
24	12.55					7.58	7.65	4.604	0.000
25	12.55					7.54	7.67	4.676	0.000
26	12.60	3.9	186	6.0	286	7.56	7.79	4.441	0.000
27	12.60					7.55	7.66	3.980	0.000
28	12.60					7.58	7.66	3.828	0.000
29	12.60					7.62	7.75	3.807	0.000
MAX.	15.43	5.0	286	7.4	432	7.67	7.81	4.99	0.00
MIN.	12.49	3.9	186	6.0	286	7.37	7.46	1.06	0.00
AVE.	13.57	4.6	242	6.8	360	7.56	7.67	3.90	0.00
TOTAL	393.54								

Samples collected from LAVWMA Export Pump Station, except for chlorine at the San Leandro Sampling Station as noted.
 MGD = Millions of gallons per day; mg/L = milligrams per liter; kg/d = kilograms per day

Authorized for release by:



Diane Griffin, Laboratory Director

Date: 4/15/2020

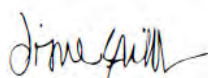
TABLE 10

Monthly Report for LAVWMA - March 2020
Dublin San Ramon Services District Laboratory
ELAP Certificate # 1272

DATE	FLOW (MGD)	CBOD (mg/L) (kg/d)		TSS (mg/L) (kg/d)		MINIMUM pH (units)	MAXIMUM pH (units)	CHLORINE RESIDUAL (mg/L)	CHLORINE RESIDUAL (SLS STATION) (mg/L)
1	9.70					7.68	7.74	4.728	0.000
2	10.49					7.63	7.79	4.959	0.000
3	10.49					7.61	7.68	4.459	0.000
4	10.84					7.61	7.72	4.226	0.000
5	11.73	5.1	226	6.2	275	7.59	7.66	4.252	0.000
6	10.73					7.60	7.67	4.470	0.000
7	9.90					7.58	7.62	4.964	0.000
8	10.42					7.55	7.59	4.987	0.000
9	10.42					7.53	7.57	4.987	0.000
10	10.42					7.55	7.60	4.987	0.000
11	10.42	4.8	189	8.2	323	7.50	7.58	4.855	0.000
12	11.57					7.56	7.60	4.333	0.000
13	10.01					7.55	7.73	4.585	0.000
14	10.32					7.59	7.70	4.809	0.000
15	13.40					7.45	7.59	4.947	0.000
16	13.40					7.41	7.51	4.987	0.000
17	13.40					7.40	7.50	4.987	0.000
18	13.40	3.5	178	7.8	396	7.39	7.51	4.868	0.001
19	13.40					7.37	7.52	4.652	0.001
20	12.20					7.42	7.49	4.832	0.000
21	12.20					7.38	7.44	4.794	0.000
22	12.20					7.39	7.50	4.982	0.001
23	12.50					7.41	7.45	4.159	0.000
24	12.50					6.87	7.48	4.981	0.000
25	12.50	2.8	132	7.8	369	7.42	7.53	3.902	0.013
26	13.13					7.40	7.45	3.141	0.001
27	12.31					7.44	7.49	4.554	0.000
28	12.31					7.43	7.48	4.687	0.000
29	13.19					7.35	7.43	4.510	0.000
30	13.19					7.15	8.01	4.466	0.000
31	13.19					7.46	7.56	3.048	0.000
MAX.	13.40	5.1	226	8.2	396	7.68	8.01	4.99	0.01
MIN.	9.70	2.8	132	6.2	275	6.87	7.43	3.05	0.00
AVE.	11.80	4.1	181	7.5	341	7.46	7.59	4.58	0.00
TOTAL	365.89								

Samples collected from LAVWMA Export Pump Station, except for chlorine at the San Leandro Sampling Station as noted.
 MGD = Millions of gallons per day; mg/L = milligrams per liter; kg/d = kilograms per day

Authorized for release by:



Diane Griffin, Laboratory Director

Date: 4/15/2020

TABLE 11

DUBLIN SAN RAMON SERVICES DISTRICT
WASTEWATER TREATMENT FACILITY

LAVWMA

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO ₃)	Alkalinity (mg/L CaCO ₃)	pH (Actual)	pH Saturation	Langlier Index
01/06/20	736	17.2	120	330	7.5	7.3	0.1
02/11/20	785	20.3	136	408	7.7	7.2	0.5
03/03/20	862	20.0	136	430	7.3	7.1	0.2
MAXIMUM	862	20.3	136	430	7.7	7.3	0.5
MINIMUM	736	17.2	120	330	7.3	7.1	0.1
AVERAGE	794	19.2	131	389	7.5	7.2	0.3

TABLE 11

DUBLIN SAN RAMON SERVICES DISTRICT
WASTEWATER TREATMENT FACILITY

DSRSD

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO ₃)	Alkalinity (mg/L CaCO ₃)	pH (Actual)	pH Saturation	Langlier Index
01/06/20	682	21.6	114	328	7.4	7.3	0.1
02/11/20	868	21.5	160	442	7.6	7.0	0.6
03/03/20	836	20.8	146	444	7.4	7.1	0.3
MAXIMUM	868	21.6	160	444	7.6	7.3	0.6
MINIMUM	682	20.8	114	328	7.4	7.0	0.1
AVERAGE	795	21.3	140	405	7.5	7.1	0.3

TABLE 11

CITY OF LIVERMORE
LIVERMORE WATER RECLAMATION PLANT

Langelier pH Saturation Index

Collection DATE	TDS (mg/L)	Temp (°C)	Ca Hardness (mg/L CaCO ₃)	Alkalinity (mg/L CaCO ₃)	pH (Actual)	pH Saturation	Langlier Index
01/08/20	530	19.0	67	283	7.5	7.7	-0.2
02/05/20	620	20.0	78	322	7.6	7.6	0.0
03/04/20	670	21.0	90	298	7.7	7.5	0.2
MAXIMUM	670	21.0	90	322	7.7	7.7	0.2
MINIMUM	530	19.0	67	283	7.5	7.5	-0.2
AVERAGE	607	20.0	78	301	7.6	7.6	0.0

TABLE 12 – LAVWMA Routine and Emergency Contact Information

Agency	Contact	Office
DSRSD	Sue Stephenson, Community Affairs Supervisor	(925) 875-2295
LAVWMA	Chuck Weir, General Manager	(925) 875-2233

The routine, non-emergency contact information is as follows:

Agency	Contact	Office
DSRSD	WWTP Main Office/Control Room Office	(925) 846-4565
DSRSD	Shawn Quinlan, Mechanical Maintenance Supervisor	(925) 875-2358
DSRSD	Levi Fuller, WWTP Operations Supervisor	(925) 875-2300
DSRSD	Jeff Carson, Operations Manager	(925) 875-2345
DSRSD	Fax Machine	(925) 462-0658

The after-hours and emergency contact information is as follows:

Agency	Contact	Cell
DSRSD	24 Hour On Duty Operator	(925) 519-0557
DSRSD	Operator II On Duty	(925) 872-5887
DSRSD	Shawn Quinlan, Mechanical Maintenance Supervisor	(925) 570-7878
DSRSD	Levi Fuller, WWTP Operations Supervisor	(925) 570-8775
DSRSD	Jeff Carson, Operations Manager	(925) 719-2997

The City of Livermore emergency contact information is as follows:

Agency	Contact	Cell
Livermore	24 Hour On Duty Operator	(925) 960-8160
Livermore	Jimmie Truesdell, Water Resources Operations Manager	(925) 525-2016

The City of Pleasanton emergency contact information is as follows:

Agency	Contact	Cell
Pleasanton	24 Hour On Call Operator	(925) 437-3992
Pleasanton	Eric Amaro, Chief Utilities System Operator	(925) 437-3605

Page 1

Agenda Explanation
 Livermore-Amador Valley
 Water Management Agency
 Board of Directors
 May 20, 2020

ITEM NO. 10 PROPOSED OPERATING AND CAPITAL BUDGET FOR FISCAL YEAR 2020/21

Action Requested

Adopt the proposed Operating and Capital Budget for Fiscal Year 2020/21.

Summary

LAVWMA is required to adopt its fiscal year budget by June 30 each year. The proposed operating budget of \$3,295,400 is a 6.79% increase from the FY2019/20 budget. The total revenue requirement of \$11,701,500 is a 1.83% increase from the FY2019/209 budget. Debt service payments consist of \$2,438,658 for the Repair Project and \$5,567,442 for the Expansion Project. There is no payment for the EBDA Debt Service as the entire amount was paid in FY2018/19. Debt service for the Repair Project and the Expansion Project are an increase of 0.01% from last year.

The annual deposit of \$400,000 to the Renewal & Replacement Fund (R&R) remains the same as last year. R&R Projects total \$2,516,000 and many are being carried over from last year. They are related to the rebuilding of three pumps and motors, resealing the three storage basins, projects at the San Leandro Sample Station, replacement of major electrical components at the pump station, cathodic protection projects on the pipelines, and additional pipeline inspection. Projects are based on recommendations from DSRSD staff. Additional detail is contained in the proposed budget document. The R&R Fund balance continues to not be a concern. This is part of a larger Asset Management analysis that continues at an acceptable pace. The program will be matched to DSRSD's program that is concurrently being developed.

Like last year, this year's budget document includes Section 5.0 on Budget Trends based on past requests from the Board. The actual expenses for FY19/20 are estimates based on data through March 31, 2020 and the approved expenses for FY19/20 are as proposed in the budget. The Proposed Operating and Capital Budget for Fiscal Year 2020/21 is included as **Attachment No. 10.a**. The operating budget is largely based on DSRSD's detailed O&M Budget, which is included as **Attachment No. 10.b**. Staff will provide a presentation and answer questions at the Board meeting. The proposed budget has been discussed with the LAVWMA Staff Advisory Group.

Recommendation

It is recommended that the Board approve the proposed Operating and Capital Budget for Fiscal Year 2020/21

Attachments

- 10.a Proposed Operating and Capital Budget for Fiscal Year 2020/21.
- 10.b DSRSD Proposed FY2020-2021 Operations & Maintenance Budget.



**LIVERMORE-AMADOR VALLEY
WATER MANAGEMENT AGENCY**

OPERATING AND CAPITAL BUDGET

FISCAL YEAR 2020/21

DRAFT

To be considered by the LAVWMA Board **May 20, 2020**

LAVWMA FY2020/21 Budget

LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
OPERATING AND CAPITAL BUDGETS
FISCAL YEAR 2020/21

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LAVWMA FY2020/21 Budget

**LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
OPERATING AND CAPITAL BUDGETS
FISCAL YEAR 2020/21**

EXECUTIVE SUMMARY

OPERATING BUDGET

The proposed operating budget of \$3,295,400 is a 6.79% increase from the FY2019/20 budget. The total revenue requirement of \$11,701,500 is a 1.84% increase from the FY2019/20 budget. Debt service payments consist of \$2,438,658 for the Repair Project, \$5,567,442 for the Expansion Project for a total of \$8,406,100. It should also be noted that the DSRSD proposed budget for LAVWMA included a 4% increase for operations and maintenance. DSRSD costs are typically well below estimates such that LAVWMA's budget can be less than those projections.

The FY2019/20 Budget includes a few items that exceeded the approved budget including:

- PG&E power will be above budget based on projections for the first nine months of the year. However, low rainfall and water recycling may result in lower costs than projected.
- Monitoring/Testing will be above budget due to \$15,000 in special testing required for the renewal of the NPDES permit.
- EBDA Fixed O&M Expenses will be high due to an unbudgeted payment of \$135,708 for Other Post Employment Benefit and Pension Fund payments to get the funds to the level of 95% funded.

The total EBDA O&M budget of \$664,000 is 2.15% above last year. The increase is largely due to an increase in the NPDES permit fee and studies for the nutrient permit. LAVWMA owns 19.72 MGD of EBDA's 189.1 MGD capacity, or 10.43%. LAVWMA's fixed cost percentage has been increasing per the terms of the agreement from the original 10.43% to the current level of 18.60%. Costs for EBDA are based on fixed and variable (flow based) percentages. The flow-based percentage is currently 17.9% as compared to 17.7% last year. It is in LAVWMA's best interests to reduce both its fixed and variable costs through a combination of renegotiating the agreement, reducing flows through water recycling and flow management during wet weather. The EBDA Master Agreement has been extended through June 30, 2020. An additional extension through December 21, 2020 has already been approved by the Board and is subject to EBDA approval. EBDA has provided a term sheet for a new agreement that includes several items that are not acceptable to the member agencies. A study is currently underway to determine how much additional capacity above the 19.72 MGD will be needed over the next twenty years. EBDA costs for FY20/21 are based on the current agreement. The largest variable for a new agreement is the fixed cost percentage, which will be based on capacity needs. As an example, increasing the fixed cost percentage will cost approximately \$18,000 for each percentage point above the current 18.6%.

The proposed FY2020/21 operating budget considers projected FY2019/20 expenditures and is largely based on the detailed budget prepared by DSRSD pursuant to the Maintenance

LAVWMA FY2020/21 Budget

Agreement, copy attached. FY2019/20 O&M expenditures are projected to be above the approved budget by approximately 6%. This is primarily due to the following: 1) PG&E power, and 2) payment to EBDA for Other Post-Employment Benefits (OPEB) and pension fund obligations. All other costs are projected to be on target budget. The proposed budget includes a modest increase in PG&E costs. The annual reconciliation process will collect any shortfall from the member agencies. Significant water recycling efforts in the service area are continuing and should increase over time, which will help to offset PG&E rate increases. Increased pumping efficiency will also help to offset rate increases. A new time of use rate structure that becomes effective in November 2020 could also prove beneficial. The MCC consultant will review the rate structure and make recommendations.

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

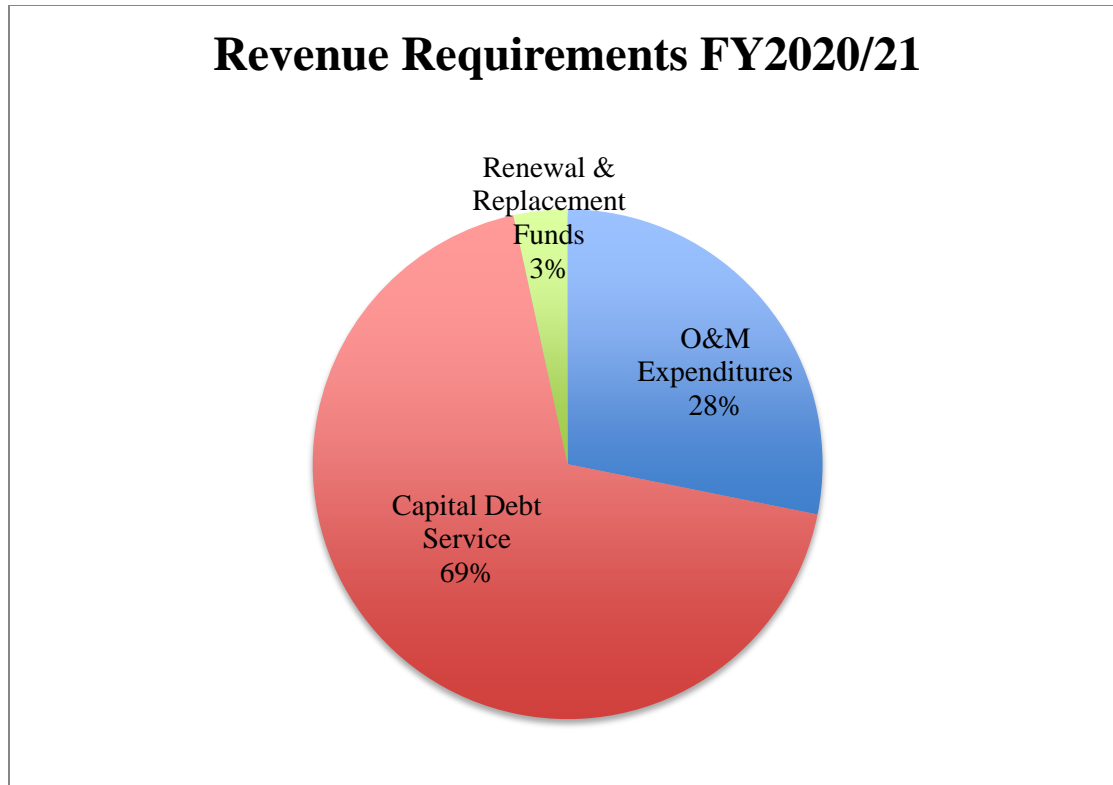
CAPITAL BUDGET

The FY2019/20 capital budget was \$1,166,000, of which only \$125,000 is projected to be spent this fiscal year. Much of this is due to delays associated with COVID-19 issues, as well as hiring of new staff by DSRSD. The FY2020/21 capital budget of \$2,516,000 is for the renewal and replacement of LAVWMA and EBDA facilities and includes the rebuilding of three pumps and motors, resealing the storage basins, design improvements at the San Leandro Sample Station, drainage improvements, replacement of the motor control centers and soft starters at the pump station, cathodic protection improvements, and pipeline inspection. All of these major projects have been recommended by DSRSD staff. Please refer to the tables below which provide descriptions and summarize the costs.

REVENUE REQUIREMENTS

The FY2020/21 budget also includes the debt service (repair and expansion) for the 2011 Bonds. Although repair and expansion of the existing pipeline is a capital cost, the associated debt service is tabulated in the operating budget to assist member agencies with their rate and fee calculations. The projected debt service includes payment of principal and interest. 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. Dual Use facilities are minimal and are currently adequately funded. The following pie chart illustrates the allocation of the \$11,701,500 in total revenue requirements for FY2020/21.

LAVWMA FY2020/21 Budget

**1.0 GENERAL**

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

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.

LAVWMA FY2020/21 Budget

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

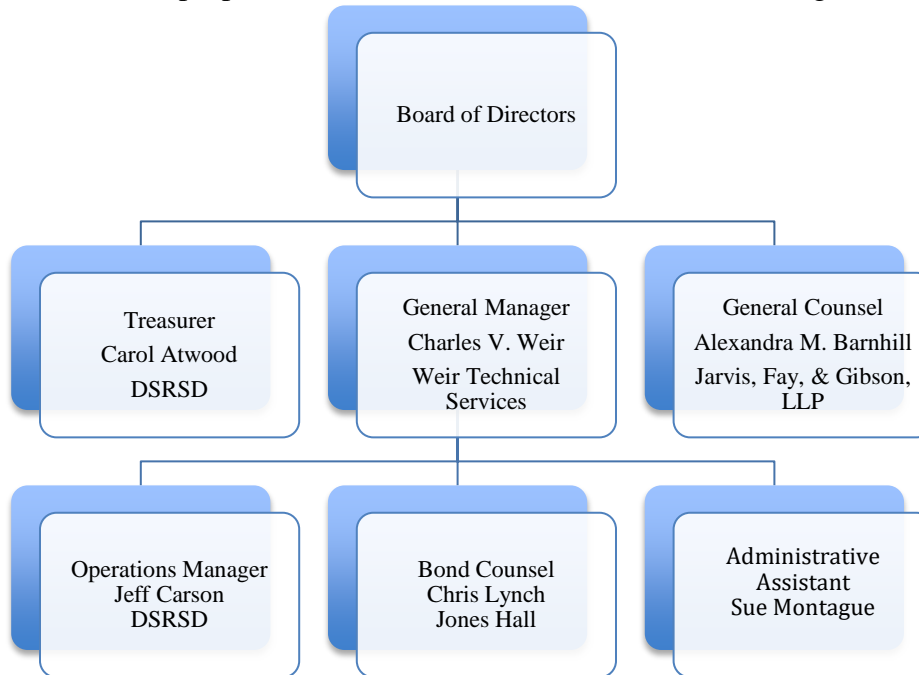
To carry out our Mission, LAVWMA will pursue the following goals:

- **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.

LAVWMA FY2020/21 Budget

1.2 ORGANIZATION

The LAVWMA team proposed for FY2019/20 is shown in the following chart.



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 FY2020/21 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.

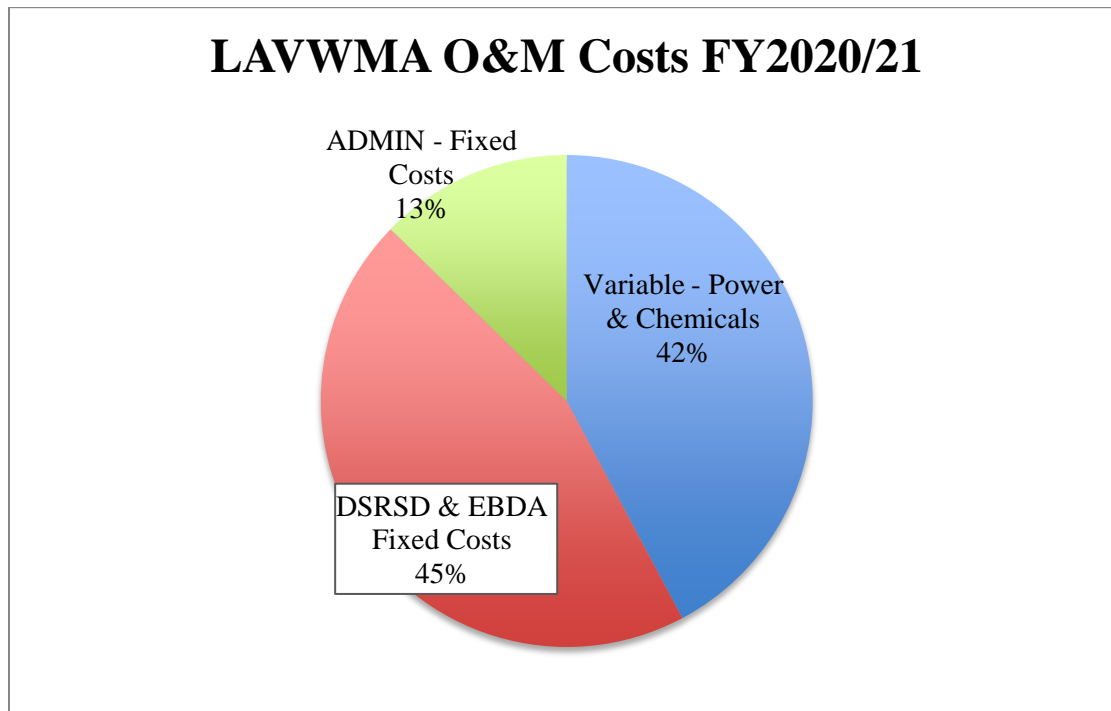
LAVWMA FY2020/21 Budget

FY2020/21 OPERATIONS BUDGET SUMMARY							
			FY2019/20 Adopted Budget	FY2019/20 Projected Actual	FY2020/21 Proposed Budget	Change From Adopted FY2019/20	
OPERATIONS AND MAINTENANCE							
VARIABLE COSTS							
	DSRSD Maintenance Agreement (Power)		\$ 1,200,000	\$ 1,256,639	\$ 1,250,000	4.17%	
	EBDA O&M (See Table, Section 2.2.1)		145,000	130,082	141,000	-2.76%	
	Subtotal - O&M Variable Costs		1,345,000	1,386,721	1,391,000	3.42%	
FIXED COSTS							
	DSRSD Maintenance Agreement						
	Labor/equip		780,000	765,881	797,000	2.18%	
	Materials/Supplies		50,000	32,571	50,000	0.00%	
	Contractual		70,000	70,423	70,000	0.00%	
	Monitoring/Testing		31,000	43,629	31,000	0.00%	
	Utilities (fixed)		7,000	5,879	7,000	0.00%	
	Non Routine		8,000	-	8,000	0.00%	
	EBDA O&M (See Table, Section 2.2.3)		505,000	640,317	523,000	3.56%	
	Note: \$135,708 included in EBDA FY19/20 projected total for OPEB and Pension Funding						
	Subtotal - O&M Fixed Costs		1,451,000	1,558,699	1,486,000	2.41%	
	Note: Monitoring/Testing includes \$15,000 for NPDES permit renewal testing (every five years)						
ADMIN/MGMT							
	Mgr/Treas/Counsel/Board		153,000	225,684	273,000	78.43%	
	Services/Supplies/Misc		89,000	54,031	82,500	-7.30%	
	Permits/Insurance		48,000	46,511	62,900	31.04%	
	Note: GM and Gen. Counsel increases for EBDA agreement and NPDES permit renewal						
	Subtotal Admin/Mgmt		290,000	326,226	418,400	44.28%	
	Note: SDRMA insurance projected to increase by 42%						
	Subtotal All Fixed Costs		1,741,000	1,884,925	1,904,400	9.39%	
	TOTAL O&M COSTS		\$ 3,086,000	\$ 3,271,647	\$ 3,295,400	6.79%	
			FY2020/21 Proposed Budget	FY2019/20 Projected Actual	FY2020/21 Proposed Budget	Change From Adopted FY2019/20	
CAPITAL PROGRAM FUNDING							
	Replacement Fund		400,000	400,000	400,000	0.00%	
	Repair Debt Service		2,438,506	2,438,506	2,438,658	0.01%	
	Expansion Debt Service		5,567,094	5,567,094	5,567,442	0.01%	
	SUBTOTAL		\$ 8,405,600	\$ 8,405,600	\$ 8,406,100	0.01%	
TOTAL REVENUE REQUIREMENTS			\$11,491,600	\$11,677,247	\$11,701,500	1.83%	

LAVWMA FY2020/21 Budget

2.2 Operating Budget Summaries

The following pie chart depicts the allocation of operating costs:



2.2.1 Variable Costs – Power and Chemicals

Variable costs for power (DSRSD/EBDA) and chemicals (EBDA) are directly tied to the volume of flow that LAVWMA discharges. They total \$1,391,000 and make up approximately 42% of LAVWMA's total operating budget. Pumping and chemical costs for FY2020/21 are projected to be 3.42% more than last year. The increase in PG&E electrical costs are not yet known as they are still negotiating with the Public Utilities Commission. The ultimate increase could be substantial as PG&E is attempting to recoup costs from a variety of recent setbacks. Increases will be partially offset by improved pumping efficiency due to the new pumps and that is reflected in the power costs. The FY2020/21 Budget is based on actual costs for the current year. The following table details the variable costs for EBDA.

