



AGENDA

NOTICE OF REGULAR MEETING

TIME: 6 p.m.

DATE: Monday, April 24, 2023

PLACE: Dublin San Ramon Services District
Boardroom
7051 Dublin Boulevard, Dublin, CA
www.derwa.org

Our mission is to maximize the amount of recycled water delivered while recovering its costs; in doing so it will provide a reliable and consistent supply of recycled water to DSRSD and EBMUD for service to each of the agencies' customers.

1. CALL TO ORDER
2. PLEDGE TO THE FLAG
3. ROLL CALL - Members: Coleman, Vonheeder-Leopold, Chan, and Johnson
Alternates: Goel and Young
4. SPECIAL ANNOUNCEMENTS/ACTIVITIES
5. PUBLIC COMMENT (Meeting Open to the Public)
At this time, those in the audience 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 from the Authority Secretary and should be completed and returned to the Authority Secretary prior to addressing the Board. The Chair of the Board will recognize each speaker, at which time the speaker should proceed to the lectern, introduce him/herself, and then proceed with his/her comment. Written comments may be submitted to the Authority Secretary at genzale@dsrsd.com. Comments received by 3 p.m. on the day of the meeting will be provided to the Board.
6. CONSENT CALENDAR
Matters listed under this item are considered routine and will be enacted by one action 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.
 - A. Approve Minutes of Special Board Meeting of January 30, 2023
Recommended Action: Approve by Motion
 - B. Approve Treasurer's Reports for January 31, and February 28, 2023
Recommended Action: Approve by Motion
 - C. Approve Task Order No. 20 for Fiscal Year 2023-24 for Public Information Services with ICF Jones & Stokes, Inc.
Recommended Action: Approve by Motion

7. BOARD BUSINESS

- A. Approve Proclamation for Marisol Rubio’s Service on the DERWA Board of Directors
Recommended Action: Approve by Motion
- B. Approve and Establish the Location, Time, and Place of Regular DERWA Board Meetings and Rescind Resolution No. 22-6
Recommended Action: Approve by Resolution
- C. Authorize the Authority Manager to Enter into an Agreement with Dublin San Ramon Services District to Prepare a DERWA Facilities Energy Evaluation
Recommended Action: Authorize by Motion
- D. Approve and Adopt the Fiscal Year 2023-2024 Operating and Capital Budget
Recommended Action: Approve by Resolution

8. STAFF REPORTS

- A. Authority Manager Update
- B. Confirm Next Board Meeting – September 25, 2023

9. BOARDMEMBER ITEMS

10. ADJOURNMENT

All materials made available or distributed in open session at Board meetings are public information and are available for inspection during business hours by calling the Authority Secretary at (925) 828-0515. A fee may be charged for copies. District facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the Authority Secretary as soon as possible, but at least two days prior to the meeting.

Item 6.A

**DSRSD•EBMUD RECYCLED WATER AUTHORITY
(DERWA)
Board of Directors Special Meeting Minutes
Monday, January 30, 2023**

1. CALL TO ORDER – Vice Chair Coleman called the DSRSD•EBMUD Recycled Water Authority (DERWA) meeting to order at 6 p.m. He announced that per the Brown Act, all votes taken this evening will be done by a roll call vote due to Director Johnson participating via teleconference.

The Boardroom and teleconference location were open to the public during open session. Due to the COVID-19 pandemic, meeting attendees were required to conduct a self-screening before entering District facilities and remote meeting locations. Face coverings were optional.

2. PLEDGE TO THE FLAG
3. ROLL CALL – Directors present: Vice Chair John Coleman, and Directors Georgean Vonheeder-Leopold, April Chan, and Ann Marie Johnson (participated via teleconference). DERWA Staff present: Jan Lee, Authority Manager; Robert Hannay, Acting Treasurer; Austin Cho, General Counsel; and Vivian Chiu, Acting Authority Secretary
4. SPECIAL ANNOUNCEMENTS/ACTIVITIES – Authority Manager Lee announced that EBMUD Treasury Manager Robert Hannay is attending for Treasurer Richard Lou and DSRSD Management Analyst Vivian Chiu is attending for Authority Secretary Nicole Genzale this evening.
5. PUBLIC COMMENT – 6:02 p.m. – None
6. BOARD REORGANIZATION

- A. Approve Selection of Board Officers for 2023

Director Vonheeder-Leopold MOVED to Nominate and Elect Vice Chair Coleman as DERWA Chair. Director Chan SECONDED the MOTION, which CARRIED with FOUR AYES.

Chair Coleman assumed the new position and continued to run the meeting.

Director Johnson MOVED to Nominate and Elect Director Vonheeder-Leopold as DERWA Vice Chair. Chair Coleman SECONDED the MOTION, which CARRIED with FOUR AYES.

Vice Chair Vonheeder-Leopold MOVED to Appoint Nicole Genzale as Authority Secretary. Chair Coleman SECONDED the MOTION, which CARRIED with FOUR AYES.

7. CONSENT CALENDAR

Vice Chair Vonheeder-Leopold MOVED for approval of the items on the Consent Calendar. Director Chan SECONDED the MOTION, which CARRIED with FOUR AYES.

- A. Approve Minutes of Regular Board Meeting of September 26, 2022

DRAFT

- B. Approve Treasurer's Reports for August 31, September 30, October 31, November 30, and December 31, 2022
- C. Approve Quarterly Investment Reports for September 30, and December 31, 2022
- D. Authorize the Authority Manager to Enter into a Renewed License Agreement with Pacific Gas & Electric (PG&E) to Use an Existing Well for Supplemental Water Supply

8. BOARD BUSINESS

- A. Accept the DERWA Independent Auditor's Reports and Financial Statements for Years Ending June 30, 2022, and 2021

Acting Treasurer Hannay reviewed the item for the Board. He reported this item includes audited financial statements for two fiscal years and the audits did not find any issues, deficiencies, material weaknesses or findings with the DERWA accounting practices and internal controls for these two fiscal years.

Vice Chair Vonheeder-Leopold MOVED to Accept the DERWA Independent Auditor's Reports and Financial Statements for Years Ending June 30, 2022, and 2021. Director Johnson SECONDED the MOTION, which CARRIED with THREE AYES and ONE ABSENCE (Chan).

- B. Receive and Discuss Information on Recycled Water Connection Moratorium

Authority Manager Lee reviewed the item for the Board, and addressed questions raised during the discussion on supplemental supply and demand management efforts at the last Board meeting, concerning the status of the recycled water connection moratorium. She reported on the following areas:

- Background on the connection moratorium
- Status of the current supplemental supply and demand management efforts
- Issues to consider during discussions on the connection moratorium

The Board and staff discussed various aspects of the report. They discussed methods for managing storage and balancing supply and demand, anticipated flow supply, and possible effluent sources. They also discussed supplementing the DERWA recycled water supply with potable water and reasons for not including it in the 2022 Interim Agreement Related to the Supply and Sale of Recycled Water. Staff commented that data from EBMUD's recently installed AMI (advanced metering infrastructure) sites and preliminary results from the Recycled Water Supply and Operations Plan Update study would allow better demand analysis and more detailed evaluations of the moratorium for Board discussion in September.

The Board inquired about the recycled water connection at the Crow Canyon County Club (to come online this summer as EBMUD's second golf course customer) and the Dublin Sports Grounds. DSRSD Engineering and Technical Services Director Steve Delight explained the City of Dublin had switched the recycled water connections at the fields to Don Biddle Park.

- C. Approve Professional Services Agreement for Consulting Services with Brown and Caldwell and Task Order No. 1 for the DERWA Recycled Water Supply and Operations Plan Update

Authority Manager Lee reviewed the item for the Board. She reported the project is fully funded from the capital budget approved by the Board for fiscal year 2023.

The Board asked for clarification on expiration of the agreement at the end of 2025 for the 12-month project. Staff explained the task order has a one-year timeframe, whereas the master agreement has a longer term to accommodate any additional work subject to approval by the Board.

Vice Chair Vonheeder-Leopold MOVED to Approve the Professional Services Agreement for Consulting Services with Brown and Caldwell and Task Order No. 1 for the DERWA Recycled Water Supply and Operations Plan Update. Chair Coleman SECONDED the MOTION, which CARRIED with THREE AYES and ONE ABSTENTION (Chan).

D. Receive Presentation on Preparation of the Fiscal Years 2024 and 2025 Operating and Capital Budgets

Authority Manager Lee remarked that this item highlights the few areas of the budget where staff are anticipating changes before budget adoption at the next regular Board meeting on April 24. The complete fiscal year 2024 budget with details will be included in the April agenda packet. She then introduced DSRSD Management Analyst Corinne Ferreyra, who gave a presentation on the Preparation of the Fiscal Years 2024 and 2025 Operating and Capital Budgets that was provided to the Board and added to the DERWA and DSRSD websites as supplemental materials. The presentation detailed the following areas:

- Overview
- Historical operating budgets and actual expenditures
- Two factors for increases to the proposed operating budget
- Proposed capital improvement projects
- Next steps

The Board and staff discussed various aspects of the presentation. They discussed the proposed pilot project to install a test well in the fringe groundwater basin, solar options to obtain federal and state grants and offset electrical costs, DSRSD's Energy Facilities Master Plan (in progress) to identify potential energy savings, and the estimated \$1.2 million increase to treat DERWA backwash.

9. STAFF REPORTS

A. Authority Manager Update

Authority Manager Lee reported a change from a verbal to a written format for this standing item to allow the Board to review the information in advance of the meeting and to lighten the meeting minutes. She called attention to the update's section regarding future Board meetings. She commented that staff may propose adjustments to the meeting frequency and schedule to better align matters to be considered by the Board.

10. BOARD MEMBER ITEMS – None

11. ADJOURNMENT

Chair Coleman adjourned the meeting at 6:43 p.m.

Submitted by,

Vivian Chiu, MMC
Acting Authority Secretary

FOR: Nicole M. Genzale, CMC
Authority Secretary

Item 6.B

DERWA Summary & Recommendation

Approve Treasurer's Reports for January 31, and February 28, 2023

Summary:

Attached are the Treasurer's Reports for the months ending January 31, and February 28, 2023, submitted by Treasurer Richard Lou.

Recommendation:

The Treasurer recommends the DERWA Board of Directors approve, by Motion, the Treasurer's Reports for the months ending January 31, and February 28, 2023.

April 24, 2023

Attachments

1. Treasurer's Report – January 31, 2023
2. Treasurer's Report – February 28, 2023

**DSRSD/EBMUD RECYCLED WATER AUTHORITY
TREASURER'S REPORT FOR JANUARY 31, 2023**

STAFF REPORT

Attached is the DERWA Treasurer's Report for the month ending January 31, 2023. A summary of transactions and recommendation follows.

Revenues/Funding: During the month, \$232,285 agency reimbursements and \$5,252 in interest was received. Fiscal year-to-date revenue for FY23 totaled \$527,256. No other miscellaneous payments were received this month.

