

# AGENDA

## NOTICE OF REGULAR MEETING

**TIME:** 6 p.m.

**DATE:** Tuesday, April 19, 2022

**PLACE:** Regular Meeting Place  
7051 Dublin Boulevard, Dublin, CA

To allow the public the option to participate remotely during the COVID-19 pandemic, the public may listen and comment by telephone via Teams during open session as described in the Teleconference Access Information on Page 3 of the Agenda Packet.

The Boardroom is open to the public during open session. Due to the COVID-19 pandemic, meeting attendees are required to conduct a self-screening before entering District facilities. Face coverings are optional.

**Our mission is to protect public health and the environment by providing reliable and sustainable water, recycled water, and wastewater services in a safe, efficient, and fiscally responsible manner.**

1. CALL TO ORDER
2. PLEDGE TO THE FLAG
3. ROLL CALL – Members: Goel, Halket, Johnson, Rubio, Vonheeder-Leopold
4. SPECIAL ANNOUNCEMENTS/ACTIVITIES
  - 4.A. Approve Proclamation Re-dedicating the DSRSD Time Capsule and Resealing the Time Closet  
**Recommended Action:** Approve by Motion
5. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC)

At this time, members of the public in the audience and on the teleconference call are encouraged to address the Board on any item of interest that is within the subject matter jurisdiction of the Board and not already included on tonight's agenda. Comments should not exceed five minutes. Speaker cards are available for audience members from the District Secretary and should be completed and returned to the District Secretary prior to addressing the Board. The President of the Board will recognize each speaker, at which time the speaker should introduce him/herself, and then proceed with his/her comment. Written comments of five minutes or less and received by 5 p.m. on the day of the meeting will be read into the meeting record.
6. AGENDA MANAGEMENT (CONSIDER ORDER OF ITEMS)
7. CONSENT CALENDAR

Matters listed under this item are considered routine and will be enacted by one Motion, in the form listed below. There will be no separate discussion of these items unless requested by a Member of the Board or the public prior to the time the Board votes on the Motion to adopt.

  - 7.A. Approve Regular Meeting Minutes of April 5, 2022  
**Recommended Action:** Approve by Motion
  - 7.B. Consider Rejection of All Bids for the EALS Rehabilitation Project (CIP 21-P009)  
**Recommended Action:** Approve by Motion

- 7.C. Conditionally Approve Award to Low Bidder Marshall Brothers Enterprises, Inc. of the Joint Temporary Recycled Water Fill Station Project (CIP 22-R026)  
**Recommended Action:** Approve by Motion

8. BOARD BUSINESS

- 8.A. Approve Termination of District's State of Emergency in Response to COVID-19 Pandemic and Rescind Resolution No. 26-20  
**Recommended Action:** Approve by Resolution
- 8.B. Approve Proposed Livermore-Amador Valley Water Management Authority (LAVWMA) Operations and Maintenance Budget for Fiscal Year Ending 2023  
**Recommended Action:** Approve by Motion
- 8.C. Receive Presentation and Support the Proposed DSRSD-EBMUD Recycled Water Authority (DERWA) Operations and Maintenance Budget for Fiscal Year Ending 2023  
**Recommended Action:** Receive Presentation and Support by Motion

9. REPORTS

9.A. Boardmember Items

- 9.A.1. Joint Powers Authority and Committee Reports  
9.A.2. Submittal of Written Reports for Day of Service Events Attended by Directors  
9.A.3. Request New Agenda Item(s) Be Placed on a Future Board or Committee Agenda

9.B. Staff Reports

- 9.B.1. Event Calendar  
9.B.2. Correspondence to and from the Board

10. CLOSED SESSION

- 10.A. Conference with Labor Negotiators Pursuant to Government Code Section 54957.6  
Agency Negotiators: Dan McIntyre, General Manager  
Carol Atwood, Administrative Services Director  
Employee Organizations: 1. IFPTE Local 21/Professional Employees  
2. Unrepresented Employees  
Additional Attendees: Douglas E. Coty, General Counsel
- 10.B. Public Employee Performance Evaluation Pursuant to Government Code Section 54957  
Title: General Manager

11. REPORT FROM CLOSED SESSION

12. ADJOURNMENT

## Teams Teleconference Access Information

### Dublin San Ramon Services District Regular Board Meeting Tuesday, April 19, 2022

If the public wishes to provide comments during Agenda Item 5 – Public Comment, or on any of the agenda items, please join the meeting using the teleconference instructions below, or email written comments to the Board of Directors at [board@dsrsd.com](mailto:board@dsrsd.com) by 5 p.m., Tuesday, April 19, 2022. Written comments, of five minutes or less, will be read into the meeting record during the public comment portion of the agenda or during discussion of the subject of the comment.

#### **To Join by Phone:**

1. Dial **(831) 256-7773** USA Toll from any telephone.
2. Enter Conference ID **289 193 040#** when prompted. **DO NOT PRESS \***.
3. Wait for the meeting host to admit you. If you are unsuccessful in joining, hang up and dial in again.
4. You must unmute yourself when you wish to speak by pressing \*6, which is also used to mute yourself when you finish speaking.

#### **Participation Instructions and Information:**

- Stay muted unless speaking.
- Listen for prompts to know when public comments are solicited.
- You must unmute yourself when you wish to speak during Public Comment or during discussion of a particular agenda item. The meeting host can mute but cannot unmute participants.
- Announce yourself and speak slowly and clearly when commenting.

Boardmembers and staff will be attending the meeting in person.



**TITLE:** Approve Proclamation Re-dedicating the DSRSD Time Capsule and Resealing the Time Closet

**RECOMMENDATION:**

Staff recommends the Board of Directors approve, by Motion, the Proclamation to re-dedicate the DSRSD Time Capsule and reseal the Time Closet.

**DISCUSSION:**

The DSRSD Time Capsule was originally sealed in the Time Closet walls within the Dublin San Ramon Services District Boardroom on April 20, 2004. The Time Capsule and Time Closet were proudly created to commemorate the first 50 years of DSRSD operations. On November 11, 2018, the District Office flooded due to an underground fire line break, and the building needed to be restored and renovated, causing the emergency opening of the Time Closet to retrieve and preserve the Time Capsule. The COVID-19 pandemic delayed the reinstatement of the Time Closet further. Staff is pleased to convene the Board’s rededication of the Time Capsule and Time Closet this evening.

<b>Originating Department:</b> Office of the General Manager	<b>Contact:</b> L. Blevins/D. McIntyre	<b>Legal Review:</b> Not Required
<b>Financial Review:</b> Not Required	<b>Cost and Funding Source:</b> N/A	
<b>Attachments:</b> <input type="checkbox"/> None <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input checked="" type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)		4 of 41



# Proclamation

Celebrating

## DSRSD's Time Capsule Re-dedication and Time Closet Resealing

in anticipation of the District's 100th Anniversary

WHEREAS, the Time Capsule was originally sealed in the Time Closet walls within the Dublin San Ramon Services District Boardroom on April 20, 2004; and

WHEREAS, the Time Capsule and Time Closet were proudly created to commemorate the first 50 years of DSRSD operations; and

WHEREAS, on November 11, 2018, the District Office flooded due to an underground fire line break, and the building needed to be restored and renovated; and

WHEREAS, the Time Closet was carefully unpacked and boxed up until it could be reinstated, however, the Time Capsule itself was never unsealed; and

WHEREAS, in March 2020, the COVID-19 pandemic created the need for DSRSD staff to shelter in place and work from their homes as much as possible; and

WHEREAS, the renovated District Office reopened to the public on July 6, 2021, as staff members returned in phases to the building; and

WHEREAS, the Time Capsule and Time Closet items were restored to their location, with the addition of a few relevant items including a cloth mask with DSRSD logo that was issued to staff during the pandemic; and

WHEREAS, the District Secretary will have custody of the key to the Time Closet; and

WHEREAS, the Time Closet and Time Capsule are to be opened on the District's 100th anniversary of April 17, 2053.

NOW, THEREFORE BE IT PROCLAIMED that the Board of Directors of Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa, celebrates

## The DSRSD Time Capsule Re-dedication and Time Closet Resealing

on the occasion of the Board of Directors meeting during the week of the District's 69th anniversary.

Adopted this 19th day of April, 2022

Richard M. Halket, President

Marisol Rubio, Vice President

Arun Goel, Director

Georgan M. Vonheeder-Leopold, Director

Ann Marie Johnson, Director

Nicole Genzale, District Secretary

**DUBLIN SAN RAMON SERVICES DISTRICT  
MINUTES OF A REGULAR MEETING OF THE BOARD OF DIRECTORS**

**April 5, 2022**

Pursuant to the authorizations provided by Government Code Section 54953(e), and local county health orders issued to address the COVID-19 pandemic, the Board meeting was held via Teams Teleconference. The District Boardroom was closed to the public. The public could observe and comment by electronic means as described on Page 4. As required by the Brown Act, all votes were taken by roll call vote due to the attending Directors participating via teleconference.

1. CALL TO ORDER

A regular meeting of the Board of Directors was called to order at 6:01 p.m. by President Halket.

2. PLEDGE TO THE FLAG

3. ROLL CALL

Boardmembers present at start of meeting:

President Richard M. Halket, Vice President Marisol Rubio, Director Arun Goel, Director Georgean M. Vonheeder-Leopold, and Director Ann Marie Johnson.

District staff present: Dan McIntyre, General Manager; Carol Atwood, Administrative Services Director/Treasurer; Steve Delight, Engineering Services Director/District Engineer; Douglas E. Coty, General Counsel; and Nicole Genzale, Executive Services Supervisor/District Secretary.

4. SPECIAL ANNOUNCEMENTS/ACTIVITIES – None

5. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC) – 6:02 p.m. No public comment was received.

6. AGENDA MANAGEMENT (CONSIDER ORDER OF ITEMS) – President Halket recommended that Item 8.F be taken as the last item in open session to ensure a smoother transition from Director Vonheeder-Leopold’s recusal from Item 8.F to Closed Session Item 10. The Board agreed with his recommendation. He also stated that Closed Session Item 10.A may not be needed if Item 7.D is approved on the Consent Calendar. Lastly, he advised that Director Goel may depart the meeting early.

7. CONSENT CALENDAR

Director Vonheeder-Leopold MOVED for approval of the items on the Consent Calendar.  
Director Johnson SECONDED the MOTION, which CARRIED with FIVE AYES per roll call vote.

7.A. Approve Regular Meeting Minutes of March 15, 2022 – Approved

7.B. Approve Change Order No. 3 for the WWTP SCADA Improvements Project (CIP 05-3206)  
– Approved – Resolution No. 13-22

7.C. Affirm No Changes to the Use of Onsite Wastewater Treatment Systems Policy – Approved

7.D. Tentative Agreement with the Stationary Engineers, Local 39 for Successor Memorandum of Understanding (MOU) for the Period December 13, 2021, through December 21, 2025 – Approved – Resolution No. 14-22

- 7.E. Approve Health Insurance Contribution for Calendar Year 2022 for Local 39 Employees – Approved – Resolution No. 15-22
- 7.F. Adopt Pay Schedule in Accordance with California Code of Regulations, Title 2, Section 570.5, Requirement for a Publicly Available Pay Schedule and Rescind Resolution No. 5-22 – Approved – Resolution No. 16-22

## 8. BOARD BUSINESS

- 8.A. Approve a Minor Revision to the Agreement with the City of Livermore and the City of Pleasanton for a Temporary Joint Residential Recycled Water Fill Station

Engineering Services Director Delight reviewed the item for the Board. The Board and staff discussed the proposed agreement revision to increase the annual fill station user fee (from \$100 to \$150) by Pleasanton’s City Council to help defray operational costs. They further discussed potential effects of implementing a higher user fee, and the operational and per-gallon costs to both the District and fill station users.

Vice President Rubio MOVED to Approve a Minor Revision to the Agreement with the City of Livermore and the City of Pleasanton for a Temporary Joint Residential Recycled Water Fill Station. Director Goel SECONDED the MOTION, which CARRIED with THREE AYES and TWO NOES (Halket, Vonheeder-Leopold) per roll call vote.

- 8.B. Approve Amendment to the Capital Improvement Program Ten-Year Plan and Two-Year Budget for Fiscal Years 2022 and 2023 to Increase the Joint Temporary Recycled Water Fill Station Project (CIP 22-R026) Budget, and Award Construction Agreement to Marshall Brothers Enterprises, Inc. for the Joint Temporary Recycled Water Fill Station Project (CIP 22-R026)

Engineering Services Director Delight reviewed the item for the Board. The Board and staff discussed the substantially higher bid received from the lowest responsive bidder in comparison to the engineer’s estimate, and the potential impacts the higher project cost could have on partner agency participation and the project timeline. The Board supported amending the project budget, but opted to take no action on the award of contract at this time, and directed staff to bring that matter back to the Board on April 19 for further consideration.

Director Vonheeder-Leopold MOVED to Approve Resolution No. 17-22, Approving an Amendment to the Capital Improvement Program Ten-Year Plan and Two-Year Budget for Fiscal Years Ending 2022 and 2023 to Increase the Joint Temporary Recycled Water Fill Station Project (CIP 22-R026) Budget, and Further Determining that this Action Specifically Does Not Include the Award of Contract at this Time. Director Johnson SECONDED the MOTION, which CARRIED with FIVE AYES per roll call vote.

- 8.C. Public Hearing: Establish Water Capacity Reserve Fees and Rescind Resolution No. 38-16

President Halket announced the item and declared the Public Hearing open. He asked for the staff presentation.