Facility	Variable Cost	LAVWMA Cost, 17.89%	LAVMWA Cost, 3.12%
General Administration	\$21,500	\$3,847	-
Outfall & Forcemains	\$150,000	\$9,394 (35%)	-
Marina Dechlor Facility	\$222,000	\$39,723	-
Dechlorination Costs	\$235,000	-	\$7,337
Oro Loma Pump Station	\$420,000	\$75,152	
Bay & Effluent Monitoring	\$30,000	\$5,638	
Total	\$843,500	\$133,485	\$7,337

LAVWMA FY2020/21 Budget

The total estimate for EBDA Variable O&M Costs is \$140,822, which has been rounded up to \$141,000 in the FY20/21 Budget.

2.2.2 Fixed Costs - DSRSD Maintenance Agreement

Operation and maintenance of LAVWMA facilities for FY2020/21 is estimated to require 5,881 fully burdened labor hours. This is the same as last year. Costs for these items are based on projected costs for FY2019/20 and anticipated needs for FY2020/21.

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 18.98% for a total of \$53,151. LAVWMA's share of the permit fee (\$555,483) is based on the permitted average dry weather flows for each agency that is part of the EBDA system. LAVWMA's share of this cost is 26.62%, or \$147,888.

LAVWMA's share of EBDA Special Projects for FY2020/21 are less than \$5,000, which is much lower than in prior years.

LAVWMA is responsible for a portion of the forcemain system and will be billed accordingly. LAVWMA is currently responsible for 18.60% of the fixed costs for "shared" EBDA facilities. This is the maximum percentage per the existing Master Agreement. This year's fixed cost budget is \$523,000, which is 3.56% more than last year. Total EBDA costs for variable and fixed costs for FY2020/21 are \$664,000 as compared with \$650,000 last year. The following table summarizes the Fixed and Special Projects costs for EBDA.

Facility and Total Variable Cost	Fixed Cost	LAVWMA Percent Cost	LAVMWA Estimated Cost
General Administration	\$1,233,262	18.60%	\$229,387
Outfall & Forcemains	\$31,336	6.51%	\$2,040
Marina Dechlor Facility	\$49,004	18.60%	\$9,115
Oro Loma Pump Station	\$43,920	18.60%	\$8,169
Bay & Effluent Monitoring	464,550	18.60%	\$86,406
NPDES Permit Fee	\$555,483	26.62%	\$147,888
RMP Fee	\$280,000	18.98%	\$53,151
Nutrients Fee	\$269,479	14.90%	\$40,167
Disinfection Master Plan & Contingency	\$62,246	7.28%	\$4,533
Total	\$2,989,280		\$580,856

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Historically, EBDA has averaged approximately 90% of budget for the fixed costs listed above. Accordingly, \$523,000 is included in the FY20/21 Budget.

2.2.4 Fixed Costs - Administration & Management

This section includes general administration, program management, legal and financial services, consulting services, permits, insurance, etc. The proposed budget is \$418,400 as compared with \$290,000 last year or an increase of 44.28%. The increases are due to the following: 1) NPDES permit renewal (occurs once every five years), 2) negotiation of the new EBDA Master Agreement, 3) projected 42% increase in insurance costs, and management of the long list of capital projects. The NPDES permit renewal process began last year and will continue into FY2020/21. There are also costs for consulting services for upgrading the website, records management, and assistance in enhancing the asset management program. The website updates and records management projects have been delayed by the flooding of DSRSD's main office as well as COVID-19. The asset management program is linked to DSRSD's efforts for their own system. Asset Management made great strides this past year and will continue to be a key project this year and will have an impact on the Capital Program Funding as discussed below. Costs for travel expenses for the General Manager for two CASA Conferences and other required training for the General Manager and Administrative Assistant are included in these costs.

2.2.5 Capital Program Funding

This category includes the projected FY2020/21 debt service (repair and expansion) for 2011 bonds. Although repair and expansion of the existing pipeline and the EBDA capacity purchase are capital costs, the associated debt service and funding program costs are tabulated in the operating budget to assist member agencies with their rate and fee calculations. The projected debt service includes payment of both principal and interest. It is recommended that the annual \$400,000 deposit to LAVWMA's capital facilities Joint renewal replacement account be continued to help cover the \$2,516,000 cost of capital projects in FY2020/21. It is acknowledged that it may not be possible to complete all of the capital projects this fiscal year. However, it is best to get them on the list so that proper planning and scheduling can occur. Dual Use facilities are minimal and have adequate replacement funds.

The first table below lists the capital projects that will be completed by the end of FY2019/20. The second table lists all recommended projects for FY2020/21. All projects have been recommended and vetted by DSRSD staff.

FY2019/20 Capital Program Expenditures	
Rebuild three pumps and their associated motors	\$0
Resealing of all Three Storage Basins	\$0
San Leandro Sample Station Assessment, surge valve replacement, flow meter replacement	\$0
MCCs and soft starters	\$35,000
Road Drainage Improvements	\$0
Other Misc. LAVWMA Renewal/Replacements	\$90,000

LAVWMA FY2020/21 Budget

Other Misc. EBDA Renewal/Replacements	\$0
CIP Planning/Management Contingency	\$0
Total Expenditures	\$125,000

FY2020/21 Capital Program Expenditures		
Project	Description	Cost
Rebuild three pumps and their associated motors.	Due to COVID-19 issues, this project has been delayed from FYE20. Bids have been received for both premium efficiency and regular efficiency pump rebuilds. Since the costs are approximately the same, premium efficiency will be used. The associated motors will also be rebuilt resulting in essentially a new pumping system. It is possible that this project may begin before the end of FYE20, but the payments will be made in FYE21.	\$216,000
Resealing of all three Storage Basins	Due to COVID-19 and staffing issues, this project is being carried over from FYE20. The basins need to be resealed approximately every ten years. GPS analysis did not show any settling. The rebar has been cut off even with the decks and the basins are ready to be sealed. The project will be combined with sealing of DSRSD's storage basins, which may result in some cost savings.	\$200,000
San Leandro Sample Station (SLSS) Design Improvements	This project has evolved from what was described for last year's budget. It also now includes the surge valve replacement included in last year's budget. EBDA agreement issues and the capacity issues study have shown that the SLSS needs significant improvement. Since it is likely that more frequent discharges to San Lorenzo Creek will be permitted under the new EBDA agreement, the control system on the SLSS needs to be as robust as possible. 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	\$175,000

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FY2020/21 Capital Program Expenditures		
Project	Description	Cost
	<p>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.</p>	
Pump Station Motor Control Center (MCC) and Soft Starter Upgrades	<p>In last year's budget this was described as a two-year project. COVID-19 issues have delayed the design portion of the project. DTN Engineers is under contract for the design and technical support during construction. The design is proceeding effective May 1, 2020. This project should be completed in FYE21. The pump station has two 2300V MCC's, MCC-P1 and MCC-P2. MCC-P1 was installed in 1979 and presently serves the six 500HP pumps. MCC-P2 was installed in 2002 and presently serves the four 600HP pumps. MCC-P1 has served reliably for 35 years due to excellent maintenance from DSRSD staff and in 2001 the starters were retrofitted with new vacuum contactors. However, the motor starter equipment is obsolete and replacement parts are hard to procure. MCC-P2 has also served reliably since 2002 when it was originally installed. Like starters in MCC-P1, the starters in</p>	\$1,065,000

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FY2020/21 Capital Program Expenditures		
Project	Description	Cost
	MCC-P2 are coming to the end of their useful life and need to be replaced with newer motor starters.	
Road Drainage Improvements at the LAVWMA Pump Station	Included in last year's budget, this project has been delayed due to COVID-19 and staffing issues. It will be combined with similar projects for DSRSD, which may result in some cost savings. This project will improve road drainage north of the storage basins.	\$35,000
Cathodic Protection Projects	A survey is conducted every year on the cathodic protection system. Surveyors typically identify areas that need improvements. In recent years additional sections of pipeline have been checked resulting in significant improvements needed this year. There are eight routine projects to be completed for a total of \$23,700. In addition, there are three more complex projects that need to be completed at a total cost of \$160,000. They include 1) One of the parallel pipelines needs high resistance bond repairs as high resistance connections have been observed. This project will result in new bonding cables terminated at a new test station to be monitored in future annual surveys; 2) Livermore interceptor electrical discontinuity repairs. Two sections of this pipeline have been determined to be lacking cathodic protection, which will be installed resulting in a new test section; 3) Emergency Discharge Lateral Discontinuity Repairs. A section of this segment is without cathodic protection which needs to be installed resulting in a new test section for future surveys. All three of these projects require excavation which increases the costs.	\$185,000
PLC Upgrade at the Pump Station	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	\$300,000

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FY2020/21 Capital Program Expenditures		
Project	Description	Cost
	and needs to be upgraded to Allen Bradley PLC to match the PLCs used by DSRSD. An upgrade to the OPTO22 system at the San Leandro Pump Station is already complete. This is a complex project that requires engineering design, equipment, installation, and construction support. Upon completion the system will be consistent with that of DSRSD improving operation and performance. It will also be helpful with managing the system under the likely terms of the new EBDA agreement. This project was recommended by the 2016 Pump Station Evaluation Report.	
Pipeline Inspection	The pipeline inspection being conducted through the Pump Station Risk Analysis and Pipeline Inspection Project will result in recommendations for additional inspection of sections of the pipelines that were not addressed through that project. The pipeline is extraordinarily complex with many siphon sections that go under major highways or are very deep underground. Inspecting these sections is difficult and will require coordination between staff and contractors. This project will allow inspection of additional sections to contribute to development of a reliable remaining useful life of the most valuable asset in the system.	\$100,000
Electrical Improvements to the Main Switchgear at the Pump Station	This project will improve the original equipment at the pump station. It includes upgrading to multi-function relays at the main service switch gear, which will require some design and interfacing with PG&E. It also includes adding time delay/remote close/trip switches for the main breakers to reduce the arc flash hazard to staff. Both of these items were recommended by the 2016 Pump Station Evaluation Report.	\$50,000

LAVWMA FY2020/21 Budget

FY2020/21 Capital Program Expenditures		
Project	Description	Cost
Smart Detectors on High Maintenance Air/Vac and Air Release Valves	This project would install Smart Detectors on pipeline vaults with high maintenance air/vac and air relief valves. The Smart Detectors would monitor the depth of the vault if an Air Relief Valve or Combination Valve fails or begins to leak water into the vault. The detector would recognize the level in vault is rising with water, and then send a signal/alarm to Operations which may prevent a spill to storm drains or creeks along the length of the pipelines. It will help to ensure compliance with Regional Board Sanitary Sewer Overflow requirements.	\$40,000
Other Misc. LAVWMA Renewal/Replacements	As needed	\$50,000
Other Misc. EBDA Renewal/Replacements	As needed	\$50,000
CIP Planning/Mgmt./Contingency	As needed	\$50,000
Total Expenditures		\$2,516,000

2.3 Changes from FY2019/20 Budget

FY2019/20 expenditures are projected to come in approximately 6.0% above budget due power and payment for EBDA's OPEB/Pension costs. The annual reconciliation process will resolve any over or under payments. The FY2020/21 Budget is 1.83%% more than FY2019/20 in Total Revenue Requirement. Total O&M costs are 6.79% more that 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. The table below depicts the projected fund balances during FY2019/20.

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R & R Fund Balances	Joint	Dual	Sole	Total
Start of year	15,303,879	420,340	1,573,615	17,297,834
Deposits	400,000	0	0	400,000
Interest Earnings	450,000	7,566	28,325	485,891
Proposed Expenditures	(2,516,000)	(0)	(0)	(2,516,000)
End of Year	13,637,879	427,906	1,601,940	15,667,725

As discussed previously, it is recommended that the annual contribution to the R&R Fund be continued at the \$400,000 level. The following table for the last several years plus the estimated data for FY2018/19 and recommendations for FY2019/20 show that LAVWMA maintaining the Joint Use R&R Fund at a sustainable level since FY2010/11.

R&R Joint Use History				
Fiscal Year	Contributions	Interest	Expenses	Net
FY2010/11	0	84,873	(245,065)	(160,192)
FY2011/12	300,000	51,626	(411,885)	(60,259)
FY2012/13	300,000	45,064	(353,404)	(8,340)
FY2013/14	300,000	36,396	(119,955)	216,441
FY2014/15	300,000	40,479	(439,073)	(98,594)
FY2015/16	400,000	62,652	(336,712)	125,940
FY2016/17	400,000	109,563	(600,000)	(90,437)
FY2017/18	400,000	225,160	(154,000)	471,160
FY2018/19	400,000	494,626	(309,115)	585,511
FY2019/20	400,000	500,000	(125,000)	775,000
FY2020/21	400,000	450,000	(2,516,000)	(1,666,000)
Total	3,600,000	2,100,439	(5,610,209)	90,230

3.2 Discussion of Capital Expenditures Proposed for FY2019/20

The following table summarizes \$2,516,000 of anticipated FY2020/21 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 FY2020/21 Budget

FY2020/21 Capital Program Expenditures	
*Carryover	
*Rebuild three pumps and their associated motors	\$216,000
*Resealing of all Three Storage Basins	\$200,000
*San Leandro Sample Station Design Improvements	\$175,000
*MCCs and soft starters	\$1,065,000
*Road Drainage Improvements	\$35,000
Cathodic Protection Projects	\$185,000
PLC Upgrade at the Pump Station	\$300,000
Pipeline Inspection	\$100,000
Electrical Improvements to Main Switchgear	\$50,000
Smart Detectors on High Maintenance Pipeline Valves	\$40,000
Other Misc. LAVWMA Renewal/Replacements	\$50,000
Other Misc. EBDA Renewal/Replacements	\$50,000
CIP Planning / Management Contingency	\$50,000
Total Expenditures	\$2,516,000

LAVWMA FY2020/21 Budget

4.0 FY2019/20 Member Agency Cost Sharing & Schedule

Member Agency Costs FY2020/21			
	Total	Livermore	DSRSD/Pleasanton
Variable O&M	\$ 1,391,000	\$ 486,850	\$ 904,150
Fixed O&M	1,879,400	565,700	1,313,700
Sole Use Fixed O&M	25,000	25,000	
Total O&M	3,295,400	1,077,550	2,217,851
Replacement Fund	400,000	120,400	279,600
Repair Debt	2,438,659	974,244	1,464,414
Expansion Debt	5,567,442	1,253,788	4,313,654
EBDA Debt	-	-	-
Total Capital Costs	8,406,100	2,348,432	6,057,669
Total Revenue Required	\$ 11,701,500	\$ 3,425,981	\$ 8,275,519
Semi Annual O&M Advance	1,647,700	538,775	1,108,925
Semi Annual Replacement Fund Advance	200,000	60,200	139,800
EBDA Debt Advance, July 1	-	-	-
July 1 Bond Debt Service Advance	6,414,363	1,785,065	4,629,298
Jan 1 Bond Debt Service Advance	1,591,738	442,968	1,148,770
Total July 1 Advance	\$ 8,262,063	2,384,039	5,878,023
Total January 1 Advance	\$ 3,439,438	\$ 1,041,942	\$ 2,397,495
Percentages			
Variable O&M		35.00%	65.00%
Fixed O&M		30.10%	69.90%
Replacement Fund		30.10%	69.90%
Repair Debt		39.95%	60.05%
Expansion Debt		22.52%	77.48%

5.0 Budget Trends FY2013/14 – FY2020/21

The following charts show expense trends from FY13/14 through FY20/21. The charts show the following:

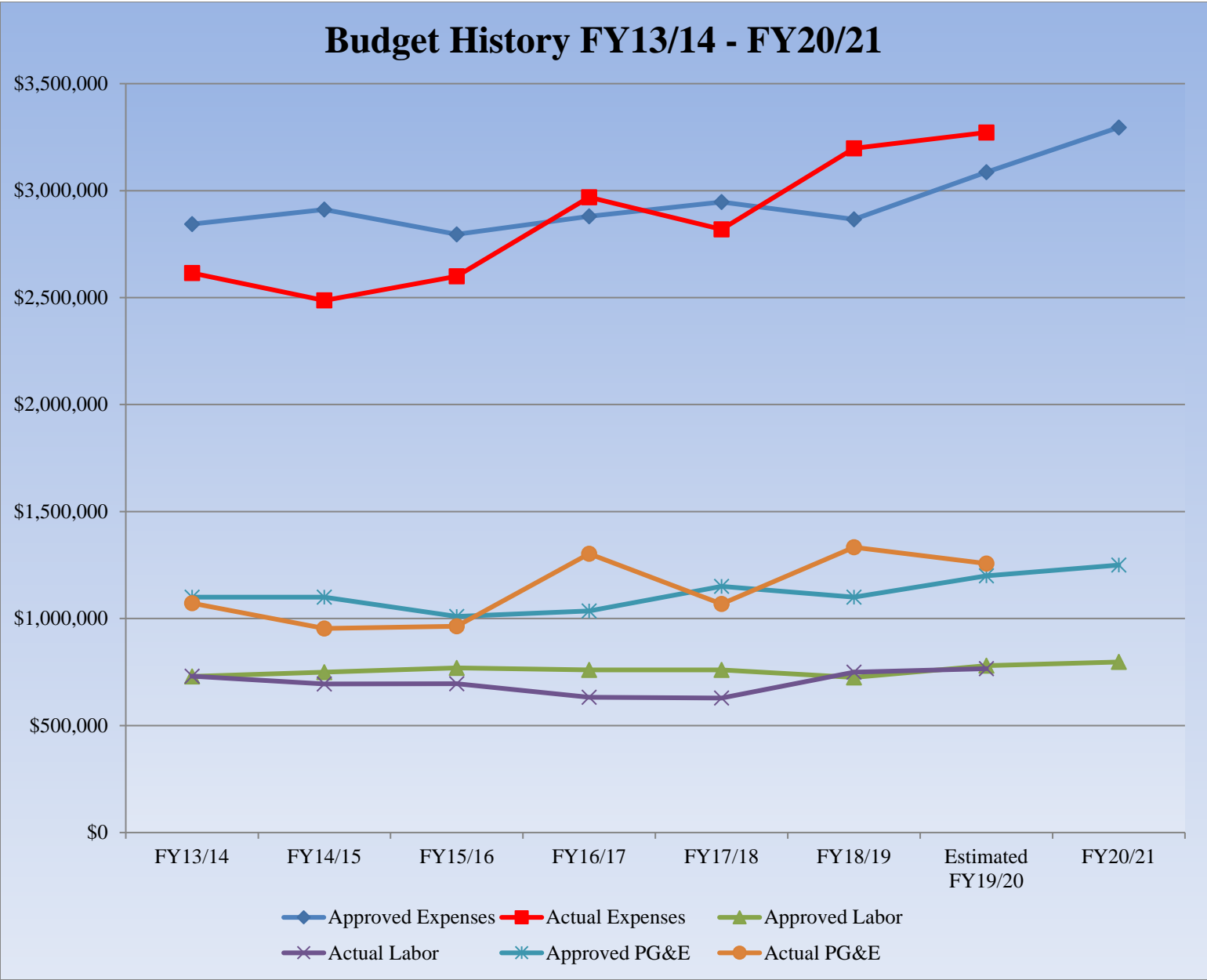
- Approved versus actual expenses for total expenses, labor costs, and PG&E power
- Estimated versus actual export flow
- Estimated versus actual cost per million gallons

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 cost for just pumping over the Dublin Grade is approximately \$612/MG, while the full disposal cost, including EBDA costs is approximately \$749. Although flow and PG&E costs are directly

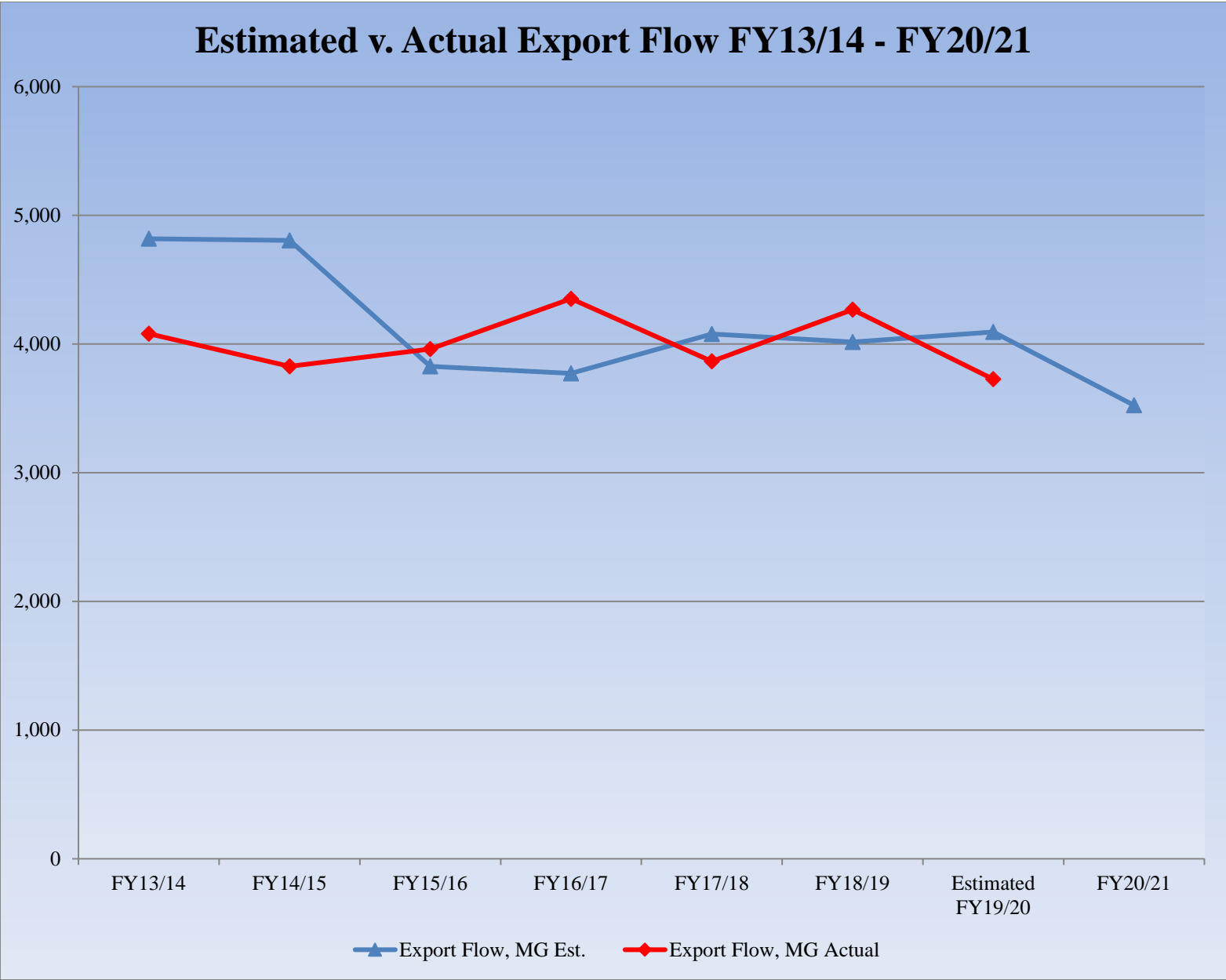
LAVWMA FY2020/21 Budget

linked, other factors such as fixed costs for labor and equipment repair generally increase at the rate of inflation or CPI, resulting in increasing cost curves. Export flow is decreasing over time due to water recycling efforts.