Expenses: Current month disbursements were \$3,893. Fiscal year-to-date expenditures for FY23 total \$1,303,939; of which \$1,301,294 was for operating expenses. Expenditures do not reflect all staff and consultant costs incurred but not yet billed to DERWA in FY23.

Cash: The cash balance at January 31, 2023 was \$1,861,516.

Submitted by:

Richard Lou

Richard Lou
Treasurer

Dated: February 14, 2023

Prepared by Houck, Matt Digitally signed by Houck, Matt
Date: 2023.02.14 13:46:30 -08'00' (M. Houck)

Reviewed by Yenny Coburn Digitally signed by Yenny Coburn
DN: cn=Yenny Coburn, o=Accounting, ou=226,
email=yenny.coburn@derwad.com, c=US
Date: 2023.02.14 13:55:39 -08'00'
Mobile-Revoked: yes; 2022.02.23.14 (Y. Coburn)

Approved by Hsieh, Winsun Digitally signed by Hsieh, Winsun
Date: 2023.02.15 13:34:03 -08'00' (W. Hsieh)

**DSRSD/EBMUD RECYCLED WATER AUTHORITY
TREASURER'S REPORT
FOR THE PERIOD ENDED JANUARY 31, 2023**

CAPITAL - PROJECT	Program Budget @ FY 2023	Expenditures FY 22 and Prior (a)	Expenditures Current Month	Expenditures FY 23 YTD (b)	Expenditures Grand Total (a+b)	DSRSD EXP Grand Total	EBMUD EXP Grand Total
Pipeline Reach 1	-	7,560,517	-	-	7,560,517	4,383,920	3,176,597
Pipeline Reach 2	-	4,558,120	-	-	4,558,120	3,882,264	675,856
Pipeline Reach 3	-	2,286,003	-	-	2,286,003	1,719,204	566,799
Pipeline Reach 4	-	1,614,959	-	-	1,614,959	363,685	1,251,274
Pipeline Reach 5	-	1,430,991	-	-	1,430,991	200,195	1,230,796
Pipeline Reach 6	-	6,759,869	-	-	6,759,869	430,784	6,329,085
Treatment Plant	-	15,732,794	-	-	15,732,794	8,948,843	6,783,951
Pump Stations	-	8,563,294	-	-	8,563,294	6,776,648	1,786,646
Water Tanks	-	12,393,483	-	-	12,393,483	7,221,552	5,171,931
Phase 2 Pipeline & Pump Station	-	3,462,938	-	-	3,462,938	-	3,462,938
Backbone Corrosion	-	1,109,004	-	-	1,109,004	122,302	986,702
SCADA	-	341,726	-	-	341,726	194,784	146,942
EBMUD Pipeline Phase 2, 3 & 4	-	602,193	-	-	602,193	-	602,193
Fine Screening	-	927,811	-	-	927,811	528,852	398,959
New/Replacement Capital <50K	208,000	321,987	-	-	321,987	183,533	138,454
MF/UV Control Programming Update	-	144,366	-	-	144,366	82,289	62,077
Program Planning & Air Relief	-	5,491,623	-	-	5,491,623	2,696,685	2,794,938
Planning Prior Years	-	3,665,330	-	-	3,665,330	1,796,012	1,869,318
Permanent Suppl. Supply	400,000	1,481,442	-	-	1,481,442	859,236	622,206
PSR-1 VFD Replacement	-	-	-	-	-	-	-
Air Relief Valve Rehabilitation/Replacement	45,000	-	-	-	-	-	-
SFUV and MF Operational Analysis	-	41,552	-	2,645	44,197	20,331	23,866
Chlorine Mixer Replacement	42,000	12,622	-	-	12,622	5,806	6,816
SFUV Cable Harness Replacement	68,000	82,672	-	-	82,672	38,029	44,643
UV Lamp Electrical Connector Replacement	50,000	126,635	-	-	126,635	58,252	68,383
HVAC Replacements	76,000	-	-	-	-	-	-
TIPS VFD Upgrades	63,000	-	-	-	-	-	-
MF Membrane Replace	-	698,833	-	-	698,833	335,440	363,393
LVAMWA Connection	-	-	-	-	-	-	-
6th RWTP Sand Filter	-	255	-	-	255	27	228
DWR IRWM- Prop 84 Rd 3 Drought Project	-	16,432	-	-	16,432	8,216	8,216
PSR1 /Recy. Water Treatment Expansion	35,000	15,524,095	-	-	15,524,095	9,814,518	5,709,577
Pleasanton Capital Billing/Contingency	-	5,795,139	-	-	5,795,139	-	5,795,139
Capitalized Interest	-	1,960,872	-	-	1,960,872	960,827	1,000,045
Total Capital Impr. Proj. Element	987,000	102,707,557	-	2,645	102,710,202	51,632,234	51,077,968

OPERATING - ITEM	Program Budget @ FY 2023	Expenditures FY 22 and Prior (a)	Expenditures Current Month	Expenditures FY 23 YTD (b)	Expenditures Grand Total (a+b)	DSRSD EXP Grand Total	EBMUD EXP Grand Total
DERWA Program Manager	245,000	3,942,071	1,815	38,389	3,980,460	2,852,402	1,128,058
Treasurer	100,000	3,009,894	2,078	17,808	3,027,702	2,270,776	756,926
Legal Counsel	75,000	545,997	-	6,457	552,454	414,341	138,113
Secretary	20,000	254,014	-	4,449	258,463	193,848	64,615
Other	130,000	1,734,329	-	126,127	1,860,456	1,395,342	465,114
Operation and Maintenance Detail	4,000,000	27,649,892	-	1,108,064	28,757,956	21,909,088	6,848,868
Debt Service	1,645,513	28,611,112	-	-	28,611,112	15,346,609	13,264,503
Total Operating Program Element	6,215,513	65,747,309	3,893	1,301,294	67,048,603	44,382,406	22,666,197

PROJECT TOTALS	7,202,513	168,454,866	3,893	1,303,939	169,758,805	96,014,640	73,744,165
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REVENUES & FUNDING	Current Month	Fiscal Year
Agency Contribution	-	-
DSRSD	-	-
EBMUD	-	-
Pleasanton	-	-
Agency Reimbursements - DSRSD	-	-
Agency Reimbursements - EBUD	169,889	169,889
Commercial Paper Issued	-	-
Pleasanton payments	62,396	348,463
Interest / Contracts	5,252	8,904
Misc Income	-	-
TOTAL REVENUES & FUNDING	237,537	527,256

	Current Month	Fiscal Year
CASH AVAILABLE		
Beginning Cash	1,627,872	1,805,280
Beg. Balance Adj (Prior Year Accruals)	-	832,919
Rounding	-	-
Total Revenues & Funding	237,537	527,256
Total Expenditures	(3,893)	(1,303,939)
Ending Cash	1,861,516	1,861,516

Prepared by **Houck, Matt** Digitally signed by Houck, Matt
Date: 2023.02.14 13:47:16 -08'00'
 Matt Houck Date

Reviewed by **Yenny Coburn** Digitally signed by Yenny Coburn
Date: 2023.02.14 13:47:16 -08'00'
 Yenny Coburn Date

Approved by **Hsieh, Winsun** Digitally signed by Hsieh, Winsun
Date: 2023.02.15 13:37:21 -08'00'
 Winsun Hsieh Date

DERWA CASH REPORT

Cash Balance as of 12/31/22 1,627,871.70 Reconciled to DERWA TR

Add member agency's contribution:

Agency Reimbursements - DSRSD	0.00
Agency Reimbursements - EBMUD	169,888.57
City of Pleasanton Payments	62,395.77
Interest Income	5,251.86
Other Reimbursements- Misc	0.00

Less invoice payments:

BARRETT BUSINESS SERVICES INC	1/6/2023	(495.01)
LANCE SOLL & LUNGHARD LLP	1/25/2023	(534.00)
BARRETT BUSINESS SERVICES INC	1/25/2023	(429.01)
BARRETT BUSINESS SERVICES INC	1/25/2023	(594.01)
BARRETT BUSINESS SERVICES INC	1/25/2023	(297.00)
EBMUD	1/25/2023	(1,543.34)

Cash Balance as of	01/31/23	1,861,515.53
	Rounding	0.47
	Cash Balance 01/31/23	1,861,516.00

Prepared by	Houck, Matt	<small>Digitally signed by Houck, Matt Date: 2023.02.14 13:47:50 -08'00'</small>
	Matt Houck	Date
Reviewed by	Yenny Coburn	<small>Digitally signed by Yenny Coburn DN: cn=Yenny Coburn, o=Accounting, ou=220, email=yenny.coburn@derwa.com, c=US Date: 2023.02.14 14:06:49 -08'00' Adobe Acrobat version: 2022.009.20314</small>
	Yenny Coburn	Date
Approved by	Hsieh, Winsun	<small>Digitally signed by Hsieh, Winsun Date: 2023.02.15 13:39:06 -08'00'</small>
	Winsun Hsieh	Date

**DSRSD/EBMUD RECYCLED WATER AUTHORITY
TREASURER'S REPORT FOR FEBRUARY 28, 2023**

STAFF REPORT

Attached is the DERWA Treasurer's Report for the month ending February 28, 2023. A summary of transactions and recommendation follows.

Revenues/Funding: During the month, \$17,744 in agency reimbursements were received. Fiscal year-to-date revenue for FY23 totaled \$545,000. No other miscellaneous payments were received this month.

Expenses: Current month disbursements were \$3,416. Fiscal year-to-date expenditures for FY23 total \$1,307,356; of which \$1,304,711 was for operating expenses. Expenditures do not reflect all staff and consultant costs incurred but not yet billed to DERWA in FY23.

Cash: The cash balance at February 28, 2023 was \$1,875,843.