Financial Services Manager Herman Chen reviewed the item for the Board. He gave a presentation showing the proposed fees and historical fee adjustments from 2016 to 2021. The presentation was added to the website as supplementary materials. He also introduced consultant Mr. Shawn Koorn, Associate Vice President of HDR Engineering, Inc., who conducted the District’s Draft 2022 Water Capacity Reserve Fee Study. Mr. Chen reported that one developer inquiry (not a protest) was responded to by staff prior to tonight’s public hearing:

*“Hi Carol: I am reaching out to you regarding a few questions on the proposed fees. Herman Chen is also listed as a contact but I cannot find his email address on the DSRSD website. I assume the current fee study is posted online. I just want to review to get some background info. What have been the capacity fees each year since the current fee study was adopted (2016, 17, 18, 19, 20, 21)? Has each increase been at the ENR construction cost index increase? What happens when there is a index decline? Thanks, Doug Doug Chen, RCE, LS, Discovery Builders” (March 12, 2022)*

*“Hello Mr. Chen,  
The District’s rate and fee studies including the draft water capacity reserve fee study are available on the DSRSD website at [Rates & Fees | Dublin San Ramon Services District \(dsrsd.com\)](#). The following table summarizes water capacity reserve fees for a 5/8” meter since FYE16. Also included in the table is the ENR CCI for the corresponding fiscal year. Overall water capacity reserve fee adjustments have historically been slightly less than the cost construction index.*

	FYE16	FYE17	FYE18	FYE19	FYE20	FYE21
	12,407	12,763	12,865	13,104	13,335	13,707
variance (%)	-	2.87%	0.80%	1.86%	1.76%	2.79%
CCI (%)	-	3.55%	1.19%	2.72%	2.56%	4.01%

*I don’t recall CCI ever going negative, but in the event that it does, staff would likely bring an adjustment to reduce the water capacity reserve fee to the District Board for consideration. Please let me know if you have any further questions. Thanks, Herman” (March 13, 2022)*

*“Herman: Thank you for your prompt response. I do have the March 2022 Capacity Fee Report (draft), but could not find the current fee study (adopted 2016 study, I believe). Yes, the index does not typically decline year-over-year, and when it does happen, the decline is minor. I use the CA DGS CCI (which uses the ENR CCI for San Francisco and Los Angeles). When the index does decline, it usually follows a period of sharp increases (as we are now experiencing). From your response, it appears that this situation would be handled on a case by case basis – that makes sense. Again, then you for getting back to me. Thanks, Doug” (March 15, 2022)*

President Halket inquired if there were any comments from the public. There was no public comment received. President Halket declared the Public Hearing closed.

The Board and staff discussed the method for calculating the five-year fee schedule and the implementation of such increases on an annual basis.

Director Vonheeder-Leopold MOVED to Adopt Resolution No. 18-22, Establishing Water Capacity Reserve Fees Under Sections 3.70.010.A and 3.70.010.B of the District Code and Rescind Resolution No. 38-16. Vice President Rubio SECONDED the MOTION, which CARRIED with FIVE AYES per roll call vote.



- 8.D. Approve Continuation of District's State of Emergency in Response to COVID-19 Pandemic by General Manager and Find that the Need for the District's State of Emergency Still Exists

General Manager McIntyre reviewed the item for the Board. The Board and staff discussed returning to in-person Board meetings on April 19, barring changes to current pandemic conditions.

Vice President Rubio MOVED to Approve Continuation of District's State of Emergency in Response to COVID-19 Pandemic by General Manager and Find that the Need for the District's State of Emergency Still Exists. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FIVE AYES per roll call vote.

- 8.E. Award Construction Agreements to Con-Quest Contractors, Inc., DPI, Inc., West Valley Construction Company, Inc., and McGuire and Hester for the On-Call Water System and Sewer System Repairs, FYE 2023–2025 (CIP 19-W004) Project, and Authorize the General Manager to Exercise up to Two One-Year Option Terms to the Construction Agreements

Engineering Services Director Delight reviewed the item for the Board. The Board expressed support for contracting with four contractors to address the planned and emergency infrastructure repair needs. For clarity, General Counsel Coty explained that the staff recommendation for the Board to formally reject the fifth bid for non-compliance is a requirement of the Public Contract Code.

Vice President Rubio MOVED to Approve the Award of Construction Agreements to Con-Quest Contractors, Inc., DPI, Inc., West Valley Construction Company, Inc., and McGuire and Hester for the On-Call Water System and Sewer System Repairs, FYE 2023–2025 (CIP 19-W004) Project, and Authorize the General Manager to Exercise up to Two One-Year Option Terms to the Construction Agreements. Director Vonheeder-Leopold SECONDED the MOTION, which CARRIED with FIVE AYES per roll call vote.

- 8.F. Approve Health Insurance Contribution for Calendar Year 2022 for Board of Directors

Director Vonheeder-Leopold stated, “I am recusing myself from any participation in any discussions, decisions, or voting on the Health Insurance Contribution for Calendar Year 2022 for Board of Directors, Item 8.F, to ensure that I neither influence nor attempt to influence another member of the DSRSD Board regarding any matters pertinent to the item, consistent with applicable provisions of the Government Code, because I receive health benefits as a retired Boardmember of Dublin San Ramon Services District. I will now disconnect from the public meeting and rejoin when the Board has finished discussion of this item.”

Director Vonheeder-Leopold departed the Board meeting at 6:59 p.m. before Item 8.F. She returned to the meeting at approximately 7:06 p.m. after discussion of Item 8.F.

Administrative Services Director Atwood reviewed the item for the Board. She clarified, for the record, that the rate year shown in the second to last paragraph on page two of the staff report (page 165 of the agenda packet) should show 2021 rather than 2022.

Vice President Rubio MOVED to Approve the Calendar Year 2022 Health Insurance Contribution for Active Boardmembers and Annuitants, and to Approve Reimbursement Retroactively to January 2022 to be Consistent with the Employee Bargaining Group Contracts. Director Johnson SECONDED the MOTION, which CARRIED FOUR AYES and ONE ABSENT (Vonheeder-Leopold) per roll call vote.

## 9. REPORTS

### 9.A. Boardmember Items

- 9.A.1. Joint Powers Authority and Committee Reports  
DSRSD/City of Pleasanton Liaison – March 22, 2022  
DERWA – March 28, 2022

President Halket invited comments on recent JPA/committee activities. Directors felt the available staff reports adequately covered the many matters considered at the JPA/committee meetings and made a few comments about some of the JPA/committee activities. Director Goel stated, for the record, that the Pleasanton representatives made some interesting statements about things that may be coming DSRSD's way regarding the recycled water program.

- 9.A.2. Submittal of Written Reports for Day of Service Events Attended by Directors – None

- 9.A.3. Request New Agenda Item(s) Be Placed on a Future Board or Committee Agenda

Director Johnson requested an item be scheduled for an upcoming meeting regarding progress of, and Board actions related to, the City of Pleasanton's Costco project. General Manager McIntyre confirmed that the Board's previous approval of an easement is all that was required by DSRSD, and that staff will include interesting updates in General Manager Reports or Board meetings.

### 9.B. Staff Reports

- 9.B.1. Event Calendar – General Manager McIntyre reported on the following:
- The Dublin State of the City Address will be held on Wednesday, April 20 at 11:30 a.m. at the Shannon Community Center.
  - A Tri-Valley Water Liaison Committee meeting will be held on Tuesday, April 26 at 4 p.m. at the City of Dublin's Civic Center.
  - DSRSD will host a Tri-Valley Chamber of Commerce Network Mixer with cities of Dublin, Pleasanton, and San Ramon Chambers on Wednesday, April 27 from 5 p.m. – 7 p.m. at the District Office.
  - The ACWA Spring Conference will be held Wednesday, May 4 to Thursday, May 5 in Sacramento.
  - A special Board meeting will be held on Tuesday, May 10 at 6 p.m.

- 9.B.2. Correspondence to and from the Board on an Item not on the Agenda – None

Director Goel departed the meeting at 7:05 p.m.

10. CLOSED SESSION

At 7:06 p.m. the Board went into Closed Session.

10.A. NOT HELD – Conference with Labor Negotiators Pursuant to Government Code Section 54957.6

Agency Negotiators: Dan McIntyre, General Manager  
Carol Atwood, Administrative Services Director

Employee Organizations: Stationary Engineers, Local 39

Additional Attendees: Douglas E. Coty, General Counsel

10.B. Conference with Labor Negotiators Pursuant to Government Code Section 54957.6

Agency Designated Representative: Douglas E. Coty, General Counsel

Unrepresented Employee: General Manager

11. REPORT FROM CLOSED SESSION

At 7:19 p.m. the Board came out of Closed Session. President Halket announced that there was no reportable action.

12. ADJOURNMENT

President Halket adjourned the meeting at 7:20 p.m.

Submitted by,

Nicole Genzale, CMC  
Executive Services Supervisor/District Secretary



**TITLE:** Consider Rejection of All Bids for the EALS Rehabilitation Project (CIP 21-P009)

**RECOMMENDATION:**

Staff recommends the Board of Directors reject, by Motion, all bids received for the EALS Rehabilitation Project (CIP 21-P009).

**DISCUSSION:**

The East Amador Lift Station (“EALS”) pumps wastewater from the City of Pleasanton’s East Amador Transmission Sewer into the District’s trunk sewer within the Regional Wastewater Treatment Facility. Originally constructed in 1967, and later rehabilitated in 1990, the existing electrical and mechanical infrastructure within EALS is nearing the end of its useful life. The EALS Rehabilitation Project (CIP 21-P009) (“Project”) includes the removal of the existing mechanical and electrical equipment and the installation of new owner-furnished equipment including three pumps and motors, three variable frequency drives, three flow meters, one level transmitter, and one discharge valve.

The bid period for the Project began on Wednesday, February 23, 2022, and five bids ranging from \$189,000 to \$475,000 were received on March 23, 2022. The engineer’s opinion of probable cost for the base bid was \$235,000. As provided for in the Bid/Contract Documents, the District’s Board of Directors retains sole discretion to reject any or all non-responsive bids, to waive minor irregularities in a bid and award the contract, or to reject all bids. However, the Board of Directors may not waive a bid irregularity that is materially non-responsive (i.e., gives a bidder an unfair advantage over other bidders).

The first and second low bids appear to be materially non-responsive due to failure to list projects meeting the minimum requirements set out in Section 00460 of the Contract Documents. The third low bid also appears to be materially non-responsive due to failure to fill out and sign Section 00461 as was explicitly required by Addendum No. 2. The fourth low bid is nearly double the engineers estimate and is significantly greater than the amount budgeted for the Project. Based on staff’s review of the bids received, and in consideration of the best interests for the District, staff recommends the Board of Directors reject all bids.

Staff will review, evaluate, and update the Bid/Contract Documents, as needed, and readvertise the Project for bid within the next 60 days.

<b>Originating Department: Engineering Services</b>	<b>Contact: S. Mann/S. Delight</b>	<b>Legal Review: Yes</b>
<b>Financial Review: Not Required</b>	<b>Cost and Funding Source: N/A</b>	
<b>Attachments:</b> <input type="checkbox"/> None <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	<b>Attachment 1 – Bid Results</b>	



**Dublin San Ramon  
Services District**

*Water, wastewater, recycled water*

**Results of Bid Opening for  
EALS Pump Station Rehabilitation Project (CIP 21-P009)  
Wednesday, March 23, 2022 @ 2 p.m.**

**Engineer's Estimate:      \$      235,000**

No.	Name of Bidder	Bid Amount
1	Radman Electric, Hayward, CA	\$ 189,000
2	Bartley Pump PM, LLC dba PumpMan Norcal, Santa Rosa, CA	\$ 220,000
3	D.W. Nicholson Corporation, Hayward, CA	\$ 317,450
4	Blocka Construction, Inc., Pleasanton, CA	\$ 418,000
5	Mark Lee and Yong Kay, Inc., dba Bay Construction Co., Oakland, CA	\$ 475,000

Contractor/Subcontractor	Contractor License No.	PWC Registration No.	Location	Trade	Amount of Work to be Performed
<b>Radman Electric, Hayward, CA</b>					
Construction H. Inc.	1038031	1000058305	San Pablo, CA	Partial mechanical work	\$ 42,000
<b>Bartley Pump PM, LLC dba PumpMan Norcal, Santa Rosa, CA</b>					
No subs listed					\$ -
<b>D.W. Nicholson Corporation, Hayward, CA</b>					
Western Oilfields Supply Co. dba Rain for Rent	904992	1000007030	Bakersfield, CA	Sewer bypasspumping	\$ 57,863
<b>Blocka Construction, Inc., Pleasanton, CA</b>					
Pump Repair Svc. Co., Inc.	263997	1000001908	San Francisco, CA	Mechanical	\$ 160,500
Primex Controls	1016640	1000043535	Detroit Lakes, MN	FVD Startup	\$ 6,200
Rain for Rent	904992	1000007030	Bakersfield, CA	Bypass pumping	\$ 57,000
<b>Mark Lee and Yong Kay, Inc., dba Bay Construction Co., Oakland, CA</b>					
Pump Repair Svc. Co.	263997	1000001908	San Francisco, CA	Pump, valve & flow meter work	\$ 160,500
Western Oilfields Supply Co. dba Rain for Rent	904992	1000007030	Oakley, CA	Bypass pumping	\$ 60,000
Telstar Instruments	422364	1000000899	Concord, CA	Electrician	\$ 69,775



**TITLE:** Conditionally Approve Award to Low Bidder Marshall Brothers Enterprises, Inc. of the Joint Temporary Recycled Water Fill Station Project (CIP 22-R026)

**RECOMMENDATION:**

Staff recommends the Board of Directors conditionally approve, by Motion, award of the Joint Temporary Recycled Water Fill Station Project (CIP 22-R026) (“Project”) to Marshall Brothers Enterprises, Inc., the lowest responsive, responsible bidder, in the amount of \$1,466,292.91. The award, and authorization to enter into a construction agreement, is recommended to be expressly conditioned on (1) the Cities of Livermore and Pleasanton authorizing and allocating full funding for their shares of the Project and, (2) full execution of the Temporary Joint Recycled Water Fill Station Agreement between DSRSD, City of Livermore, and City of Pleasanton.