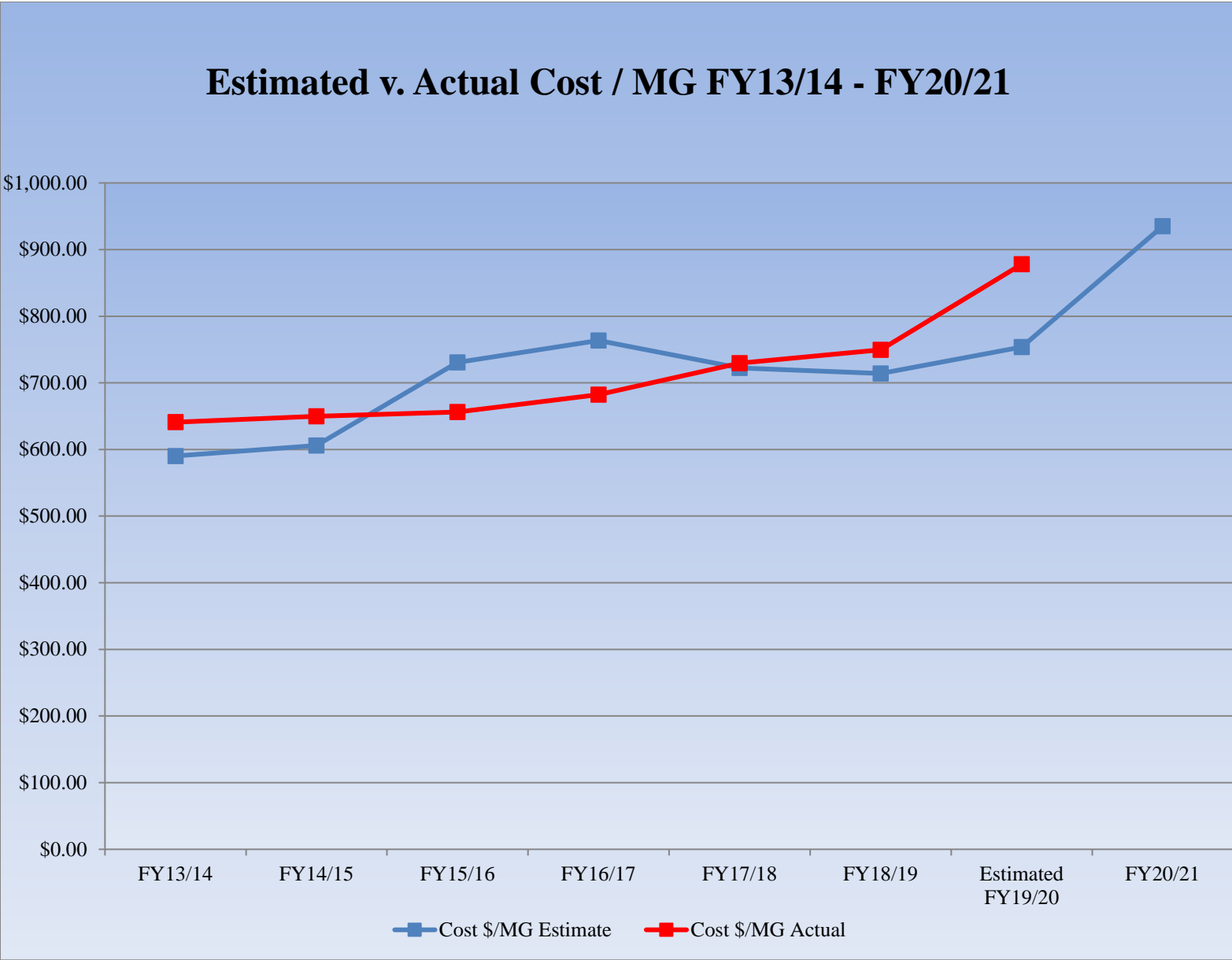
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LAVWMA FY2020/21 Budget





Regional Wastewater Treatment Facility
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April 15, 2020

Mr. Chuck Weir
LAVWMA General Manager
7501 Dublin Blvd
Dublin, CA 94568

Subject: Proposed LAVWMA Operations & Maintenance Budget for Fiscal Year Ending 6/30/2021 (FYE 2021)

Dear Chuck:

As you know, DSRSD previously submitted, on April 2, 2019, the proposed budgets for the operation and maintenance (O&M) of the LAVWMA facilities for the two fiscal years FYE 2020 and FYE 2021 to coincide with the District's two-year budget cycle. There have been no significant changes over the past year as far as impacting the O&M budget for FYE 2021.

However, flows were updated to reflect actual data instead of estimates that were used in the preparation of the original budget. Using updated flows, the estimated export flow for FYE 2021 is 3,524 MG compared to the original estimated flow of 4,028 MG.

Attachment 1 shows the original proposed FYE 2021 budget of \$2,618,772. This amount will convey treated wastewater to the discharge point in San Francisco Bay for Livermore, Pleasanton, Dublin, and San Ramon customers at a rate of approximately \$743 per million gallons (MG) based on the revised estimated export flow of 3,524 MG. For your convenience, the expenses are separated by pumping costs (\$2,224,495 or \$631/MG) and pipeline maintenance costs (\$394,277 or \$112/MG). The proposed FYE 2021 budget shows a 4% increase from the proposed FYE 2020 budget.

These are "not-to-exceed" budgets submitted in accordance with the Maintenance Agreement, and the total budget for each fiscal year cannot be increased without the approval of the LAVWMA Board. However, per the terms of the Maintenance Agreement, the "not-to-exceed" amount applies only to District labor, materials and supplies; but does not apply to utilities, laboratory analysis, and contractual services (Article 3, paragraph F). Utility rates and costs, in particular, are essentially beyond the control of the District, and could vary substantially depending on utility rate initiatives and higher than normal flows resulting from above normal wet weather conditions.

Not included in the proposed O&M budget amount are EBDA charges, permit fees, insurance, debt service, Director's fees and expenditures for the LAVWMA General Manager, Treasurer, Counsel, Auditor, and administrative staff.

LAVWMA Proposed FYE 2021 O&M Budget
April 15, 2020
Page 2 of 2

Attachment 2 shows current year FYE 2020 budget (with actual expenditures through March 2020) compared to the proposed FYE 2021 budget. The table also shows a history of budgeted versus actual expenses for previous fiscal years.

Attachment 3 (from original 2019 proposal) provides detail on the 5,881 labor hours that were used for the FYE 2020 budget which is the same for FYE 2021 budget. Labor costs are based on DSRSD's burden labor rates, which are adjusted annually. DSRSD labor costs are expected to increase by 2.75% in FYE 2021.

Figure 1 shows the projected flow for FY 2020-2021 compared to the amount of recycled water for Pleasanton, EBMUD, and DSRSD.

Figure 2 shows a five-year historic variation in LAVWMA export flows from 2014 to 2019.

DSRSD staff is available at your convenience to discuss the proposed operating and maintenance budgets.

Sincerely,



Jeff Carson
Operations Manager

/gl

Attachments

cc: Dan McIntyre, DSRSD General Manager
Jan Lee, DSRD Assistant General Manager
Judy Zavadil, DSRSD District Engineer/Engineering Services Manager
Carol Atwood, DSRSD Administrative Services Manager
Levi Fuller, DSRSD Wastewater Treatment Plant Operations Supervisor
Maurice Atendido, DSRSD Electrical & Instrumentation Supervisor
Shawn Quinlan, DSRSD Maintenance Supervisor
Diane Griffin, DSRSD Laboratory Supervisor
Dan Marin, DSRSD Field Operations Supervisor

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Attachment 1

FY 2020-2021 LAVWMA OPERATION & MAINTENANCE BUDGET

SUMMARY:			
	Total	Pumping	Pipeline
DSRSD Labor	\$1,010,492	\$715,745	\$294,747
Materials & Supplies	\$62,700	\$44,500	\$18,200
Laboratory Analysis	\$30,300	\$9,300	\$21,000
Contractual Services	\$76,900	\$28,350	\$48,550
Utilities	\$1,429,880	\$1,418,600	\$11,280
Non-Routine	\$8,500	\$8,000	\$500
Total	\$2,618,772	\$2,224,495	\$394,277

Assumptions:	Total	Pumping	Pipeline
Days of operation =	365		
Annual acre feet =	10,814		
Annual million gallons =	3,524		
Unit Costs:			
Cost/AF =	\$242	\$206	\$36
Cost/MG=	\$743	\$631	\$112

Detailed Breakdown:

	Hours	Rate	Labor	Pumping	Pipeline
LABOR					
DIVISION 51 - Field Operations					
Water-Wastewater Sys OP IV	64	\$163	\$10,403	\$0	\$10,403
Supervisor	8	\$278	\$2,227	\$0	\$2,227
Subtotal	72		\$12,630	\$0	\$12,630
DIVISION 52 - WWTP					
Process Lead Operator V	200	\$184	\$36,832	\$36,832	\$0
Senior WWTP Operator III	2,746	\$167	\$458,651	\$458,651	\$0
Operator II	0	\$152	\$0	\$0	\$0
Supervisor	50	\$278	\$13,918	\$6,959	\$6,959
Subtotal	2,996		\$509,401	\$502,442	\$6,959
DIVISION 53 - Mechanical					
Senior Mechanic-Crane Cert	380	\$187	\$70,915	\$35,457	\$35,457
Senior Mechanic	82	\$182	\$14,928	\$1,493	\$13,435
Mechanic II	1,229	\$166	\$203,405	\$48,817	\$154,588
Supervisor	50	\$217	\$10,852	\$5,426	\$5,426
Subtotal	1,741		\$300,099	\$91,193	\$208,906
DIVISION 54 - Electrical					
Senior Instrument/Controls Tech	12	\$202	\$2,421	\$1,211	\$1,211
Instrument Tech	480	\$172	\$82,497	\$41,248	\$41,248
OPS Control Sys Spec	144	\$183	\$26,411	\$19,808	\$6,603
Senior Electrician	36	\$185	\$6,657	\$6,657	\$0
Electrician II	240	\$168	\$40,346	\$40,346	\$0
Supervisor	12	\$207	\$2,486	\$1,243	\$1,243
Subtotal	924		\$160,819	\$110,514	\$50,305
DIVISION 56 - Safety					
Safety Officer	48	\$121	\$5,787	\$2,893	\$2,893
Subtotal	48		\$5,787	\$2,893	\$2,893
DIVISION 40 - Engineering					
Senior Civil Engineer-SME	100	\$218	\$21,756	\$8,703	\$13,054
Subtotal	100		\$21,756	\$8,703	\$13,054
Total Labor	5,881		\$1,010,492	\$715,745	\$294,747
FTE's	2.8				

Note: FYE 2021 estimated labor rates includes 2.75% CPI increase effective January 1 of each 2020 and 2021 calendar years per DSRSD Bargaining MOU

Attachment 1

FY 2020-2021 LAVWMA OPERATION & MAINTENANCE BUDGET

	<u>Expense</u>	<u>Pumping</u>	<u>Pipeline</u>
<u>MATERIALS & SUPPLIES</u>			
Operations Supplies			
Calcium Thiosulfate	\$12,000	\$6,000	\$6,000
Supplies/Expenses (misc)	\$200	\$100	\$100
Subtotal	\$12,200	\$6,100	\$6,100
Mechanical Supplies			
Materials and supplies	\$10,000	\$9,000	\$1,000
Pump & equip repair parts	\$7,500	\$7,500	\$0
Air relief valve parts	\$5,000	\$0	\$5,000
Oils, lubricants	\$2,500	\$2,500	\$0
Subtotal	\$25,000	\$19,000	\$6,000
Electrical Supplies			
Instrument parts	\$3,200	\$1,600	\$1,600
Analyzer parts	\$12,100	\$8,800	\$3,300
MCC equipment/parts	\$3,200	\$3,200	\$0
SCADA parts	\$5,400	\$4,200	\$1,200
Soft-starter parts and repairs	\$1,600	\$1,600	\$0
Motor repairs	\$0	\$0	\$0
Replacement Actuators	\$0	\$0	\$0
Subtotal	\$25,500	\$19,400	\$6,100
Total Materials & Supplies	\$62,700	\$44,500	\$18,200
<u>LABORATORY ANALYSIS</u>			
Compliance Testing	\$11,300	\$9,300	\$2,000
Operational Support Testing	\$4,000	\$0	\$4,000
Special Sampling	\$15,000	\$0	\$15,000
Total Laboratory Analysis	\$30,300	\$9,300	\$21,000
<u>CONTRACTUAL SERVICES</u>			
Sub-surface Repairs	\$5,000	\$0	\$5,000
Street Sweeping	\$5,000	\$5,000	\$0
Cathodic Protection Survey and Repairs	\$30,000	\$0	\$30,000
Underground Service Alert	\$3,800	\$0	\$3,800
SCADA software maintenance contract	\$10,000	\$7,500	\$2,500
Rectifier monitoring 5-yr contract (FY22, \$40k)	\$0	\$0	\$0
Med voltage switchgear 3-yr PM (FY22, \$18k)	\$0	\$0	\$0
Arc Flash Study 5-yr (FY24, \$20k)	\$0	\$0	\$0
Motor rehab	\$0	\$0	\$0
HVAC Maintenance/Repairs	\$750	\$500	\$250
Termite/Pest Control	\$900	\$900	\$0
Landscape/weed maintenance	\$8,000	\$6,000	\$2,000
Janitorial Service	\$3,000	\$3,000	\$0
Fire Extinguisher Maint	\$200	\$200	\$0
Postage/Shipping Charges	\$250	\$250	\$0
Professional Services, misc	\$10,000	\$5,000	\$5,000
Total Contractual Services	\$76,900	\$28,350	\$48,550
<u>UTILITIES</u>			
Electricity (PG&E)	\$1,421,000	\$1,412,800	\$8,200
Water & Sewer (Pleasanton)	\$1,000	\$1,000	\$0
Water (EBMUD)	\$880	\$0	\$880
Telephone/communications/T-1	\$4,500	\$2,300	\$2,200
WW Treatment (DSRSD)	\$2,500	\$2,500	\$0
Total Utilities	\$1,429,880	\$1,418,600	\$11,280
<u>NON-ROUTINE</u>			
Pump Efficiency Testing	\$0	\$0	\$0
Corrosion Studies/Inspections	\$500	\$0	\$500
Med voltage switchgear 3-yr PM (FY22, \$18k)	\$0	\$0	\$0
Time delay switches for electrical switchgear	\$8,000	\$8,000	\$0
LAVWMA PS PLC Upgrade (placeholder, \$160k)	\$0	\$0	\$0
Total Non-Routine	\$8,500	\$8,000	\$500
TOTAL O&M BUDGET (LABOR, MATERIALS & SERVICES)	\$2,618,772	\$2,224,495	\$394,277

Attachment 2

HISTORY OF BUDGETS COMPARED TO ACTUAL EXPENSES

	PREVIOUS YEARS BUDGET HISTORY						CURRENT YEAR		NEXT YEAR
	Approved		Actual		Approved		Actual		Proposed
	Budget	Expenses	Budget	Expenses	Budget	Expenses	Budget	Expenses	Budget
	FY 2016-17	FY 2016-17	FY 2017-18	FY 2017-18	FY 2018-19	FY 2018-19	FY 2019-20	YTD thru Feb FY 2019-20	FY 2020-21
Labor									
Staff	\$796,410	\$632,100	\$784,903	\$628,595	\$864,466	\$851,617	\$983,447	\$521,129	\$1,010,492
Subtotal	\$796,410	\$632,100	\$784,903	\$628,595	\$864,466	\$851,617	\$983,447	\$521,129	\$1,010,492
Materials & Supplies									
Operations supplies	\$200	\$3,144	\$13,200	\$14,501	\$14,200	\$306	\$12,200	\$330	\$12,200
Mechanical supplies	\$25,000	\$20,187	\$32,000	\$36,083	\$25,000	\$2,994	\$25,000	\$5,159	\$25,000
Electrical supplies	\$20,000	\$24,314	\$20,000	\$99,565	\$24,500	\$17,642	\$25,500	\$18,878	\$25,500
Subtotal	\$45,200	\$47,645	\$65,200	\$150,148	\$63,700	\$20,942	\$62,700	\$24,367	\$62,700
Laboratory analysis									
Compliance	\$18,000	\$17,678	\$18,000	\$8,851	\$18,000	\$9,256	\$11,300	\$6,230	\$11,300
Operational	\$3,000	\$3,696	\$3,700	\$3,696	\$3,700	\$3,960	\$4,000	\$2,640	\$4,000
Special Sampling	\$2,500	\$1,392	\$5,000	\$15,061	\$5,000	\$15,827	\$15,000	\$10,404	\$15,000
Subtotal	\$23,500	\$22,766	\$26,700	\$27,608	\$26,700	\$29,043	\$30,300	\$19,274	\$30,300
Contractual Services									
Sub-surface Repairs	\$5,000	\$0	\$5,000	\$0	\$5,000	\$0	\$5,000	\$0	\$5,000
Street Sweeping	\$5,000	\$2,860	\$5,000	\$2,805	\$5,000	\$3,261	\$5,000	\$3,205	\$5,000
Cathodic Protection Survey and Repairs	\$16,000	\$24,000	\$16,000	\$0	\$26,000	\$0	\$30,000	\$18,050	\$30,000
Underground Service Alert	\$550	\$1,141	\$1,140	\$2,806	\$1,140	\$3,782	\$3,800	\$7,979	\$3,800
SCADA software maintenance contract	\$10,000	\$43,585	\$10,000	\$7,209	\$10,000	\$19,569	\$10,000	\$10,051	\$10,000
HVAC Maintenance/Repairs	\$750	\$0	\$750	\$0	\$750	\$405	\$750	\$0	\$750
Termite/Pest Control	\$850	\$888	\$900	\$890	\$900	\$1,154	\$900	\$0	\$900
Landscape/weed maintenance	\$12,500	\$8,346	\$8,500	\$5,404	\$8,500	\$12,743	\$8,000	\$7,354	\$8,000
Janitorial Services					\$0	\$3,025	\$3,000	\$3,960	\$3,000
Fire Extinguisher Maint	\$200	\$202	\$200	\$166	\$200	\$0	\$200	\$0	\$200
Postage/Shipping Charges	\$250	\$0	\$250	\$0	\$250	\$0	\$250	\$0	\$250
Professional Services, misc	\$10,000	-\$17,939	\$10,000	\$32,567	\$10,000	\$75,145	\$10,000	\$972	\$10,000
Subtotal	\$61,100	\$63,083	\$57,740	\$53,042	\$67,740	\$119,083	\$76,900	\$51,571	\$76,900
Utilities									
Electricity (PG&E)	\$1,046,498	\$1,302,546	\$1,135,605	\$1,068,326	\$1,157,313	\$1,362,928	\$1,347,600	\$737,188	\$1,421,000
Water & Sewer (Pleasanton)	\$1,000	\$710	\$1,000	\$1,034	\$1,000	\$753	\$1,000	\$674	\$1,000
Water (EBMUD)	\$700	\$737	\$880	\$933	\$880	\$871	\$880	\$555	\$880
Telephone/communications/IT-1	\$4,500	\$5,368	\$4,500	\$4,779	\$4,500	\$4,569	\$4,500	\$3,417	\$4,500
WW Treatment (DSRSD)	\$2,500	\$959	\$2,500	\$0	\$2,500	\$0	\$2,500	\$0	\$2,500
Subtotal	\$1,055,198	\$1,310,319	\$1,144,485	\$1,075,073	\$1,166,193	\$1,369,121	\$1,356,480	\$741,834	\$1,429,880
Non-Routine									
Pump Efficiency Testing	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Corrosion Studies/Inspections	\$5,000	\$0	\$0	\$297	\$5,000	\$297	\$500	\$0	\$500
Med voltage switchgear 3-yr PM (FY22, \$18k)	\$0	\$0	\$0	\$0	\$10,900	\$0	\$0	\$0	\$0
Time delay switches for electrical switchgear							\$8,000	\$0	\$8,000
LAVVMA PS PLC Upgrade (placeholder, \$160k)							\$0	\$0	\$0
Subtotal	\$5,000	\$0	\$0	\$297	\$15,900	\$297	\$8,500	\$0	\$8,500
Grand Total	\$1,986,408	\$2,075,913	\$2,079,028	\$1,934,763	\$2,204,698	\$2,390,102	\$2,518,327	\$1,358,175	\$2,618,772
Export Flow (AF)	11,577	12,482	12,516	12,163	12,322	5,214	12,565	4,788	10,814
Export Flow (MG)	3,772	4,067	4,078	3,963	4,015	1,699	4,094	1,560	3,524
Cost (\$/AF)	\$172	\$166	\$166	\$159	\$179	\$458	\$200	\$284	\$242
Cost (\$/MG)	\$527	\$510	\$510	\$488	\$549	\$1,407	\$615	\$871	\$743

Attachment 3

LAVWMA LABOR ESTIMATING

USED FOR BOTH
FYE 2020 & FYE 2021

PERSONNEL

Division 51 - Field Operations (Distribution)		72
Water-Wastewater Sys OP IV	TV inspection of export pipe, 1/2 day/year, 2 Operators	16
Water-Wastewater Sys OP IV	Traffic control for vault entries, misc	16
Water-Wastewater Sys OP IV	Vacuum cleaning assistance at basins	32
Supervisor	Inspections/coordination/direction of staff and related activities	8
Division 52 - Treatment Plant Operations		2996
Process Lead Operator V	Pump efficiency testing and SOP's, planning, inspections	200
Senior WWTP Operator III	Spot checks on off-shifts and weekends + hours for storms	590
Senior WWTP Operator III	Daily pump station operation/monitoring, 3 hrs/day 5 days per week	1000
Senior WWTP Operator III	San Leandro Sample Station checks, pipeline inspections, flapper valve testing	1156
Supervisor	Inspections/direction of staff and activities, 2 hours/week	50
Division 53 - Mechanical Maintenance		1741
Senior Mechanic-Crane Cert	Regular maintenance, 4 hrs/day, 2 days per week	380
Senior Mechanic (USA)	USA Marking, when other trained employees are not available	82
Mechanic II	PM's and misc repairs, as needed	200
Mechanic II Crane Cert	PM's and misc repairs, as needed	200
Mechanic II (USA)	USA Marking, 1 hour per day, 5 days per week	269
Mechanic II	Confined space entries, 4 weeks/year, 2 employees	560
Supervisor	Inspections/direction of staff and activities, 1 hour/week	50
Division 54 - Electrical & Instrumentation Maintenance		924
Senior Instrument/Controls Tech	Instrument replacement/SCADA troubleshooting, 1 hr/month	12
Instrument Tech	Instrument checks/calibration 40 hrs/month	480
OPS Control Sys Spec	SCADA system repairs/programming, 12 hrs/month	144
Senior Electrician	Switchgear & electrical inspections and repair 3 hrs/month	36
Electrician	Switchgear & electrical inspection/repairs, 20 hrs/month	240
Supervisor	Inspections/direction of staff and activities, 1 hr/month	12
Division 56 - Safety		48
Safety Officer	Special safety inspections of LAVWMA facilities	48
Division 40 - Engineering		100
Senior Civil Engineer-SME	Assistance with engineering, maintenance, and bidding issues	100
TOTAL BILLABLE LABOR HOURS		5881
FTE's		2.83