Submitted by:

Richard Lou

Richard Lou
Treasurer

Dated: March 13, 2023

Prepared by Houck, Matt Digitally signed by Houck, Matt
Date: 2023.03.10 10:20:01 -08'00' (M. Houck)

Reviewed by Yenny Coburn Digitally signed by Yenny Coburn
DN: cn=Yenny Coburn, o=Accounting, ou=DSR, email=yenny.coburn@derwa.com, c=US
Serial: 2023.03.14 16:43:25 -07'00'
Address: 2023.03.14 16:43:25 -07'00' (Y. Coburn)

Approved by Hsieh, Winsun Digitally signed by Hsieh, Winsun
Date: 2023.03.14 16:43:25 -07'00' (W. Hsieh)

**DSRSD/EBMUD RECYCLED WATER AUTHORITY
TREASURER'S REPORT
FOR THE PERIOD ENDED FEBRUARY 28, 2023**

CAPITAL - PROJECT	Program Budget @ FY 2023	Expenditures FY 22 and Prior (a)	Expenditures Current Month	Expenditures FY 23 YTD (b)	Expenditures Grand Total (a+b)	DSRSD EXP Grand Total	EBMUD EXP Grand Total
Pipeline Reach 1	-	7,560,517	-	-	7,560,517	4,383,920	3,176,597
Pipeline Reach 2	-	4,558,120	-	-	4,558,120	3,882,264	675,856
Pipeline Reach 3	-	2,286,003	-	-	2,286,003	1,719,204	566,799
Pipeline Reach 4	-	1,614,959	-	-	1,614,959	363,685	1,251,274
Pipeline Reach 5	-	1,430,991	-	-	1,430,991	200,195	1,230,796
Pipeline Reach 6	-	6,759,869	-	-	6,759,869	430,784	6,329,085
Treatment Plant	-	15,732,794	-	-	15,732,794	8,948,843	6,783,951
Pump Stations	-	8,563,294	-	-	8,563,294	6,776,648	1,786,646
Water Tanks	-	12,393,483	-	-	12,393,483	7,221,552	5,171,931
Phase 2 Pipeline & Pump Station	-	3,462,938	-	-	3,462,938	-	3,462,938
Backbone Corrosion	-	1,109,004	-	-	1,109,004	122,302	986,702
SCADA	-	341,726	-	-	341,726	194,784	146,942
EBMUD Pipeline Phase 2, 3 & 4	-	602,193	-	-	602,193	-	602,193
Fine Screening	-	927,811	-	-	927,811	528,852	398,959
New/Replacement Capital <50K	208,000	321,987	-	-	321,987	183,533	138,454
MF/UV Control Programming Update	-	144,366	-	-	144,366	62,289	62,077
Program Planning & Air Relief	-	5,491,623	-	-	5,491,623	2,696,685	2,794,938
Planning Prior Years	-	3,665,330	-	-	3,665,330	1,796,012	1,869,318
Permanent Suppl. Supply	400,000	1,481,442	-	-	1,481,442	859,236	622,206
PSR-1 VFD Replacement	-	-	-	-	-	-	-
Air Relief Valve Rehabilitation/Replacement	45,000	-	-	-	-	-	-
SFUV and MF Operational Analysis	-	41,552	-	2,645	44,197	20,331	23,866
Chlorine Mixer Replacement	42,000	12,622	-	-	12,622	5,806	6,816
SFUV Cable Harness Replacement	68,000	82,672	-	-	82,672	38,029	44,643
UV Lamp Electrical Connector Replacement	50,000	126,635	-	-	126,635	58,252	68,383
HVAC Replacements	76,000	-	-	-	-	-	-
TIPS VFD Upgrades	63,000	-	-	-	-	-	-
MF Membrane Replace	-	698,833	-	-	698,833	335,440	363,393
LVAMWA Connection	-	-	-	-	-	-	-
6th RWTP Sand Filter	-	255	-	-	255	27	228
DWR IRWM- Prop 84 Rd 3 Drought Project	-	16,432	-	-	16,432	8,216	8,216
PSR1 /Recy. Water Treatment Expansion	35,000	15,524,095	-	-	15,524,095	9,814,518	5,709,577
Pleasanton Capital Billing/Contingency	-	5,795,139	-	-	5,795,139	-	5,795,139
Capitalized Interest	-	1,960,872	-	-	1,960,872	960,827	1,000,045
Total Capital Impr. Proj. Element	987,000	102,707,557	-	2,645	102,710,202	51,632,234	51,077,968

OPERATING - ITEM	Program Budget @ FY 2023	Expenditures FY 22 and Prior (a)	Expenditures Current Month	Expenditures FY 23 YTD (b)	Expenditures Grand Total (a+b)	DSRSD EXP Grand Total	EBMUD EXP Grand Total
DERWA Program Manager	245,000	3,942,071	2,315	40,705	3,982,776	2,854,139	1,128,637
Treasurer	100,000	3,009,894	-	17,808	3,027,702	2,270,776	756,926
Legal Counsel	75,000	545,997	1,101	7,558	553,555	415,166	138,389
Secretary	20,000	254,014	-	4,449	258,463	193,848	64,615
Other	130,000	1,734,329	-	126,127	1,860,456	1,395,342	465,114
Operation and Maintenance Detail	4,000,000	27,649,892	-	1,108,064	28,757,956	21,909,088	6,848,868
Debt Service	1,645,513	28,611,112	-	-	28,611,112	15,346,609	13,264,503
Total Operating Program Element	6,215,513	65,747,309	3,416	1,304,711	67,052,020	44,384,968	22,667,052

PROJECT TOTALS	7,202,513	168,454,866	3,416	1,307,356	169,762,222	96,017,202	73,745,020
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REVENUES & FUNDING	Current Month	Fiscal Year
Agency Contribution	-	-
DSRSD	-	-
EBMUD	-	-
Pleasanton	-	-
Agency Reimbursements - DSRSD	-	-
Agency Reimbursements - EBMUD	-	169,889
Commercial Paper Issued	-	-
Pleasanton payments	17,744	366,207
Interest / Contracts	-	8,904
Misc Income	-	-
TOTAL REVENUES & FUNDING	17,744	545,000

CASH AVAILABLE	Current Month	Fiscal Year
Beginning Cash	1,861,515	1,805,280
Beg. Balance Adj (Prior Year Accruals)	-	832,919
Rounding	-	-
Total Revenues & Funding	17,744	545,000
Total Expenditures	(3,416)	(1,307,356)
Ending Cash	1,875,843	1,875,843

Prepared by Houck, Matt Digitally signed by Houck, Matt
Date: 2023.03.10 10:20:52 -08'00'
Date

Reviewed by Yenny Coburn
Yenny Coburn Date

Approved by Hsieh, Winsun Digitally signed by Hsieh, Winsun
Date: 2023.03.14 17:15:52 -07'00'
Date

**DSRSD/EBMUD RECYCLED WATER AUTHORITY
SUMMARY OF EXPENDITURES
FOR THE PERIOD ENDED
February 28, 2023**

Check Date	Check Number	Payee	Category	TOTAL Amount	DSRSD Amount	EBMUD Amount		Operating	Capital
02/10/23	200024747	DOWNEY BRAND, LLP	Op-Derwa Legal Counsel (67/33)	1,101.00	737.67	363.33	○	1,101.00	0.00
02/10/23	200024700	BARRETT BUSINESS SERVICES INC	Op-Prg Manager-Staff (67/33)	363.01	243.22	119.79	○	363.01	0.00
02/10/23	200024700	BARRETT BUSINESS SERVICES INC	Op-Prg Manager-Staff (67/33)	660.01	442.21	217.80	○	660.01	0.00
02/10/23	200024825	SHU-JAN RAE LEE	Op-Prg Manager-Expenses (67/33)	137.30	91.99	45.31	○	137.30	0.00
02/10/23	200024700	BARRETT BUSINESS SERVICES INC	Op-Prg Manager-Staff (67/33)	693.01	464.32	228.69	○	693.01	0.00
02/24/23	200025422	BARRETT BUSINESS SERVICES INC	Op-Prg Manager-Staff (67/33)	462.01	309.55	152.46	○	462.01	0.00
				-	-	-		0.00	0.00
				-	-	-		0.00	0.00
				-	-	-		0.00	0.00
				-	-	-		0.00	0.00
				3,416.34	2,288.96	1,127.38		3,416.34	0.00

Certificates of Disb.	
Wk Ending	Amount
2023/02/10	\$ 2,954.33
2023/02/24	\$ 462.01
	\$ 3,416.34

	Pleasanton-	-	
	OP	3,416.34	
	CAP	-	

	0.00 Reconciled	
	0.00 Reconciled	
	0.00 Reconciled	
	0.00 Reconciled	

Prepared by Houck, Matt Digitally signed by Houck, Matt
Date: 2023.03.10 10:21:13 -08'00'

Matt Houck Date

Reviewed by Yenny Coburn Digitally signed by Yenny Coburn
DN: cn=Yenny Coburn, ou=Accounting, ou=220, email=yenny.coburn@ebmud.com, c=US
Date: 2023.03.14 10:33:40 -07'00'
Adobe Acrobat version: 2022.003.20322

Yenny Coburn Date

Approved by Hsieh, Winsun Digitally signed by Hsieh, Winsun
Date: 2023.03.14 16:45:50 -07'00'

Winsun Hsieh Date

DERWA CASH REPORT

Cash Balance as of 01/31/23 1,861,515.53 Reconciled to DERWA TR

Add member agency's contribution:

Agency Reimbursements - DSRSD	0.00
Agency Reimbursements - EBMUD	0.00
City of Pleasanton Payments	17,744.29
Interest Income	0.00
Other Reimbursements- Misc	0.00

Less invoice payments:

DOWNEY BRAND, LLP	2/10/2023	(1,101.00)
BARRETT BUSINESS SERVICES INC	2/10/2023	(363.01)
BARRETT BUSINESS SERVICES INC	2/10/2023	(660.01)
SHU-JAN RAE LEE	2/10/2023	(137.30)
BARRETT BUSINESS SERVICES INC	2/10/2023	(693.01)
BARRETT BUSINESS SERVICES INC	2/24/2023	(462.01)

Cash Balance as of	02/28/23	1,875,843.48
	Rounding	(0.48)
	Cash Balance 02/28/23	1,875,843.00

Prepared by	Houck, Matt	Digitally signed by Houck, Matt Date: 2023.03.10 10:21:34 -08'00'	
	Matt Houck	Date	
Reviewed by	Yenny Coburn	Digitally signed by Yenny Coburn DN: cn=Yenny Coburn, o=Accounting, ou=220, email=yenny.coburn@ebmud.com, c=US Date: 2023.03.14 10:32:39 -07'00' Adobe Acrobat version: 2022.003.20322	
	Yenny Coburn	Date	
Approved by	Hsieh, Winsun	Digitally signed by Hsieh, Winsun Date: 2023.03.14 16:46:59 -07'00'	
	Winsun Hsieh	Date	

DERWA Summary & Recommendation

Approve Task Order No. 20 for Fiscal Year 2023-24 for Public Information Services with ICF Jones & Stokes, Inc.

Summary:

A component of DERWA program management includes public information efforts. The program activities consist of updating informational materials, website maintenance, and coordination of an annual communications roundtable exercise for DERWA, EBMUD, DSRSD, and the City of Pleasanton. These activities have been provided by ICF Jones & Stokes, Inc. since 2002 through a professional services agreement and associated annual task orders.

Proposed Task Order No. 20 would continue ICF Jones & Stokes, Inc. support for public information and agency outreach activities from July 1, 2023, through June 30, 2024. The estimated cost of the work for Task Order No. 20 is \$40,000.

The largest expense in the proposed task order is the communications roundtable exercise. Due to the COVID-19 pandemic, a communications roundtable activity has not been held for the last two years. Proposed Task Order No. 20 includes the communications roundtable exercise, tentatively planned for the spring of 2024. Funding for the task order is included in the proposed Fiscal Year 2023-2024 Operating Budget.

Recommendation:

The Authority Manager recommends the DERWA Board of Directors approve, by Motion, Task Order No. 20 to Professional Services Agreement A08-03, dated August 18, 2008, with ICF Jones & Stokes Inc. for the period July 1, 2023, through June 30, 2024, in an amount not to exceed \$40,000.