**DISCUSSION:**

The Board previously directed staff to work out the details for a joint venture with the Cities of Livermore and Pleasanton (“Cities”) to design, construct, and operate a temporary Tri-Valley Residential Fill Station at the DSRSD’s vacant Gleason property. The agreement was approved on March 15, 2022 and revised on April 5, 2022. Concurrently, staff worked with the Cities to design the Project.

The Project will construct a recycled water fill station for residential users during periods of mandatory potable water conservation for irrigation. The scope of work includes clearing, grubbing, and grading of approximately 1.5 acres; connections to the existing recycled water distribution system; and the construction of the temporary recycled fill station which will consist of new plumbing improvements for 40 hose connections to support filling operations, new driveways to enter and exit the site, and pervious pavement and surface drainage facilities.

The bid period for the Project began on Thursday, March 17, 2022, and two bids ranging from \$1,466,292.91 to \$1,748,260.00 were received on Tuesday, March 29, 2022. The engineer’s estimate was \$970,000. The low bid was received from Marshall Brothers Enterprises, Inc. and contained no irregularities. Attachment 1 provides a summary of the bid results.

Staff recommends the Board conditionally award the Project to Marshall Brothers Enterprises, Inc. contingent on both Cities authorizing and allocating the full funding necessary to cover their portion of the project costs, and on full execution of the Temporary Joint Recycled Water Fill Station Agreement. The Cities are scheduled to bring the budgetary item to their City Councils on April 19 and April 25, respectively. The Temporary Joint Recycled Water Fill Station Agreement is, at the time of this writing, awaiting signatures.

A Notice of Exemption for the Project per California Environmental Quality Act (“CEQA”) was filed on February 3, 2022. The Project is exempt from CEQA pursuant to CEQA Guidelines 15301(b), 15303(d), 15304(a), and 15304(e).

The contract time for the Project is 60 calendar days and is estimated to be completed by June 2022.

<b>Originating Department: Engineering Services</b>	<b>Contact: S. Mann/S. Delight</b>	<b>Legal Review: Yes</b>
<b>Financial Review: Not Required</b>	<b>Cost and Funding Source: \$1,466,292.91 from Water Replacement (Fund 610)</b>	
<b>Attachments:</b> <input type="checkbox"/> None <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	<b>Attachment 1 – Bid Results</b>	
		14 of 41



**Results of Bid Opening for  
Joint Temporary Recycled Water Fill Station Project (CIP 22-R026)  
Tuesday, March 29, 2022 @ 2 p.m.**

<b>Engineer's Estimate:</b>	<b>\$ 970,000</b>
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No.	Name of Bidder	Bid Amount
1	Marshall Brothers Enterprises, Inc., Livermore, CA	\$ 1,466,292.91
2	Saboo Inc., Brentwood, CA	\$ 1,748,260.00

Contractor/Subcontractor	Contractor License No.	PWC Registration No.	Location	Trade	Amount of Work to be Performed
<b>Marshall Brothers Enterprises, Inc.</b>					
RJA	n/a	1000034595	Pleasanton, CA	Construction staking	\$ 14,000
ASI	808560	1000017246	Milpitas, CA	Asphalt, concrete	\$ 364,984
Chrisp Company	374600	1000000306	Fremont, CA	Striping	\$ 10,295
<b>Saboo Inc.</b>					
Peter Ellis Const.	476364	1000690442	American Canyon, CA	Grading, concrete, excavation	20%
G&S Paving Inc.	968450	1000742136	Oakley, CA	Paving	7%
Compass Eng.	868996	1000003328	Hayward, CA	Striping	21%



**TITLE:** Approve Termination of District's State of Emergency in Response to COVID-19 Pandemic and Rescind Resolution No. 26-20

**RECOMMENDATION:**

Staff recommends the Board of Directors approve, by Resolution, termination of the State of Emergency in response to the COVID-19 pandemic and rescind Resolution No 26-20 that confirmed and ratified the Emergency Declaration made by the General Manager as the District’s Emergency Manager.

**SUMMARY:**

On March 25, 2020, the Board of Directions confirmed and ratified the District’s State of Emergency due to the COVID-19 pandemic as proclaimed by the General Manager, the District’s Emergency Manager. Over the last two years, the District has implemented numerous measures to respond to COVID-19, protect public health and the environment, and ensure the continuation of vital water and wastewater services to the community. With vaccines, boosters, and testing now widely available, state and local public health officials have lifted the majority of COVID-19 restrictions put in place to slow the spread of the virus and shifted to an endemic approach to responding to COVID-19. Therefore, staff recommends terminating the District State of Emergency due to the COVID-19 pandemic.

**BACKGROUND:**

On March 4, 2020, the Governor of California proclaimed that a State of Emergency exists in California as a result of COVID-19, a coronavirus caused by the novel coronavirus (CoV-2). On March 13, 2020, the President of the United States declared a national state of emergency in response to the spread of COVID-19 within the United States of America.

On March 16, 2020, the public health officers of Alameda County, Contra Costa County, and four other Bay Area counties issued the first shelter-in-place order directing their respective residents to remain at home and limiting the operations of certain businesses and activities to protect public health and slow the spread of the virus. On March 19, 2020, Governor Newsom issued Executive Order N-33-20 ordering all individuals living in California to stay home at their place of residence, with certain exceptions for critical services and other qualifying exceptions.

On March 16, 2020, the General Manager, as the District’s Emergency Manager per the Emergency Response Plan policy (P300-16-2), proclaimed a District State of Emergency to respond to the COVID-19 pandemic and state and local public health orders. District emergency plans were aggressively implemented to allow for operational flexibility in meeting the challenges of COVID-19, while providing essential water and wastewater services to the community. On March 25, 2020, the Board of Directors approved Resolution No. 26-20, which confirmed the continuation of the District State of Emergency and directed the General Manager to report on progress at least at every regularly scheduled meeting until the State of Emergency is terminated. The Board of Directors has continued the District’s State of Emergency due to COVID-19 at every regularly scheduled Board meeting from April 7, 2020 through April 5, 2022.

Since the first Bay Area shelter-in-place order was issued on March 16, 2020, the State of California, Alameda County Health Officer, and California Division of Occupational Safety and Health (Cal/OSHA) have implemented and modified COVID-19 restrictions that have affected DSRSD’s safety practices and operations. These COVID-19 restrictions have evolved based on changing pandemic conditions. Over the past two years, the District, under the direction of the Emergency Manager, has implemented and modified numerous measures to comply with all applicable COVID-19 regulations for the workplace and to ensure the continuation of vital water and wastewater services. These measures include:

<b>Originating Department:</b> Office of the General Manager	<b>Contact:</b> J. Lee	<b>Legal Review:</b> Yes
<b>Financial Review:</b> Not Required	<b>Cost and Funding Source:</b> N/A	
<b>Attachments:</b> <input type="checkbox"/> None <input checked="" type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input type="checkbox"/> Other (see list on right)		



- COVID-19 task force to monitor and implement public health orders and Cal/OSHA regulations
- COVID-19 response and safety plans, including a Pandemic Action Plan, Exposure Control Plan, Contractor Protocols and Visitor Safety Requirements, Site Specific Protection Plan, and COVID-19 Prevention Plan
- Emergency teleworking program
- Physical distancing of staff, including implementing staggered work schedules and erecting physical barriers between workstations
- Remote meetings, including virtual Board meetings
- Enhanced cleaning and disinfection procedures
- Temporary suspension of activities to minimize close contact
- Distribution of cleaning supplies, face coverings, thermometers, and COVID-19 self-test kits to staff
- Symptom self-check and contact tracing applications
- HVAC improvements in all buildings
- Administration of complex federal and state mandated supplemental leave programs

In mid-2021, the District began implementing a Safe Return to Onsite Work plan to gradually transition back to “normal” operations. The key elements of the Safe Return to Onsite Work Plan include (1) ongoing changes to District COVID-19 safety practices and protocols to align with evolving state and local public health orders and Cal/OSHA requirements; (2) a phased approach for returning our remote workers to onsite work; (3) opening of the District office to the public; and (4) resuming in-person Board meetings. Over the past year, the timing of these elements has been adjusted to respond to changing pandemic conditions.

The majority of measures the District implemented to respond to the COVID-19 emergency have now been lifted, in accordance with state, local, and Cal/OSHA regulations. Full implementation of the Safe Return to Onsite Work plan is anticipated by the end of May 2022.

**DISCUSSION:**

COVID-19 is not going away. Public officials have advised that there are likely to be variants that cause surges in COVID-19 cases in the future. Furthermore, on January 18, 2022, Governor Newsom announced the State’s shift to the next (“endemic”) phase of responding to COVID-19, which focuses on learning to live with the coronavirus. Vaccines, boosters, and testing are now widely available to the public and treatment options are expanding. Consistent with the State’s endemic approach to managing COVID-19, the District’s COVID-19 response will shift from emergency response to ongoing business continuity operations. The District’s Environmental Health and Safety team will continue to monitor and ensure compliance with state, local, and Cal/OSHA COVID-19 requirements as part of the District’s safety programs.

While it is evident that health risks from COVID-19 continue and some protective measures against that risk will need to remain in place, a District declared State of Emergency is no longer needed to assure proper staffing and support of critical operational functions. Therefore, staff is recommending that the Board terminate the District State of Emergency due to the COVID-19 pandemic and direct the General Manager to terminate any actions implemented under the Emergency Declaration by the end of May 2022, unless otherwise required by state or federal laws or regulations promulgated in response to the COVID-19 pandemic.

RESOLUTION NO. \_\_\_\_\_

RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT TERMINATING THE DISTRICT STATE OF EMERGENCY DUE TO THE COVID-19 PANDEMIC AND RESCINDING RESOLUTION NO. 26-20

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WHEREAS, in March of 2020, in response to the spread of COVID-19, the President of the United States of America proclaimed a national State of Emergency and the Governor for the State of California proclaimed a statewide State of Emergency; and

WHEREAS, on March 16, 2020, the General Manager in the capacity of the District's Emergency Manager per the Emergency Response Plan policy proclaimed a District State of Emergency due to the COVID-19 pandemic and activated the District Emergency Response Plan; and

WHEREAS, on March 25, 2020, by Resolution No. 26-20, the Board of Directors confirmed and ratified the Emergency Declaration and directed the General Manager to take all actions necessary to continuously provide essential services for water, wastewater, and recycled water throughout the period of the Emergency Declaration; and

WHEREAS, since March of 2020, the General Manager has implemented certain actions to comply with public health orders and regulations issued by the State of California, Alameda County Health Officer, and California Division of Occupational Safety (Cal/OSHA) to slow the spread of the virus; and

WHEREAS, the majority of actions the District implemented to respond to the COVID-19 emergency have now been lifted in accordance and compliance with state, local, and Cal/OSHA regulations; and

WHEREAS, a District declared State of Emergency is no longer required to assure proper staffing and support of critical District water, wastewater, and recycled water operational functions essential to the protection of public health and the environment.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT, a public agency located in the Counties of Alameda and Contra Costa, California, as follows:

1. The COVID-19 emergency, as declared on March 16, 2020 and ratified on March 25, 2020, is hereby terminated and DSRSD Resolution No. 26-20, attached hereto as Exhibit "A," is hereby rescinded and of no further force and effect; and
2. The General Manager is hereby directed to terminate any actions implemented under

Res. No. \_\_\_\_\_

the Emergency Declaration by May 31, 2022, unless otherwise required by state or federal laws or regulations promulgated in response to the COVID-19 pandemic.

ADOPTED by the Board of Directors of Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa, at its regular meeting held on the 19th day of April, 2022, and passed by the following vote:

AYES:

NOES:

ABSENT:

\_\_\_\_\_  
Richard M. Halket, President

ATTEST: \_\_\_\_\_  
Nicole Genzale, District Secretary

RESOLUTION NO. 26-20RESOLUTION OF THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT CONFIRMING AND RATIFYING THE COVID-19 DECLARATION OF EMERGENCY

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WHEREAS, on March 4, 2020, Governor Gavin Newsom of California proclaimed a State of Emergency to exist in California as a result of the threat of COVID-19, a coronavirus; and

WHEREAS, on March 13, 2020, President Donald Trump declared a National Emergency as a result of the threat of COVID-19; and

WHEREAS, on March 13, 2020, school districts in the surrounding Bay Area counties, including the Pleasanton Unified School District, the Dublin Unified School District, and the San Ramon Valley Unified School District, ordered the dismissal or closure of schools for two (2) to four (4) weeks to prevent the spread of COVID-19; and

WHEREAS, on March 16, 2020, the public health officers of Alameda, Contra Costa, Marin, San Francisco, San Mateo, and Santa Clara counties issued a legal order directing their respective residents to shelter at home for three (3) weeks beginning March 17, and this order limits activity, travel, and business functions to only the most essential needs; and

WHEREAS, on March 19, Governor Newsom issued Executive Order N-33-20 which orders all individuals living in California to stay home at their place of residence, with certain exceptions for critical service, and this shelter in place order has no specified termination date; and

WHEREAS, the Dublin San Ramon Services District provides water, wastewater, and recycled water services that are essential to protecting public health and the environment; and

WHEREAS, the General Manager is designated by the District's adopted policy for the Emergency Response Plan as the District's Emergency Manager; and

WHEREAS, on March 16, 2020, the General Manager in the capacity of District Emergency Manager made an Emergency Declaration, attached hereto and incorporated herein as Exhibit "A."

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF DUBLIN SAN RAMON SERVICES DISTRICT, a public agency located in the Counties of Alameda and Contra Costa, California, as follows:

1. The Board of Directors confirms the State of Emergency declared by the General Manager on March 16, 2020, and ratifies the Emergency Declaration.
2. The General Manager is directed to take all actions necessary to continuously provide essential services for water, wastewater, and recycled water throughout the period of the emergency

declaration.