Figure 1
FY 2020-2021 Flow Projections

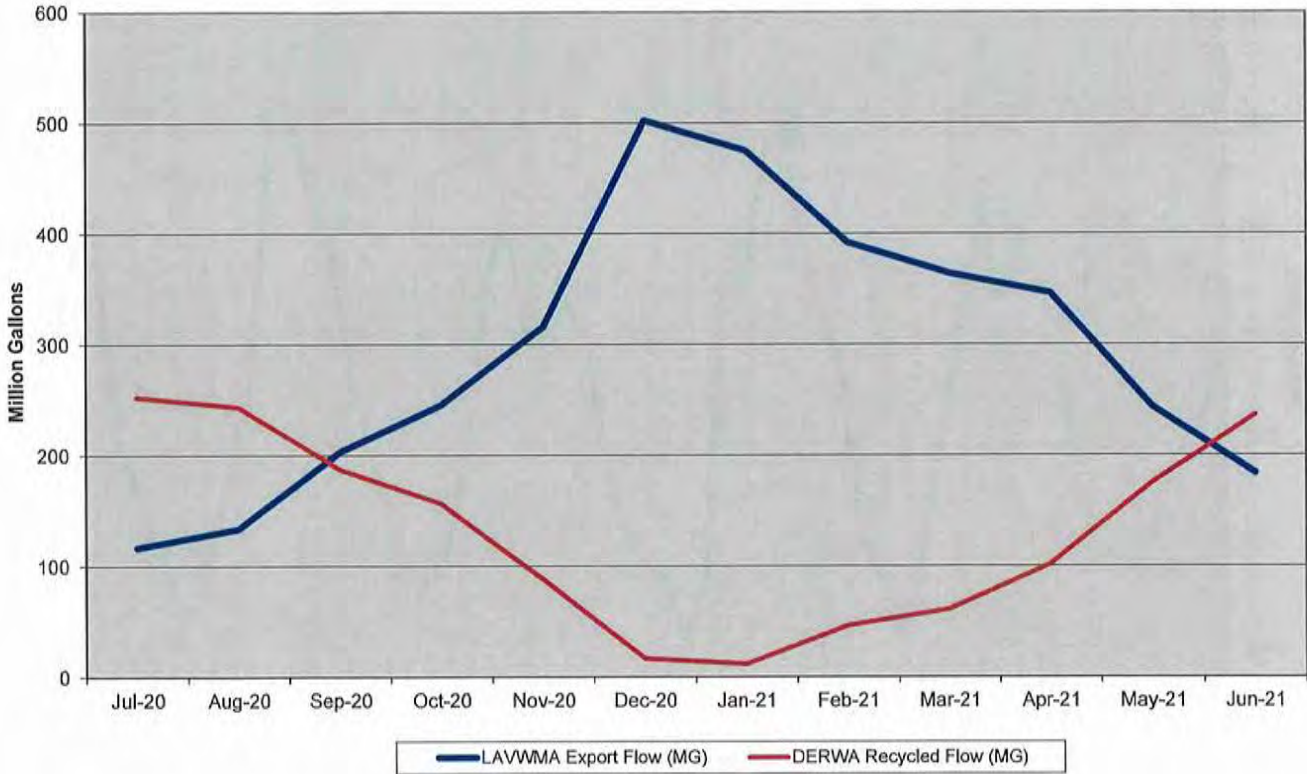
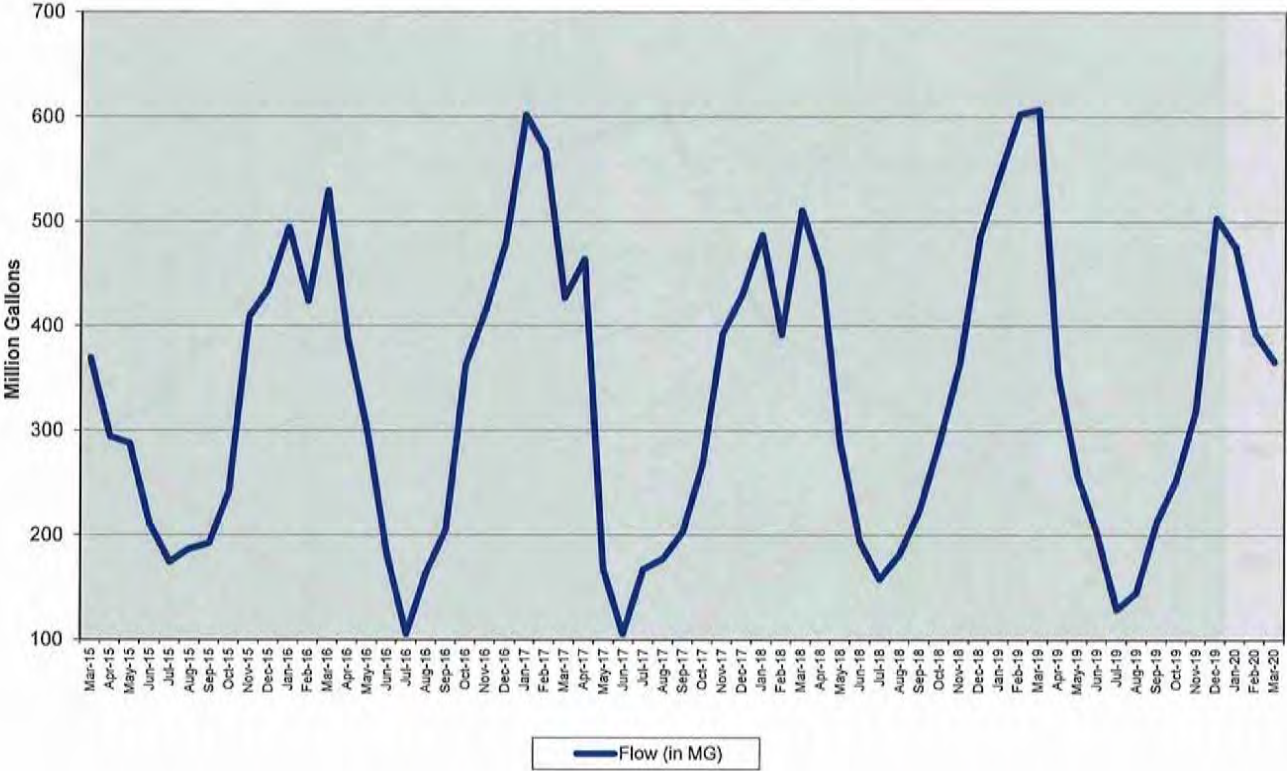


Figure 2
LAVWMA Monthly Export Flow 5-Year History



Page 1

Agenda Explanation
 Livermore-Amador Valley
 Water Management Agency
 Board of Directors
 May 20, 2020

ITEM NO. 11 PROJECT STATUS REPORTS - RISK ANALYSIS OF THE PUMP STATION / FAILURE ANALYSIS OF THE FORCEMAIN SYSTEM PROJECT AND ENGINEERING SERVICES FOR THE MOTOR CONTROL CENTER REPLACEMENT PROJECT

Action Requested

None at this time.

Summary

At the August 21, 2019 Board meeting the Board authorized the General Manager to issue two Requests for Proposal (RFP) for critical pump station projects. The first RFP was to conduct a risk analysis of the pump station electrical system, system storage capabilities, and a failure analysis of the forcemain system. As a reminder, this RFP was designed to help evaluate the risk associated with the potential loss of electrical power due to PG&E's PSPS program or other outages, explore alternatives such as using a generator as a backup to allow pumping or storing effluent for up to five days until power is restored, as well as provide an inspection of the forcemain and evaluation of its remaining useful life. The Board also authorized the General Manager to; (a) form a selection committee to evaluate the proposals and (b) award a Professional Services Agreement to the selected Proposer, if any, in an amount not to exceed \$250,000.

The second RFP is to design the Motor Control Center (MCC) Replacement Project. As a reminder, this project involves the design and engineering necessary to bring the two MCCs at the pump station to modern standards since the starters are coming to the end of their useful life and/or have obsolete equipment that cannot be replaced. The Board also authorized the General Manager to; (a) form a selection committee to evaluate the proposals and (b) award a Professional Services Agreement with the selected Proposer, if any, in an amount not to exceed \$225,000.

Risk/Failure Analysis and Pipeline Inspection Project Status

HydroScience (HS) was selected for this project. A copy of the final scope, which was revised slightly in light of new information indicating a relatively low risk to LAVWMA regarding a PSPS power outage, including the schedule and cost is included as **Attachment No. 11.a** for the Board's information. This project is a critical path item and proceeding despite COVID-19 issues. Meetings are being held as webinars. Expectations are that the tasks associated with the pump station and capacity issues will be completed as scheduled to assist with the EBDA Master Agreement negotiations. The pipeline inspection portion of this project has been delayed due to COVID-19 issues suspending non-essential work but may be able to resume in light of the recent change in the Public Health Officer's shelter in place order. Internally, work continues to be

done to identify key segments for inspection. In addition, a detailed GIS map has been produced. Unfortunately, the document is too large to include in the packet. It can be displayed and discussed during the Board meeting. This document and its associated database include a description of each segment of pipeline, including material and thickness. This will be extremely useful moving forward for asset management and future inspection plans.

MCC Replacement Design Project Status

DTN Engineers was awarded the engineering portion of this project. A copy of the scope, schedule, and cost is included as **Attachment No. 11.b** for the Board's information. The kickoff meeting was held in person on March 3, 2020. Inspection of the MCCs was originally scheduled in early April but had to be postponed due to COVID-19 issues. Both MCCs were inspected the week of May 4, 2020 after the shelter in place order was revised, which will allow the design to proceed in a timely manner. Since this was planned as a two-year project, it is expected that it can be completed on schedule.

Recommendation

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

Attachments

- 11.a HydroScience scope, schedule, and cost.
- 11.b DTN Engineers scope, schedule, and cost.

EXHIBIT A

**Livermore-Amador Valley Water Management Agency
Storage and Flow Analysis and Pipeline Inspection and Evaluation
SCOPE OF WORK AND SCHEDULE**

**HYDROSCIENCE ENGINEERS
March 9, 2020**

Consultant shall provide an evaluation of the LAWVMA Export Pump Station and Pipeline facilities, divided into the following two discrete elements:

1. **Flow, Storage, and EBDA Capacity Analysis:** Analysis of existing and future LAWVMA flows and storage operation to determine interruptible wet weather flow capacity needs in the EBDA system, and evaluation of associated regulatory options for local discharge
2. **Pipeline Inspection and Evaluation:** Inspect selected portions of the LAWVMA pipelines and project remaining useful life of each section tested. Use best professional judgment and the findings of the sections tested to provide an estimated useful life for the remaining pipeline sections.

The following presents a task breakdown of the scope of work.

Task 1: Project Management and Coordination

Consultant shall manage the project, prepare status reports to be provided with invoices, coordinate the activities of the team members, prepare and update a project schedule, and facilitate team communications throughout the project.

Consultant shall plan and conduct the following project meetings with LAWVMA and its member agency staff:

1. **Flow, Storage, and EBDA Capacity Analysis:**
 - Meeting #1: Review Model Inputs and Wet Weather Operations Assumptions
 - Meeting #2: Review Model and Regulatory Analysis Preliminary Findings
 - Meeting #3: Review Draft Report
2. **Pipeline Inspection:**
 - Meeting #4: Develop Inspection Plan

Consultant will facilitate ongoing collaboration, including calls, emails, and visits to collaborate with key agency staff as the project progresses. During review of operational flow and basin level data, we may seek clarification on the data from treatment plant operators. During development of the pipeline inspection plan, we will seek input on pipeline areas of concern, history of maintenance issues, observations, and feasible methods and best timing for shutting down and dewatering pipeline segments for inspection. Our storage analysis will further inform inspection planning timings and durations.

Meetings:

- Four meetings as described above

EXHIBIT ADeliverables:

- Agenda and minutes (PDF)
- Progress reports (PDF)
- Project schedule (PDF)

Task 2: Confirm Wet Weather SOP for Pump Station and Storage

The Consultant shall work with LAVWMA and the joint agencies to confirm the current Standard Operating Procedure (SOP) for operation of the treatment plants and all storage basins during wet weather conditions.

There is an existing Wet Weather Facilities Operations Plan dated November 2012 available on [LAVWMA's website](#). It defines the order in which storage basins are filled, target maximum basin levels, target pumping rates, and conditions for local discharge of flows if required. The SOP is presented in a narrative format along with a diagram of flows and basin operations.

Consultant shall review the SOP ahead of Meeting #1 to identify key assumptions for discussion at the meeting. Consultant shall also review the storage modeling conducted by Carollo Engineers in 2008 to identify key assumptions from the SOP used in the modeling.

The purpose of this task is to review the SOP in-person with LAVWMA, DSRSD, and Livermore operations staff at Meeting #1 to confirm that it reflects current practices. Where the SOP does not reflect current practice, the operations team shall provide updates. The updated SOP logic will be used in storage modeling to be conducted under Task 3.

Deliverables:

- Updated Wet Weather Facilities Operations Plan (Markup of existing PDF) to be used for Storage Modeling in Task 3, reflecting feedback from Meeting #1

Task 3: Pump Station Flow, Storage, and EBDA Capacity Analysis

LAVWMA owns 19.72 MGD firm capacity in the EBDA system. The current Master Agreement between EBDA and LAVWMA provides for total capacity of 41.2 MGD, of which everything above 19.72 is interruptible. The 19.72 MGD threshold has historically been calculated as a daily total but this is expected to change to a 3-hour maximum equivalent daily rate to reflect the terms of the 2019 EBDA Joint Exercise of Powers Agreement (JEPA).

The Consultant shall analyze existing and predicted future wet weather flows in conjunction with planned operations of storage basins at Livermore, DSRSD, and the LAVWMA Pump Station. Based on this analysis, the Consultant shall estimate wet weather discharge needs over the next twenty years. Then, Consultant shall determine the effect of purchasing various levels of interruptible capacity in the EBDA system (including zero interruptible capacity) based on anticipated surface water discharges to San Lorenzo Creek. LAVWMA's goal is determine interruptible capacity needs in the EBDA system based on cost, environmental impacts, and other criteria.

The Consultant will rely on the following existing information and tools, which has been or will be provided by LAVWMA, to complete this analysis:

- Hourly treatment plant effluent flow data for the last five years

EXHIBIT A

- Hourly LAVWMA pump station discharge flow data for the last five years
- Future-year flow projections (e.g., 2040) for Livermore and DSRSD treatment plants, including components of Average Dry Weather Flow (ADWF)
- Consultant will also rely upon the 2008 Phase V SWMM-based model files obtained from Carollo Engineers.

This scope of work assumes that Consultant will not need to generate wet weather flow projections, analyze rainfall-dependent I/I, or construct or calibrate a new computer model.

Consultant shall update the Phase V SWMM-based model only for the purposes of updating the Wet Weather SOP (Task 2, Meeting #1), flow projections for ADWF to be provided by LAVWMA as described above.

The storage analysis will assume that discharge to the Alamo Canal is fixed at a one-in-ten-year hydrologic event (discharging more frequently would involve re-negotiating the MOU with Alameda County Water District), but that additional shallow water discharges to San Lorenzo Creek may be permissible. The results of this flow and storage analysis will provide:

Scenario A. Determination of maximum flow rates to be routed to the LAVWMA export pump station over a 3-hour and 24-hour time period, for a one-in-ten year event (larger events would spill to Alamo Canal).

Scenarios B, C, and D. Determination of the estimated discharge frequency to San Lorenzo Creek (currently identified as once every 1.5 years in the NPDES Permit) for at least 3 possible scenarios for purchasing EBDA interruptible capacity beyond the existing 19.72-MGD-equivalent. The purpose of this analysis is to support negotiations for the renewed agreement with EBDA.

Scenario \ Variable	Discharge Frequency to San Lorenzo Creek	EBDA Capacity
Baseline	1-in-1.5 years	19.72 MGD per 24 hours Firm Capacity, 41.2 MGD Interruptible Capacity (Baseline)
A	1-in-1.5 years	Corresponding 3-hour Interruptible Capacity To be Determined
B	Frequency to be Determined	Capacity Scenario #1
C	Frequency to be Determined	Capacity Scenario #2
D	Frequency to be Determined	Capacity Scenario #3

Deliverables:

- Technical Memorandum summarizing preliminary results of Task 3 (Storage Modeling) and Task 4 (Regulatory Analysis), for discussion in Meeting #2

Assumptions:

- Model re-calibration will not be performed. Hourly flow data will be collected for reference purposes only.

Task 4: Regulatory Analysis and Pump Station Power & Control Evaluations

LAVWMA holds an NPDES permit (No. CA0038679) for discharge to the Alamo Canal under extreme wet weather conditions expected roughly once every 10 years. The NPDES permit also allows discharge of up to 21.5 MGD to San Lorenzo Creek, expected to occur roughly once in 1.5 years. The current permit (Order No. R2-2016-0015) limits discharge to San Lorenzo Creek

EXHIBIT A

to periods when LAVWMA is fully utilizing the “maximum allowed hydraulic capacity available” in the EBDA pipeline. Discharge to the Alamo Canal is only allowed when LAVWMA is using the “maximum export pump capacity by full export of 41.2 MGD to the EBDA pipeline.”

Consultant shall conduct an evaluation of the steps required to permit increased usage of the existing discharge points to San Lorenzo Creek. Increased discharge to the Alamo Canal will not be considered due to the potential impact of this discharge location on potable water supplies of Alameda County Water District, which diverts water from Alameda Creek, to which the Alamo Canal is tributary. The Regional Water Board’s *Water Quality Control Plan for the San Francisco Bay Basin* also considers San Lorenzo Creek to support the MUN (municipal or domestic water supply) beneficial use, but there are no known potable water users downstream of the point of discharge.

The purpose of this task is to define the level of effort involved in permitted increased frequency of discharge to San Lorenzo Creek, so that this can be weighed against the costs of purchasing capacity in the EBDA system. The potential case that can be made for improving overall water quality and water conservation (recycling) would also be developed to a preliminary level as part of this task.

Meetings with the Water Board, development of a formal request to modify the permit, and assistance with negotiations are not included in this task, but these steps will be described and outlined in this report for future implementation.

Discharge to Alamo Canal requires diverting from the LAVWMA pump station to a ditch. Control gates need to be opened and or closed quickly to ensure effective diversion of flows. Consultant shall analyze the capacity of the existing LAVWMA standby generator to determine if all necessary control items as well as the gates can be operated during a power outage. If the generator capacity is inadequate, consultant shall recommend a suitable-sized generator. LAVWMA shall provide relevant background information including nameplate data for generator and emergency-powered equipment and current single line diagram.

Consultant shall evaluate, at a planning level, the improvements required to implement computer-controlled coordination of flows and storage levels to maintain discharges to EBDA at or below 19.72 MGD. The evaluation will be conducted in partnership with agency staffs who best understand their respective SCADA control and communications systems. Consultant shall define the major elements of control required to achieve this coordination, based on the results of the storage and flow modeling effort. Consultant will meet with agency staffs to gather feedback on what modifications to SCADA systems would be needed to implement this coordinated control. Consultant will document the results of this analysis in the report and produce a planning-level cost estimate for the changes.

Deliverables:

- See Task 3

Task 5: Prepare Wet Weather EBDA Capacity Options Report

Based on the results of Tasks 1-4, Consultant shall develop the project report to document the analysis of wet weather capacity requirements in the EBDA system. The draft report will be presented in a meeting, discussed, and finalized based on agency consensus. Consultant shall be available to present their findings and recommendations to the LAVWMA Board upon request.

EXHIBIT ADeliverables:

- EBDA Capacity Evaluation Report, draft and final (PDF)

Task 6: Pipeline Inspection and Evaluation Planning and Implementation

Consultant shall inspect selected portions of the LAVWMA gravity and pressure pipelines to assess whether there are any maintenance or excessive wear issues affecting remaining useful life. Based on results of first inspections, consultant shall determine if additional sections should also be inspected. Consultant shall estimate remaining useful life of each section tested.

The pipeline inspection will help determine pipeline condition and remaining useful life in locations of potential concern. Exact locations will be determined based on input from agency staff, maintenance history, pipe age, pipe material, time since last inspection, cost-effectiveness, ability to drain, and accessibility. LAVWMA has provided a list of inspection locations throughout the gravity and pressure portions of the system; this list will be consulted to inform inspection work plan development in coordination with LAVWMA. Another concern is an observed unexplained hydraulic capacity difference between the two parallel force mains. The inspection plan shall include a focus on these areas (to the extent feasible) and others identified during the collaborative process.

Consultant shall utilize National Plant Services, Inc. (NPS), a PACP-certified inspection firm, to perform all inspections. NPS' tasks will include pre-planning in coordination with our team and the agencies, deployment, and data processing/delivery. Consultant shall utilize one or more of the following technologies for pipeline inspections:

- Multi-sensor platform: The Carylton 3D LIDAR system is mounted on both a tracked and floating platform, with a high-quality custom A-Zoom camera and 3D Laser (LiDAR). If used, the likely combination of equipment would include a Rausch Diode laser and CCTV for data collection in one pass.
 - Laser: Rausch Diode laser or 3D Laser (LiDAR).
 - Sonar: Sonar only works under the water line and requires a minimum depth of water over debris levels to operate.
 - CCTV: Used alone, or in conjunction with laser and/or sonar. Independent range is between 1000 to 2000 feet depending on number of fittings, deflections, and/or obstacles. Can be paired with a jet-vac if pre-cleaning is needed.
- Pole cameras: Camera dropped into each access way to obtain visual photos inside the pipeline, each direction.
- Man entry: Per OSHA requirements; applies only to large diameter sections/segments.
- Ultrasonic thickness testing: Performed at access points by chipping away mortar or coating to get to bare metal.

Level 1 or 2 manhole inspections shall be performed only in structures accessed for inspections.

Consultant will work closely with LAVWMA and agency operators during the inspection planning process. The inspection plan will incorporate access point reconnaissance and address access, traffic control, dewatering, blind flange removal, insertion of the platform, deployment lengths, and inspection methods, and will include plans to adjust for unforeseen conditions including dewatering difficulties and access challenges. It is assumed that LAVWMA and agency staff will prepare the pipeline and open it up for access at each location. Access for the pipeline

EXHIBIT A

inspections is anticipated to occur at existing gravity and pressure access manholes and ARV/blowoff manholes along the pipeline. The Export Pipeline includes a series of these access points, with pipeline entry points through 24" manways, sufficient for insertion of the MSI platform. Available entry points on the DSRSD and Livermore pipelines will be coordinated with those agencies.

The pipeline inspection fee of \$45,000 is based on a daily rate (8 hour days) of \$7,500 for three technicians using a multi-sensor platform, for a total of 6 days, and inspection report. Additional inspection days may be achieved by utilizing alternate methods to multi-sensor equipment in order to maximize inspection lengths/locations. Consultant will work with LAVWMA and joint agencies to finalize locations, extent, and methods for inspections under this cost ceiling. Dewatering, opening and resealing manways, traffic control, etc. is not included in this per-day rate and is assumed to be provided by LAVWMA. LAVWMA and joint agencies will coordinate and secure permissions for access within private property easements.

Assumptions:

- **LAVWMA and agency staff will prepare the pipeline as needed both to support inspection planning and to perform physical inspections, which may include but not be limited to dewatering, opening and resealing manways, and debris removal.**
- **Per LAVWMA, dewatering of the system at certain locations, such as siphons, is infeasible within an acceptable shutdown window. The inspection plan will be developed to target only areas where dewatering by LAVWMA and inspection by Consultant can occur within a feasible shutdown time window.**
- Includes up to one day for site visits by consultant, accompanied by agency staff, during inspection plan preparation.
- Inspection plan will be tailored to one or more technologies and associated laborers, working within the budget provided herein.
- **Assumes cleaning is not required, but this can be provided at an additional cost.**
- Includes one meeting with LAVWMA and agency staff to review draft inspection plan (Task 1).
- Encroachment permits for inspection work performed in the public right-of-way will be no fee permits.
- **Traffic control is not included in this scope (assumed to be by LAVMWA) but may be provided at additional cost.**
- **LAVWMA and agency staff will coordinate with private entities for permission to enter and access the pipeline on consultant's behalf.**
- **Inspection progress is dependent on efficiency in accessing each line, assuming advance preparation to ready each segment has been completed by LAVWMA.**

Deliverables:

- Pipeline inspection plan and schedule, draft and final
- Encroachment permit application(s)

Task 7: Prepare Pipeline and Evaluation Report and Useful Life Determination

Following review of inspection findings, a Pipeline Report will be prepared to document the pipeline inspections and compare current pipeline condition to manufactured dimensions for new pipe, identify areas of concern and potential mitigating actions, estimate remaining useful life, and provide recommendations for future inspection/ monitoring. If a cause for the differing hydraulic performance of the two parallel force mains is found, it will also be presented.