April 24, 2023

Item 7.A

DERWA Summary & Recommendation

Approve Proclamation for Marisol Rubio's Service on the DERWA Board of Directors

Summary:

Director Marisol Rubio departed the DERWA Board upon resignation of her seat on the Dublin San Ramon Services District Board of Directors in December 2022, after being elected as a councilmember for the City of San Ramon. She served as a DERWA Boardmember in 2021 and 2022, serving as Vice Chair and Chair, respectively, making significant contributions to the success of DERWA.

Recommendation:

The Authority Manager recommends the DERWA Board of Directors approve, by Motion, the Proclamation of Appreciation for Service to DERWA by Marisol Rubio.

April 24, 2023

Attachment

1. Proclamation

DERWA PROCLAMATION FOR SERVICE

WHEREAS, the Dublin San Ramon Services District•East Bay Municipal Utility District Recycled Water Authority (DERWA) was formed by its Member Agencies to implement a recycled water program from a public policy perspective that benefits portions of the San Ramon and Livermore-Amador Valleys; and

WHEREAS, the Members of the DERWA Board of Directors have diligently worked to achieve the mission of providing a cost-effective, dependable, and consistent supply of recycled water to the communities served by Dublin San Ramon Services District (DSRSD) and East Bay Municipal Utility District (EBMUD); and

WHEREAS, Marisol Rubio has contributed to the further development of this partnership and has remained a committed and staunch supporter of DERWA; and

WHEREAS, Marisol Rubio has championed innovation and responsible stewardship regarding recycled water supply and reliability; and

WHEREAS, Marisol Rubio has provided invaluable advocacy and meaningful engagement through the cultivation of relationships with Tri-Valley partners such as the City of Dublin, City of San Ramon, Central Contra Costa Sanitary District, and Zone 7 Water Agency; and

WHEREAS, Marisol Rubio supported development and execution of the 2022 Interim Agreement Related to the Supply and Sale of Recycled Water with DSRSD and EBMUD, to allow the DERWA partners to pause and re-evaluate program demands and demand management, monitor regulations, monitor key supply efforts, review wastewater flow trends, and track water recycling initiatives; and

WHEREAS, Marisol Rubio presided over DERWA's 2022 transition of the Authority Manager position from consultancy back to a partner agency leadership model; and

WHEREAS, Marisol Rubio, representing DSRSD, provided steady leadership as DERWA Vice Chair in 2021 and Chair in 2022, guiding the DERWA Board through virtual meetings during the COVID-19 pandemic, and supporting streamlining measures regarding DERWA's Board meeting schedule and other administrative efficiencies; and

WHEREAS, Marisol Rubio has earned the esteem and friendship of all who have collaborated with her; and

NOW, THEREFORE, BE IT PROCLAIMED that the Board of Directors of the Dublin San Ramon Services District•East Bay Municipal Utility District Recycled Water Authority hereby expresses its sincere appreciation for the contributions of

Marisol Rubio

Passed and adopted the 24th day of April 2023 by the DSRSD•EBMUD Recycled Water Authority Board of Directors.

John A. Coleman
Chair

Georgan M. Vonheeder-Leopold
Vice Chair

April Chan
Director

Ann Marie Johnson
Director

Nicole M. Genzale, CMC
Authority Secretary

Item 7.B

DERWA Summary & Recommendation

Approve and Establish the Location, Time, and Place of Regular DERWA Board Meetings and Rescind Resolution No. 22-6

Summary:

Per Resolution No. 22-6, DERWA holds its Board of Directors meetings at the Dublin San Ramon Services District, District Office, located at 7051 Dublin Boulevard, Dublin, CA 94568, at 6 p.m. on the fourth Monday in January, April, and September.

The DERWA Board adopted Resolution No. 22-6 on May 16, 2022, to reestablish its meeting location at the Dublin San Ramon Services District, District Office, and to reduce the number of regular DERWA Board meetings from six to three meetings per year, saving staff time and maximizing work processes.

On January 30, 2023, the Authority Manager discussed holding the first DERWA Board meeting each calendar year in February and increasing the number of DERWA regular Board meetings from three to four meetings per year, to better align with the timing of matters that must be considered by the Board.

This item establishes the Board shall hold DERWA's regular meetings on the first Monday in February, fourth Monday in April and September, and the second Monday in December of each year at the Dublin San Ramon Services District, District Office, with a start time of 6 p.m.

Recommendation:

The Authority Manager recommends the DERWA Board of Directors approve, by Resolution, that DERWA shall hold its regular meetings on the first Monday in February, fourth Monday in April and September, and the second Monday in December of each year at 6 p.m. at the Dublin San Ramon Services District, District Office, 7051 Dublin Boulevard, Dublin, California 94568, and rescind Resolution No. 22-6.

April 24, 2023

Attachment

1. DERWA Resolution 23-1

DERWA
RESOLUTION NO. 23-1

RESOLUTION OF THE BOARD OF DIRECTORS OF THE DSRSD•EBMUD RECYCLED WATER AUTHORITY ESTABLISHING THE DATE, TIME, AND PLACE AT WHICH REGULAR MEETINGS OF THE AUTHORITY BOARD OF DIRECTORS SHALL BE HELD AND RESCINDING RESOLUTION NO. 22-6

WHEREAS, the DSRSD•EBMUD Recycled Water Authority ("Authority") requires regular meetings to conduct the business of the Authority; and

WHEREAS, the Joint Exercise of Powers Agreement, upon which the Authority is organized, requires the Authority to determine the frequency of regular meetings and specify by resolution the date, time, and place at which regular meetings shall be held; and

WHEREAS, the DERWA Board adopted Resolution No. 22-6 on May 16, 2022, which rescinded Resolution No. 20-2. Resolution 22-6 decreased the number of regular Board meetings from six to three annually, and reestablished the time and place for regular meetings of the DERWA Board on the fourth Monday in January, April, and September at 6 p.m. at the Dublin San Ramon Services District's, District Office; and

WHEREAS, the DERWA Board desires to hold the first DERWA Board meeting each calendar year in February and to increase the number of DERWA's regular Board meetings from three to four meetings annually, to better align with the timing of matters that need to be considered by the Board.

NOW, THEREFORE, the Board of Directors of the DSRSD•EBMUD Recycled Water Authority, a Joint Powers Authority, located in the Counties of Alameda and Contra Costa, California, hereby resolves as follows:

1. The regular meetings of the Board of Directors shall be held on the first Monday in February, fourth Monday in April and September, and the second Monday in December, at 6 p.m. at the Dublin San Ramon Services District, District Office, 7051 Dublin Boulevard, Dublin, California 94568 commencing April 2023, and continuing until this resolution is rescinded.
2. Resolution No. 22-6 attached as Exhibit "A," is hereby rescinded.

DERWA
Res. No. 23-1

ADOPTED by the Board of Directors of the DSRSD•EBMUD Recycled Water Authority, a Joint Powers Authority, located in the Counties of Alameda and Contra Costa, California, at its Regular Meeting held on the 24th day of April 2023, and passed by the following vote:

AYES:

NOES:

ABSENT:

John Coleman, DERWA Chair

ATTEST: _____
Nicole Genzale, Authority Secretary

DERWA
RESOLUTION NO. 22-6

RESOLUTION OF THE BOARD OF DIRECTORS OF THE DSRSD•EBMUD RECYCLED WATER AUTHORITY ESTABLISHING THE DATE, TIME, AND PLACE AT WHICH REGULAR MEETINGS OF THE AUTHORITY BOARD OF DIRECTORS SHALL BE HELD AND RESCINDING RESOLUTION NO. 20-2

WHEREAS, the DSRSD•EBMUD Recycled Water Authority ("Authority") requires regular meetings to conduct the business of the Authority; and

WHEREAS, the Joint Exercise of Powers Agreement, upon which the Authority is organized, requires the Authority to determine the frequency of regular meetings and specify by resolution the date, time, and place at which regular meetings shall be held; and

WHEREAS, the DERWA Board adopted Resolution No. 20-2 on May 18, 2020, which rescinded Resolution No. 19-1 and reestablished the time and place for regular meetings of the DERWA Board on the first Monday in February, the third Monday in May, and the fourth Mondays in March, July, September, and November at 6 p.m. at the Dublin San Ramon Services District's (DSRSD) District Office after necessary repairs caused by a fire service line leak on November 11, 2018 were completed and the DSRSD Boardroom was declared safe; and

WHEREAS, the DERWA Board desires to reduce the number of DERWA's regular Board meetings from six to three meetings annually, as a reduction in the frequency of scheduled meetings will save staff time and maximize work processes.

NOW, THEREFORE, the Board of Directors of the DSRSD•EBMUD Recycled Water Authority, a Joint Powers Authority, located in the Counties of Alameda and Contra Costa, California, hereby resolves as follows:

1. The regular meetings of the Board of Directors shall be held on the fourth Monday in January, April, and September, at 6 p.m. at the Dublin San Ramon Services District, 7051 Dublin Boulevard, Dublin, California 94568 commencing May 2022, and continuing until this resolution is rescinded.

2. Resolution No. 20-2 attached as Exhibit "A," is hereby rescinded.

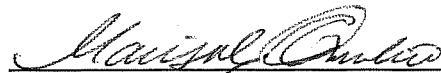
DERWA
Res. No. 22-6

ADOPTED by the Board of Directors of the DSRSD•EBMUD Recycled Water Authority, a Joint Powers Authority, located in the Counties of Alameda and Contra Costa, California, at its Regular Meeting held on the 16th day of May 2022, and passed by the following vote:

AYES: 4 – Directors Mellon, Coleman, Johnson, Rubio


NOES: 0

ABSENT: 0



Marisol Rubio, DERWA Chair

ATTEST:


Nicole Genzale, District Secretary

Item 7.C

DERWA Summary & Recommendation

Authorize the Authority Manager to Enter into an Agreement with Dublin San Ramon Services District to Prepare a DERWA Facilities Energy Evaluation

Summary:

At the January 30, 2023, DERWA Board meeting, staff presented a preview of the Fiscal Year Ending 2024 Operating Budget and highlighted the continuing trend in rising energy costs. Energy accounts for approximately 30 percent of the costs to operate and maintain the DERWA Program Facilities. DERWA's energy budget for Fiscal Year Ending 2023 is approximately \$1.2 million and based on data related to projected rate increases from Pacific Gas & Electric (PG&E), Dublin San Ramon Services District (DSRSD) has included a 30 percent increase in energy costs for Fiscal Year Ending 2024 in the proposed DERWA Operating Budget.

DSRSD is currently preparing a comprehensive Energy Master Plan, which will evaluate energy usage for DSRSD's water and wastewater facilities and develop a long-term strategy for improving energy efficiency and reliability for DSRSD. At DERWA's request, DSRSD has asked its consultant, Carollo Engineers, for a proposal to prepare a DERWA Facilities Energy Evaluation. The scope of work would include summarizing DERWA energy demands and current sources of energy, evaluating the reliability and resiliency of the DERWA facilities, and identifying alternative sources of energy and opportunities to reduce energy demands. The results from the study would be used by DERWA to evaluate whether there are cost-effective energy projects that DERWA could consider implementing to control long-term energy costs.