3. The General Manager is authorized to expend District funds for emergency purposes during the declared emergency, including for personnel and staffing requirements, and that the General Manager shall take all reasonable steps to recover such costs from all available sources, including county, state, and federal agencies and the District's insurance carriers.

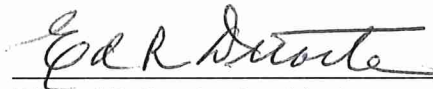
4. The General Manager is directed to report the reasons why an emergency declaration must remain in place at least at every regularly scheduled meeting until the District State of Emergency is terminated.

ADOPTED by the Board of Directors of Dublin San Ramon Services District, a public agency in the State of California, Counties of Alameda and Contra Costa, at its special meeting held on the 25th day of March, 2020, and passed by the following vote:

AYES: 4 – Directors Ann Marie Johnson, Georgean M. Vonheeder-Leopold,  
Richard M. Halket, Edward R. Duarte

NOES: 0

ABSENT: 1 – Director Madelyne A. Misheloff



Edward R. Duarte, President

ATTEST:



Nicole Genzale, District Secretary



**TITLE:** Approve Proposed Livermore-Amador Valley Water Management Authority (LAVWMA) Operations and Maintenance Budget For Fiscal Year Ending 2023

**RECOMMENDATION:**

Staff recommends the Board of Directors approve, by Motion, the proposed Livermore-Amador Valley Water Management Authority (LAVWMA) adjusted budget of \$2,861,289 for fiscal year ending (FYE) 2023 for the operation and maintenance of the LAVWMA facilities.

**SUMMARY:**

DSRSD is responsible for the operation and maintenance of the LAVWMA system pursuant to an agreement executed by LAVWMA and DSRSD in 1980. This agreement requires both DSRSD and LAVWMA to prepare and adopt a budget regarding the operation and maintenance costs anticipated to be incurred in the upcoming fiscal year. On May 4, 2021, the DSRSD Board approved LAVWMA O&M budgets for FYE 2022 and FYE 2023. Since the two-year budget was approved, costs for labor, materials, and utilities have increased at a rate significantly higher than anticipated. As a result, staff has adjusted the proposed LAVWMA O&M budget for FYE 2023 from \$2,613,049 to \$2,861,290, an increase of approximately 9.5%. Staff is recommending that the DSRSD Board approve the revised FYE 2023 LAVWMA O&M budget, which will be included as part of the overall LAVWMA annual budget that will be considered by the LAVWMA Board on May 18, 2022.

**BACKGROUND:**

LAVWMA is a joint powers authority created in 1974 by the Cities of Livermore and Pleasanton and the Dublin San Ramon Services District for the purpose of discharging their treated wastewater to the San Francisco Bay. Operations began in September 1979 with expansions in 1983, 1987, and 2003 bringing current maximum discharge capacity to 41.2 million gallons per day. The LAVWMA system includes pipelines, pump stations, and equalization basins. Livermore’s treated wastewater effluent flows 6.6 miles to the LAVWMA Junction Structure, where DSRSD/Pleasanton’s treated wastewater combines with Livermore’s wastewater. The LAVWMA pump station pumps the combined treated wastewater via a 16-mile pipeline from Pleasanton to the San Leandro Sample Station (a control point) where it enters the East Bay Dischargers Authority system for eventual discharge through a deepwater outfall to the San Francisco Bay. The LAVWMA pump station facility is also equipped with three (3) flow-equalization basins with a total storage capacity of 18 million gallons.

DSRSD operates and maintains the LAVWMA system under the “Agreement for Maintenance of LAVWMA facilities” (Operations Agreement) executed on January 15, 1980. Under the Operations Agreement, DSRSD is responsible for performing all required operation and maintenance (O&M) tasks necessary to meet LAVWMA’s obligations for the conveyance of treated wastewater to the East Bay Discharger Authority’s system, including compliance with permits issued by the Regional Water Board related to the operation of the LAVWMA system. Article 6 of the Operations Agreement requires that both LAVWMA and DSRSD prepare and adopt a budget regarding the O&M costs anticipated to be incurred in the upcoming fiscal year which shall contain a “not-to-exceed” amount for control purposes.

On April 13, 2021, DSRSD submitted proposed LAVWMA O&M budgets for FYE 2022 and FYE 2023, which also coincided with the District’s two-year budget cycle. The proposed LAVWMA O&M budget for FYE 2022 was \$2,558,901 and the proposed LAVWMA budget for FYE 2023 was \$2,613,049. On May 4, 2021, the DSRSD Board approved the LAVWMA O&M budgets for FYE 2022 and FYE 2023.

<b>Originating Department: Operations</b>	<b>Contact: J. Carson</b>	<b>Legal Review: Not Required</b>
<b>Financial Review: Yes</b>	<b>Cost and Funding Source: \$2,861,289 (LAVWMA Operating Fund)</b>	
<b>Attachments:</b> <input type="checkbox"/> None <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	<b>Attachment 1 – LAVWMA Proposed FYE23 O&amp;M Budget</b> <b>Attachment 2 – LAVWMA O&amp;M Budget History</b>	
		22 of 41

LAVWMA adopts its capital and operating budgets annually. On May 19, 2021, the LAVWMA Board adopted the overall LAVWMA annual operating budget for FYE 2022, which includes the O&M budget. The LAVWMA Board is scheduled to consider adoption of the FYE 2023 annual operating budget on May 18, 2022.

**DISCUSSION:**

Staff has revised the LAVWMA O&M budget for FYE 2023 to address increases in the costs for labor, materials, and utilities that have significantly changed since the original two-year budget was prepared. The revised O&M budget being proposed for FYE 2023 is **\$2,861,289**. This amount will cover the costs to convey treated wastewater to the East Bay Dischargers Authority’s system for Livermore, Pleasanton, Dublin, and San Ramon customers at a rate of approximately \$805 per million gallons based on the revised estimated export flow of 3,552 million gallons. A draft of the revised LAVWMA O&M budget for FYE 2023 was provided to the LAVWMA General Manager on March 22, 2022 (Attachment 1).

As shown in the table below and detailed in Attachment 2, the adjustment to the proposed FYE 2023 budget from \$2,613,049 to \$2,861,290, represents an increase of \$248,290 over the originally submitted FYE 2023 budget, or an increase of approximately 9.5%.

	<b>Original Approved FYE 2023 LAVWMA O&amp;M Budget</b>	<b>Revised Proposed FYE 2023 LAVWMA O&amp;M Budget</b>	<b>Net increase</b>
Labor	\$994,059	\$1,161,350	\$167,291
Materials/Services	\$248,990	\$261,440	\$12,450
Utilities	\$1,370,000	\$1,438,500	\$68,500
<b>Total</b>	<b>\$2,613,049</b>	<b>\$2,861,290</b>	<b>\$248,241 (9.5%)</b>

The revised FYE 2023 LAVWMA O&M budget includes:

- Increase of \$167,291 in labor costs based on DSRSD 2022 published labor rates, which includes the most recent cost-of-living adjustment and an increase in overhead rates from 139% to 154%. The number of DSRSD labor hours did not change between the original and revised O&M budgets.
- Increase of \$12,450 based on a general 5% inflation adjustment on materials and services
- Increase of \$68,500 for utilities based on an estimated export flow for FYE 2023 of 3,552 million gallons compared to the original estimated flow of 3,340 million gallons. Flows were updated to use actual 2021 data to estimate FYE 2023 flows. This potential increase in flow may be offset by increased indoor water conservation savings by customers due to drought conditions.

Staff is recommending that the DSRSD Board approve the revised LAVWMA O&M budget for FYE 2023. The revised LAVWMA O&M budget would then be incorporated into the overall LAVWMA annual operating budget for FYE 2023, which will be reviewed and considered by the LAVWMA Board on May 18, 2022. If approved by the LAVWMA Board, the revised LAVWMA O&M budget for FYE 2023 will be reflected in the District’s mid-cycle budget adjustment that will be presented to the DSRSD Board at a future Board meeting.

March 22, 2022

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

**Subject: UPDATED Proposed LAVWMA Operations & Maintenance Budget for Fiscal Year Ending 6/30/2023 (FYE 2023)**

Dear Chuck:

As you know, DSRSD previously submitted on April 13, 2021 the proposed budgets for the operation and maintenance (O&M) of the LAVWMA facilities for the two fiscal year periods of July 1, 2021 – June 30, 2022 (FYE 2022) and July 1, 2022 – June 30, 2023 (FYE 2023) to coincide with the District's two-year budget cycle. There has been no significant operational change over the past year as far as impacting budget. However, the District has made adjustments to the original proposed budget for the upcoming FYE 2023 and is hereby proposing an updated budget to address primarily the cost of inflation in labor and materials that have significantly gone up.

The original proposed budget used a 2.75% CPI increase in burden labor rates. The updated budget now has the District's published 2022 billing rates and is increased by \$167,290 from the original proposed labor budget. The District's general overhead factor for its 2022 billings rates increased from 139.44% to 154.44%. Also, to meet the cost of materials and services that has increased at an inflation rate higher than what was anticipated when the original 2-year budget was prepared, the updated budget includes \$80,950 increase (5% adjustment) to the materials and services budget.

Flows were updated to reflect actual 2021 data instead of estimates that were used in the preparation of the original budget. The updated estimated export flow for FYE 2023 is 3,552 MG compared to the original estimated flow of 3,340 MG.

Attachment 1 shows the updated proposed FYE 2023 budget of \$2,861,289. 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 \$805 per million gallons (MG) based on the revised estimated export flow of 3,552 MG. For your convenience, the expenses are separated by pumping costs (\$2,211,234 or \$622/MG) and pipeline maintenance costs (\$650,055 or \$183/MG).

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.

Attachment 2 provides detail on the 5,800 labor hours or equivalent to 2.5 full-time employees (FTE) that were used for the FYE 2022 budget and is the same for FYE 2023 budget. Labor costs are based on DSRSD's burden labor rates, which are adjusted annually.

Figure 1 shows the projected flow for FY 2022-2023 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 2017 to 2021.

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

Sincerely,

Jeff Carson  
Operations Director

/gzl

Attachments

cc: Dan McIntyre, DSRSD General Manager  
Jan Lee, DSRSD Assistant General Manager  
Steve Delight, DSRSD Engineering Services Director  
Carol Atwood, DSRSD Administrative Services Director  
Virgil Sevilla, DSRSD Wastewater Treatment Plant Operations Superintendent  
Maurice Atendido, DSRSD Principal Electrical Engineer, Supervisory  
Shawn Quinlan, DSRSD Maintenance Superintendent  
Diane Griffin, DSRSD Operations Support Services Manager  
Gemma Lathi, Management Analyst II

FY 2022-2023 LAVWMA OPERATION & MAINTENANCE BUDGET

SUMMARY:			
	Total	Pumping	Pipeline
DSRSD Labor	\$1,161,350	\$662,589	\$498,760
Materials & Supplies	\$89,397	\$56,910	\$32,487
Laboratory Analysis	\$37,800	\$8,400	\$29,400
Contractual Services	\$134,243	\$54,075	\$80,168
Utilities	\$1,438,500	\$1,429,260	\$9,240
Non-Routine	\$0	\$0	\$0
<b>Total</b>	<b>\$2,861,289</b>	<b>\$2,211,234</b>	<b>\$650,055</b>

Assumptions:	Total	Pumping	Pipeline
Days of operation =	365		
Annual acre feet =	10,902		
Annual million gallons =	<b>3,552</b>		
<b>Unit Costs:</b>			
Cost/AF =	\$262	\$203	\$60
Cost/MG=	<b>\$805</b>	\$622	\$183

Detailed Breakdown:

	Hours	Rate	Labor	Pumping	Pipeline
<b>LABOR</b>					
<b>DIVISION 51 - Field Operations</b>					
Water-Wastewater Sys Senior Operator	30	\$206	\$6,175	\$0	\$6,175
Water-Wastewater Sys OP II	10	\$182	\$1,822	\$0	\$1,822
Subtotal	40		\$7,997	\$0	\$7,997
<b>DIVISION 52 - WWTP</b>					
Senior Process Operator	150	\$228	\$34,184	\$34,184	\$0
Senior WWTP Operator	720	\$207	\$148,824	\$148,824	\$0
Operator II	1,700	\$188	\$319,495	\$159,748	\$159,748
Operator in Training	400	\$149	\$59,578	\$29,789	\$29,789
Supervisor	110	\$355	\$39,074	\$19,537	\$19,537
Subtotal	3,080		\$601,156	\$392,082	\$209,074
<b>DIVISION 53 - Mechanical</b>					
Mechanic II - Crane Certified	60	\$212	\$12,691	\$6,345	\$6,345
Senior Mechanic	80	\$227	\$18,154	\$1,815	\$16,339
Mechanic II	980	\$206	\$202,179	\$48,523	\$153,656
Maintenance Worker II	60	\$179	\$10,728	\$5,364	\$5,364
Supervisor	50	\$338	\$16,882	\$8,441	\$8,441
Subtotal	1,230		\$260,634	\$70,489	\$190,145
<b>DIVISION 54 - Electrical</b>					
Senior Instrument/Controls Tech	30	\$226	\$6,793	\$3,397	\$3,397
Instrument Tech	300	\$193	\$57,860	\$28,930	\$28,930
OPS Control Sys Spec	300	\$206	\$61,754	\$46,316	\$15,439
Senior Electrician	30	\$208	\$6,254	\$6,254	\$0
Electrician II	440	\$189	\$83,013	\$83,013	\$0
Supervisor	30	\$328	\$9,825	\$4,913	\$4,913
Subtotal	1,130		\$225,500	\$172,822	\$52,678
<b>DIVISION 56 - Safety</b>					
Safety Officer	60	\$129	\$7,711	\$3,856	\$3,856
Subtotal	60		\$7,711	\$3,856	\$3,856
<b>DIVISION 40 - Engineering</b>					
Senior Civil Engineer-SME	100	\$286	\$28,633	\$11,453	\$17,180
Construction Inspector I	80	\$168	\$13,458	\$5,383	\$8,075
Engineering Technician II	40	\$174	\$6,975	\$2,790	\$4,185
GIS Analyst II	40	\$232	\$9,285	\$3,714	\$5,571
Subtotal	260		\$58,351	\$23,340	\$35,010
<b>Total Labor FTE's</b>	<b>5,800</b>		<b>\$1,161,350</b>	<b>\$662,589</b>	<b>\$498,760</b>

Note: FYE 2023 estimated labor rates is based on actual 2022 billing rates.