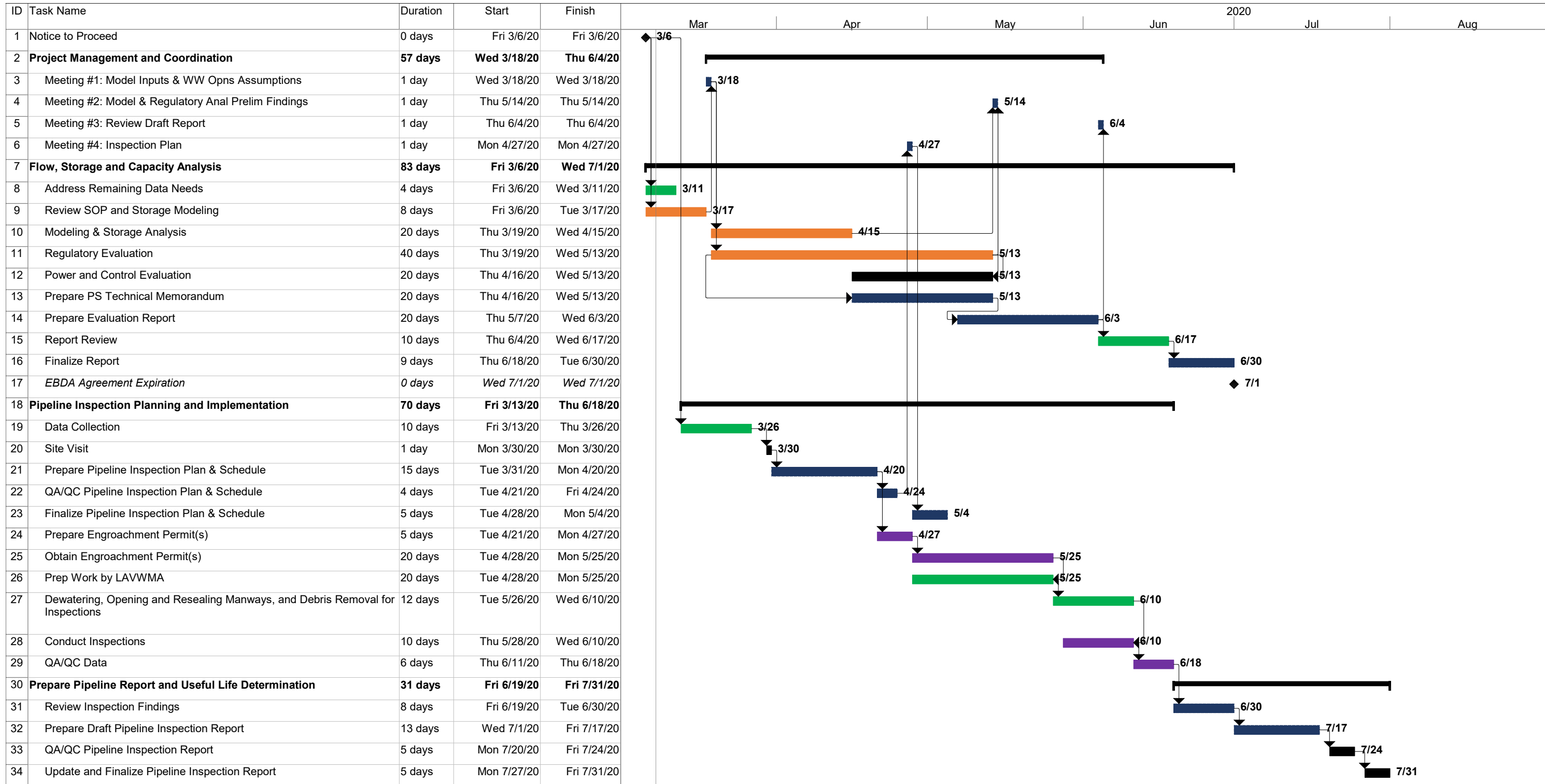
EXHIBIT A

Remaining useful life of pipelines inspected shall be characterized based on inspection technologies used as well as extrapolation of any available historical data and findings. The remaining useful life analysis will account for the following:

- Review of all inspection data collected during this project. For example, if CCTV and laser are both used, then PACP inspection data combined with corrosion and buildup data from laser inspection will serve as the basis for calculating remaining useful life.
- Review of historical data. For comparison against historical inspection data (current inspection results against historical inspection findings), a trending progression of rate of deterioration will be calculated. This rate may be straight line unless more than one inspection is/was performed on the same asset over time, and will be compared against the condition at the original in-service date, representing 100% remaining useful life.
- Use best professional judgment and the findings of the sections tested to provide an estimated useful life for the remaining pipeline sections.

Deliverables:

- Pipeline Inspection Data: Format dependent on technology(ies) used (PDF for software-generated reports and graphics; video footage and condition assessment reports for CCTV; jpeg images for camera inspections)
- Pipeline Inspection and Evaluation Report, draft and final (PDF)



LAVWMA Storage and Flow Analysis and Pipeline Inspect
Project Schedule
March 9, 2020

HydroScience		Summary		Woodard & Curran		All Team	
Milestone	◆	LAVWMA		National Plant Services			

Fee Proposal

LAVWMA Storage and Flow Analysis and Pipeline Inspection and Evaluation

March 9, 2020

Phase	Description	Curtis Lam, Principal in Charge	Bill Slenter Project Manager	Thinh Le E I&C Eval	Cindy Preuss Pipeline Eval	Engineering Support	HSE Hours	HSE Fee	Travel and Repro	Woodard & Curran Pipeline Support	Woodard & Curran Flow & Storage Analysis	National Plant Services	Direct Charges Markup	Expense Subtotal with Markup	Total Fee
		Princ	Princ	E-IV	Princ	E-II									
		\$240	\$240	\$180	\$240	\$160									
1	Project Management and Coordination														
	Project Management	3	20				23	\$5,520			\$9,194		\$460	\$9,654	
	Meetings (4)		35		10		45	\$10,800	\$150	\$1,240	\$4,480		\$294	\$6,164	
	Ongoing Coordination		24		12		36	\$8,640	\$150		\$4,480		\$232	\$4,862	
2	Confirm Wet Weather SOP for Pump Station and Storage														\$6,844
	Review SOP, Model, Prepare Markups		4				4	\$960			\$5,604		\$280	\$5,884	\$6,844
3	Pump Station Flow, Storage, and EBDA Capacity Analysis														\$37,797
	Flow and Capacity Analysis and Modeling		14				14	\$3,360			\$27,540		\$1,377	\$28,917	\$32,277
	Prepare Technical Memorandum		8	20			28	\$5,520					\$0	\$0	\$5,520
4	Regulatory Analysis and Pump Station Power & Control Evaluations														\$14,031
	Regulatory Analysis		4				4	\$960			\$5,534		\$277	\$5,811	\$6,771
	Pump Station Power & Control Evaluations		4	35			39	\$7,260					\$0	\$0	\$7,260
5	Prepare Wet Weather EBDA Capacity Options Report														\$25,160
	Prepare Draft and Final Report		12			8	20	\$4,160			\$20,000		\$1,000	\$21,000	
6	Pipeline Inspection Planning and Implementation														
	Initial Coordination and Site Visits		2		27	6	35	\$7,920	\$150				\$8	\$158	\$8,078
	Prepare Pipeline Inspection Plan		2		24	16	42	\$8,800		\$3,100			\$155	\$3,255	\$12,055
	Finalize Pipeline Inspection Plan		1		6	12	19	\$3,600					\$0	\$0	\$3,600
	Conduct Inspections		2		6	40	48	\$8,320	\$400			\$45,000	\$2,270	\$47,670	\$55,990
	Evaluate Results		4		20	24	48	\$9,600		\$3,100			\$155	\$3,255	\$12,855
7	Prepare Pipeline Report and Useful Life Determination														\$27,244
	Prepare Draft Report		14		24	50	88	\$17,120		\$1,530			\$77	\$1,607	\$18,727
	Update and Finalize Report		8		10	20	38	\$7,520		\$950			\$48	\$998	\$8,518
TOTAL		3	158	55	139	176	531	\$110,060	\$850	\$9,920	\$76,832	\$45,000	\$6,630	\$139,232	\$249,292



January 20, 2020

Mr. Charles V. Weir, General Manager
Livermore-Amador Valley Water Management Agency
7051 Dublin Boulevard
Dublin, CA 94568

Subject: Motor Control Center Replacement Project
Detailed proposal

Dear Mr. Weir,

Per your instructions, DTN is grateful to submit our detailed scope of work based on our submitted proposal for your approval as follows:

BACK GROUND

Currently, the pump station has two 2300V MCCs. They are MCC-P1 and MCC-P2. MCC-P1 was installed in 1979 and presently serves six 500HP pumps. The original manufacturer of the MCC-P1 is General Electric, and the starters are autotransformer type starters. MCC-P2 was installed in 2002 and presently serves four 600HP pumps. The manufacturer of MCC-P2 is Eaton, and the starters are also autotransformer type starters. While both MCCs have served reliably over the years because of excellent maintenance performed by DSRSD staff, some components of these MCCs are obsolete and hard to procure, and thus LAVWMA desires to have these two MCCs replaced with modern MCCs

SCOPE OF WORK

The scope of our work based on the submitted proposal includes the following tasks:

Task 1- Preliminary Engineering:

- a. Kick off meeting
- b. Field investigation and data collection
- c. Preliminary Technical Design Memo .

Task 2- Design Engineering to replace MCC-P1 and MCC-P2

- a. Produce Design drawings and submit 65%, 90% and Final Drawings.
- b. Produce Design/Technical Specifications for the project (Div 26 00 00 Series)
- c. Produce construction Cost Estimates

Task 3- Assistance during bidding:

- a. Attend pre-bid conference
- b. Assist with addenda if needed.

Task 4 - Construction Support services:

- a. Attend Pre-construction Kick-off meeting

- b. Review and provide Comments to the following shop drawings:
 - 1. Motor Control Centers P1 and P2
 - 2. General Electrical Materials
 - 3. Cut-over Construction Sequence
 - 4. O&M Manual for the replacement MCCs.
 - 5. Review and provide Replies to RFIs, RFCs, COs etc.
- c. Visit construction site to review progress (8 visits total)
- d. Provide Record Drawings of the followings:
 - 1. Replacement MCCs P1 and P2 per the Contractor's markups.
 - 2. Produce as-built drawings of the 480V MCCs and Panelboards

Task 5- Project Management:

- a. Coordinate with LAVWMA and monitor all activities

Task 6- Write a Technical Memo to discuss Export Pump Station Power Loss Risk due to PG&E Public Safety Power Shutoff (PSPS)

Task 7- Write a Technical Memo to discuss new PG&E Time-of-use rate and review the current Export Pump Station Operational Strategy and recommend possible enhancement to maximize energy savings.

ENGINEERING FEE

The proposed fee for the above tasks including ODCs is not-to-exceed per our fee schedule is \$223,805 unless amended by LAVWMA in writing. Please refer to attached spreadsheet for detailed hours and costs for each task.

SCHEDULE

Based on a standard lead time for medium voltage switchgear and MCC at 10 to 14 weeks, We estimate the construction schedule to be around 18 months total. The following detailed schedule with milestone dates is estimated based on the NTP of Feb 1, 2020.

Please contact the undersigned if there are any other questions regarding this scope and fee proposal. We are excitedly looking forward to the continued opportunity serving LAVWMA and DSRSD in the project.

Sincerely yours,



Diep Nguyen, PE, Project Manager

Attachments: Fee details and schedule

Dwg specs list and hrs

**LAVWMA Export Pump Station
 Motor Control Center Replacement Project
 FEE ESTIMATE FOR DESIGN & CONSTRUCTION SERVICES**

	PM Lead EE	EE	CADD Designer	OFFICE (SUPPORT)	MISC	TOTAL
Hourly Rate:	\$ 265.00	\$ 225.00	\$ 120.00	\$ 100.00		
TASK 1 - Preliminary Engineering						
a) Kick-off meeting	2	2				\$ 980.00
b) Field investigation, data collection	16	16				\$ 7,840.00
c) Prelim. design memo (Note 6)	8	12	10			\$ 6,020.00
TASK 2 - Design Engineering						
a) Design Drawings 65%, 90%, FINAL (Note 2)	94	100	256			\$ 78,130.00
b) Specifications (DIV 26 00 00 series) (Note 3)	8	10		10		\$ 5,370.00
c) Construction Cost Estimates						
TASK 3 - Bidding Services	6	12	24	10		\$ 8,170.00
a) Pre-Bid conference	4	4				\$ 1,960.00
b) Addendum	2	6	8			\$ 2,840.00
TASK 4 - Construction Support Services						
a) Pre-construction kick-off Meeting	4	4				\$ 1,960.00
b) Shop Drawing Review						
1. Motor Control Centers	8	24				\$ 7,520.00
2. Arc Flash Coordination Studies (Note 4)	4	16				\$ 4,660.00
3. General Electrical Materials	1	4				\$ 1,165.00
4. Cut-over Construction Sequence	2	8				\$ 2,330.00
5. O&M Manuals (MCCs)	2	6				\$ 1,880.00
6. RFI, RFC, COs	8	20	16			\$ 8,540.00
c) Construction Visits (8 visits)	32	8				\$ 10,280.00
d) As-built and Record Drawings (Note 7)	16	40	80			\$ 22,840.00
TASK 5 - Project Management (Note 5)						
a) Coordination and monthly activities (Note 8)	64	18		36		\$ 24,610.00
TASK 6 - TM - Pump Station Power Loss Risk due to PG&E PSPS	30	16		10		\$ 12,550.00
TASK 7 - TM- PG&E time-of-use rate and Pumping oper. strategy	24	20		8		\$ 11,660.00

TOTAL HOURS:	335	346	394	74		1149 HRS
SUB-TOTAL COST:	88,775.00	77,850.00	47,280.00	7,400.00	-	\$ 221,305.00
						Indirect costs such as printing, travel, mileages, meals, etc: \$ 2,500.00
						(Note 1) PROJECT TOTAL: \$ 223,805.00

SEE NOTES ON NEXT PAGE

NOTES:

1. It is not the intent of the estimate to limit the per task amount because some tasks may require more time and effort whereas some tasks may require less time and effort. It is the total project limit is intended as the not to exceed amount unless this total amount changed and approved by LAVWMA.
2. See attached list located in the Appendix of drawings with detailed hour per drawing. There are three required submittals: 65%, 90% and final drawings.
3. See attached list of Spec Sections located in the Appendix.
4. LAVWMA to provide original arc flash studies for data associated with existing power system.
5. It is assumed that day-to-day construction management be performed by a third party. DTN's responsibilities are mainly electrical support activities.
6. Brief design memo summarizes design criteria and approach.
7. Record drawings to include existing low voltage MCCs and Panelboards as requested by LAVWMA
8. Estimate effort for average 18 months overall project time frame

DTN Project #XXX
LAVWMA Export Pump Station - MCC Replacement Project

Drawing List

Dwg No.	Description
E-1	Drawing Index – Cover Sheet
E-2	Electrical Legend, Symbols and Construction Notes
E-3	Main Single-Line Diagram
E-4	MCC-P1 Single-Line Diagram Demolition
E-5	MCC-P1 Single-Line Diagram
E-6	MCC-P2 Single-Line Diagram Demolition
E-7	MCC-P2 Single-Line Diagram
E-8	Pump Control Schematic Diagram
E-9	PLC wiring modifications Sheet 1
E-10	PLC wiring modifications Sheet 2
E-11	PLC Panel details
E-12	Partial Station Site Plan
E-13	Enlarge Partial Site Plan
E-14	MCC Elevation Detail
E-15	MCC Plan - Demolition
E-16	Construction Details Sheet 1
E-17	Construction Details Sheet 2
E-18	Construction Details Sheet 3
E-19	Typical Construction Details
E-20	Demolition Details Sheet 1
E-21	Demolition Details Sheet 2
E-22	Simplified Single-Line and Construction Sequence Diagram

Specs List

Section	Description
260000	Requirements for Electrical Work
260008	Demolition Work
260750	Electrical Identification
262220	Motors
264220	Motor Control
269380	Power System Study
269200	Medium Voltage Motor Control Centers
269500	Electrical Testing

LAVWMA Export PS - Project Name: MCC Replacement

DRAWING MAN-HR ESTIMATE

Date: 10-04-2019

Drawings	Design	Drafting	Total Hrs
E-1	4	8	12
E-2	4	10	14
E-3	8	10	18
E-4	8	8	16
E-5	16	20	36
E-6	8	8	16
E-7	12	20	32
E-8	12	12	24
E-9	12	16	28
E-10	12	16	28
E-11	10	16	26
E-12	8	12	20
E-13	16	20	36
E-14	10	12	22
E-15	10	12	22
E-16	8	10	18
E-17	8	10	18
E-18	8	10	18
E-19	4	6	10
E-20	8	10	18
E-21	8	10	18
E-22	12	16	28

SUB-TOTAL: 194 256

TOTAL HRS: **478**

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

Action Requested

None at this time.

Summary

California Association of Sanitation Agencies (CASA) updated its bill tracking list on March 13, 2020 and is included as **Attachment No. 12.a**. Bills that are of interest to the member agencies include the following:

AB1672 (Bloom) Solid waste: nonwoven disposable products. CASA is both a sponsor and supporter of this bill and has been attempting to get the Legislature to act on so-called “disposable” wipes to no avail until COVID-19 struck. Due to shortages of toilet paper people started using baby wipes and flushing them down the toilet which resulted in many instances of clogged pipes and sanitary sewer overflows. The State Water Board even got involved and assisted with messaging that these products are not to be flushed down the toilet. Most agencies push the concept that only the three “Ps” are to be flushed: pee, poo, and (toilet) paper. This bill would require that products be clearly labeled that they should not be flushed down the toilet. It also prohibits manufacturers from marketing them as flushable.

AB2182 (Rubio, Blanca) Emergency backup generators: water and wastewater facilities. CASA is supporting this bill which would require emergency generators to comply with maintenance and testing procedures established by the National Fire Protection Association. It appears the bill would bypass some local air board requirements.

AB2560 (Quirk) Water quality: notification and response levels: procedures. CASA is supporting this bill which applies to public drinking water agencies. They would be required to issue notices to the public when contaminants are detected above maximum contaminant levels as established by the State Water Board.

SB45 (Allen) Wildfire Protection, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2020. This is a \$5.5Billion Bond Act that CASA is supporting. It is intended to provide funding for the items listed.

SB931 (Wieckowski) Local government meetings: agendas and documents. CASA has a watch position on this bill which would require public agencies to email agenda documents upon request.

SB996 (Portantino) State Water Resources Control Board: Constituents of Emerging Concern. CASA has taken a support position on this bill which would require the State Water Board to establish a program to support and conduct research and provide recommendations on constituents of emerging concern in drinking water.

SB1052 (Hertzberg) Water Quality: municipal wastewater agencies. CASA is both a supporter and sponsor of this bill which would allow wastewater agencies to enter into agreement with stormwater agencies for the purpose of managing stormwater and dry weather runoff and levy taxes and fees for said programs.

SB1056 (Portantino) Drinking water: testing: perfluoroalkyl and polyfluoroalkyl substances. CASA is watching closely this bill which would require the State Water Board to certify methodologies for testing water sources for PFAS substances and to accredit labs to perform those analyses.

SB1099 (Dodd) Emergency backup generators: critical facilities: exemption. CASA supports this bill which would require local air districts to have rules that allow emergency generators that are used in response to emergency electrical outages (i.e. PG&E Public Safety Power Shutoff events) not have those events count toward any limitations established by the air district.

Other bills that may be of interest to the member agencies include development fees, climate change, and microfibers. CASA supports the microfiber bills as they could reduce the quantity of microfibers that reach wastewater treatment plants.

The Hertzberg bill, SB332, which would prohibit wastewater discharges to the ocean and bays is inactive at this time. It was returned to the Secretary of the Senate in early February. As of this writing, it has not reappeared.

Also included for the Board's information is the current summary of issues from CASA's Regulatory Work Group Team, **Attachment No. 12.b**. The summary includes reports from both the Water and Land subgroups. As it might be expected, there is a great deal of information related to COVID-19 as well as PFAS issues.

California Special Districts Association (CSDA) is also tracking hundreds of bills on behalf of special districts. A review of CSDA's key bills will be included in the August 2020 Agenda Packet.

A series of Executive Orders may also be of interest to LAVWMA. The Board is familiar by now with EO N-33-20 the statewide Shelter in Place order issued on March 19, which required every Californian to stay home unless they were conducting essential business. The scope of

what an essential worker or essential business is has changed over the weeks since that order was issued. It is also informed by the County Public Health Officer's shelter in place orders. The Alameda orders have been revised several times, most recently on April 29. These orders allowed the operations at LAVWMA and the member agencies to continue as essential infrastructure. However, as noted above, certain projects for LAVWMA such as inspections for the MCC Replacement Project and Pipeline Inspection Project were delayed as a result of these shelter restrictions.

Executive Order N-25-20, which was superseded by N-29-20, established the ability of this Board and other public agencies to meet via "teleconference" under more modern requirements than what the Brown Act ordinarily allows. The General Manager worked closely with the General Counsel to ensure this meeting's agenda and procedures comply with the newly applicable rules and regulations.

More Executive Orders and emergency rules are issued every day. Some of them have the potential to impact LAVWMA depending on the timing, such as the Judicial Council's adoption of 11 temporary emergency rules for California Courts, which appears to toll the deadline to file a CEQA suit. Executive Order N-63-20 adopts some new rules relating to the way public hearings required by laws other than the Brown Act (such as CEQA or the Planning and Zoning law) must be conducted. LAVWMA staff and consulting team are working together closely to stay updated on these matters and modify our practices to conform, as necessary.

Recommendation

There is no recommendation at this time.

CASA Bill Positions 03/13/2020

[AB 1484](#) **(Grayson D) Mitigation Fee Act: housing developments.**

Current Text: Amended: 9/6/2019 [html](#) [pdf](#)

Introduced: 2/22/2019

Last Amend: 9/6/2019

Status: 9/9/2019-Read second time. Ordered to third reading. Re-referred to Com. on RLS. pursuant to Senate Rule 29.10(b).

Location: 9/9/2019-S. RLS.

Summary: The Mitigation Fee Act requires a local agency that establishes, increases, or imposes a fee as a condition of approval of a development project to, among other things, determine a reasonable relationship between the fee's use and the type of development project on which the fee is imposed. This bill would prohibit a local agency from imposing a housing impact requirement adopted by the local agency on a housing development project, as defined, unless specified requirements are satisfied by the local agency, including that the housing impact requirement be roughly proportional in both nature and extent to the impact created by the housing development project.

Position

Work w/Author

[AB 1567](#) **(Aguiar-Curry D) Organic waste: scoping plan.**

Current Text: Amended: 1/15/2020 [html](#) [pdf](#)

Introduced: 2/22/2019

Last Amend: 1/15/2020

Status: 1/28/2020-In Senate. Read first time. To Com. on RLS. for assignment.

Location: 1/28/2020-S. RLS.

Summary: Would, on or before December 31, 2021, require the Strategic Growth Council, in consultation with stakeholders and relevant permitting agencies, to prepare and submit to the Legislature a report that provides a scoping plan for the state to meet its organic waste, climate change, and air quality mandates, goals, and targets and would require the scoping plan to include, among other things, recommendations on policy and funding support for the beneficial reuse of organic waste.

Position

Watch

[AB 1672](#) **(Bloom D) Solid waste: nonwoven disposable products.**

Current Text: Amended: 1/23/2020 [html](#) [pdf](#)

Introduced: 2/22/2019

Last Amend: 1/23/2020

Status: 1/30/2020-Read third time. Passed. Ordered to the Senate. In Senate. Read first time. To Com. on RLS. for assignment.

Location: 1/30/2020-S. RLS.

Summary: The California Integrated Waste Management Act of 1989, administered by the Department of Resources Recycling and Recovery, generally regulates the disposal, management, and recycling of solid waste. This bill would require, commencing January 1, 2021, except as provided, certain nonwoven disposal products to be labeled clearly and conspicuously to communicate that they should not be flushed, as specified. The bill would prohibit a covered entity, as defined, from making a representation about the flushable attributes, benefits, performance, or efficacy of those nonwoven disposal products, as provided.

Position

Support/Sponsor

[AB 1924](#) **(Grayson D) Housing development: fees.**

Current Text: Introduced: 1/14/2020 [html](#) [pdf](#)

Introduced: 1/14/2020

Status: 1/23/2020-Referred to Coms. on L. GOV. and H. & C.D.

Location: 1/23/2020-A. L. GOV.

Summary: Would require that a fee levied or imposed on a housing development project by a local

agency be proportionate to the square footage of the proposed unit or units. By imposing additional duties on local agencies that impose fees under the Mitigation Fee Act, the bill would impose a state-mandated local program.

Position

Work w/Author

AB 1952 (Stone, Mark D) Washing machines: microfiber filters: state laundry facilities: pilot program.

Current Text: Amended: 2/24/2020 [html](#) [pdf](#)

Introduced: 1/17/2020

Last Amend: 2/24/2020

Status: 2/25/2020-Re-referred to Com. on A. & A.R.

Location: 2/6/2020-A. A. & A.R.

Summary: Would require the Department of General Services, in coordination with the California Environmental Protection Agency and as soon as feasible, to implement a pilot program for one year to assess the efficacy of microfiber filtration systems in removing microfiber from waste washwater from state-owned laundry facilities. The bill would require the department to monitor the presence of microfiber in waste washwater from 10 state-owned laundry facilities chosen to participate in the pilot program. The bill would require the department, by January 1, 2023, to submit a report to the Legislature on the results of the pilot program.

Position

Support

AB 2028 (Aguiar-Curry D) State agencies: meetings.

Current Text: Introduced: 1/30/2020 [html](#) [pdf](#)

Introduced: 1/30/2020

Status: 2/14/2020-Referred to Com. on G.O.

Location: 2/14/2020-A. G.O.

Summary: The Bagley-Keene Open Meeting Act requires that all meetings of a state body, as defined, be open and public, and that all persons be permitted to attend any meeting of a state body, except as otherwise provided in that act. Current law requires the state body to provide notice of its meeting, including specified information and a specific agenda of the meeting, as provided, to any person who requests that notice in writing and to make that notice available on the internet at least 10 days in advance of the meeting. This bill would, except for closed sessions, require that this notice include all writings or materials provided for the noticed meeting to a member of the state body by staff of a state agency, board, or commission, or another member of the state body, that are in connection with a matter subject to discussion or consideration at the meeting.