The 2003 Agreement for the Sale of Water by DERWA to DSRSD and East Bay Municipal Utility District (EBMUD) (Article I.E.) states "In order to carry out its responsibilities hereunder, DERWA may from time to time enter into one or more Service Level Agreements with one or both of the Member Agencies to accomplish the necessary work to implement the DERWA Program." The DERWA Authority Manager is requesting the Board authorize the Authority Manager to enter into an agreement with DSRSD to prepare a DERWA Facilities Energy Evaluation.

The project budget is \$56,372 and will be funded from the Fiscal Years Ending 2023 and 2024 Operating Budgets. The project is anticipated to take three months.

Recommendation:

The Authority Manager recommends the DERWA Board of Directors authorize, by Motion, the Authority Manager to enter into an agreement with Dublin San Ramon Services District to prepare a DERWA Facilities Energy Evaluation.

April 24, 2023

Attachment

1. Services Agreement

SERVICES AGREEMENT

**Dublin San Ramon Services District - East Bay Municipal Utility District
Recycled Water Authority (DERWA)
Facilities Energy Evaluation**

This Services Agreement (“Agreement”) is made and entered into and shall become effective on this ____ day of _____, 2023, and specifies the terms and conditions for the Dublin San Ramon Services District (“DSRSD”), to prepare a Facilities Energy Evaluation for the benefit of the Dublin San Ramon Services District - East Bay Municipal Utility District Recycled Water Authority (“DERWA”).

WHEREAS

On June 28, 1995, as amended on December 21, 1995, DSRSD and EBMUD entered into an agreement to form DERWA, a Joint Powers Authority in Alameda and Contra Costa Counties, for the purpose of implementing the DERWA Recycled Water Program; and

On July 28, 2003, DERWA, DSRSD, and East Bay Municipal Utility District (EBMUD) executed the Agreement for the Sale of Water (Water Sales Agreement) setting forth the conditions for the supply and sale of recycled water between DERWA, EBMUD, and DSRSD; and

On May 23, 2005, DERWA, DSRSD, and EBMUD executed an Operations Agreement setting forth the conditions under which DSRSD agreed to operate and maintain the DERWA Program Facilities; and

Energy costs account for approximately 30 percent of the budget to operate and maintain the DERWA Program Facilities and DSRSD is projecting significant increases in energy costs based on projected rate increases from Pacific Gas & Electric (PG&E); and

DERWA desires to conduct an energy evaluation of DERWA facilities to assess current energy needs, evaluate DERWA’s energy reliability and resiliency to power interruptions, and identify potential sources of energy and opportunities to reduce energy demands; and

The Water Sales Agreement Article I.E., DERWA Program Facilities states, "In order to carry out its responsibilities hereunder, DERWA may from time to time enter into one or more Service Level Agreements with one or both of the Member Agencies to accomplish the necessary work to implement the DERWA Program;" and

On January 24, 2022, DSRSD entered into a contract with Carollo Engineers to prepare a comprehensive Energy Facilities Master Plan for DSRSD water and wastewater facilities; and

In order to conduct an energy evaluation of the DERWA facilities, DSRSD has requested and received a proposal from Carollo Engineers to prepare the DERWA Facilities Energy Evaluation (“Project”) as an additional task to the DSRSD Energy Facilities Master Plan.

NOW, THEREFORE, it is hereby agreed by DERWA and DSRSD that DSRSD shall complete said Project on behalf of DERWA, as set forth in greater detail herein:

SCOPE OF SERVICES

DSRSD will be responsible for the project management of all aspects of the Project, including contracting with Carollo Engineers to perform the work generally described as follows:

TASK 1 — Summarize DERWA Energy Demands and Sources of Energy

Prepare a summary of DERWA facilities energy demand and supply, including both the recycled water treatment facility and recycled water transmission system, and summarize the energy efficiency efforts undertaken by DERWA in recent years.

TASK 2 — Evaluate DERWA Energy Reliability and Resiliency

The DERWA facilities currently have no standby or backup power supply. Therefore, during utility power outages, it is not possible to move water into reservoirs, recycled water production is lost, and the facilities are generally not functional. As utility power outages have become more frequent and of longer duration, this could impact DERWA's ability to meet recycled water demands. Task 2 will evaluate options for improving DERWA's energy reliability and resiliency. Options could include standby power supplies such as emergency standby generators and temporary generator hookup provisions.

TASK 3 — Evaluate Potential Options to Reduce Energy Demands

The largest DERWA energy demands are ultraviolet disinfection at the recycled water treatment facility and pumping to the DERWA transmission system. Energy efficiency upgrades were made to the ultraviolet disinfection system as part of the DERWA Recycled Water Treatment Facilities Phase 2 Expansion and will be assessed as part of Task 1. Carollo Engineers will evaluate energy savings opportunities for the recycled water transmission system by analyzing the performance of distribution system pumps. This information can then be used to prioritize pump replacement to increase energy efficiency.

TASK 4 — Identify Potential Partnering Opportunities on Energy Projects

Identify potential conceptual opportunities for partnerships between DERWA, DSRSD, and EBMUD on energy projects. Such opportunities may include:

- 1) Cost sharing for the acquisition of infrastructure for energy production and agreements for the use of energy produced from such infrastructure.
- 2) Agreements on the purchase of renewable energy produced by DSRSD or DERWA.
- 3) Agreements for the use of land owned by DSRSD or EBMUD for photovoltaic installations and energy production by DERWA.

TASK 5 — Prepare Technical Memorandum

Prepare a draft and final technical memorandum summarizing the findings of Tasks 1 – 4.

INVOICING

DSRSD shall provide itemized monthly invoices to DERWA. DERWA shall pay DSRSD for all services to be performed by DSRSD pursuant to this Agreement. Compensation and reimbursement of expenses shall be payable promptly upon receipt of the monthly billing by DSRSD to DERWA.

BUDGET

The Project budget is shown in Exhibit A. DSRSD shall monitor expenditures and be responsible for taking all reasonable and prudent actions to keep the Project within budget.

SCHEDULE

The Project will be completed within three months of DSRSD issuing the Notice to Proceed to Carollo Engineers.

GENERAL TERMS

Dispute Resolution

In the event that a dispute arises over the administration of this Agreement, the provisions of the Water Sales Agreement Article VI, DISPUTE RESOLUTION, shall be followed.

IN WITNESS WHEREOF, the parties hereto each herewith subscribe the same in duplicate.

**DUBLIN SAN RAMON SERVICES DISTRICT - EAST BAY MUNICIPAL UTILITY DISTRICT
RECYCLED WATER AUTHORITY (DERWA)**

By: _____
Jan Lee, Authority Manager

Date: _____

DUBLIN SAN RAMON SERVICES DISTRICT (DSRSD)

By: _____
Daniel McIntyre, General Manager

Date: _____

EXHIBIT A

DERWA Facilities Energy Evaluation – Estimated Budget

Task	Consultant (a)	DSRSD	Total
1. Summarize DERWA Energy Demands and Sources of Energy	\$6,710	\$1,200	\$7,910
2. Evaluate DERWA Energy Reliability and Resiliency	\$14,559	\$1,200	\$15,759
3. Evaluate Potential Options to Reduce Energy Demands	\$8,857	\$1,200	\$10,057
4. Identify Potential Partnering Opportunities on Energy Projects	\$6,527	\$1,200	\$7,727
5. Prepare Technical Memorandum	\$12,919	\$2,000	\$14,919
Total Budget	\$49,572	\$6,800	\$56,372

(a) Based on Carollo Engineers proposal, 3/31/23.

DERWA Summary & Recommendation

Approve and Adopt the Fiscal Year 2023-2024 Operating and Capital Budget

Summary:

The DERWA Joint Exercise of Powers Agreement (JPA) provides that the Authority must adopt an annual fiscal year budget showing expenditures and means of financing such expenditures. A preliminary draft budget was discussed with the DERWA Board of Directors at the January 30, 2023, DERWA Board meeting.

The Fiscal Year (FY) 2023-2024 proposed operating budget is \$7.895 million, an increase of \$1.690 million (27%) over the adopted FY 2022-2023 operating budget of \$6.204 million. Recycled water deliveries for FY 2023-2024 are projected to be approximately 5,605 acre-feet. The proposed DERWA operating budget includes DSRSD's FY 2023-2024 budget of \$5.725 million for the operations and maintenance of the DERWA facilities, an increase of approximately \$1.736 million (44%) over the adopted FY 2022-2023 DSRSD operations and maintenance budget. Generally, the increases in the DSRSD's operations and maintenance budget are attributable to:

- **Backwash Treatment:** The cost to treat recycled water filter backwash streams discharged to the DSRSD wastewater treatment plant is projected to increase by an estimated \$1.3 million, from \$100,000 to \$1,400,000. The increase in cost takes into account projected DSRSD wastewater treatment rates, the addition of the ballasted flocculation treatment system, and the significant increase in recycled water production that has occurred since DERWA operations began in 2006. DERWA and DSRSD are currently studying potential options to reduce the volume and/or strength of the filter backwash stream to mitigate the anticipated increase in treatment cost. This effort is consistent with the 2005 DERWA-DSRSD Operations Agreement, which identified the need to develop a future project to reduce the costs of treating the filter backwash streams.
- **Energy:** Based on data related to projected rate increases from Pacific Gas & Electric (PG&E), a 30% increase has been included in the proposed FY 2023-2024 budget for energy costs. This represents an increase of \$350,000 from the previous fiscal year.
- **Labor:** The labor portion of the operations budget includes a \$152,000 increase (11%) from the current fiscal year to reflect fully burdened labor rates and increased maintenance requirements.

Agency contributions plus estimated revenue from water sales to the City of Pleasanton will cover the \$7.895 million budget for the operations and administrative expenses, and the debt service payments. The FY 2023-2024 budget for the state loan repayment is \$1.646 million.

The capital expenditure for FY 2023-2024 is \$1.590 million. Total capital appropriations are proposed to increase from \$106.827 to \$107.984 million, an increase of \$1.157 million, to fund the projects in the FY 2023-2024 capital plan. Capital appropriations include prior capital spending, estimated FY 2022-2023 capital expenditures, and proposed FY 2023-2024 expenditures. Previously approved future appropriations have been utilized and adjusted accordingly. Capital projects continuing from the Fiscal Year 2022-2023 budget are the Permanent Supplemental Water Supply, New/Replacement Capital <\$50K, Tertiary Influent Pump Station (TIPS) Variable Frequency Drives Upgrade, Air Relief Valve Rehabilitation/Replacements, SFUV Cable Harness Replacement, UV Lamp Electrical Connector Replacements, and HVAC Replacements.

The required contribution for operations from the Member Agencies will be based on the projected water sales for FY 2022-2023, currently projected at 68.65% DSRSD and 31.35% EBMUD. Pleasanton will continue to pay a per acre-foot charge for water delivered. The required contributions for the state loan repayment will be based on the allocation of capital facilities.