## FY 2022-2023 LAVWMA OPERATION &amp; MAINTENANCE BUDGET

	<u>Expense</u>	<u>Pumping</u>	<u>Pipeline</u>
<b><u>MATERIALS &amp; SUPPLIES</u></b>			
<b>Operations Supplies</b>			
Calcium Thiosulfate dechlorinating agent	\$12,600	\$6,300	\$6,300
Supplies/Expenses (misc)	\$1,050	\$525	\$525
Subtotal	\$13,650	\$6,825	\$6,825
<b>Mechanical Supplies</b>			
Materials and supplies	\$11,550	\$10,500	\$1,050
Pump & equip repair parts	\$7,875	\$7,875	\$0
Air relief valve parts	\$5,250	\$0	\$5,250
Oils, lubricants	\$2,625	\$2,625	\$0
Subtotal	\$27,300	\$21,000	\$6,300
<b>Electrical Supplies</b>			
Instrument parts	\$4,830	\$2,415	\$2,415
Analyzer parts	\$18,060	\$13,125	\$4,935
MCC equipment/parts	\$11,645	\$4,830	\$6,815
SCADA parts	\$8,085	\$6,300	\$1,785
Soft-starter parts and repairs	\$5,828	\$2,415	\$3,413
Subtotal	\$48,447	\$29,085	\$19,362
<b>Total Materials &amp; Supplies</b>	<b>\$89,397</b>	<b>\$56,910</b>	<b>\$32,487</b>
<b><u>LABORATORY ANALYSIS</u></b>			
Compliance Testing	\$10,500	\$8,400	\$2,100
Operational Support Testing	\$4,200	\$0	\$4,200
Special Sampling	\$23,100	\$0	\$23,100
<b>Total Laboratory Analysis</b>	<b>\$37,800</b>	<b>\$8,400</b>	<b>\$29,400</b>
<b><u>CONTRACTUAL SERVICES</u></b>			
Sub-surface and Surface Repairs	\$15,750	\$0	\$15,750
Street Sweeping	\$5,250	\$5,250	\$0
Cathodic Protection Survey and Repairs	\$31,500	\$0	\$31,500
Underground Service Alert	\$4,725	\$0	\$4,725
SCADA software maintenance contract and support services	\$17,850	\$12,495	\$5,355
Remote monitoring annual service for PS and Rectifier Panels	\$5,250	\$1,050	\$4,200
HVAC Maintenance/Repairs	\$788	\$525	\$263
Termite/Pest Control	\$945	\$945	\$0
Landscape/weed maintenance	\$10,500	\$7,875	\$2,625
Janitorial Service	\$9,975	\$9,975	\$0
Fire Extinguisher Maint	\$210	\$210	\$0
Professional Services, misc	\$31,500	\$15,750	\$15,750
<b>Total Contractual Services</b>	<b>\$134,243</b>	<b>\$54,075</b>	<b>\$80,168</b>
<b><u>UTILITIES</u></b>			
Electricity (PG&E)	\$1,430,205	\$1,424,115	\$6,090
Water & Sewer (Pleasanton)	\$945	\$945	\$0
Water (EBMUD)	\$1,050	\$1,050	\$0
Telephone/communications/T-1	\$6,300	\$3,150	\$3,150
<b>Total Utilities</b>	<b>\$1,438,500</b>	<b>\$1,429,260</b>	<b>\$9,240</b>
<b>TOTAL O&amp;M BUDGET (LABOR, MATERIALS &amp; SERVICES)</b>	<b>\$2,861,289</b>	<b>\$2,211,234</b>	<b>\$650,055</b>

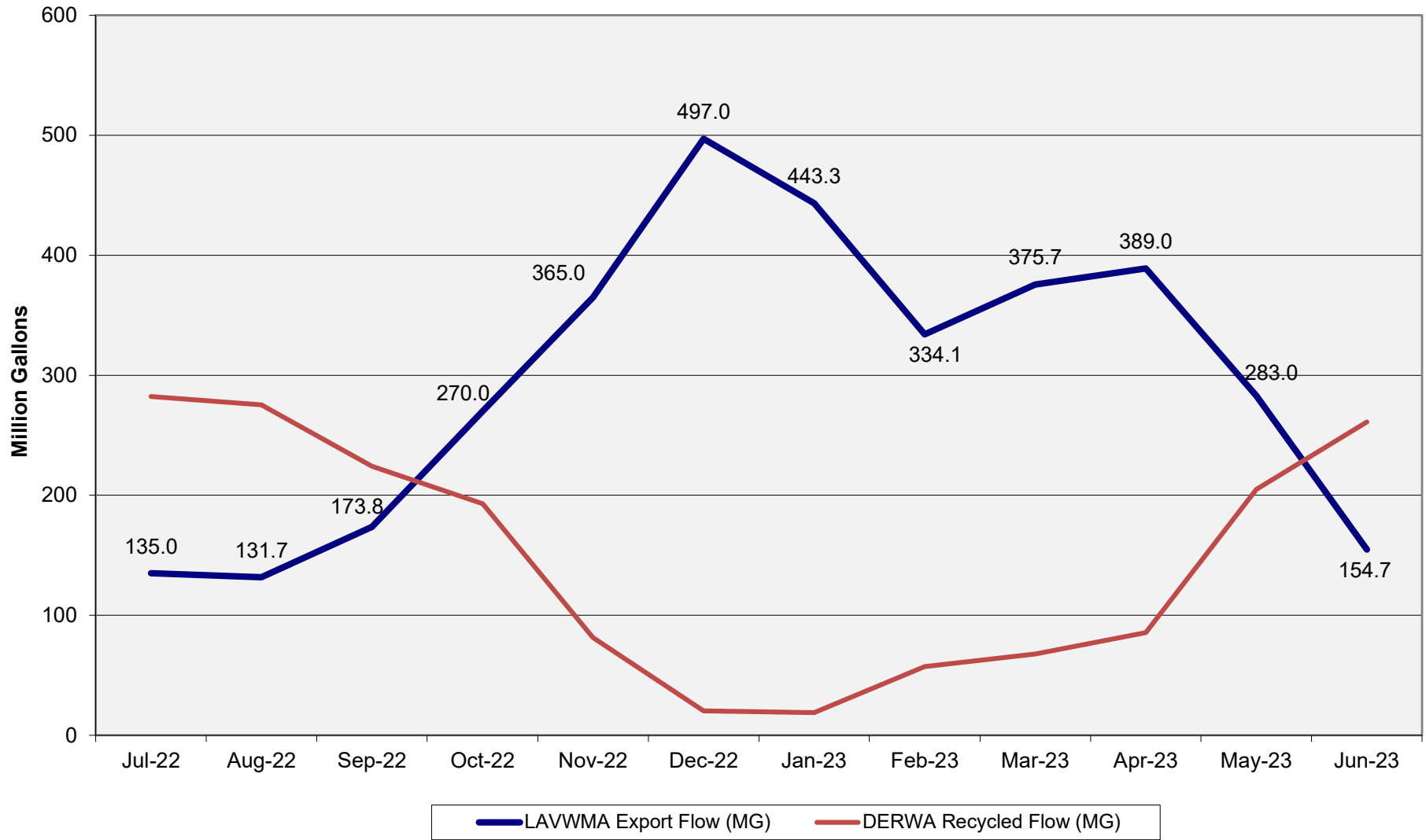
LAVWMA LABOR HOURS ESTIMATES

USED FOR BOTH  
FYE 2022 & FYE 2023

PERSONNEL

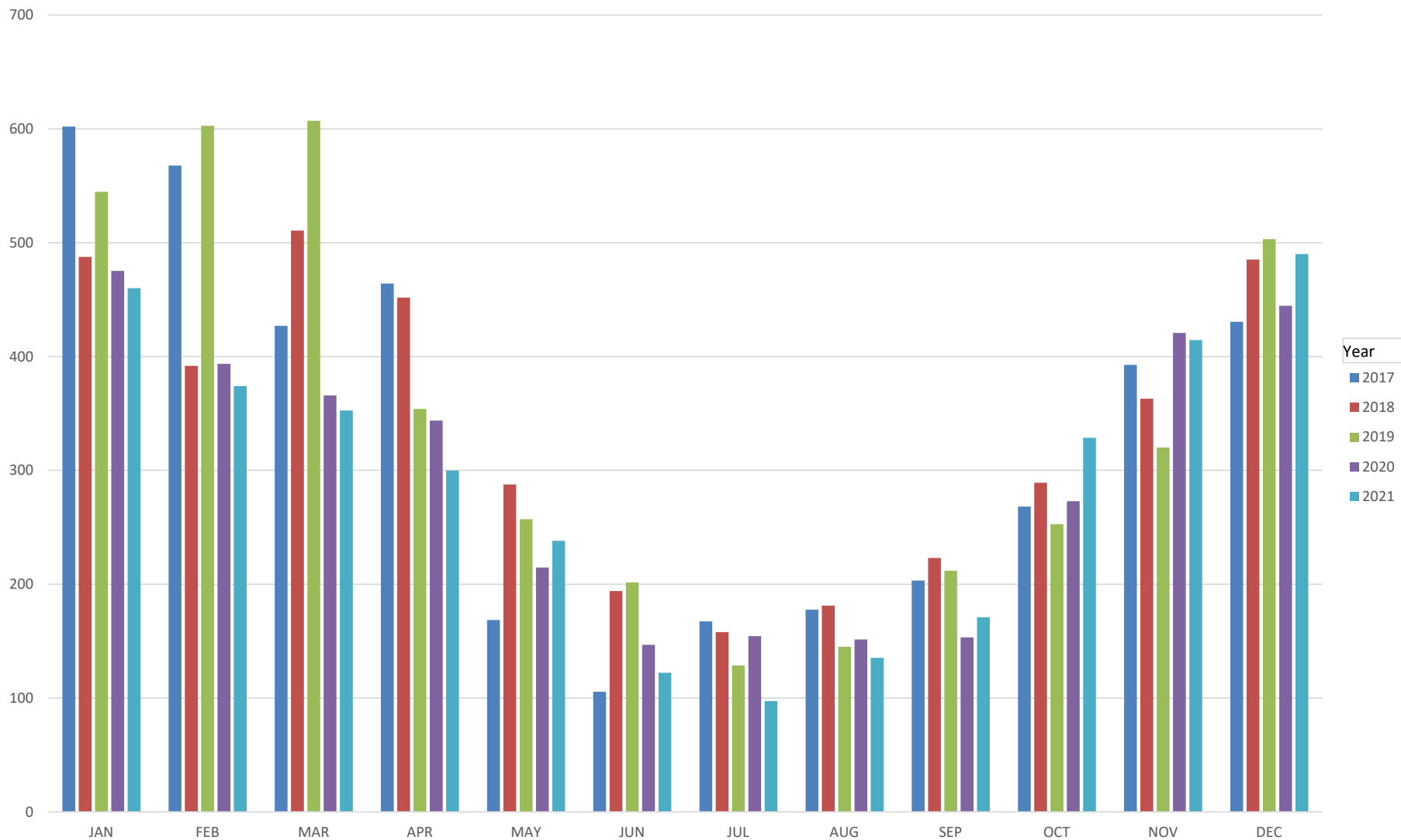
<b>Division 51 - Field Operations (Distribution)</b>		<b>40</b>
Water-Wastewater Sys OP IV	TV inspection of export pipe, 1/2 day/year, 2 Operators	10
Water-Wastewater Sys OP IV	Traffic control for vault entries, misc	10
Water-Wastewater Sys OP IV	Vacuum cleaning assistance at basins	10
Water/Wastewater Operator II	General tasks	10
<b>Division 52 - Treatment Plant Operations</b>		<b>3080</b>
Process Lead Operator V	Pump efficiency testing and SOP's, planning, inspections	150
Senior WWTP Operator III	Spot checks on off-shifts and weekends + hours for storms	100
Senior WWTP Operator III	Daily pump station operation/monitoring, 3 hrs/day 5 days per week	620
WWTP Operator II	General tasks	1700
WWTP Operator in Training	General tasks	400
Supervisor	Inspections/direction of staff and activities, 2 hours/week	110
<b>Division 53 - Mechanical Maintenance</b>		<b>1230</b>
Senior Mechanic-Crane Cert	Regular maintenance, 4 hrs/day, 2 days per week	60
Senior Mechanic (USA)	USA Marking, when other trained employees are not available	80
Mechanic II	PM's and misc repairs, as needed	320
Mechanic II (USA)	USA Marking, 1 hour per day, 5 days per week	260
Mechanic II	Confined space entries, 4 weeks/year, 2 employees	400
Maintenance Worker	General tasks	60
Supervisor	Inspections/direction of staff and activities, 1 hour/week	50
<b>Division 54 - Electrical &amp; Instrumentation Maintenance</b>		<b>1130</b>
Senior Instrument/Controls Tech	Instrument replacement/SCADA troubleshooting	30
Instrument Tech	Instrument checks/calibration	300
OPS Control Sys Spec	SCADA system repairs/programming	300
Senior Electrician	Switchgear & electrical inspections and repair	30
Electrician	Switchgear & electrical inspection/repairs	440
Supervisor	Inspections/direction of staff and activities	30
<b>Division 56 - Safety</b>		<b>60</b>
Safety Officer	Special safety inspections of LAVWMA facilities	60
<b>Division 40 - Engineering</b>		<b>260</b>
Senior Civil Engineer-SME	Assistance with engineering, maintenance, and bidding issues	100
Construction Inspector I	Project construction inspection	80
Engineering Tech II	Plan checks on LAVWMA lines	40
GIS Analyst II	Plan checks on LAVWMA lines	40
<b>TOTAL BILLABLE LABOR HOURS</b>		<b>5800</b>
<b>FTE's</b>		<b>2.79</b>