Position

Support, if amended

AB 2182 (Rubio, Blanca D) Emergency backup generators: water and wastewater facilities: exemption.

Current Text: Introduced: 2/11/2020 [html](#) [pdf](#)

Introduced: 2/11/2020

Status: 3/16/2020-In committee: Hearing postponed by committee.

Location: 3/2/2020-A. U. & E.

Summary: Would exempt the operation of an alternative power source, as defined, to provide power to a critical facility, as defined, from any local, regional, or state regulation regarding the operation of that source. The bill would authorize providers of essential public services, in lieu of compliance with applicable legal requirements, to comply with the maintenance and testing procedure set forth in the National Fire Protection Association Standard for Emergency and Standby Power System, NFPA 110, for alternative power sources designated by the providers for the support of critical facilities.

Position

Support

AB 2371 (Friedman D) Climate change: adaptation.

Current Text: Amended: 3/16/2020 [html](#) [pdf](#)

Introduced: 2/18/2020

Last Amend: 3/16/2020

Status: 3/17/2020-Re-referred to Com. on NAT. RES.

Location: 2/24/2020-A. NAT. RES.

Summary: Would require the Strategic Growth Council, by July 1, 2021, to convene a science advisory team of distinguished scientists to advise on climate planning and adaptation efforts in the state and to, among other things, review and make recommendations to improve the plan. The bill would require the council, by July 1, 2024, to submit to the relevant policy and fiscal committees of the Legislature a report summarizing the actions of the science advisory team, the team's contribution to climate resiliency and adaptation planning, and recommendations to improve the effectiveness of the team.

Position

Watch

AB 2452 (Garcia, Cristina D) State auditor: audits: high-risk local government agency audit program.

Current Text: Introduced: 2/19/2020 [html](#) [pdf](#)

Introduced: 2/19/2020

Status: 2/27/2020-Referred to Com. on A. & A.R.

Location: 2/27/2020-A. A. & A.R.

Summary: Would authorize the California State Auditor to include in the high-risk local government agency audit program any local agency or district association that the California State Auditor identifies as being at high risk for the potential of waste, fraud, abuse, or mismanagement or that has major challenges associated with its economy, efficiency, or effectiveness.

Position

Disapprove

AB 2547 (Gonzalez D) California Renewables Portfolio Standard Program: portfolio content: unbundled renewable energy credits.

Current Text: Introduced: 2/19/2020 [html](#) [pdf](#)

Introduced: 2/19/2020

Status: 3/12/2020-Referred to Coms. on U. & E. and NAT. RES.

Location: 3/12/2020-A. U. & E.

Summary: Current law requires retailer sellers to meet renewable energy procurement obligations by at least 75% of the electricity product that is from a renewable energy resource that meets various requirements, including the requirement on the first point of interconnection of the resource with the state or has an agreement to dynamically transfer electricity to a California balancing authority (category 1 products), for compliance periods after December 31, 2016. Current law authorizes retailer sellers to meet up to 10% of their renewable energy procurement obligations through the purchase of electricity products, including unbundled renewable energy credits (category 3 products) for compliance periods after December 31, 2016. This bill would increase the requirement for the purchase of category 1 products in meeting the retailers sellers renewable energy procurement obligations to 85% for compliance periods after December 31, 2020

Position

Watch

AB 2560 (Quirk D) Water quality: notification and response levels: procedures.

Current Text: Introduced: 2/19/2020 [html](#) [pdf](#)

Introduced: 2/19/2020

Status: 3/17/2020-In committee: Hearing postponed by committee.

Location: 3/12/2020-A. E.S. & T.M.

Summary: The California Safe Drinking Water Act requires the State Water Resources Control Board to adopt drinking water standards for contaminants in drinking water based upon specified criteria and requires any person who owns a public water system to ensure that the system, among other things, complies with those drinking water standards. The act requires a public water system to provide prescribed notices within 30 days after it is first informed of a confirmed detection of a contaminant found in drinking water delivered by the public water system for human consumption that is in excess of a maximum contaminant level, a notification level, or a response level established by the state board. This bill would require the state board to comply with specified public notice and comment and peer review procedures, as prescribed, when establishing or revising notification or response levels.

Position

Support

AB 2612 (Maienschein D) Greenhouse Gas Reduction Fund: recycling: appropriation.**Current Text:** Introduced: 2/20/2020 [html](#) [pdf](#)**Introduced:** 2/20/2020**Status:** 3/2/2020-Referred to Com. on NAT. RES.**Location:** 3/2/2020-A. NAT. RES.

Summary: Would, beginning in the 2020–21 fiscal year, would continuously appropriate \$100,000,000 from the Greenhouse Gas Reduction Fund annually to the Department of Resources Recycling and Recovery for in-state organic waste recycling projects that reduce greenhouse gas emissions and achieve certain organic waste disposal goals, as specified. The bill, beginning in the 2020–21 fiscal year, would also continuously appropriate \$100,000,000 from the fund annually to the department for in-state recycling projects that reduce greenhouse gas emissions and help achieve a specified state policy relating to solid waste, as specified.

Position

Support

AB 2619 (Stone, Mark D) Coastal resources: Program for Coastal Resilience, Adaptation, and Access.**Current Text:** Introduced: 2/20/2020 [html](#) [pdf](#)**Introduced:** 2/20/2020**Status:** 3/16/2020-In committee: Hearing postponed by committee.**Location:** 3/2/2020-A. NAT. RES.

Summary: Would establish the Program for Coastal Resilience, Adaptation, and Access for the purpose of funding specified activities intended to help the state prepare, plan, and implement actions to address and adapt to sea level rise and coastal climate change. The bill would create the Coastal Resilience, Adaptation, and Access Fund in the State Treasury, and would authorize the California Coastal Commission and specified state agencies to expend moneys in the fund, upon appropriation in the annual Budget Act, to take actions, based upon the best scientific information, that are designed to address and adapt to sea level rise and coastal climate change, as prescribed.

Position

Watch

AB 2680 (Aguiar-Curry D) Solid waste: green material: land application.**Current Text:** Amended: 3/16/2020 [html](#) [pdf](#)**Introduced:** 2/20/2020**Last Amend:** 3/16/2020**Status:** 3/17/2020-Re-referred to Com. on NAT. RES.**Location:** 3/2/2020-A. NAT. RES.

Summary: The California Integrated Waste Management Act of 1989, administered by the Department of Resources Recycling and Recovery, generally regulates the disposal, management, and recycling of solid waste. The act requires a disposal facility operator to submit information to the department on the disposal tonnages that are disposed of at the disposal facility. This bill would require that information to be submitted to the department quarterly and would additionally require a disposal facility operator to submit information on the disposal tonnages that are applied to the land as green material.

Position

Watch

AB 3054 (Salas D) California Environmental Quality Act: judicial challenge: litigation transparency: identification of contributors.**Current Text:** Introduced: 2/21/2020 [html](#) [pdf](#)**Introduced:** 2/21/2020**Status:** 2/24/2020-Read first time.**Location:** 2/21/2020-A. PRINT

Summary: Would require a plaintiff or petitioner, in an action or proceeding brought pursuant to the California Environmental Quality Act, to disclose the identity of a person or entity that contributes \$1,000 or more, as specified, toward the plaintiff's or petitioner's costs of the action or proceeding. The bill also would require the plaintiff or petitioner to identify any pecuniary or business interest related to the project or issues involved in the action or proceeding of those persons or entities. The bill would authorize a court to, upon request of the plaintiff or petitioner,

withhold public disclosure of a contributor if the court finds that the public interest in keeping that information confidential clearly outweighs the public interest in disclosure.

Position

Approve

AB 3145 (Grayson D) Local government: housing development projects: fees and exactions cap.

Current Text: Introduced: 2/21/2020 [html](#) [pdf](#)

Introduced: 2/21/2020

Status: 3/9/2020-Referred to Coms. on L. GOV. and H. & C.D.

Location: 3/9/2020-A. L. GOV.

Summary: Would prohibit a city or county from imposing a specified fee or exaction if the total dollar amount of the fees and exactions that a city or county would impose on a proposed housing development is greater than 12 percent of the city's or county's median home price unless approved by the Department of Housing and Community Development. The bill would authorize a city or county to seek approval from the department to impose a fee or an exaction that would result in the total dollar amount of fees and exactions exceeding that limitation by making a specified finding and submitting a completed application for a waiver.

Position

Work w/Author

AB 3147 (Gabriel D) Fees for development projects.

Current Text: Introduced: 2/21/2020 [html](#) [pdf](#)

Introduced: 2/21/2020

Status: 3/9/2020-Referred to Coms. on L. GOV. and H. & C.D.

Location: 3/9/2020-A. L. GOV.

Summary: Would require a judicial action or proceeding to be conducted in accordance with other procedures that, among other things, require a protest to be filed within 90 days after the imposition of the fees and an action to attack, review, set aside, void, or annul the imposition of the fees to be filed within 180 days after delivery of a specified notice by the local agency. The bill would require revenues in excess of actual cost to be used to reimburse the payor of the fee or service charge.

Position

Oppose

AB 3148 (Chiu D) Planning and zoning: density bonuses: affordable housing: fee reductions.

Current Text: Introduced: 2/21/2020 [html](#) [pdf](#)

Introduced: 2/21/2020

Status: 3/9/2020-Referred to Coms. on H. & C.D. and L. GOV.

Location: 3/9/2020-A. H. & C.D.

Summary: Would require a city, county, special district, water corporation, utility, or other local agency, except a school district, to reduce an impact fee or other charges imposed on the construction of a deed restricted affordable housing unit that is built pursuant to a density bonus, to amounts that are, depending on the affordability restriction on the unit, a specified percentage of the impact fee or other charge that would be imposed on a market rate unit within the development. The bill would exempt from these provisions units that are required to be affordable pursuant to a local inclusionary housing ordinance. The bill would define "impact fee" for purposes of these provisions. By imposing requirements on local agencies with respect to density bonuses, this bill would impose a state-mandated local program.

Position

Work w/Author

AB 3163 (Salas D) Biogas.

Current Text: Introduced: 2/21/2020 [html](#) [pdf](#)

Introduced: 2/21/2020

Status: 3/9/2020-Referred to Com. on NAT. RES.

Location: 3/9/2020-A. NAT. RES.

Summary: Would revise the definition of biogas to include gas that is produced from the noncombustion thermal conversion of certain biomass feedstock, as provided.

Position

Watch, work

w/author

AB 3232 (Friedman D) Commercial washing machines: microfiber filter.**Current Text:** Introduced: 2/21/2020 [html](#) [pdf](#)**Introduced:** 2/21/2020**Status:** 2/24/2020-Read first time.**Location:** 2/21/2020-A. PRINT**Summary:** Current law, to protect public health and water quality, regulates a broad range of consumer products and processes, including water softeners, water treatment devices, and backflow prevention devices, among others. This bill would require that all washing machines for commercial sale in California contain a microfiber filtration system with a 90% or greater filtration rate.**Position**

Support

AB 3256 (Garcia, Eduardo D) Climate risks: bond measure.**Current Text:** Introduced: 2/21/2020 [html](#) [pdf](#)**Introduced:** 2/21/2020**Status:** 2/24/2020-Read first time.**Location:** 2/21/2020-A. PRINT**Summary:** The California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018, approved by the voters as Proposition 68 at the June 5, 2018, statewide direct primary election, authorizes the issuance of bonds in the amount of \$4,000,000,000 pursuant to the State General Obligation Bond Law to finance a drought, water, parks, climate, coastal protection, and outdoor access for all program. This bill would state the intent of the Legislature to enact a bond measure that would address climate risks to the State of California.**Position**

Watch

SB 45 (Allen D) Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2020.**Current Text:** Amended: 1/23/2020 [html](#) [pdf](#)**Introduced:** 12/3/2018**Last Amend:** 1/23/2020**Status:** 1/30/2020-In Assembly. Read first time. Held at Desk.**Location:** 1/29/2020-A. DESK**Summary:** Would enact the Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond Act of 2020, which, if approved by the voters, would authorize the issuance of bonds in the amount of \$5,510,000,000 pursuant to the State General Obligation Bond Law to finance projects for a wildfire prevention, safe drinking water, drought preparation, and flood protection program.**Position**

Support

Concept/Work

w/Author

SB 794 (Jackson D) Emergency services: telecommunications.**Current Text:** Amended: 2/25/2020 [html](#) [pdf](#)**Introduced:** 1/6/2020**Last Amend:** 2/25/2020**Status:** 3/5/2020-Set for hearing March 24.**Location:** 1/15/2020-S. G.O.**Calendar:** 3/24/2020 9:30 a.m. - John L. Burton Hearing Room (4203) SENATE HEARING CANCELED - GOVERNMENTAL ORGANIZATION, DODD, Chair**Summary:** Current law authorizes each county, including a city and county, to enter into an agreement to access the contact information of resident account holders through the records of a public utility or other agency responsible for water service, waste and recycling services, or other property-related services for the sole purpose of enrolling county residents in a county-operated public emergency warning system. Current law requires any county that enters into such an agreement to include procedures to enable any resident to opt out of the warning system and a process to terminate the receiving agency's access to the resident's contact information. Current law prohibits the use of the information gathered for any purpose other than for emergency

notification. This bill would expand these provisions to authorize a city to enter into an agreement to access the contact information of resident accountholders through the records of a public utility, as specified.

Position

Watch

SB 931 (Wieckowski D) Local government meetings: agenda and documents.

Current Text: Introduced: 2/5/2020 [html](#) [pdf](#)

Introduced: 2/5/2020

Status: 3/5/2020-March 18 hearing postponed by committee.

Location: 2/12/2020-S. GOV. & F.

Summary: The Ralph M. Brown Act requires meetings of the legislative body of a local agency to be open and public and also requires regular and special meetings of the legislative body to be held within the boundaries of the territory over which the local agency exercises jurisdiction, with specified exceptions. Current law authorizes a person to request that a copy of an agenda, or a copy of all the documents constituting the agenda packet, of any meeting of a legislative body be mailed to that person. This bill would require a legislative body to email a copy of the agenda or a copy of all the documents constituting the agenda packet if so requested. By requiring local agencies to comply with these provisions, this bill would impose a state-mandated local program.

Position

Watch

SB 937 (Hill D) State agencies: web accessibility.

Current Text: Introduced: 2/6/2020 [html](#) [pdf](#)

Introduced: 2/6/2020

Status: 2/20/2020-Referred to Coms. on G.O. and JUD.

Location: 2/20/2020-S. G.O.

Summary: Would authorize a state agency to temporarily remove public documents from digital access if a justifiable impediment exists and the Director of Technology verifies the impediment prohibits full compliance and the state agency complies with certain requirements, including citing the reason for the document's removal and listing options and instructions for how to access the document offline. The bill would make any file or document removed after October 14, 2017, subject to these requirements.

Position

Watch

SB 996 (Portantino D) State Water Resources Control Board: Constituents of Emerging Concern Program.

Current Text: Introduced: 2/13/2020 [html](#) [pdf](#)

Introduced: 2/13/2020

Status: 3/18/2020-April 1 hearing postponed by committee.

Location: 3/5/2020-S. E.Q.

Calendar: 4/15/2020 9:30 a.m. - Room 3191 SENATE ENVIRONMENTAL QUALITY, ALLEN, Chair

Summary: Would require the State Water Resources Control Board to establish by an unspecified date and then maintain an ongoing, dedicated program called the Constituents of Emerging Concern Program to support and conduct research to develop information and, if necessary, provide recommendations to the state board on constituents of emerging concern in drinking water that may pose risks to public health. The bill would require the state board to establish the Stakeholder Advisory Group and the Science Advisory Panel, both as prescribed, to assist in the gathering and development of information for the program, among other functions. The bill would require the program to provide opportunities for public participation, including conducting stakeholder meetings and workshops to solicit relevant information and feedback for development and implementation of the program.

Position

Support

SB 1044 (Allen D) Firefighting equipment and foam: PFAS chemicals.

Current Text: Introduced: 2/18/2020 [html](#) [pdf](#)

Introduced: 2/18/2020

Status: 3/18/2020-April 1 hearing postponed by committee.

Location: 2/27/2020-S. E.Q.

Calendar: 4/15/2020 9:30 a.m. - Room 3191 SENATE ENVIRONMENTAL QUALITY, ALLEN, Chair
Summary: Would, commencing January 1, 2022, require any person, including a manufacturer, as defined, that sells firefighter personal protective equipment to any person or public entity to provide a written notice to the purchaser at the time of sale if the firefighter personal protective equipment contains perfluoroalkyl and polyfluoroalkyl substances (PFAS), and would provide that a violation of this requirement is punishable by a specified civil penalty. The bill would require the seller and the purchaser to retain the notice on file for at least 3 years and to furnish the notice and associated sales documentation to the State Fire Marshal within 60 days upon request, as provided.

Position

Support Concept

SB 1052 (Hertzberg D) Water quality: municipal wastewater agencies.

Current Text: Introduced: 2/18/2020 [html](#) [pdf](#)

Introduced: 2/18/2020

Status: 3/18/2020-April 1 hearing postponed by committee.

Location: 2/27/2020-S. E.Q.

Calendar: 4/15/2020 9:30 a.m. - Room 3191 SENATE ENVIRONMENTAL QUALITY, ALLEN, Chair
Summary: Would establish municipal wastewater agencies and would authorize a municipal wastewater agency, among other things, to enter into agreements with entities responsible for stormwater management for the purpose of managing stormwater and dry weather runoff, to acquire, construct, expand, operate, maintain, and provide facilities for specified purposes relating to managing stormwater and dry weather runoff, and to levy taxes, fees, and charges consistent with the municipal wastewater agency's existing authority in order to fund projects undertaken pursuant to the bill. The bill would require the exercise of any new authority granted under the bill to comply with the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000.

Position

Support/Sponsor

SB 1056 (Portantino D) Drinking water: testing: perfluoroalkyl and polyfluoroalkyl substances.

Current Text: Introduced: 2/18/2020 [html](#) [pdf](#)

Introduced: 2/18/2020

Status: 3/18/2020-April 1 hearing postponed by committee.

Location: 2/27/2020-S. E.Q.

Calendar: 4/15/2020 9:30 a.m. - Room 3191 SENATE ENVIRONMENTAL QUALITY, ALLEN, Chair
Summary: Would require the State Water Resources Control Board, on or before January 1, 2022, to certify a methodology or methodologies for testing drinking water, groundwater, and surface water for perfluoroalkyl and polyfluoroalkyl substances, as provided, and to accredit qualified laboratories in California to analyze perfluoroalkyl and polyfluoroalkyl substances pursuant to the adopted methodology or methodologies.

Position

Watch Close

SB 1099 (Dodd D) Emergency backup generators: critical facilities: exemption.

Current Text: Introduced: 2/19/2020 [html](#) [pdf](#)

Introduced: 2/19/2020

Status: 3/18/2020-April 1 hearing postponed by committee.

Location: 2/27/2020-S. E.Q.

Calendar: 4/15/2020 9:30 a.m. - Room 3191 SENATE ENVIRONMENTAL QUALITY, ALLEN, Chair
Summary: Would, consistent with federal law, require air districts to adopt a rule, or revise its existing rules, to allow critical facilities with a permitted emergency backup generator to use that emergency backup generator during a deenergization event or other loss of power, and to test and maintain that emergency backup generator, as specified, without having that usage, testing, or maintenance count toward that emergency backup generator's time limitation on actual usage and routine testing and maintenance. The bill would prohibit air districts from imposing a fee on the issuance or renewal of a permit issued for those critical facility emergency backup generators.

Position

Support

SB 1100 (Atkins D) Coastal resources: sea level rise.

Current Text: Introduced: 2/19/2020 [html](#) [pdf](#)

Introduced: 2/19/2020

Status: 3/18/2020-March 24 hearing postponed by committee.

Location: 2/27/2020-S. N.R. & W.

Summary: The California Coastal Act of 1976 establishes the California Coastal Commission and provides for planning and regulation of development in the coastal zone, as defined. The act requires the commission, within 90 days after January 1, 1977, to adopt, after public hearing, procedures for the preparation, submission, approval, appeal, certification, and amendment of a local coastal program, including a common methodology for the preparation of, and the determination of the scope of, the local coastal programs, as provided. This bill would also include, as part of the procedures the commission is required to adopt, recommendations and guidelines for the identification, assessment, minimization, and mitigation of sea level rise within each local coastal program, as provided.

Position

Work w/Author

SB 1215 (Stern D) Electricity: microgrids: grant program.

Current Text: Introduced: 2/20/2020 [html](#) [pdf](#)

Introduced: 2/20/2020

Status: 3/5/2020-Referred to Coms. on G.O. and E., U. & C.

Location: 3/5/2020-S. G.O.

Summary: Would establish the Local Government Deenergization Event Resiliency Program, to be administered by the Office of Emergency Services, to support state and local government efforts to enhance public safety, protect vulnerable populations and individuals, and improve resiliency in response to deenergization events. The bill would establish the Local Government Deenergization Event Resiliency Fund and would continuously appropriate the moneys in the fund for expenditure for purposes of the bill. The bill would transfer an unspecified sum from the General Fund to the fund, thereby making an appropriation.

Position

Watch

SB 1258 (Stern D) California Climate Technology and Infrastructure Financing Act.

Current Text: Introduced: 2/21/2020 [html](#) [pdf](#)

Introduced: 2/21/2020

Status: 3/18/2020-March 30 hearing postponed by committee.

Location: 3/5/2020-S. B., P. & E.D.

Summary: Would enact the California Climate Technology and Infrastructure Financing Act to require the bank, in consultation with specified agencies to administer the Climate Catalyst Revolving Fund, which the bill would establish to provide financial assistance to eligible climate catalyst projects, as defined.

Position

Work w/Author

SB 1320 (Stern D) Climate change: California Climate Change Assessment.

Current Text: Introduced: 2/21/2020 [html](#) [pdf](#)

Introduced: 2/21/2020

Status: 3/12/2020-Set for hearing April 14.

Location: 3/5/2020-S. N.R. & W.

Calendar: 4/14/2020 9:30 a.m. - Room 112 SENATE NATURAL RESOURCES AND WATER, STERN, Chair

Summary: Would require the Office of Planning and Research to develop the California Climate Change Assessment, in coordination with the Natural Resources Agency, the State Energy Resources Conservation and Development Commission, and the Strategic Growth Council, and in consultation with partner public agencies designated by the office. The bill would require the office to conduct the assessment every 2 years and to publish the assessment in October of each odd-numbered year. The bill would require the assessment to assess and report the impacts and risks of climate change and identify potential solutions to inform legislative policy, as provided. The bill would require the assessment to include sector-specific liability projections that assess the impacts of climate change under varied emissions scenarios for the years 2025, 2030, 2050, and 2100.

Position

Watch Close

SB 1352 (Hueso D) Gas corporations: biomethane procurement.

Current Text: Introduced: 2/21/2020 [html](#) [pdf](#)

Introduced: 2/21/2020

Status: 3/19/2020-March 31 hearing postponed by committee.

Location: 3/12/2020-S. E. U., & C.

Summary: Would require the Public Utilities Commission to establish a biomethane procurement program that requires each gas corporation, by January 1, 2030, to procure at least 20 percent of its total volume of gas delivered to core customers in California with biomethane. The bill would require the commission, in designing and implementing the program, to ensure that the biomethane procurement program is a cost-effective means to achieve forecast reductions in emissions of short-lived climate pollutants pursuant to specified laws and that the program complies with all applicable state and federal laws.

Position

Support

Total Measures: 35
Total Tracking Forms: 35

The CASA RWG Team

WATER

California's Continuing Leadership Responding to COVID-19 and the Revised State Budget

While the impacts have been felt by all since Governor Newsom led the nation in March with his statewide shelter in place Order, their lengths are only now being understood. Governor Newsom issued two notable Executive Orders last week, [E.O. 62-20](#), which will expand coverage for worker compensation claims for COVID-19 related illness, and [E.O. 64-20](#), which will ensure every registered voter receives a mail-in ballot for the elections this November to eliminate unnecessary risks of spreading or contracting COVID-19 when voting this fall. (The locations and guidelines for in-person voting opportunities are still being planned with the counties and will be released by the Governor later.) Additionally, as you may recall from March, the [Department of Finance shifted to a "workload budget" and notified](#) state agencies it was reevaluating all of their budget changes, so the release on Thursday of this week of the annual May Revised Budget will be of great interest, especially given estimates last week from [the Department of Finance of a \\$54 billion budget](#) deficit. As laid out in the [Assembly Budget Committee's memo](#) from April, with the extension of the tax filing deadline to July 15, there also will be an August Revised Budget that may contain "sizeable cuts to major programs." Please reach out to [Jessica Gauger](#) with inquiries about the May Revised Budget, and if interested, [here](#) is her Legislative Update from April with information about how the legislature is adapting their proceedings in response to the crisis.