For DSRSD, the estimated FY 2023-2024 contribution is \$4.429 million for the operating budget and \$0.770 million for the capital budget; for EBMUD the estimated contribution is \$2.481 million for the operating budget and \$0.607 million for the capital budget; for City of Pleasanton the estimated payments for recycled water deliveries are \$0.985 million. The DERWA Treasurer and Member Agencies have reviewed the proposed budget.

Recommendation:

The Authority Manager and Treasurer recommend the DERWA Board of Directors approve, by Resolution, the DERWA Fiscal Year 2023-2024 Operating and Capital Budget.

April 24, 2023

Attachment

1. DERWA Resolution No. 23-2

DERWA
RESOLUTION NO. 23-2

RESOLUTION OF THE BOARD OF DIRECTORS OF THE DUBLIN SAN RAMON SERVICES DISTRICT EAST BAY MUNICIPAL UTILITY DISTRICT RECYCLED WATER AUTHORITY APPROVING AND ADOPTING THE FISCAL YEAR 2023-2024 OPERATING AND CAPITAL BUDGET

WHEREAS, the Joint Exercise of Powers Agreement under which Dublin San Ramon Services District East Bay Municipal Utility District Recycled Water Authority (DERWA) was formed provides that on or before April 30 of each year, the Authority's Board of Directors must adopt an annual budget for the following fiscal year showing proposed expenditures and the proposed means of financing such expenditures; and

WHEREAS, the DERWA Treasurer and the Member Agencies have reviewed, and the Authority Manager has recommended, a proposed Operating and Capital Budget for Fiscal Year (FY) 2023-2024; and presented the proposed budget at the April 24, 2023, DERWA Board Meeting; and

WHEREAS, the Board of Directors has considered all the oral and written information presented.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the DERWA, a Joint Powers Authority, located in the Counties of Alameda and Contra Costa, California, as follows:

1. An operating budget appropriation totaling \$7.895 million is hereby approved and adopted for FY 2023-2024 as presented in "Attachment A".
2. The capital budget appropriation is increased from \$106.827 million to \$107.984 million as presented in "Attachment A". Adjustments between projects shall be subject to the same limits established by DERWA accounting and control procedures for expenditures. For the operating budget, appropriations are made by work element.
3. In order to provide for completion of work on projects authorized but not completed as of the close of the fiscal year, balances remaining at the close of FY 2023-2024 are hereby appropriated for expenditure in the subsequent fiscal year, in addition to the applicable fiscal year appropriations for capital and operating expenditures.
4. The Source of Funds for the capital and operating expenditures for FY 2023-2024 shall be from Member Agency contributions, payments made by City of Pleasanton in accordance with the January 7, 2014 Agreement to Provide Recycled Water Services by and between DERWA and the City of Pleasanton, state and federal grants or loans, and/or

borrowed sources such as but not limited to commercial paper as prudently determined by the DERWA Treasurer.

5. After consideration of DERWA reserves and working fund balances as required under Article 13 of the Joint Powers Agreement and given the Source of Funds as described in paragraph 4 above, the capital and operating expenditure budget projects a revenue shortfall.
6. In accordance with Article 18 of the Joint Powers Agreement, a series of demands shall be made of the Member Agencies for funds equal to the revenue shortfall as determined by the percentages in the Water Sales Agreement.
7. All expenditures shall be authorized, and revenue shall be collected in accordance with DERWA's adopted Accounting Control Procedures.
8. The Treasurer shall analyze cash flow needs and invoice Member Agencies as needed to maintain a prudent and sufficient working capital balance for DERWA.
9. EBMUD and DSRSD shall share in the expense for the operations and maintenance of the DERWA facilities based on their proportion of actual water deliveries.
10. All expenditures in FY 2023-2024, except those listed in the operating budget, are capital expenditures.

ADOPTED by the Board of Directors of the DERWA Recycled Water Authority, a Joint Powers Authority, located in the Counties of Alameda and Contra Costa, California, at its Regular Meeting held on the 24th day of April 2023, and passed by the following vote:

AYES:

NOES:

ABSENT:

John A. Coleman, DERWA Chair

ATTEST

Nicole M. Genzale, Authority Secretary



**Dublin San Ramon
Services District**

Water, wastewater, recycled water



**Dublin San Ramon Services District
East Bay Municipal Utility District
Recycled Water Authority
(DERWA)**

**OPERATING AND CAPITAL BUDGET
FISCAL YEAR 2023-2024**

April 24, 2023

**DERWA OPERATING AND CAPITAL BUDGET
FISCAL YEAR 2023-2024**

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DERWA PROGRAM BUDGET FY24

Table 1
Appropriations (\$000's)

	Prior Appr	FY24 Appr
Capital Appropriations	106,827	1,157
Operating Appropriations	79,993	7,895

Table 2
Capital Program
Cash Flow (\$000's)

	Prior Spending	Estimated FY23	Proposed FY24	Future	Total
Completed Projects	98,313				98,313
Continuing Projects	1,804	610	1,590	2,467	6,471
Capitalized Interest during construction	2,200				2,200
Contingency				1,000	1,000
Total	102,317	610	1,590	3,467	107,984

Table 3
Operating Budget (\$000's)

		Estimated FY23 Expenses	Budgeted FY23 Expenses	Proposed FY24 Expenses	Difference
Operating Budget		3,979	4,559	6,249	1,690
Debt Service		1,646	1,646	1,646	0
Total		5,625	6,204	7,895	1,690

DERWA PROGRAM BUDGET FY24

Table 4
DERWA FY24 PROJECTED CONTRIBUTION BY AGENCY

(\$000's)

	Estimated FY23	Projected FY24
CAPITAL		
AGENCY CONTRIBUTION		
DSRSD	297	770
EBMUD	203	607
PLEASANTON CONTR	110	213
STATE LOAN/GRANT		
TOTAL CAPITAL	610	1,590
OPERATING		
AGENCY CONTRIBUTION*		
DSRSD	2,954	4,429
EBMUD	1,736	2,481
PLEASANTON PAYMENT	934	985
TOTAL OPERATING	5,625	7,895

*Agency contributions are calculated based on O&M costs, administrative costs and debt service costs. For FY24, O&M and administrative costs, less payments from Pleasanton are split 68.65% DSRSD/31.35% EBMUD based on the projected water deliveries and will be adjusted at the end of the water year to reflect actual deliveries per Section V.A. of the sales agreement. Debt service costs are split based on the assigned capital to each agency at the time the payments are made.

DERWA PROGRAM BUDGET FY24

OPERATING BUDGET

Table 5

Work Element	FY23 Budget	Estimated FY23 Expenses	Proposed FY24 Budget	Budget Difference
Program Manager	\$ 245,000	\$ 200,000	\$ 245,000	\$ -
Treasurer	100,000	61,000	101,000	1,000
Legal Counsel	75,000	15,000	25,000	(50,000)
Secretary	20,000	15,000	18,000	(2,000)
Other (Insurance)	130,000	126,000	135,000	5,000
Operations	3,988,790	3,562,285	5,725,000	1,736,210
Debt Service	1,645,513	1,645,513	1,645,513	0
Total	6,204,303	5,624,798	7,894,513	1,690,210

DERWA PROGRAM BUDGET FY24

DERWA PROGRAM MANAGER

Table 6

	FY23 Budget	Projected EOY FY23 Expenses	Proposed FY24 Budget
Authority Manager	\$198,000	\$125,000	\$175,000
Staff	10,000	40,000	20,000
Expenses	800	1,000	1,000
DSRSD charges	1,000	0	1,000
Travel	0		0
Office supplies	200		0
Other	5,000	4,000	0
Public Information	20,000	10,000	40,000
Consultant Support	10,000	20,000	8,000
Total	\$ 245,000	\$ 200,000	\$ 245,000

DERWA TREASURER DETAIL

Table 7

	FY23 Budget	Projected EOY FY23 Expenses	Proposed FY24 Budget
Salary	\$25,000	\$15,000	\$30,000
Cost Accounting	65,000	40,000	65,000
Audit	10,000	6,000	6,000
Commerical Paper Fees	-		
TOTAL	100,000	61,000	101,000

DERWA PROGRAM BUDGET FY24

DERWA LEGAL COUNSEL

Table 8

	FY23 Budget	Projected EOY FY23 Expenses	Proposed FY24 Budget
Contract	\$75,000	\$15,000	\$25,000

DERWA SECRETARY DETAIL

Table 9

	FY23 Budget	Projected EOY FY23 Expenses	Proposed FY24 Budget
Salary	\$18,000	\$15,000	\$15,000
Expenses	2,000		3,000
Training	0		
TOTAL	20,000	15,000	18,000

DERWA OTHER DETAIL

Table 10

	FY23 Budget	Projected EOY FY23 Expenses	Proposed FY24 Budget
Insurance	\$130,000	\$126,000	\$135,000
TOTAL	130,000	126,000	135,000

DERWA PROGRAM BUDGET FY24

DERWA OPERATIONS

Table 11

	FY23 Budget	Projected EOY FY23 Expenses	Proposed FY24 Budget
DSRSD Operations			
Labor	\$1,314,730	\$1,195,200	\$1,467,000
Material/Supplies/Services	2,366,410	2,205,315	4,004,500
Contractual Services	252,650	161,770	213,500
CCCSD Supplemental Supply	55,000	-	40,000
TOTAL	3,988,790	3,562,285	5,725,000

DERWA DEBT SERVICE

Table 12

	FY23 Budget	Projected EOY FY23 Expenses	Proposed FY24 Budget
State Loan Payments	\$1,645,513	\$1,645,513	\$1,645,513
TOTAL	1,645,513	1,645,513	1,645,513