**Figure 1**  
**FY 2022-2023 Flow Projection**  
**Total 3552.23 MG**



Sum of Flow in MG

Figure 2: LAVWMA Monthly Export Flow 5-Year History



Month

Year  
2017  
2018  
2019  
2020  
2021

Attachment 2

HISTORY OF BUDGETS COMPARED TO ACTUAL EXPENSES

	FY 2019-20		FY 2020-21		CURRENT FY 2021-22			NEXT FY 2022-23	
	Approved	Actual	Approved	Actual	Approved	YTD (8 mos)	Projected	Original	Revised
	Budget	Expenses	Budget	Expenses	Budget	Expenses	Expenses	Proposed	Proposed
<b>Labor</b>									
Staff	\$983,447	\$830,511	\$1,010,492	\$873,095	\$968,151	\$423,536	\$871,400	\$994,059	\$1,161,350
<b>Subtotal</b>	<b>\$983,447</b>	<b>\$830,511</b>	<b>\$1,010,492</b>	<b>\$873,095</b>	<b>\$968,151</b>	<b>\$423,536</b>	<b>\$871,400</b>	<b>\$994,059</b>	<b>\$1,161,350</b>
<b>Materials &amp; Supplies</b>									
Operations supplies	\$12,200	\$1,416	\$12,200	\$14,593	\$13,000	\$164	\$5,500	\$13,000	\$13,650
Mechanical supplies	\$25,000	\$5,906	\$25,000	\$50,963	\$25,000	\$6,011	\$22,000	\$26,000	\$27,300
Electrical supplies	\$25,500	\$25,935	\$25,500	\$32,623	\$59,400	\$31,387	\$35,200	\$46,140	\$48,447
<b>Subtotal</b>	<b>\$62,700</b>	<b>\$33,257</b>	<b>\$62,700</b>	<b>\$98,179</b>	<b>\$97,400</b>	<b>\$37,561</b>	<b>\$62,700</b>	<b>\$85,140</b>	<b>\$89,397</b>
<b>Laboratory Analysis</b>									
Compliance	\$11,300	\$9,256	\$11,300	\$10,359	\$10,000	\$6,732	\$9,900	\$10,000	\$10,500
Operational	\$4,000	\$3,960	\$4,000	\$4,332	\$4,000	\$2,928	\$4,300	\$4,000	\$4,200
Special Sampling	\$15,000	\$29,316	\$15,000	\$16,850	\$22,000	\$10,948	\$20,900	\$22,000	\$23,100
<b>Subtotal</b>	<b>\$30,300</b>	<b>\$42,532</b>	<b>\$30,300</b>	<b>\$31,541</b>	<b>\$36,000</b>	<b>\$20,608</b>	<b>\$35,100</b>	<b>\$36,000</b>	<b>\$37,800</b>
<b>Contractual Services</b>									
Sub-surface Repairs	\$5,000	\$0	\$5,000	\$8,376	\$15,000	\$0	\$2,800	\$15,000	\$15,750
Street Sweeping	\$5,000	\$5,372	\$5,000	\$5,287	\$5,000	\$3,100	\$5,100	\$5,000	\$5,250
Cathodic Protection Survey and Repairs	\$30,000	\$18,050	\$30,000	\$0	\$30,000	\$0	\$6,100	\$30,000	\$31,500
Underground Service Alert	\$3,800	\$7,979	\$3,800	\$3,517	\$4,500	\$896	\$4,300	\$4,500	\$4,725
SCADA software maintenance contract	\$10,000	\$10,051	\$10,000	\$4,673	\$17,000	\$5,029	\$10,000	\$17,000	\$17,850
Rectifier monitoring 5-yr contract (FY22, \$40k)		\$0	\$0	\$0	\$5,000	\$0	\$5,000	\$5,000	\$5,250
Med voltage switchgear 3-yr PM (FY22, \$18k)		\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0
HVAC Maintenance/Repairs	\$750	\$0	\$750	\$0	\$750	\$0	\$0	\$750	\$788
Termite/Pest Control	\$900	\$0	\$900	\$0	\$900	\$0	\$0	\$900	\$945
Landscape/weed maintenance	\$8,000	\$10,196	\$8,000	\$11,364	\$10,000	\$9,802	\$12,100	\$10,000	\$10,500
Janitorial Services	\$3,000	\$5,940	\$3,000	\$8,940	\$9,500	\$2,920	\$6,500	\$9,500	\$9,975
Fire Extinguisher Maint	\$200	\$170	\$200	\$0	\$200	\$0	\$100	\$200	\$210
Postage/Shipping Charges	\$250	\$0	\$250	\$0	\$0	\$0	\$0	\$0	\$0
Professional Services, misc	\$10,000	\$1,387	\$10,000	\$10,563	\$30,000	\$3,726	\$5,900	\$30,000	\$31,500
<b>Subtotal</b>	<b>\$76,900</b>	<b>\$59,145</b>	<b>\$76,900</b>	<b>\$52,719</b>	<b>\$147,850</b>	<b>\$25,474</b>	<b>\$57,900</b>	<b>\$127,850</b>	<b>\$134,243</b>
<b>Utilities</b>									
Electricity (PG&E)	\$1,346,400	\$1,276,152	\$1,421,000	\$1,336,512	\$1,301,600	\$910,064	\$1,323,700	\$1,362,100	\$1,430,205
Water & Sewer (Pleasanton)	\$1,000	\$980	\$1,000	\$639	\$900	\$895	\$1,000	\$900	\$945
Water (EBMUD)	\$880	\$924	\$880	\$1,223	\$1,000	\$826	\$1,200	\$1,000	\$1,050
Telephone/communications/T-1	\$4,500	\$5,987	\$4,500	\$5,687	\$6,000	\$0	\$3,900	\$6,000	\$6,300
WW Treatment (DSRSD)	\$2,500	\$0	\$2,500	\$0	\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	<b>\$1,355,280</b>	<b>\$1,284,043</b>	<b>\$1,429,180</b>	<b>\$1,344,060</b>	<b>\$1,309,500</b>	<b>\$911,785</b>	<b>\$1,329,800</b>	<b>\$1,370,000</b>	<b>\$1,438,500</b>
<b>Grand Total</b>	<b>\$2,517,127</b>	<b>\$2,249,488</b>	<b>\$2,618,072</b>	<b>\$2,399,593</b>	<b>\$2,558,901</b>	<b>\$1,418,965</b>	<b>\$2,356,900</b>	<b>\$2,613,049</b>	<b>\$2,861,289</b>
<b>Export Flow (AF)</b>	12,565	10,744	10,815	10,321	10,305	7,363	10,305	10,251	10,902
<b>Export Flow (MG)</b>	4,094	3,501	3,524	3,363	3,358	2,399	3,358	3,340	3,552
<b>Cost (\$/AF)</b>	\$200	\$209	\$242	\$232	\$248	\$193	\$229	\$255	\$262
<b>Cost (\$/MG)</b>	\$615	\$643	\$743	\$713	\$762	\$591	\$702	\$782	\$805

**TITLE:** Receive Presentation and Support the Proposed DSRSD-EBMUD Recycled Water Authority (DERWA) Operations and Maintenance Budget for Fiscal Year Ending 2023

**RECOMMENDATION:**

Staff recommends the Board of Directors receive a presentation and support, by Motion, adjusting the proposed Dublin San Ramon Services District-East Bay Municipal Utility District Recycled Water Authority (DERWA) budget for the operation and maintenance of the DERWA facilities from \$3,655,850 to \$3,973,790 for fiscal year ending (FYE) 2023.

**SUMMARY:**

DSRSD operates and maintains the DERWA water recycling plant and backbone transmission system pursuant to the 2005 DERWA Operations Agreement. This agreement requires that DSRSD prepare and submit a biennial operation and maintenance (O&M) budget to the DERWA Authority Manager for review and inclusion in the annual DERWA budget for the DERWA Board’s consideration. On June 25, 2021, DSRSD submitted a proposed O&M budget for FYE 2022 and FYE 2023 to the DERWA Authority Manager. Costs for materials and labor have increased at a rate significantly higher than anticipated when the two-year budget was prepared. As a result, staff has submitted a revised DERWA O&M budget for FYE 2023 to the DERWA Authority Manager, adjusting the FYE 2023 budget from \$3,655,850 to \$3,973,790, an increase of approximately 8.7%. Staff is recommending that the DSRSD Board support the revised FYE 2023 DERWA O&M budget, which will be included as part of the overall DERWA annual budget that will be considered by the DERWA Board on May 16, 2022.

**BACKGROUND:**

In 1995, EBMUD and DSRSD formed DERWA, a Joint Powers Authority (JPA) for the purpose of implementing a program to provide recycled water to DSRSD and EBMUD customers in the San Ramon Valley. The DERWA Program further treats secondary effluent from the DSRSD Regional Wastewater Treatment Plant to produce disinfected tertiary recycled water suitable for irrigation and other approved uses. Deliveries of recycled water began in 2006. In 2014, the City of Pleasanton entered into an agreement with DERWA for recycled water treatment and delivery services. Recycled water deliveries to Pleasanton began in 2015.

DSRSD is responsible for the operation and maintenance of the DERWA recycled water facilities pursuant to the Operations Agreement executed by DERWA, DSRSD, and EBMUD in May 2005. The DERWA recycled water facilities include the Jeffrey G. Hansen Water Recycling Plant and a backbone recycled water transmission system that connects to DSRSD, EBMUD, and Pleasanton recycled water distribution pipelines that deliver recycled water to customer sites.

Article 3B of the Operations Agreement requires that DSRSD prepare and submit a biennial O&M budget to the DERWA Authority Manager for review and inclusion in the annual DERWA budget for the DERWA Board’s consideration. On January 25, 2021, DSRSD submitted proposed DERWA O&M budgets for FYE 2022 and FYE 2023, which also coincided with the District’s two-year budget cycle. The proposed DERWA O&M budget for FYE 2022 was \$3,599,940 and the proposed DERWA budget for FYE 2023 was \$3,655,850.

On May 17, 2021, the DERWA Board adopted the overall DERWA annual operating budget for FYE 2022 and is scheduled to consider adoption of the FYE 2023 annual operating DERWA budget on May 16, 2022. The DERWA O&M budget typically represents approximately two-thirds of DERWA’s total annual operating budget.

<b>Originating Department: Operations</b>	<b>Contact: J. Carson</b>	<b>Legal Review: Not Required</b>
<b>Financial Review: Yes</b>	<b>Cost and Funding Source: \$3,973,790 from Water Operating (Fund 600) (DERWA cost allocation)</b>	
<b>Attachments:</b> <input type="checkbox"/> None <input type="checkbox"/> Resolution <input type="checkbox"/> Ordinance <input type="checkbox"/> Task Order <input type="checkbox"/> Proclamation <input checked="" type="checkbox"/> Other (see list on right)	<b>Attachment 1 – Proposed Updated FYE 2023 DERWA O&amp;M Budget</b>	



**DISCUSSION:**

Staff has updated the proposed DERWA O&M budget for FYE 2023 to primarily address the cost of inflation in labor and materials that have significantly gone up since the original two-year budget was prepared. The revised O&M budget being proposed for FYE 2023 is **\$3,973,790** including labor, chemicals, utilities, materials, supplies, laboratory analysis, and contractual services. This amount will provide recycled water to EBMUD, DSRSD, and Pleasanton customers at a rate of approximately \$716 per acre-foot, based on an updated demand projection of 5,549 acre-feet for the fiscal year.

As shown in the table below, the adjustment to the proposed FYE 2023 budget from \$3,655,850 to \$3,973,790, represents an increase of \$317,940 over the originally submitted FYE 2023 budget, or an increase of approximately 8.7%.

	<b>Original Proposed FYE 2023 DERWA O&amp;M Budget</b>	<b>Revised Proposed FYE 2023 DERWA O&amp;M Budget</b>	<b>Net increase</b>
Labor	\$1,178,460	\$1,314,730	\$136,270
Materials/Services	\$2,477,390	\$2,659,060	\$181,670
<b>Total</b>	<b>\$3,655,850</b>	<b>\$3,973,790</b>	<b>\$317,940 (8.7%)</b>

The adjustment to the proposed FYE 2023 DERWA O&M budget includes:

- Increase of \$41,406 in labor costs based on DSRSD’s 2022 published labor rates, which includes the most recent cost-of-living adjustment and an increase in overhead rates from 139% to 154%
- Increase of \$94,864 to account for staff time required to manually use DSRSD’s wet weather holding basins for dry weather storage of recycled water. This labor cost is anticipated to be significantly reduced in the future once permanent improvements to the holding basins can be made.
- Increase of \$121,390 based on a general 5% inflation adjustment on materials and services
- Increase of \$80,000 to reflect higher chemical prices
- Increase in the Central Contra Costa Sanitary District Temporary Diversion Project operating cost of \$19,280 based on 2021 experience
- Savings of \$39,000 from decommissioning the microfiltration system

DSRSD staff reviewed the adjustments to the proposed FYE 2023 DERWA O&M budget with DERWA staff on March 28, 2022 and formally submitted the revised FYE 2023 DERWA O&M budget to the DERWA Authority Manager on April 11, 2022 (see Attachment 1).