State Water Board is Meeting through Zoom During COVID-19 Emergency

After cancelling their March 17 meeting due to the COVID-19 Emergency, the State Water Board resumed its regularly scheduled meetings last month. Their [April 7 meeting agenda](#) featured adoption of composting regulations and a workshop on microplastics, the [April 21 meeting agenda](#) entailed adoption of a resolution requiring urban retail water suppliers to submit monthly water conservation and production reports, and the [meeting agenda](#) for last week's 9+ hour meeting on May 5 included adoption of environmental laboratory accreditation regulations during the last four hours, after adoption of the safe and affordable drinking water fund expenditure plan and a workshop on the same. Further information and updates on some of these items are below.

The agenda for the State Water Board's next meeting on May 19 is available [here](#), and includes [an informational item on addressing freshwater harmful algal blooms](#), as well as numerous uncontested items, including [an agenda item](#) and corresponding [resolution](#) to authorize the Executive Director of the Board to enter into and amend interagency agreements and contracts for mandated scientific peer review and other expert review for contract terms not to exceed five years and amounts not to exceed \$1.5 million. Written comments are due to the [Clerk of the Board](#) by noon on Thursday May 14.

CASA Expands COVID-19 Webpage

Last week, CASA's Executive Director, Adam Link, [sent out a message](#) with the most recent updates for our sector regarding PPE and sewer surveillance, amongst other items. To help CASA's members navigate and manage the COVID-19 crisis, CASA released [a dedicated webpage](#) compiling numerous resources and updates for wastewater agencies pertaining to operations, compliance, and worker safety. The landing page continues to expand with the addition of [CASA's communications toolkit](#), further [information about](#)

[resources and aid from FEMA and CalOES](#), and an extensive [research page](#) aggregating pertinent academic treatises about COVID-19. Please reach out to [Adam Link](#) with questions or to share additional resources.

CASA Comments on the State Water Board's Microplastics Definition – Adoption June 16

In March, the State Water Board released its draft [definition of “microplastics in drinking water”](#) (and accompanying draft [staff report](#)), which will be used in matrices other than drinking water. CASA submitted a comment letter that is available [here](#). A staff workshop on the definition was held at the April 7 State Water Board meeting, and it is available [here](#) beginning at 3:29:50 with the specific inquiry clarifying the applicability of the definition to other matrices at the 4:45:30 mark. The definition is scheduled for adoption by the State Water Board [on June 16](#). Please reach out to [Jared Voskuhl](#) with comments or if you have any questions.

State Water Board Adopts Environmental Laboratory Regulations for Accreditation

On May 5, the State Water Board adopted laboratory regulations marking a significant shift in California's policy for this program, as accreditation through state regulations will no longer be available to environmental labs, and instead, accreditation may only be obtained through compliance with the 2016 TNI standard. CASA has been submitting comments for over five-years in favor of a different approach, and our comment letter for the adoption hearing is available [here](#). The archived hearing video is available [here](#), and the proceeding begins at the 5:14:45 mark. Please contact [Jared Voskuhl](#) if you have questions.

State Water Board Reschedules Clean Water SRF Workshop to May 20

The State Water Board's Division of Financial Assistance (DFA) has [rescheduled the public workshop](#) to discuss the Clean Water State Revolving Fund Intended Use Plan to May 20. DFA anticipates posting the Draft 2020-21 IUPs and a Notice for Opportunity to Comment later this month on the State Water Board's website. Please reach out to [Adam Link](#) if you have questions.

May 15 Comment Deadline for Economic Feasibility Analysis of a Chome-6 MCL

On April 27, the State Water Board's Division of Drinking Water held a workshop on their [White Paper](#) for assessing the economic feasibility of a hexavalent chromium MCL, the video for which is available [here](#). As you may remember, the previously adopted MCL was [rejected in California Superior Court](#) due to features in the State's economic analysis supporting the previous MCL. While the economic feasibility analysis that the State Water Board will utilize in the upcoming development of the revised MCL seemingly may not impact your agency's operations, for some basin plans, an adopted MCL automatically becomes an enforceable water quality objective which will lead to effluent limits in your NPDES permits or Waste Discharge Requirements. [Comments on the white paper are due this Friday, May 15](#). If you have input or suggestions for comments for consideration when assessing the economic impacts of the MCL, please reach out to [Jared Voskuhl](#) by this Wednesday.

SWB Provides Extension to June 30 for Agencies' Recycled Water Volumetric Annual Report

On April 29, the [SWB officially extended the April 30 deadline](#) for recycled water volumetric annual reporting to June 30. These reports are required under [Executive Order 2019-0037](#), for which the State Water Board released multiple materials including a [FAQ](#) and a [Help Guide for Geotracker](#) to assist the over 900 permittees affected by the changes to monitoring and reporting programs for WDRs, NPDES permits, water reclamation requirements, master recycling permits, and general waste discharge

requirements. For questions about preparing your report, reach out to [Rebecca Greenwood](#) at the State Water Board.

Water Quality Fees and the COVID-19 Workload Budget – Next workshop June 9

On March 2, the State Water Board held a workshop on 2020-21 water quality fees, the video of which is available [here](#). Its agenda and the table with the then-proposed fees are available [here](#). This year's WDR and NPDES fee increases were projected to be approximately 11%, however, due to the COVID-19 crisis and workload budget directive, these figures may be impacted. Further information will become available in the coming weeks, and the next meeting on water quality fees is scheduled for June 9. Please reach out to [Jared Voskuhl](#) with questions.

State Water Board Continues to Develop PFAS Investigative Order for Wastewater Treatment Plants

The Clean Water Summit Partners will have a meeting later this month with the State Water Board's PFAS investigative team about the development of their forthcoming Phase 3 Order. State Water Board staff previously indicated they recognize in the current circumstances, samples would not be representative of typical conditions, which is a consideration for when the Order is eventually issued. With municipalities projecting at least a [\\$7 billion deficit](#) in the coming year, there also remains the question of the value of data yielded from sampling treatment plants broadly across the state with no approved method for non-potable matrices nor verifiable comparability of data between the handful of labs that will analyze a sample, given the costs of quarterly influent, effluent, and biosolids monitoring may exceed \$20,000 and require 40 to 60 hours of Regional Board staff time per treatment plant. Please reach out to [Jared Voskuhl](#) if you have questions.

US EPA Extends Comment Period on PFAS/PFOA Determinations to June 10

US EPA extended the comment period from May 11 to June 10 for a [preliminary regulatory determination to regulate PFOS and PFOA](#) in drinking water. The end of the notice also requests input for potential monitoring requirements, regulatory constructs, and grouping of analytes. The National Association of Clean Water Agencies (NACWA) will be submitting a comment letter, and you may reach out to [Emily Remmel](#) if you have input on these items.

Input Needed by May 22 on the draft Strategic Plan for the California Water Quality Monitoring Council

A subcommittee of the California Water Quality Monitoring Council will meet on May 29 to discuss a revised draft of the Council's strategic plan. If you are interested in the change of direction for the Council's activities and how it may impact your agency's monitoring and reporting responsibilities, you may review the latest draft [here](#), and by way of background, the authorizing statute for the Council is [here](#). Please reach out to Council-Alternate [Jared Voskuhl](#) with comments or concerns on the draft plan.

R3 Regional Water Board Permit with Requirement for 100% Recycling Re-scheduled for Adoption on July

The Cayucos Sanitary District received notice that the district would be required to recycle 100% of their influent (with some minor exceptions). CASA submitted comments, which are available [here](#). CASA, WateReuse, and some of our Central Coast members met with Region 3 board in April, and they indicated that our concerns had been heard and understood. The staff indicated they will be revising the permit in response to the comments on this issue, but they did not share the details or language of the prospective revisions. The permit had been scheduled for adoption at the R3's meeting on [May 6-8 meeting](#), but that meeting was cancelled, and its adoption is re-scheduled for the [July 16-17 meeting](#). If you have questions, please reach out to [Bobbi Larson](#).

Petitions for Review of R9 Regional Water Board's Permits for Fallbrook and Oceanside Accepted by the State Water Board

On May 6, the [State Water Board notified Petitioners](#) that their files were complete, and the State Water Board would begin its review of the petitions to stay the recently issued permits from the San Diego Regional Water Board to the Fallbrook Utility District and the City of Oceanside. CASA previously submitted [a comment letter in support](#) of the Requests for Stay. The San Diego Regional Water Board has until June 5 to file a written response to the petitions. If you have questions about these matters, please reach out to [Adam Link](#).

SCAP Preparing Comments on DTSC Vapor Intrusion Guidance – Due June 1

Earlier this spring, the [Department of Toxic Substances and Control issued guidance on vapor intrusion in buildings](#). While you may have heard about issues associated with theories of sewage exfiltration into the soil or storm drain system, DTSC is referring to sanitary sewer systems as a source of toxic vapors into buildings. DTSC is hosting video webinars on May 14 and May 19, for which the Notice is available [here](#). Comments on the screening guidance are due by June 1. Likewise, they have released [supplement guidance for screening](#), and the sections relating to sewers have been highlighted for your reference. SCAP will be coordinating with their Air Committee and Collection Committee to prepare comments on the draft screening guidelines. If you are interested in these proceedings, please reach out to SCAP's Executive Director, [Steve Jepsen](#).

LAND

SB 1383

Cal Recycle had 120 days to resubmit the SB 1383 regulatory package with changes to OAL. The new regulatory package was released on 4/20 and is available [here](#). Public comments are due on 5/20. The comment period was extended from 15 to 30 days. Ashley Yee, the new point person for CalRecycle on this, indicated there were no substantive changes. Additions were merely for clarity and transparency. Some "mays" became "shalls" which could be substantive though. Upon review of the language, Greg agrees that changes are not substantive, at least with respect to biosolids or the wastewater sector), and that no comments will be necessary. Ashley has confirmed that as soon as the package is approved, she will review a white paper which Greg will create to articulate what the requirements are and how they will impact wastewater sector. Ashley has also agreed to be present in a webinar to answer questions and go over what the white paper says. The regulatory language should be approved no later than July 1st. No effective or compliance dates will be changed.

Biosolids Reporting to CalRecycle Due June 1 for the first quarter of 2020

The Recycling and Disposal Reporting System (RDRS) is now open for Q1 2020 (Jan 1-Mar 31) reporting for transfer/processing facilities and operations, recycling and composting facilities and operations, and broker/transporters. This includes biosolids management options which are required to report. The due date to submit a quarterly report to CalRecycle for these reporting entities is June 1, 2020. For more information and training materials, please see: <https://www.calrecycle.ca.gov/SWFacilities/RDRReporting/>

General Order

With the implementation of SB 1383, there will be more reliance on the GO for the land application of biosolids. The State Water Board is evaluating the order, but the agency is understaffed, and longtime biosolids coordinator Johnny Gonzales has retired but not yet been replaced, despite there being approval to do so. There are three other GOs in the queue ahead of the biosolids GO which need to be revised. There is still no clear indication on when the biosolids GO will be tackled however with COVID-19 it is likely the process will be pushed even further back.

Excess Digester Capacity

The State Air Resources Board, CalRecycle and the State Water Board have reviewed the excess digester capacity report. Webinars will be set up as soon as possible to go over the report's findings. The report had 6 major tasks. 1) Assessment of food waste and how much would be available in 2025 and 2030 and how much would be recoverable and digestible. 2) Assessment of digestion capacity in state, including receiving and gas utilization infrastructure, not just digester capacity. This included operational considerations for digestion. 3) What capacity is needed in 2025 and 2030 and how much investment would be needed to accept divertible food waste and beneficially use the products (biogas and biosolids). 4) Reduction in methane emissions. 5) Lessons learned from 4 small to medium facilities and 2 larger facilities. The study assumes the receipt of slurry and does not go into preprocessing infrastructure needs. The study finds it would be possible to accommodate a very large portion if not all of the 2025-30 divertible food waste. The intent is to get this report out as broadly as possible.

Chemical Taxes

The West Basin Municipal Water District is taxed on chemicals that remain in the water. Ferric Chloride is used in the recycled water process yet does not remain in the water, becoming a byproduct in the solids. The agency therefore does not think the ferric chloride should be taxed. West Basin would like to know if any agency has had this issue and been successful in saving tax money on their ferric chloride (or similar chemicals) costs that do not remain in the water? Please contact elizabeths@westbasin.org.

CV Salts

A comprehensive review of CV Salts was sent out to the CASA regulatory and biosolids listserv on 4/16. Contact [Greg Kester](#) if you need a copy. Land application on sites in the central valley will need to comply with the Salts Control Program. Land application sites applying in the priority basins will need to comply with the Nitrate Control Program. For implementation of CV Salts, agencies are working to determine how to share the costs of the Prioritization and Optimization study for salts and Management Zones for nitrate management. A draft workplan is available which characterizes salt fluxes, how effective existing controls are, and work is underway to determine the costs of compliance.

BAAQMD Rule 13

In expectation of increased use of organics management facilities, the Bay Area Air Quality Management District is looking to establish additional rules on emissions from organic materials. The scope expanded from methane to include odors, N₂O, VOCs and toxics. Rule 13-1 which would cover significant methane releases was tabled until the other three rules are covered. Rule 13-2 Organic Materials Handling covers MRFs, transfer stations, chip and grind facilities and possibly biosolids storage. A draft of Rule 13-2 has been released. It is not clear when the final draft of this rule will come out, the next draft was supposed to come out this quarter. Rule 13-3 will cover composting operations. Rule 13-4 Sewage Treatment and Anaerobic Digestion will cover pressure relief valve venting and other methane losses at plants. In comments on Rule 13-2 it was requested that POTWs be excluded as they will already be covered by 13-4. The air district needs access to hard copy documents in files onsite, but they are working from

home, so they are behind in the permitting process, slowing down rule development. The air district was going to meet with the BACWA AIR committee to talk about Rule 13-4, but this was postponed due to the shelter in place order. There are concerns that storage and composting operations could become much more difficult or even impossible as currently practiced (and permitted) with the new regulations. **Since the last RWG meeting, it was announced that all efforts on Rule 13 have been indefinitely postponed.** Sarah will continue to share updates with the group on Regulation 13.

EPA RIN

Madison Le who was the main contact at EPA for the RIN has been promoted to another division within EPA, and she has not been replaced yet. CASA and NACWA are still pursuing a framework which would give baseline gas production a D3 credit, while gas produced from additional feedstocks would receive a D5 credit. Madison had rejected this proposal in a meeting in February. CASA is still looking for information on baseline gas production. If you have not already, you can contact [Greg Kester](#) with the following information:

Sludge feed rate
Volatile Solids Fed
MCRT
Volatile Solids Reduced
SCF biogas produced
SCF biogas produced/lb of VS destroyed
Methane content of biogas

Once the data submitted by different agencies has been compiled, CASA will work with NACWA will make a formal request that the EPA review the data.

OIG Report

The PFAS section has been completed for the response to the OIG Report. It is in the process of being reviewed and then will be shared with the W4170 group. Possibly the report will be available in 3-4 weeks.

EPA Risk Assessment

The EPA is redoing their risk screening model and probabilistic risk assessment so that their modeling is more transparent and based on up to date science. The timeline for this project before COVID-19 was for completion by the end of 2020.

Dates

May 15 SWB Chrome-6 Comment Deadline
 May 18 US EPA Science Transparency Rule Deadline
 May 19 SWB Meeting (Agenda)
 May 29 CWQMC Strategic Plan Subcommittee Meeting
 June 01 DTSC Vapor Intrusion Comment Deadline
 June 09 SWB Water Quality Fees Workshop
 June 10 US EPA Comment Deadline for PFAS/PFOA Determination
 June 16 SWB Meeting + Adoption of Microplastics Definition



ITEM NO. 13 GENERAL MANAGER'S REPORT

Action Requested

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

Summary

The General Manager's (GM) tenure began on April 17, 2014. A two year extension was approved on April 20, 2016, and a three year extension was approved on February 21, 2018. 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, 2019 the General Manager billed LAVWMA 467.50 hours. For the fiscal year ending June 30, 2020 the General Manager has billed LAVWMA approximately 473 hours.

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

1. **Asset Management.** DSRSD staff continues to refine the equipment listing, particularly the useful lives and replacement costs which are key to ensuring the fund balance is adequate for the projects that are scheduled. The GIS pipeline map is one example of the results of their efforts. As discussed in the last agenda, DSRSD staff is in the process of preparing ID tags for all equipment. **Attachment No. 13.a** is a summary document detailing how equipment will be named and tagged.
2. **Records Management Project.** At long last, a Purchase Order in the amount of \$29,000 has been issued for this project. The scope and cost have been modified to include all active files in the project. COVID-19 issues and the inability of DSRSD staff to return to the main office has resulted in yet another delay. As soon as restrictions are eased the project will proceed.
3. **EBDA Issues.**
 EBDA's new Joint Powers Agreement (JPA) was approved by all five member agencies before the end of December 2019. The new JPA takes effect on July 1, 2020. The LAVWMA Board previously approved a one-year extension of the Master Agreement through December 31, 2020. The EBDA General Manager agreed to a one-year extension and recommended that to the Commission. Unfortunately, they only approved a six-month extension through June 30, 2020 in order to "keep the pressure on." EBDA has drafted a second extension through December 31, 2020, **Attachment No. 13.b**. The EBDA Managers Advisory Committee (MAC) has also drafted a proposed "Term Sheet" for a new Master Agreement, **Attachment No. 13.c**. The General Manager and General Counsel have provided a detailed response to both items that has been discussed with the

Staff Advisory Group which concurs with the response. Due to the sensitive nature of the issues, a detailed discussion is not included in this report.

4. Wastewater Agency Response to COVID-19

Wastewater agencies have been at the forefront of responding to COVID-19 issues. In the very beginning it was natural to assume that wastewater and aerosols created by processes in treatment plants could be a viable method of transmission of the virus. Research has found viral RNA in influent, but it is now generally thought that it is not a significant means of transmission. Nevertheless, until more information is available, plant personnel are all practicing social distancing as much as possible and the use of personnel protective equipment (PPE) has increased dramatically. This includes masks, gloves, face shields and other items. In most instances only essential O&M staff have been reporting to work, along with management staff periodically. As employees come to work, they self-report as to the presence of any symptoms that could be caused by the virus. If there are any, they immediately go home and remain in isolation for fourteen days. Administrative and engineering staff typically work from home. Email, phone calls, and web meetings have become the new normal. Face to face meetings are extremely rare. The State Water Board has concluded that disinfection methods practiced by wastewater agencies are adequately killing or inactivating the virus in effluent samples. It is now believed that untreated wastewater may be a viable method to track the presence of the virus in society as a whole. Agencies are working with research institutions to learn more about this. During the meeting, Member Agency staff can detail more steps they have taken in response to COVID-19.

Following is a brief description of major activities since the February 19, 2020 Board meeting:

- Attended LAVWMA O&M meetings with DSRSD, Livermore and Pleasanton staff. The most recent one was a Zoom web meeting.
- Purchased and set up Zoom account for meetings.
- Prepared and distributed agenda packet for the May Staff Advisory Group meeting and attended the May 7, 2020 SAG meeting as a Zoom web meeting.
- Drafted list of FY2020/21 Capital Projects and sent to DSRSD staff for review and comment. Modified and added to the list based on comments received. Incorporated list into draft FY2020/21 Budget.
- Completed drafting of FY2020/21 O&M and Capital Budget.
- Drafted items for May 20, 2020 Board Agenda and prepared packet for distribution.
- Drafted minutes from February 19, 2020 Board meeting and revised based on comments received.

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- Completed SDRMA application form for insurance renewal questionnaire. Worked with DSRSD staff to identify all electrical equipment for the renewal and updated the questionnaire.
- Made updates to website as needed for files and legal requirements.
- Updated Action Item List.
- Worked with General Counsel, Administrative Assistant, and Computer Courage on the website update. Added newly approved logo to letterhead and other documents as needed.
- Continued to work with General Counsel to track legislation of interest to LAVWMA and the member agencies.
- Completed agreement with DTN engineers for MCC project. Attended kickoff meeting. Attended both days of inspection of the two MCCs for design purposes.
- Finalized scope and agreement with HydroScience for risk and pipeline inspection project. Participated in web meetings and prepared notes of same. Worked with DSRSD staff and HydroScience to identify key sections of pipeline for inspection. Interfaced with all parties to coordinate data collection and submittal. Participated in several planning conference calls and email discussion with HydroScience staff.
- Monitored progress of pump station and O&M projects managed by DSRSD staff.
- Reviewed and approved invoices for payment by DSRSD. Updated accounting system and operating system on remote computer.
- Continued to Discuss Asset Management issues with DSRSD staff. LAVWMA will follow their lead.
- Worked with DSRSD staff on various inquiries regarding projects near the forcemain to ensure there would be no issues of concern with the integrity of the forcemain.
- Worked with Zone 7 and DSRSD staff to develop a plan to test the Alamo Canal Discharge. Agreed to conduct this test after the first flush. Monitored flows via USGS monitoring system. Had to postpone due to COVID-19 issues. Efforts included working with DSRSD staff to arrange a video inspection of the line under Stoneridge drive.
- Worked with DSRSD staff and Administrative Assistant in an effort to allow her to work from home due to COVID-19 issues.
- Worked with General Counsel to develop process for web meetings of the Board, including proper language for Zoom meetings, public participation, and Brown Act compliance.
- Reviewed proposals from Corpro for cathodic protection projects. Worked with DSRSD staff on revising same. Worked with General Counsel to determine best approach to initiating project through informal bidding process.
- Participated in CASA/CWEA/WEF webinars related to managing COVID-19 issues including the virus's presence in wastewater influent, effluent, biosolids, and disinfection practices.
- Continued to monitor and work with DSRSD staff and consultants to review plans for landscaping within the easement at the Stoneridge Corporate Center.

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- Attended EBDA Managers Advisory Committee (MAC) meetings. Made notes of same and shared with SAG members.
- Worked with DSRSD staff to develop plans for required priority pollutant monitoring on the effluent and San Leandro Creek. Approved sample schedule and costs.
- Discussed EBDA agreement issues with SAG members on several occasions. Reviewed old EBDA budgets to determine what costs LAVWMA paid in the past. Prior to 2007 LAVWMA only paid for dechlorination costs.
- Prepared and submitted monthly invoices for LAVWMA General Management services.
- Reviewed and commented on 3rd Quarter O&M Report prepared by DSRSD staff.
- Logged into Samsara website at various times to monitor pump station and flows.
- Reviewed and approved DSRSD monthly invoices for O&M services.
- Continued working with EBDA and LAVWMA agency staff to address enterococcus issues.
- Reviewed EBDA and DSRSD agenda packets.
- Responded to various emails and phone calls from outside agencies and organizations.

Attached for the Board's information, is the most recent Action Item List, **Attachment No. 13.d**. Also attached is a letter from SDRMA, noting a likely 42% Rate Increase in FY2020/21, **Attachment No. 13.e**. The invoice for FY2020/21 arrived just as this agenda was being completed. The total premium is increasing from \$39,011 to \$55,508, or 42.3%.

Next Meeting


The next Regular Board meeting is scheduled for August 19, 2020.

Recommendation

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

Attachments

- 13.a Lucy Equipment ID Naming Convention
- 13.b EBDA Master Agreement Extension
- 13.c EBDA Proposed Term Sheet
- 13.d Action Item List
- 13.e SDRMA Letter

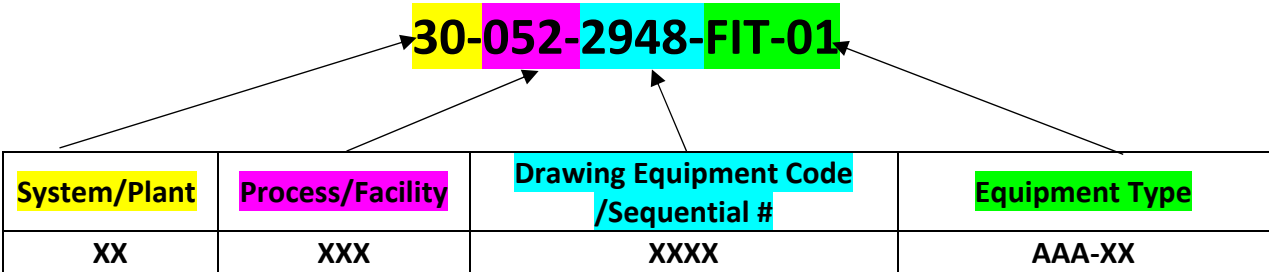
<h1 style="margin: 0;">Lucity Equipment ID Naming Convention</h1>	
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This document provides a consistent ID naming convention for all vertical assets in the district for the Lucity database. This standard is based on several documents including (1) West Yost Rehabilitation and Replacement Model hierarchy, (2) Stage 4 Numbering Systems and Equipment Prefixes, and (3) the district’s eO&M data.