Table 13

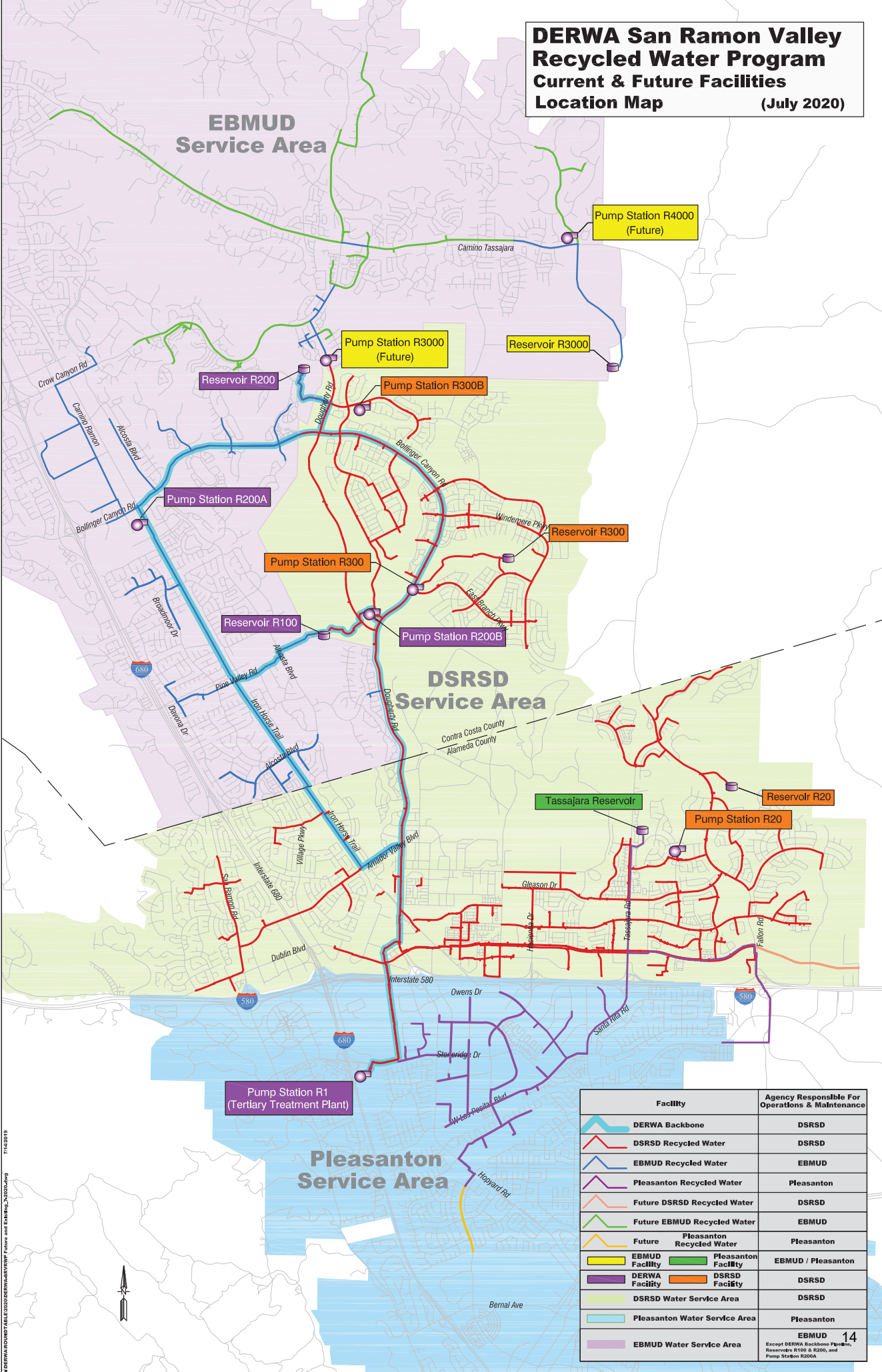
Capital Project Costs and Cost Sharing

(\$000's)

Project	Lead Agency	Total Costs	DSRSD	EBMUD	PLEASANTON
Completed Projects					
Pipelines	DSRSD & EBMUD	\$ 24,211	\$ 10,980	\$ 13,231	
Pump Stations	DSRSD	8,563	6,777	1,786	
Water Tanks	EBMUD	12,393	7,222	5,171	
Treatment Plant	DSRSD	15,733	8,949	6,784	
Backbone Corrosion	DERWA	1,109	122	987	
Fine Screening	DSRSD	927	529	398	
MR/UV Control Upgrade	DSRSD	144	82	62	
EBMUD Distribution	DERWA	602	0	602	
Air Relief	DERWA	72	41	31	
Pump Station Phase 2*	DERWA	3,463	0	3,463	
6th Sand Filter	DSRSD	255	0	0	255
MF Membrane Replace	DSRSD	700	335	251	114
SCADA	DSRSD	341	194	147	
PSR1 VFD Replacement	DSRSD	566	334	142	90
Replacement	DSRSD	251	115	68	68
SFUV/MF Ops Analysis	DSRSD	50	23	14	13
Chlorine Mixer Replace	DSRSD	13	6	4	3
RWTP Expansion	DSRSD	19,589	9,011	5,289	5,289
Studies and Predesigns	DERWA	5,746	2,880	2,866	
Program Planning	DERWA	3,585	1,757	1,828	
Completed Projects Subtotal		98,313	49,357	43,124	5,832
Continuing and New Projects					
<\$50k	DERWA	\$ 1,408	\$ 591	\$ 436	381
Supply	DERWA	3,372	1,956	1,416	
TIPS VRF Upgrade	DSRSD	150	69	41	40
Air Relief Valve Replace	DSRSD	135	68	67	0
SFUV Cable Replace	DSRSD	150	69	41	40
UV Lamp Electrical Con	DSRSD	100	46	27	27
HVAC Replace	DSRSD	76	35	21	20
Backwash Analysis	DSRSD	200	92	54	54
Gate Replacement	DSRSD	300	138	81	81
Pine Vly Cathodic Protect	DSRSD	230	115	115	0
Decomm Microfiltration	DSRSD	50	23	14	13
SCADA Replacement	DSRSD	300	138	81	81
Contingency	DERWA	1,000	333	333	333
Capitalized Interest	DERWA	2,200	1,184	1,016	
Continuing Projects Subtotal		9,671	4,857	3,743	1,070
TOTAL		\$ 107,984	\$ 54,214	\$ 46,867	\$ 6,902
		100%	50.2%	43.4%	6.4%

*Pump Station Phase 2 only contains DERWA local cost share of Corps of Engineers' Project

**DERWA San Ramon Valley
Recycled Water Program
Current & Future Facilities
Location Map** (July 2020)



Facility	Agency Responsible For Operations & Maintenance
DERWA Backbone	DSRSD
DSRSD Recycled Water	DSRSD
EBMUD Recycled Water	EBMUD
Pleasanton Recycled Water	Pleasanton
Future DSRSD Recycled Water	DSRSD
Future EBMUD Recycled Water	EBMUD
Future Pleasanton Recycled Water	Pleasanton
EBMUD Facility	EBMUD / Pleasanton
Pleasanton Facility	EBMUD / Pleasanton
DERWA Facility	DSRSD
DSRSD Facility	DSRSD
DSRSD Water Service Area	DSRSD
Pleasanton Water Service Area	Pleasanton
EBMUD Water Service Area	EBMUD

7/14/2019
G:\DERWA\BMP\VALLEY\GIS\DERWA\Map\Map_Facility_and_Service_Areas_2020.mxd



Except DERWA Backbone Facilities, Reservoirs R100 & R200, and Pump Station R200A.

CONTINUING CAPITAL PROJECTS

PERMANENT SUPPLEMENTAL WATER SUPPLY

NEW/REPLACEMENT CAPITAL <\$50K

TIPS VFD UPGRADES

AIR RELIEF VALVE REHABILITATION

HVAC REPLACEMENTS

SFUV CABLE HARNESS REPLACEMENT

UV LAMP ELECTRICAL CONNECTOR REPLACEMENT

BACKWASH ANALYSIS

GATE REPLACEMENTS

PINE VALLEY TRANSMISSION CATHODIC PROTECTION

DECOMMISSION MICROFILTRATION FACILITY

SCADA REPLACEMENT

CAPITAL PROJECTS COMPLETED in FY23

CHLORINE MIXER REPLACEMENT

Capital Improvement Project Summary

Project: Supplemental Water Supply

Description: This project includes planning, design, and implementation of projects to provide DERWA with supplemental supply needed to address peak month supply shortfalls that could occur during summer months. Current 5-year recycled water demand projections by the participating agencies show the peak month demand will exceed the wastewater flows from DSRSD and Pleasanton. Alternative sources of supply currently under consideration are additional supply from Livermore and/or raw wastewater from Central Contra Costa Sanitary District (CCCSD), and local groundwater. Options to increase storage will also be evaluated, including the current treatment plant holding basins. In Fiscal Year 2024, DERWA will complete the Recycled Water Supply and Operations Plan Update that will evaluate and recommend near-term and long-term projects needed to reliably meet DERWA’s recycled water demands. Fiscal Year 2024 includes budget to continue to develop supplemental supply projects, including permanent storage basin improvements and further exploration groundwater from the Fringe Basin to meet peak demands.

Lead Agency: DERWA
Project Manager: DERWA Authority Manager

Cost Sharing: 58 % DSRSD 42 % EBMUD 0% Pleasanton

Grant/Loan Eligible: 0% Design 0% Construction

In Service Date:
 (\$000)

Supplemental Water Supply

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
Supplemental Supply	DERWA	Planning	271	200	100	378	949
		Design	7	-	-	212	219
		Property	8	-	-	-	8
		Construction	1,176	-	335	556	2067
		Const. Mgmt.	-	-	-	110	110
		Admin	3	-	-	-	3
		Other	16	-	-	-	16
		Total	1481	200	435	1256	3372

Total Project Element Costs: \$3,372,000

Capital Improvement Project Summary

Project: New/Replacement Capital < \$50K

Description: This program runs from Fiscal Year 2011 through Fiscal Year 2028 and provides funding for the acquisition of capital items for the DERWA facilities that cost less than \$50,000 each. Included are new capital items needed for improved reliability and/or efficiency, required by new regulation, and for the replacement or rehabilitation of existing assets that have reached the end of their useful life. Projects for Fiscal Year 2024 include small projects at the replacement projects at the treatment plant and transmission system.

Lead Agency: DERWA
Project Manager: DERWA Authority Manager

Cost Sharing:

Planning	42% DSRSD	31% EBMUD	27% Pleasanton
Design	42% DSRSD	31% EBMUD	27% Pleasanton
Property	42% DSRSD	31% EBMUD	27% Pleasanton
Construction	42% DSRSD	31% EBMUD	27% Pleasanton
Const Mgmt	42% DSRSD	31% EBMUD	27% Pleasanton

Grant/Loan Eligible: 0% Design 0% Construction

In Service Date: FY 2024
 (\$000)

New/Replacement Capital <\$50K

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
New/Replacement Capital <\$50K Each	DERWA	Planning	-	-	-	-	-
		Design	-	-	-	151	151
		Property	-	-	-	-	-
		Construction	323	200	200	511	1,234
		Const. Mgmt.	-	-	-	-	-
		Admin	-	-	-	23	23
		Other	-	-	-	-	-
		Total	323	200	200	685	1,408

Total Project Element Costs: \$1,408,000

Capital Improvement Project Summary

Project: TIPS VFD Upgrades

Description: The existing variable frequency drives (VFDs) for the three original Tertiary Influent Pump Station (TIPS) pumps are 15+ years old and are obsolete. The scope of this project is to upgrade the three VFDs to a newer make and model. While performing the VFD upgrade, the industrial control network will also be upgraded to Ethernet connectivity to allow for ease maintenance and faster recovery from breakdowns. The District will hire a contractor and integrator to perform installation, PLC programming, SCADA configuration, testing, and startup.