Staff is recommending that the DSRSD Board support the increase in the proposed DERWA O&M budget for FYE 2023. The revised DERWA O&M budget would then be incorporated into the overall DERWA annual operating budget for FYE 2023, which will be reviewed and considered by the DERWA Board on May 16, 2022. If approved by the DERWA Board, the revised DERWA O&M budget for FYE 2023 will be reflected in the District’s mid-cycle budget adjustment that will be presented to the DSRSD Board at a future Board meeting.

The District’s share of DERWA’s annual operating costs varies by year based on actual annual recycled water deliveries to DSRSD, EBMUD, and Pleasanton. The District’s estimated share of DERWA’s annual operating costs is estimated currently at about 55%.

April 11, 2022

Mr. John Rossi  
DERWA Authority Manager  
7051 Dublin Blvd.  
Dublin, CA 94568

**Subject: Proposed Adjustment to DERWA Operations & Maintenance Budget for Fiscal Year Ending 6/30/2023 (FYE 2023)**

Dear John:

On January 25, 2021, in accordance with Article 3.B of the 2005 DERWA-DSRSD Operations Agreement, DSRSD submitted proposed budgets to operate and maintain, on behalf of DERWA, the Jeffrey G. Hansen Water Recycling Plant for the two fiscal year periods of July 1, 2021 – June 30, 2022 (FYE 2022) and July 1, 2022 – June 30, 2023 (FYE 2023), which coincides with the District's two-year budget cycle.

The District is proposing an updated FYE 2023 budget to address primarily the cost of inflation in labor and materials that have significantly gone up since the original two-year budget was prepared. The revised total proposed O&M budget for FYE 2023 is \$3,973,790 including labor, chemicals, utilities, materials, supplies, laboratory analysis, and contractual services. This amount will provide recycled water to EBMUD, DSRSD and Pleasanton customers at a rate of approximately \$716 per acre-foot, based on updated demand projection of 5,549 acre-feet for the fiscal year.

Attachment 1 shows the proposed FYE 2023 budget in detail and Attachment 2 provides a comparison of the proposed budget for FYE23 compared to the previously submitted FYE23 budget, and the previous two fiscal years.

Attachment 3 shows the man-hour estimates prepared for the labor portion of the proposed budget with an estimate of 6,472 billable hours that will be necessary to operate and maintain the DERWA system.

Attachment 4 shows the projected recycled water demand expected for the fiscal year. The total recycled water demand during this period is predicted to be about 5,549 acre-feet, or 1,808 million gallons. As you are aware, District staff has proceeded with the recommendation to cease operation and maintenance of the MFUV system based on the analysis conducted by Carollo Engineers. Therefore, this projected recycled water demand for next fiscal year will be all produced by the sand filtration system.

The proposed O&M budget includes the following noteworthy items:

- Estimated labor cost is based on burden labor rates, per established practice, which are adjusted annually. The original proposed budget used 2.75% estimated CPI increase but has now been revised to use DSRSD published billing rates for 2022. The DSRSD 2022 billing rates include a general overhead factor of 154.44% (increased from 139.44%).
- The revised labor budget also includes staff time to fill, drain and clean DSRSD's holding basins for dry weather storage for DERWA for sustained recycled water production. This labor cost is approximately \$95,000. This cost is anticipated to be significantly reduced in the future if DERWA and DSRSD move forward with plans to make permanent improvements to DSRSD's holding basins to optimize summertime storage of wastewater flows.
- The materials/services budget is increased by 5% in general, except for some of the chemicals that have gone up significantly, such as 100% increase in the price for sodium hypochlorite and 18% increase for aluminum sulfate. These two major chemicals are competitively bid and awarded by the Bay Area Chemical Consortium, of which DSRSD is a participating agency.
- Our region is presently experiencing low precipitation during the wet season and if the trend continues, operating costs may be impacted because higher demands are developing off-season in March. This early system demand, driven by a lack of precipitation, means the window of preventative maintenance to the facilities will have an impact on our labor due to the reduction of time available to perform the work in normal business hours.
- Additional periodically occurring maintenance continues in this budget due to the water recycling plant passing the 15-year mark, triggering half-life maintenance tasks and/or assets at the end of their useful life. The water recycling plant's high duty cycle continues due to the system demand.
- Central Contra Costa Sanitary District Temporary Diversion Project – this proposed budget includes the supplemental sewage secondary treatment cost in the amount of \$40,000.
- Mechanical – The increased demand on the sand filters is causing excessive wear on the components and the air lifts will need to be purchased for year-round operation. Specialized fabricated gate is needed to isolate sand filter effluent for maintenance and 6 butterfly valves will also need to be replaced.
- Electrical – We will continue to purchase replacement and spare wiring harnesses for the UV banks. Additional instrumentation replacements are included due to the end of their useful life. The UPS upgrades were not started last fiscal year due to lack of staff resources, therefore this budget item will be carried over into the coming fiscal year.
- Chemicals to process recycled water – Clarifloc WE-363 polymer will continue to be used the flocculant with aluminum sulfate as the coagulant. This chemical combination provided significant reduction in dosing quantity and also improved the sand filter effluent turbidity.

April 11, 2022

Page 3 of 3

As discussed with DERWA and EBMUD, DSRSD has reviewed the costs to treat the recycled filter backwash streams from DERWA and determined that this charge needs to be significantly increased to reflect the actual cost to DSRSD for treating these waste streams. Article 3.H of the 2005 DERWA-DSRSD Operations Agreement provides for DSRSD to charge DERWA for treatment of backwash streams that are discharged to the DSRSD Regional Wastewater Treatment Plant *“at industrial user charge rates established from time to time, by the DSRSD Board of Directors, consistent with the Operations and Maintenance Cost Sharing provisions of the Sales Agreement.”* DSRSD is currently preparing a Regional Wastewater Treatment Rate Study, which will analyze the cost to treat backwash waste streams from DERWA and establish updated industrial user charge rates. The updated charges will be reflected into the next 2-year budget for FYE 24 and FYE 25.

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

Sincerely,



Jeff Carson  
Operations Director

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#### Attachments

cc: Richard Lou, DERWA Treasurer  
Dan McIntyre, DSRSD General Manager  
Jan Lee, DSRSD Assistant General Manager  
Steven Delight, DSRSD Engineering Services Director  
Carol Atwood, DSRSD Administrative Services Director  
Virgil Sevilla, DSRSD Operations Superintendent  
Maurice Atendido, DSRSD Principal Electrical Engineer  
Shawn Quinlan, DSRSD Maintenance Superintendent  
Kristy Fournier, DSRSD Analytical Laboratory Manager  
Diane Griffin, DSRSD Operations Compliance Manager  
Gemma Lathi, DSRSD Management Analyst II - Operations

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**PROPOSED DERWA O&M BUDGET FOR FISCAL YEAR 2022-2023**

<b>Summary:</b>		<u>Total</u>	<u>Treatment</u>	<u>Distribution</u>
LABOR		\$1,314,730	\$948,550	\$366,180
MATERIALS & SUPPLIES		\$2,366,410	\$2,173,240	\$193,170
CONTRACTUAL SERVICES		\$252,650	\$222,720	\$29,930
CCCSD Supplemental Supply Treatment Cost		\$40,000	\$40,000	\$0
		<b>\$3,973,790</b>	<b>\$3,384,510</b>	<b>\$589,280</b>
<b>Projected Demand:</b>		<u>Total</u>	<u>SF-UV</u>	<u>MF-UV</u>
Days of operation		365	365	0
Annual acre feet		5,549	5,549	0
Annual million gallons		1,808	1,808	0
<b>Projected Unit Cost:</b>		<u>Total</u>	<u>Treatment</u>	<u>Distribution</u>
Cost/AF		\$716	\$610	\$106
Cost/MG		\$2,198	\$1,872	\$326

**Detailed Breakdown:**

<u>LABOR</u>	<u>Hours</u>	<u>Billing Rate</u>	<u>Labor Cost</u>	<u>Treatment</u>	<u>Distribution</u>	<u>Special</u>
<b>DIVISION 51 - Field Operations</b>						
WWSO II	276	\$175	\$48,355		\$48,355	
Senior WWSO	192	\$198	\$38,001		\$38,001	
Supervisor (Superintendent)	85	\$342	\$29,033		\$29,033	
Subtotal	553		\$115,388	\$0	\$115,388	
<b>DIVISION 52 - Treatment Plant</b>						
Operator in Training	309	\$143	\$44,254	\$44,254		\$44,254
Operator II	103	\$181	\$18,613	\$18,613		\$18,613
Senior Process Lead Operator	308	\$219	\$67,492	\$67,492		\$6,136
Senior WWTP Operator	2,839	\$199	\$564,251	\$564,251		\$16,298
Supervisor (Superintendent)	118	\$342	\$40,304	\$40,304		\$9,564
Subtotal	3,677		\$734,914	\$734,914	\$0	\$94,864
<b>DIVISION 53 - Mechanical</b>						
Senior Mechanic	216	\$218	\$47,131	\$35,348	\$11,783	
Mechanic II	736	\$198	\$146,000	\$46,720	\$99,280	
Supervisor (Superintendent)	85	\$325	\$27,595	\$8,830	\$18,765	
Subtotal	1,037		\$220,727	\$90,899	\$129,828	
<b>DIVISION 54 - Electrical</b>						
Sr Instrument/Controls Tech	83	\$218	\$18,072	\$9,036	\$9,036	
Instrument Tech II	270	\$198	\$53,441	\$13,360	\$40,081	
Instrument Tech I	270	\$185	\$50,072	\$25,036	\$25,036	
Senior Electrician	83	\$200	\$16,563	\$8,281	\$8,281	
Electrician II	234	\$181	\$42,450	\$31,837	\$10,612	
Supervisor (Principal Engineer)	85	\$315	\$26,767	\$13,384	\$13,384	
Subtotal	1,025		\$207,365	\$100,935	\$106,430	
<b>DIVISION 40 - Engineering</b>						
Senior Civil Engineer	20	\$219	\$4,371	\$2,622	\$1,748	
Associate Engineer	160	\$200	\$31,963	\$19,178	\$12,785	
Subtotal	180		\$36,334	\$21,800	\$14,534	
<b>Total Billable Labor</b>	<b>6,472</b>		<b>\$1,314,730</b>	<b>\$948,550</b>	<b>\$366,180</b>	

Notes: 1) FYE 2023 labor rates are based DSRSD published 2022 billing rates. 2) There is a special labor cost of \$94,864 related to operation and maintenance of the DSRSD holding basins to be used for storage during peak season for DERWA recycled water production; this is temporary cost this year while the DERWA project is undertaking.

*Budget details on Materials & Supplies and Contractual Services continued on next page.*

## PROPOSED DERWA O&amp;M BUDGET FOR FISCAL YEAR 2022-2023

<b>MATERIALS &amp; SUPPLIES</b>	<b>Total</b>	<b>Treatment</b>	<b>Distribution</b>
<b>Operations Supplies</b>			
Aluminum Sulfate	\$295,000	\$295,000	\$0
Citric Acid	\$5,250	\$5,250	\$0
Memclean	\$5,250	\$5,250	\$0
Polymer	\$52,500	\$52,500	\$0
Sodium Hypochlorite	\$70,000	\$64,000	\$6,000
Sand (placeholder for Yr 2 \$10K)	\$10,500	\$10,500	\$0
MFUV lamps and sleeves, lamp control assembly	\$0	\$0	\$0
SFUV Cable Harnesses (CIP project)	\$0	\$0	\$0
SF cell rehabilitation	\$52,500	\$52,500	\$0
SFUV Wipers/Sensors	\$110,250	\$110,250	\$0
SFUV Lamps and associated parts	\$79,800	\$79,800	\$0
SF UVI Probe sensors with housings (5 units for spare)	\$11,030	\$11,030	\$0
Backwash Waste	\$102,800	\$102,800	\$0
Electricity (PG&E)	\$1,226,400	\$1,068,900	\$157,500
Water (Pleasanton bills)	\$1,050	\$1,050	\$0
Pleasanton Potable Water Make-up	\$0	\$0	\$0
Supplies/Expenses (misc)	\$2,630	\$2,100	\$530
Subtotal	\$2,024,960	\$1,860,930	\$164,030
<b>Mechanical Supplies</b>			
SF Airlift Assembly replacement (est 10 units)	\$33,600	\$33,600	\$0
Compressor parts	\$5,250	\$5,250	\$0
Gauges/valves	\$18,900	\$18,900	\$0
HVAC maintenance	\$8,400	\$8,400	\$0
Metering pumps	\$14,700	\$14,700	\$0
Pump repair parts	\$21,000	\$0	\$21,000
Davit arms and replacement tank drain	\$0	\$0	\$0
Hypo Pump (2 units)	\$0	\$0	\$0
Subtotal	\$101,850	\$80,850	\$21,000
<b>Electrical Supplies</b>			
21 KV equipment	\$1,580	\$1,580	\$0
SF Actuators (2 spares)	\$14,180	\$14,180	\$0
Analyzer and Instruments spare parts	\$3,150	\$3,150	\$0
Major Project Parts	\$5,520	\$4,730	\$790
Metering parts	\$7,880	\$7,880	\$0
Misc Corrective Parts	\$11,030	\$7,880	\$3,150
Motor/VFD repairs and parts	\$14,180	\$9,980	\$4,200
SFUV and MFUV ballast replacements	\$56,180	\$56,180	\$0
MF UVT meters relocation	\$0	\$0	\$0
Subtotal	\$113,700	\$105,560	\$8,140
<b>Laboratory Services/Analysis</b>			
Compliance Testing	\$76,180	\$76,180	\$0
Salt Mgmt Plan sampling/analysis	\$17,090	\$17,090	\$0
Operational Support Testing	\$32,630	\$32,630	\$0
Subtotal	\$125,900	\$125,900	\$0
<b>Total Materials &amp; Supplies</b>	<b>\$2,366,410</b>	<b>\$2,173,240</b>	<b>\$193,170</b>
<b>CONTRACTUAL SERVICES</b>			
PSR1 Motor Rehab	\$10,500	\$10,500	\$0
21 KV transformer testing, bi-annual (next FYE24, est \$8K)	\$0	\$0	\$0
21kV Tri-Annual PM Service (due FY21, next FYE24 est \$3,300)	\$0	\$0	\$0
480V Annual PM Service	\$21,000	\$21,000	\$0
Actiflo optimization technical support	\$7,350	\$7,350	\$0
Chlor-A-Vac rehab of 2 motors	\$0	\$0	\$0
IHT Pipeline CP Survey and AC Mitigation Study, annual	\$9,450	\$0	\$9,450
MF Service Contract, annual	\$0	\$0	\$0
Misc Repair services, as needed	\$10,500	\$10,500	\$0
Professional Services, as needed	\$5,260	\$2,630	\$2,630
PLC Support, annual	\$35,290	\$35,290	\$0
UV System Preventative Maintenance Service	\$30,450	\$30,450	\$0
Reservoir Cleaning R100/R200 (every 3-4 years, due 2024)	\$0	\$0	\$0
SCADA Software Support, annual	\$18,900	\$16,800	\$2,100
SFUV Service Contract, annual	\$30,450	\$30,450	\$0
Sub-surface Repairs, as needed	\$15,750	\$0	\$15,750
Pump Stations Vibration Monitoring equipment & software	\$5,250	\$5,250	\$0
SFUV System Inspection	\$52,500	\$52,500	\$0
<b>Total Contractual Services</b>	<b>\$252,650</b>	<b>\$222,720</b>	<b>\$29,930</b>
<b>CCCSD SUPPLEMENTAL SUPPLY</b>			
Secondary Treatment Cost (based on 2021 actual billing)	\$40,000	\$40,000	\$0
<b>TOTAL O&amp;M BUDGET (LABOR, MATERIALS &amp; SERVICES)</b>	<b>\$3,973,790</b>	<b>\$3,384,510</b>	<b>\$589,280</b>