The objective in creating a naming convention was to provide a consistent type of ID that could be used throughout the district, allowing some intelligence to be built into the name that would allow easy searching and sorting. To do this, the district assets were broken down into four distinct areas that could be used to define any equipment in the district. Those fields are:

- System/Plant
- Process/Facility
- Drawing Equipment Code /Sequential #
- Equipment Types

When assembled together a typical equipment ID would be:



Where:

System/Plant. Two digit number. System/Plant represent unique areas of the district either by physical location or business line. There are 8 systems in the district including: (10) Facilities, (20) Collections, (30) WWTP, (40) Tertiary Treatment, (50) Recycled Distribution, (60) Potable Distribution, (70) Fleet and (80) LAVWMA. A complete listing for System/Plant can be found in attachment A.

Process/Facility. This is a three digit number within the Lucity plant module and provides a unique identifier for processes or facilities. It is a subset of System/Plant. .

Drawing Equipment Code /Sequential #. A four digit equipment identifier from record drawings, or if no drawing ID exists, a consecutive number (starting at 0001) each time there is a change in process.

Equipment Types. A four digit code made up of three letters that represents the equipment type followed by a two digit number used to differentiate the same equipment type tied to the same equipment drawing ID. In general, the final digit following the equipment type will be "01". A complete listing for Equipment Types can be found in attachment B.

Examples:

Pump Station R200A, Roof	10-103-0001-ROF-01
Dublin Lift Station 1, Pump 1	20-254-0001-PMP-01
WWTP Grit Tank Flow Transmitter	30-052-2948-FIT-01
MF Pump 3, Pressure Switch	40-113-0003-PSW-01
RTU for PSR20	50-249-0001-RTU-01
RTU for PS200A	60-235-0001-RTU-01
Golf Cart 308	70-053-0308-GLF-01
LAVWMA PS Pump 2	80-271-0002-PMP-01

In addition, a final number will be added to the equipment ID whenever the equipment is permanently taken out of service. In general, most users will not see this extended ID since the equipment record at this point will be placed in the "Retired" category.

Not all processes or equipment types have been generated at this time and it is the intention on the guideline to be a living document that incorporates new items as they become part of the system. This guideline does however provide the structure for naming equipment and will be the standard going forward.

Attachment A

System/Plant.

ID	Name	Description
10	Facilities	Buildings or structures that can be physically entered and are designed for continuous occupancy
20	Collections	Assets in the wastewater system up to the East Amador Lift station and Headworks building
30	WWTP	All assets in the boundary of the WWTP except items in systems 20 or 40. Also includes the FSL and DLD
40	Tertiary Treatment	All recycled water assets starting at the TIPS pumps within the boundary of the WWTP
50	Recycled Distribution	All recycled water assets except for those identified in System 40
60	Potable Distribution	All water assets
70	Fleet	All vehicles and rolling stock equipment
80	LAVWMA	All assets associated with LAVWMA

Attachment B

Equipment codes

Code	Description
ABV	Valve - Air Operated Ball
ACO	AIR COMPRESSOR
ACU	HVAC - Air Condensing Unit
AHU	HVAC - Air Handling Unit
AIN	Indicator - Analyzer
AIT	Transmitter -Analyzer Indicating DO
AIT	Transmitter -Analyzer Indicating pH
AIT	Transmitter -Analyzer Indicating SS
AIT	Transmitter -Analyzer Indicating Turbidity
AIT	Transmitter -Analyzer Indicating UVI
AIT	Transmitter -Analyzer Indicating UVT
ARV	Valve - Safety-Air Relief
ATS	Switch - Auto Transfer
BFV	Valve - Butterfly
BLR	BLOWER
BLT	UV Disinfection Lamp Ballast
BOV	Valve - Safety-Blow Off
BPV	Valve - Back Pressure
CAV	Valve - Air/Vacuum Release
CHR	CHILLER
CMU	Central Monitoring Unit
COL	COLLECTOR
COL	Secondary Collector
CON	Screenings Conveyor
COV	Valve - Control
CPT	Test Stations
DAV	Valve - Diaphragm-Air Operated
DIT	Transmitter -Analyzer Indicating Density
ENG	ENGINE
FAN	HVAC - Exhaust Fan
FCV	Valve - Flow Control
FLC	FLOCCULATOR
FLG	Gate - Flap
FSU	Fuel Skid Unit
GCO	Gas Compressor
GDR	GRINDER
GTV	Valve - Gate
HEX	HEAT EXCHANGER
HOP	HYDRAULIC OPERATOR

Code	Description
HST	Electric Hoist
LCP	Panel - Local Control
LDS	Switchgear Low Voltage
LIC	Controller - Level
LIN	Indicator - Level
LIT	Transmitter -Level Indicating
MCC	MOTOR CONTROL CENTER
MCP	Panel - Master Control
MDS	Switchgear Medium Voltage
MGT	Motorized Gate
MTR	Motor - Constant Speed
MTR	Motor - Constant Speed-Specialty
MTR	Motor - Constant Speed-Submersible
MTR	Motor - Gearmotor-Submersible
MTS	Switch - Manual Transfer
MVS	Switch - Knife
MXR	Mixer - Horizontal Surface
MXR	Mixer - Rapid Mix
OHD	Overhead Door
ORU	ODOR REDUCTION UNIT
PCV	Valve - Pressure Control
PDV	Valve - Pressure Reducing
PGV	Valve - Plug
PIN	Indicator - Pressure
PIT	Transmitter -Pressure Indicating
PMP	HVAC - Heat Pump
PMP	Pump - Centrifugal
PMP	Pump - Centrifugal-Submersible
PMP	Pump - Diaphragm
PMP	Pump - Gear
PMP	Pump - Metering
PMP	Pump - Piston
PMP	Pump - Positive Displacement
PMP	Pump - Submersible
PMP	Pump - Vertical Turbine
PRV	Valve - Pressure Regulating
RIO	Panel - Remote Input/Output
RTF	Rectifier
RUD	ROLL-UP DOOR
SEP	SEPARATOR (SEDIMENTATION TRAP, DRIP TRAP, STEAM SEPARATOR, CYCLONE, STRAINER, ETC.)
SKM	Scum Skimmer

Code	Description
SLG	Gate - Sluice
SLR	SILENCER
SOV	Valve - Solenoid
STR	Strainer
SWG	Gate - Slide -Weir
TCP	Panel - Temperature Control
TIT	Transmitter -Temperature Indicating
UPS	UPS
UVB	UV DISINFECTION BANK
VEN	HVAC - Turbine Ventilator
VFD	Variable Frequency Drive
VRG	Voltage Regulator
VRS	Vactor Station
WAP	Wireless Access Points
WGB	Waste Gas Burner
WHR	WASHER (GRIT, ETC.)

**EAST BAY DISCHARGERS AUTHORITY
LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY
SECOND AMENDMENT TO THE MASTER AGREEMENT
TO PROVIDE SEWER SYSTEM DISCHARGE SERVICES**

This SECOND AMENDMENT ("Second Amendment") to the MASTER AGREEMENT TO PROVIDE SEWER SYSTEM DISCHARGE SERVICES ("Master Agreement") is entered into effective as of July 1, 2020 ("Effective Date") by the EAST BAY DISCHARGERS AUTHORITY, a Joint Powers Agency comprised of the Cities of Hayward and San Leandro, Oro Loma Sanitary District, Castro Valley Sanitary District, and Union Sanitary District ("EBDA") and LIVERMORE-AMADOR VALLEY WATER MANAGEMENT AGENCY, a Joint Powers Agency comprised of the Cities of Livermore and Pleasanton and the Dublin San Ramon Services District ("LAVWMA") (collectively "parties"), with reference to the following facts and intentions:

RECITALS

WHEREAS, the parties first entered into an agreement to provide for the export of wastewater from LAVWMA to EBDA dating back to 1978 and subsequently amended that agreement in 1981, 1985, 1993, and 1998; and

WHEREAS, on April 26, 2007, the parties executed the Master Agreement to supersede the prior agreements and consolidate all relevant provisions into one document; and

WHEREAS, the Master Agreement's original term was to expire on January 1, 2020, but on that date, the parties entered into a First Amendment to the Master Agreement ("First Amendment") which extended the term to June 30, 2020; and

WHEREAS, the member agencies of EBDA have negotiated an Amended and Restated Joint Exercise of Powers Agreement which will become effective on July 1, 2020 and will expire on June 30, 2040; and

WHEREAS, to allow for uninterrupted service, the member agencies of EBDA have, by amendment, extended the term of the existing Joint Exercise of Powers Agreement to June 30, 2020; and

WHEREAS, pursuant to the First Amendment, LAVWMA and EBDA have negotiated in good faith regarding the terms of an Amended and Restated Master Agreement the term of which is shall coincide with the Amended and Restated Joint Exercise of Powers Agreement, but require additional time to complete negotiations and, therefore, wish to further extend the term of the Master Agreement.

NOW, THEREFORE, in consideration of the promises made and recited herein and for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties do hereby agree to enter into this Second Amendment, which modifies and amends the Master Agreement and First Amendment as follows:

1. **Recitals.** The foregoing recitals are true and correct and hereby incorporated herein.

2. **Defined Terms.** All capitalized terms not defined herein shall have the meanings ascribed to them in the Master Agreement.
3. **Section 8 "Term of the Agreement"** is deleted in its entirety and replaced with the following:

"The term of this Master Agreement shall extend until January 1, 2021, provided however, that provision for Capital Buy-in (Par. 6.3) and all indemnification provisions contained in this Master Agreement shall survive the expiration of this Master Agreement. In addition, LAVWMA shall continue to be responsible for its share of operations, maintenance, and other costs as described in Paragraphs 6.1 and 6.2 as long as LAVWMA continues to discharge through the EBDA System even after this Master Agreement expires."

4. **Retroactive Application of Amended and Restated Master Agreement.** The parties acknowledge and agree they are negotiating in good faith in order to reach accord on the terms of an Amended and Restated Master Agreement and that the terms of any such Amended and Restated Master Agreement shall become effective on July 1, 2020 whether or not the parties have executed an Amended and Restated Master Agreement by July 1, 2020.

5. **Cost Premium.** The parties further acknowledge and agree that, due to the delay in finalizing an Amended and Restated Master Agreement and in consideration of EBDA's agreement to extend the term of the Master Agreement pursuant to this Second Amendment, LAVWMA shall continue to reimburse EBDA for the costs attributable to LAVWMA's use of and capacity rights in EBDA's facilities pursuant to the terms of the Master Agreement as well as an additional percent (X%) increase of [the costs incurred pursuant to Sections 2, 3 and 4 of Exhibit A of the Master Agreement] or [the total costs incurred by LAVWMA] ("Cost Premium"). The Cost Premium shall be applied to costs incurred by LAVWMA between July 1, 2020 and January 1, 2021, the termination of the Master Agreement pursuant to this Second Amendment and shall be remitted to EBDA within thirty (30) days from receipt of an invoice.

If the parties have executed an Amended and Restated Master Agreement by January 1, 2021, then, on or before July 1, 2021, EBDA shall calculate the total costs associated with LAVWMA's use of and capacity rights in EBDA's facilities pursuant to the terms of such Amended and Restated Master Agreement and compare those costs with the costs incurred by LAVWMA pursuant to the Master Agreement with the Cost Premium added and notify LAVWMA of the results of such cost comparison.

If the costs incurred by LAVMA pursuant to the terms of an Amended and Restated Master Agreement exceed those incurred pursuant to the Master Agreement plus the Cost Premium, then LAVMA shall reimburse EBDA for such additional costs by August 1, 2021. If the costs incurred by LAVMA pursuant to the Master Agreement plus the Cost Premium exceed those incurred pursuant to the terms of an Amended and Restated Master Agreement, then EBDA shall reimburse LAVMA for such costs by August 1, 2021.

6. **Effect of First Amendment.** Except as expressly modified by the First Amendment and this Second Amendment, all terms and conditions in the Master Agreement dated April 26, 2007 shall remain in full force and effect and the parties hereby ratify and affirm all their

respective rights and obligations under the Master Agreement, including but not limited to the indemnification obligations. In the event of any conflict between the Second Amendment and First Amendment or Master Agreement, the provisions of this Second Amendment shall govern.

7. **Binding Agreement.** This Second Amendment shall be binding upon and inure to the benefit of the heirs, administrators, executors, successors in interest, and assigns of each of the parties hereto. Any reference in this Second Amendment to a specifically named party shall be deemed to apply to any successor, administrator, executor, or assign of such party who has acquired an interest in compliance with the terms of this Second Amendment or under law.

8. **Counterparts.** Execution of this Second Amendment may be accomplished by execution of separate counterparts by each signatory. The separate executed counterparts, taken together, shall constitute a single agreement.

9. **Invalidity.** Any provision of this Second Amendment that is determined by a court of competent jurisdiction to be invalid or unenforceable shall be deemed severed from this Second Amendment, and the remaining provisions shall remain in full force and effect as if the invalid or unenforceable provision had not been a part hereof.

10. **Headings.** The headings used in this Second Amendment are for convenience only and shall be disregarded in interpreting the substantive provisions of this Second Amendment.

SIGNATURES ON FOLLOWING PAGE

IN WITNESS WHEREOF, the undersigned have executed this Second Amendment as of the Effective Date.

EAST BAY DISCHARGERS AUTHORITY
A Public Corporation

By: _____
Jacqueline Zipkin, General Manager
2651 Grant Avenue
San Lorenzo, CA 94580

Date: _____

Approved as to Form:

Eric Casher, Authority Counsel

LIVERMORE-AMADOR VALLEY WATER
MANAGEMENT AGENCY
A Public Corporation

By: _____
Charles V. Weir, General Manager
7051 Dublin Boulevard
Dublin, CA 94568

Date: _____

Approved as to Form:

Alexandra M. Barnhill, Agency Counsel

EBDA-LAVWMA Agreement Extension Term Sheet

Last Updated: March 16, 2020

Term

20 years, with expiration coincident with EBDA JPA (June 30, 2040)

If term is extended beyond June 30, 2020 without resolution on new terms, LAVWMA will pay a premium [current rates plus 25%] until new agreement is approved.

Capacity, Fixed Cost, and RRF

Pick a flow:

- LAVWMA fixed cost allocation based on max capacity
 - o Clause to be added stating that if EBDA member agencies increase their capacity beyond 169.4 MGD (historic capacity), LAVWMA capacity is renegotiated
- LAVWMA to participate in all cost centers, consistent with Member Agencies (except CSL)
- RRF allocation = Fixed Cost allocation

Excess Flow Penalty

Penalty = \$0.005/gallon (consistent with JPA), subject to review of selected capacity

Variable Cost

LAVWMA variable cost allocation to be based on proportion of total annual flow, consistent with Member Agencies. Call-out for Dechlorination Costs to be removed.

Liability

Allocation of costs associated with a failure of the Transport System and Outfall as per JPA:

- First \$1.25M shared based on Fixed Cost allocation (excluding SL)
- Above that, LAVWMA pays a share of OLEPS to MDF segment costs based on share of flow in that segment, as well as a share of outfall costs based on capacity share

Water Quality

LAVWMA to maintain a residual at the EBDA connection point. Value to be determined as part of the Disinfection Master Plan.

LAVWMA to sample weekly for fecal coliform and enterococcus at connection point and provide results to EBDA. If a result over EBDA's limits is detected, LAVWMA to provide EBDA with an explanation and action plan. If EBDA violates bacterial limits and LAVWMA data shows that it was the cause, LAVWMA to be responsible for any fines or liabilities.

LAVWMA to coordinate pumping with EBDA O&M Manager to ensure that representative samples can be collected for EBDA's discharge permit.

Brine

Consistent with JPA:

- Brine generated by the City of Pleasanton, the City of Livermore, or Dublin San Ramon Services District (i.e. the LAVWMA member agencies) that is not treated through their secondary process must be managed in accordance with EBDA's Brine Policy.
- Any agreement for acceptance of brine generated by an entity other than the City of Pleasanton, the City of Livermore, or Dublin San Ramon Services District for disposal through the LAVWMA-EBDA system must be approved by a unanimous vote of the EBDA Commission.
- The Zone 7 connection will not be grandfathered in, and EBDA approval will be required. EBDA agrees to negotiate in good faith toward a mutually agreeable solution and not unreasonably withhold approval.

Infrastructure

LAVWMA must participate in and share costs with EBDA for a study on reconfiguring the LAVWMA tie-in to EBDA to improve its hydraulic efficiency. If the study recommends cost-effective changes, EBDA and LAVWMA will discuss approaches to implementation and cost sharing.

LAVWMA Action Item List

Month: April 2020

SAG Task	Responsible Party	Due Date	Status	Completion Date
Items for May 20, 2020 LAVWMA Board Meeting	SAG	11/14/2019	Usual reports, updates on Risk and MCC projects, FY2020/21 O&M and Capital Project Budget, progress on renewal of agreement with EBDA.	
Operations Coordination Committee Task	Responsible Party	Due Date	Status	Completion Date
FYE 2020 Replacement Projects: See Items Below	Delight/Lopez	Various dates	Refer to information below.	
1. Rebuild Three Pumps - estimated cost of \$60,000 each, total \$180,000. Rebuild three motors at estimated cost of \$36,000 - 45,000.	Quinlan	12/31/2020	Pump quotes are near completion for both high efficiency and standard rebuild for comparison. Due to COVID-19 issues this project will not be completed this fiscal year and will be carried over to FY20/21	
2. Resealing of all three Storage Basins - estimated cost \$200,000	Quinlan	TBA	Survey results showed no settling of the basins. The rebar has been cut off at the top of the concrete. DSRSD mechanical will work with engineering. Due to COVID-19 issues this project will not be completed this fiscal year and will be carried over to FY20/21.	
3. San Leandro Sample Station Assessment. Estimated cost is \$25,000.	Weir	TBA	This project is in conjunction with No. 4, below. Due to EBDA agreement issues and information that will be coming from project No. 7, below, the scope of the project is expanding and will be carried over to FY20/21. The total cost of the project will also increase. Once the budget is approved by the Board, a combined project with No. 4 will be listed here.	
4. Surge valve replacement with Motorized Operating Ball Valve and Flow Meter Replacement - PRV automation at the SLSS. Estimated cost is \$40,000.	Quinlan		This project is in conjunction with No. 3, above. Due to EBDA agreement issues and information that will be coming from project No. 7, below, the scope of the project is expanding and will be carried over to FY20/21. The total cost of the project will also increase. Once the budget is approved by the Board, a combined project with No. 3 will be listed here.	
5. Pump Station Motor Control Center (MCC) and Soft Starter Upgrades. Estimated cost is \$1,100,000 over two fiscal years.	Weir/Atendido		Scope has been finalized with the addition of two tasks for PSPS and new PG&E tije of use rate structure. Cost still below the budget of \$225,000. Agreement in signature stage and should be completed by February 10. Notice to Proceed to immediately follow.	
6. Road Drainage Improvements at the LAVWMA Pump Station. Estimated cost is \$35,000.	Quinlan		This project has been delayed due to COVID-19 issues and will be carried over to FY20/21.	
7. Pump Station Risk Analysis and Forcemain Inspection and Evaluation	Weir/Atendido		Selected Hydro Science for the project. The scope was revised to help focus on capacity needs for EBDA negotiations. The member agencies have provided hourly flows for the last five years to assist in the capacity analysis. The project continues despite COVID-19 issues. Meetings have been held via Zoom. Pipeline inspection has also evolved to focus on those key sections determined by DSRSD staff. HydorScience is also working with DSRSD staff to produce a comprehensive GPS listing of all segments to assist with future inspections. A project will be added to the FY20/21 budget to do additional inspection of key segments.	
Other Items				
Wet Weather Issues	Fuller	10/31/2019	Meeting held October 17, 2019. Wet weather was not an issue this year.	
Live test of SLSS system	Fuller/Atendido	TBD	Conducted in April 2019. No significant issues.	
Live test of Alamo Canal discharge during wet weather	Carson/Fuller	TBD	Planning meeting held January 28, 2020. Decided on plan of action and in process of inspecting G11. Draft plan to be developed, reviewed by participants, and submitted to RWQCB for review. Hoping to conduct test in February. Using USGS flow guage data of Alamo Canal to ensure minimum 15:1 dilution during test. Will hold DSRSD flow at plant and divert Livermore flow to the junction structure. Coordinating with Zone 7 staff. Due to concerns with the coronavirus it was decided to not conduct this test due to possible backlash from Alameda County Water District. It will need to be carried over to wet weather season in 2020/21.	
Rectifier Cabinets P-6 & P-7 Rebuild/Replacement		TBD	DUI accident on September 14, 2019 destroyed both cabinets at intersection of Eden Canyon Rd and Dublin Canyon Rd. PG&E has cut power. SDRMA insurance notified, CHP report info obtained, pictures sent. Insurance adjuster has inspected it. Received estimate from Corpro to rebuild for \$36,686. Insurance adjuster in discussions with DSRSD staff regarding scope and cost.	
Wet Well Isolation Gates	Quinlan	6/30/2019	Gate is in good shape but won't fully close. No date set, perhaps this winter.	
EBDA Enterococcus Issue	Fuller		No issues at this time.	
YTD O&M Expenses compared to budget	Carson, Weir	Ongoing	Reviewed at every Operations Coordination Meeting.	

March 13, 2020

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



RE: 2020-21 Property/Liability Program Estimated Contribution

Dear Mr. Weir,

We sincerely appreciate your continued support of SDRMA and patience in waiting for the 2020-21 rates while we are working on obtaining renewal costs from the program excess/reinsurer carriers.

SDRMA continues to make every effort to reduce operating costs and minimize rate increases while ensuring the financial integrity of the Property/Liability Program. We have received initial indications from our excess/reinsurer carriers of imposed rate increases that are impacting all of their clients, including SDRMA.

The current insurance market continues to be impacted by the catastrophic losses around the world. Underwriting practices throughout the insurance market are consistently evolving due to the development of losses and cost of claims. Based on those factors and overall pool claims costs over the past several years, after considerable review and discussion with the SDRMA Board of Directors, 2020-21 renewal rates for the SDRMA Property/Liability Program need to be increased.

Instead of our normal annual rate letter, we are providing you with an estimated contribution percentage increase for use in your budgeting process. Over the next couple of months, we will continue to work with our excess/reinsures to negotiate the rate increases on behalf of our program membership. Your agency's actual renewal contribution will be confirmed on the 2020-21 renewal invoice that will be sent out in mid-May.

The actual contribution amount for 2020-21 will vary compared to 2019-20 due to rate increases, any coverage limit changes, stand-alone policy pricing, scheduled item additions/deletions, updates on agency operations submitted on the renewal questionnaire, risk factor adjustments, and Credit Incentive Program (CIP) points earned. Your agency's estimated contribution percentage increase is as follows:

2019-20 Annual Contribution \$5M Liability Limits	2020-21 Annual Contribution Proposed % Increase
\$39,011.00	42%



Our excess insurance carriers have encouraged us to ask each agency about the need for high liability limits, as they charge SDRMA and the agency based on the higher liability limits they are providing. Please consider a decrease to your liability coverage in exchange for a decrease in contribution as shown in the table below:

Lower liability coverage from \$5 million per occurrence to:	Estimated decrease to FY 2020-21 Proposed % Increase (above)
\$2.5 million per occurrence	5%

Other Important Items to Note:

- If you would like to elect an alternative liability limit for 2020-21, please provide your selected limit by **April 30, 2020** by emailing memberplus@sdrma.org.
- No Longevity Distribution is declared for the Property/Liability Program this year.
- Our Multi-Program Discount provides members a great opportunity to save money. Members receive an automatic multi-program discount of 5% per program (Property/Liability and Workers' Compensation) while they belong to both programs.
- Your annual contribution provides your agency with access to safety and loss prevention services, resources, and trainings that are provided at no additional cost, including Target Solutions, AB 1825/AB 1234 training, ergonomic assessments, discounted CSDA Conferences, trainings and webinars, and safety DVDs.
- The 2020-21 estimated contribution range does not serve as a 'not to exceed' amount. Any policy adjustment made before or after July 1 may incur a change in premium.
- Members considering withdrawal from coverage with SDRMA for the 2020-21 program year are required to submit a "Notice of Intent to Withdraw" by April 1 in accordance with SDRMA Bylaws and must have completed the initial three full program year commitment period.

On behalf of the Board of Directors and our entire risk management team, we thank you for your continued participation in our programs! If you have any questions, please contact Ellen Doughty, at edoughty@sdrma.org or 800.537.7790.

Sincerely,
Special District Risk Management Authority

Laura S. Gill, ICMA-CM, ARM, ARM-P, CSDM
Chief Executive Officer