Attachment 2

	PREVIOUS TWO FISCAL YEARS				CURRENT FISCAL YEAR			NEXT FY	
	Approved	Actual	Approved	Actual	Approved	YTD (Jul-Feb)	Projected Total	Original	Revised
	Budget	Expenses	Budget	Expenses	Budget	Actual Exp	Expenses	Proposed	Proposed
	FY 2019-2020	FY 2019-2020	FY 2020-2021	FY 2020-2021	FY 2021-2022	FY 2021-2022	FY 2021-2022	FY 2022-2023	FY 2022-2023
<b>Labor</b>									
Transmission	\$373,016	\$167,320	\$383,274	\$133,443	\$344,260	\$106,620	\$153,300	\$353,320	\$366,180
Treatment	\$712,128	\$933,702	\$744,189	\$936,741	\$803,700	\$673,398	\$958,510	\$825,140	\$948,550
<b>Subtotal</b>	<b>\$1,085,144</b>	<b>\$1,101,022</b>	<b>\$1,127,463</b>	<b>\$1,070,185</b>	<b>\$1,147,960</b>	<b>\$780,018</b>	<b>\$1,111,810</b>	<b>\$1,178,460</b>	<b>\$1,314,730</b>
<b>Materials &amp; Supplies: Distribution</b>									
Sodium Hypochlorite	\$2,500	\$546	\$2,500	\$704	\$3,000	\$0	\$420	\$3,000	\$6,000
Electricity	\$100,000	\$130,816	\$105,000	\$134,848	\$137,000	\$96,368	\$136,500	\$150,000	\$157,500
Water (potable makeup)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Supplies/Expenses (misc & one-time)	\$500	\$0	\$500	\$4	\$500	\$23	\$30	\$500	\$530
Mechanical Supplies	\$18,000	\$0	\$18,000	\$360	\$20,000	\$550	\$550	\$20,000	\$21,000
Electrical Supplies	\$6,750	\$260	\$6,750	\$2,453	\$7,750	\$419	\$1,120	\$7,750	\$8,140
Laboratory Analysis	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Contractual Services	\$88,300	\$18,983	\$28,300	\$46,810	\$28,500	\$89,822	\$89,830	\$28,500	\$29,930
<b>Subtotal</b>	<b>\$216,050</b>	<b>\$150,606</b>	<b>\$161,050</b>	<b>\$185,179</b>	<b>\$196,750</b>	<b>\$187,182</b>	<b>\$228,450</b>	<b>\$209,750</b>	<b>\$223,100</b>
<b>Materials &amp; Supplies: Treatment</b>									
Sand	\$10,000	\$6,228	\$10,000	\$0	\$0	\$9,949	\$9,950	\$10,000	\$10,500
Aluminum Sulfate/PACL	\$300,000	\$238,438	\$300,000	\$192,452	\$250,000	\$101,908	\$250,000	\$250,000	\$295,000
Polymer	\$50,000	\$72,154	\$50,000	\$76,589	\$50,000	\$61,776	\$80,320	\$50,000	\$52,500
Sodium Hypochlorite	\$30,000	\$28,523	\$32,000	\$23,557	\$32,000	\$3,389	\$30,000	\$32,000	\$64,000
Memclean	\$5,000	\$1,600	\$5,000	\$3,059	\$5,000	\$0	\$3,000	\$5,000	\$5,250
Citric Acid	\$5,000	\$1,915	\$5,000	\$2,996	\$5,000	\$7,155	\$7,160	\$5,000	\$5,250
UV Bulbs/Wipers, harness, misc parts	\$110,000	\$108,864	\$156,500	\$11,684	\$266,500	\$231,658	\$250,000	\$216,500	\$253,580
Electricity (SFUV, MFUV, PSR1)	\$750,000	\$754,873	\$787,500	\$917,546	\$925,000	\$565,517	\$925,000	\$1,018,000	\$1,068,900
Backwash Waste	\$50,000	\$103,589	\$50,000	\$57,494	\$89,000	\$25,651	\$66,460	\$97,900	\$102,800
Water (Pleasanton bills)	\$900	\$1,141	\$900	\$1,194	\$1,000	\$729	\$1,150	\$1,000	\$1,050
Supplies/Expenses (misc & one-time)	\$2,000	\$27,575	\$2,000	\$3,940	\$2,000	\$1,633	\$11,320	\$2,000	\$2,100
Mechanical Supplies	\$75,500	\$44,081	\$75,500	\$38,315	\$95,000	\$25,969	\$40,390	\$77,000	\$80,850
Electrical Supplies	\$110,170	\$66,413	\$85,670	\$125,676	\$157,500	\$50,858	\$89,340	\$100,500	\$105,560
Laboratory Analysis	\$125,400	\$103,503	\$125,400	\$128,349	\$114,200	\$80,487	\$117,330	\$119,910	\$125,900
Contractual Services	\$150,250	\$71,960	\$153,250	\$17,546	\$242,310	\$44,299	\$51,880	\$212,110	\$222,720
Emergency	\$0	\$327,653	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CCCSD Diversion Supply: Treatment/DisposalCost	\$0	\$0	\$0	\$0	\$20,720	\$54,810	\$54,810	\$20,720	\$40,000
<b>Subtotal</b>	<b>\$1,774,220</b>	<b>\$1,958,510</b>	<b>\$1,838,720</b>	<b>\$1,600,397</b>	<b>\$2,255,230</b>	<b>\$1,265,788</b>	<b>\$1,988,110</b>	<b>\$2,267,640</b>	<b>\$2,435,960</b>
<b>Transmission Subtotal</b>	<b>\$589,066</b>	<b>\$317,925</b>	<b>\$544,324</b>	<b>\$318,622</b>	<b>\$541,010</b>	<b>\$293,802</b>	<b>\$381,750</b>	<b>\$563,070</b>	<b>\$589,280</b>
<b>Treatment Subtotal</b>	<b>\$2,486,348</b>	<b>\$2,892,212</b>	<b>\$2,582,909</b>	<b>\$2,537,139</b>	<b>\$3,058,930</b>	<b>\$1,939,186</b>	<b>\$2,946,620</b>	<b>\$3,092,780</b>	<b>\$3,384,510</b>
<b>Grand Total</b>	<b>\$3,075,414</b>	<b>\$3,210,137</b>	<b>\$3,127,233</b>	<b>\$2,855,761</b>	<b>\$3,599,940</b>	<b>\$2,232,988</b>	<b>\$3,328,370</b>	<b>\$3,655,850</b>	<b>\$3,973,790</b>
<b>Production, Acre-Feet</b>	<b>5,163</b>	<b>4,603</b>	<b>5,380</b>	<b>5,647</b>	<b>5,386</b>	<b>3,382</b>	<b>5,386</b>	<b>5,440</b>	<b>5,549</b>
<b>Cost per AF</b>	<b>\$596</b>	<b>\$698</b>	<b>\$581</b>	<b>\$506</b>	<b>\$668</b>	<b>\$660</b>	<b>\$618</b>	<b>\$672</b>	<b>\$716</b>

## DERWA LABOR ESTIMATING

FYE 2023

PERSONNEL		Hours
<b>Division 51 - Field Operations (Distribution)</b>		<b>553</b>
WWSO II	1 hour per day for rounds	134
WWSO II	Chlorinating reservoirs, occasional as needed	4
WWSO II	Annual fill and drain procedure	17
WWSO II	Valve exercising & ARV inspections	84
WWSO II	USA's - approx 1 hour per week	36
WWSO IV	1 hour per day for rounds	134
WWSO IV	Chlorinating reservoirs, occasional as needed	4
WWSO IV	Annual fill and drain procedure	17
WWSO IV	Valve exercising & ARV inspections	0
WWSO IV	USA's - approx 1 hour per week	36
Supervisor	Supervising staff activities, inspecting work, dealing with problems	85
<b>Division 52 - Treatment Plant Operations (Production)</b>		<b>3677</b>
Senior Operator III	BF/SF/UV 3.8 hr per shift or 7 hr per day for 7.5 mos	2357
Senior Operator III	Membrane plant 1.3 hr per shift or 4 hr per day for 4.5 mos	0
OIT	Fill/drain/clean holding basins for storage during peak season 1.25 hrs/shift (75%)	309
Operator II	Fill/drain/clean holding basins for storage during peak season 1.25 hrs/shift (25%)	103
Senior Operator III	Monitor moving water in holding basins during peak season 2 shifts, 0.5 hr/shift	82
Senior Process Lead Operator	Monitor moving water in holding basins during peak season 2 shifts	28
Senior Process Lead Operator	Troubleshooting problems	280
Senior Operator III	UV lamp and wiper maintenance/replacement, annual	400
Supervisor	Supervising staff activities, inspecting work, dealing with problems	118
<b>Division 53 - Mechanical Maintenance</b>		<b>1037</b>
Mechanic II	PM's	324
Mechanic II	Sand plant approx 8 hr per week for 8 mos	256
Mechanic II	Membrane plant 3 hrs per week for 5 mos	0
Mechanic II	Pump station/reservoir maint 3 hrs per week	156
Senior Mechanic	Troubleshooting problems	216
Supervisor	Supervising staff activities, inspecting work, dealing with problems	85
<b>Division 54 - Electrical &amp; Instrumentation Maintenance</b>		<b>1025</b>
Instrument Tech I	RW Treatment Plant & Transmission Instruments 3.5 hours/week	270
Instrument Tech II	RW Treatment Plant & Transmission SCADA system 3.5 hours/week	270
Sr Instrument/Controls Tech	Instrument replacement and SCADA troubleshooting 0.75 hours/week	83
Electrician II	RW Treatment Plant 2 hours/week	234
Senior Electrician	Electrical troubleshooting .75 hours/week	83
Supervisor	Supervising staff activities, dealing with problems 1.5 hours/week	85
<b>Division 40 - Engineering</b>		<b>180</b>
Senior Civil Engineer	Assistance with engineering, maintenance, and bidding issues	20
Associate Engineer	Assistance with engineering, maintenance, and bidding issues	160
<b>TOTAL</b>		<b>6472</b>



**Attachment 4**

**Estimated Recycled Water Demand for Fiscal Year 2022-2023**

Year	Month	Production		Recycled Water Demand				
		SF-UV (MG)	MF-UV (MG)	Average MGD	Peak MGD	MG	AF	Peaking Factor
2022	JUL	311.64	0.00	10.05	13.40	311.64	956.46	1.33
2022	AUG	272.70	0.00	8.80	11.40	272.70	836.95	1.30
2022	SEP	229.35	0.00	7.64	10.35	229.35	703.90	1.35
2022	OCT	131.90	0.00	4.25	7.95	131.90	404.82	1.87
2022	NOV	38.95	0.00	1.30	3.72	38.95	119.54	2.87
2022	DEC	28.66	0.00	0.92	2.61	28.66	87.96	2.83
2023	JAN	25.57	0.00	0.82	2.23	25.57	78.48	2.70
2023	FEB	27.81	0.00	0.99	2.47	27.81	85.34	2.49
2023	MAR	65.38	0.00	2.11	4.33	65.38	200.64	2.05
2023	APR	154.28	0.00	5.14	7.61	154.28	473.49	1.48
2023	MAY	218.84	0.00	7.06	9.29	218.84	671.65	1.32
2023	JUN	302.83	0.00	10.09	13.37	302.83	929.42	1.32
AVG				4.93				1.91
TOTAL		1,807.91	0.00			<b>1,807.91</b>	<b>5,548.65</b>	
MIN		25.57	0.00	0.82	2.23	25.57	78.48	1.30
MAX		311.64	0.00	10.09	13.40	311.64	956.46	2.87

Notes: a) The flows shown are projections based on the "2022-2026 DERWA Five-Year Projected Average Recycled Water Demand" provided by DSRSD Engineering on 3/18/2022. b) Assume SF is online for entire year and MF is decommissioned.