Lead Agency: DSRSD/DERWA
Project Manager: DERWA Authority Manager

Cost Sharing:

Planning	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Design	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Property	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Construction	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Const Mgmt	46%	DSRSD	27%	EBMUD	27%	Pleasanton

Grant/Loan Eligible: 0% Design 0% Construction
In Service Date: 2024
 (\$000)

TIPS VFD Upgrades

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
TIPS VFD Upgrades	DERWA	Planning	0	0	0	0	0
		Design	0	0	0	0	0
		Property	0	0	0	0	0
		Construction	0	0	150	0	150
		Const. Mgmt.	0	0	0	0	0
		Admin	0	0	0	0	0
		Other	0	0	0	0	0
		Total			0	0	150

Total Project Element Costs: \$150,000

Capital Improvement Project Summary

Project: Air Relief Valve Rehabilitation/Replacement

Description: A project to service all air relief valves and rehabilitate or replace them if needed. There are sixty-eight air relief valves in the DERWA system. The proposed budget for the project is \$135,000.

Lead Agency: DSRSD/DERWA
Project Manager: DERWA Authority Manager

Cost Sharing:

Planning	40% DSRSD	60% EBMUD
Design	40% DSRSD	60% EBMUD
Property	40% DSRSD	60% EBMUD
Construction	40% DSRSD	60% EBMUD
Const Mgmt	40% DSRSD	60% EBMUD

Grant/Loan Eligible: 0% Design 0% Construction
In Service Date: 2024
(\$000)

TIPS VFD Upgrades

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
Air Relief Valve Rehab/ Replace	DERWA	Planning	0	0	0	0	0
		Design	0	0	0	0	0
		Property	0	0	0	0	0
		Construction	0	0	135	0	135
		Const. Mgmt.	0	0	0	0	0
		Admin	0	0	0	0	0
		Other	0	0	0	0	0
		Total			0	0	135

Total Project Element Costs: \$135,000

Capital Improvement Project Summary

Project: HVAC Replacements

Description: This project will replace the HVAC systems in Buildings M, O, & R. Each of these current systems have reached their useful lives. The cost for Fiscal Year 2025 is \$76,000.

Lead Agency: DSRSD/DERWA
Project Manager: DERWA Authority Manager

Cost Sharing:

Planning	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Design	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Property	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Construction	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Const Mgmt	46%	DSRSD	27%	EBMUD	27%	Pleasanton

Grant/Loan Eligible: 0% Design 0% Construction
In Service Date: 2024
 (\$000)

TIPS VFD Upgrades

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
HVAC Replacement	DERWA	Planning	0	0	0	0	0
		Design	0	0	0	0	0
		Property	0	0	0	0	0
		Construction	0	0	0	76	76
		Const. Mgmt.	0	0	0	0	0
		Admin	0	0	0	0	0
		Other	0	0	0	0	0
		Total	0	0	0	76	76

Total Project Element Costs: \$76,000

Capital Improvement Project Summary

Project: **SFUV Cable Harness Replacement**

Description: The SFUV system has two channels with five banks each, and seven modules per bank (seventy modules total). Each module has one pair of cable harnesses. Ten of the seventy modules are less than two years old and do not require replacement. Fourteen of the modules had the cable harnesses replaced in Fiscal Year 2021, leaving forty-six modules remaining. District staff purchased the required materials in Fiscal Year 2022 and will replace the remaining forty-six modules over the course of the next two years.

Lead Agency: DSRSD/DERWA
Project Manager: DERWA Authority Manager

Cost Sharing:

Planning	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Design	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Property	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Construction	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Const Mgmt	46%	DSRSD	27%	EBMUD	27%	Pleasanton

Grant/Loan Eligible: 0% Design 0% Construction
In Service Date: 2024
(\$000)

TIPS VFD Upgrades

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
SFUV Cable Harness Replacement	DERWA	Planning	0	0	0	0	-
		Design	0	0	0	0	-
		Property	0	0	0	0	-
		Construction	0	127	23	0	150
		Const. Mgmt.	0	0	0	0	-
		Admin	0	0	0	0	-
		Other	0	0	0	0	-
		Total	-	127	23	-	150

Total Project Element Costs: \$150,000

Capital Improvement Project Summary

Project: UV Lamp Electrical Connector Replacement

Description: There are 1,200 UV lamps in the SFUV system and each lamp has one electrical connector. District staff estimates that just over 1,000 connectors need replacement due to water intrusion from worn out wiper O-rings. District staff proposes replacing these electrical connectors.

Lead Agency: DSRSD/DERWA
Project Manager: DERWA Authority Manager

Cost Sharing:

Planning	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Design	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Property	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Construction	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Const Mgmt	46%	DSRSD	27%	EBMUD	27%	Pleasanton

Grant/Loan Eligible: 0% Design 0% Construction
In Service Date: 2024
 (\$000)

TIPS VFD Upgrades

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
UV Lamp Electrical Connector Replacements	DERWA	Planning	0	0	0	0	-
		Design	0	0	0	0	-
		Property	0	0	0	0	-
		Construction	0	83	17	0	100
		Const. Mgmt.	0	0	0	0	-
		Admin	0	0	0	0	-
		Other	0	0	0	0	-
		Total	-	83	17	-	100

Total Project Element Costs: \$100,000

Capital Improvement Project Summary

Project: Backwash Analysis

Description: The DSRSD 2023 Regional Wastewater Rate Study analyzed the cost to treat backwash waste streams from DERWA. Based on that study, the cost to treat DERWA backwash rates will increase by an estimated \$1.2 million. The increase in cost reflects the addition of the ballasted flocculation treatment system in 2018 and the significant increase in recycled water production that has occurred since operations began. In order to reduce the volume and/or strength of the filter backwash stream to mitigate the anticipated increase in treatment cost, DERWA will undertake a Backwash Analysis project to determine study potential infrastructure improvements to reduce the backwash flow and/or strength.

Lead Agency: DSRSD
Project Manager: Staff

Cost Sharing:

Planning	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Design	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Property	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Construction	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Const Mgmt	46%	DSRSD	27%	EBMUD	27%	Pleasanton

Grant/Loan Eligible: 0% Design 0% Construction
In Service Date: 2024
 (\$000)

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
Recycled Water Treatment Plant Expansion	DSRSD	Planning	-	-	200	-	200
		Design	-	-	-	-	-
		Property	-	-	-	-	-
		Construction	-	-	-	-	-
		Const. Mgmt.	-	-	-	-	-
		Admin/Permitting	-	-	-	-	-
		Other	-	-	-	-	-
		Total	-	-	200	-	-

Total Project Element Costs: \$200,000

Capital Improvement Project Summary

Project: Gate Replacements

Description: Various sluice and slide gates require replacement at the treatment plant. The Gate Replacements project will be added in Fiscal Year 2024 with \$150,000 budgeted in the first year, and \$150,000 budgeted in Fiscal Year 2025.

Lead Agency: DSRSD

Project Manager: Staff

Cost Sharing:

Planning	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Design	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Property	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Construction	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Const Mgmt	46%	DSRSD	27%	EBMUD	27%	Pleasanton

Grant/Loan Eligible: 0% Design 0% Construction

In Service Date: 2026

(\$000)

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
Recycled Water Treatment Plant Expansion	DSRSD	Planning	-	-	-	-	-
		Design	-	-	-	-	-
		Property	-	-	-	-	-
		Construction	-	-	150	150	300
		Const. Mgmt.	-	-	-	-	-
		Admin/Permitting	-	-	-	-	-
		Other	-	-	-	-	-
		Total	-	-	150	150	300

Total Project Element Costs: \$300,000

Capital Improvement Project Summary

Project: Pine Valley Transmission Cathodic Protection

Description: A cathodic protection project, Pine Valley Transmission Cathodic Protection will begin in Fiscal Year 2024 to provide safety improvements to continue to mitigate possible AC interference from high-voltage overhead power lines. The cost of the project is \$230,000.

Lead Agency: DSRSD
Project Manager: Staff

Cost Sharing:

Planning	47% DSRSD 53% EBMUD
Design	47% DSRSD 53% EBMUD
Property	47% DSRSD 53% EBMUD
Construction	47% DSRSD 53% EBMUD
Const Mgmt	47% DSRSD 53% EBMUD

Grant/Loan Eligible: 0% Design 0% Construction

In Service Date: 2024
 (\$000)

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
Recycled Water Treatment Plant Expansion	DSRSD	Planning	-	-	-	-	-
		Design	-	-	-	-	
		Property	-	-	-	-	
		Construction	-	-	230	-	230
		Const. Mgmt.	-	-	-	-	
		Admin/Permitting	-	-	-	-	
		Other	-	-	-	-	
		Total	-	-	230	-	230

Total Project Element Costs: \$230,000

Capital Improvement Project Summary

Project: **Decommission Microfiltration Facility**

Description: A project to decommission the microfiltration facility, which is no longer used to provide recycled water treatment will begin in Fiscal Year 2024, with a project budget of \$50,000.

Lead Agency: DSRSD

Project Manager: Staff

Cost Sharing:

Planning	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Design	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Property	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Construction	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Const Mgmt	46%	DSRSD	27%	EBMUD	27%	Pleasanton

Grant/Loan Eligible: 0% Design 0% Construction

In Service Date: 2024

(\$000)

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
Recycled Water Treatment Plant Expansion	DSRSD	Planning	-	-	-	-	-
		Design	-	-	-	-	-
		Property	-	-	-	-	-
		Construction	-	-	50	-	50
		Const. Mgmt.	-	-	-	-	-
		Admin/Permitting	-	-	-	-	-
		Other	-	-	-	-	-
		Total	-	-	50	-	50

Total Project Element Costs: \$50,000

Capital Improvement Project Summary

Project: **SCADA Replacement**

Description: The DSRSD wastewater treatment plant SCADA system replacement project is currently in design. DERWA’s share of the project for the recycled water treatment systems is expected to cost \$300,000 in Fiscal Year 2025. The project budget is based on a preliminary construction cost estimate provided by the design build firm.

Lead Agency: DSRSD
Project Manager: Staff

Cost Sharing:

Planning	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Design	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Property	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Construction	46%	DSRSD	27%	EBMUD	27%	Pleasanton
Const Mgmt	46%	DSRSD	27%	EBMUD	27%	Pleasanton

Grant/Loan Eligible: 0% Design 0% Construction

In Service Date: 2025
(\$000)

Project	Lead Agency	Activity	Prior Spending	Estimated FY23	Proposed FY24	Future	Approved Budget Total
Recycled Water Treatment Plant Expansion	DSRSD	Planning	-	-	-	-	-
		Design	-	-	-	-	-
		Property	-	-	-	-	-
		Construction	-	-	-	300	300
		Const. Mgmt.	-	-	-	-	-
		Admin/Permitting	-	-	-	-	-
		Other	-	-	-	-	-
		Total	-	-	-	-	300

Total Project Element Costs: \$300,000

DERWA

DSRSD • EBMUD Recycled Water Authority
PARTNERS IN WATER RECYCLING

DATE: April 24, 2023
MEMO TO: Board of Directors
FROM: Jan Lee, DERWA Authority Manager
SUBJECT: Authority Manager Update

ADMINISTRATION

Onboarding New DERWA Board Members. On March 22, 2023, DERWA Authority Manager Jan Lee and DSRSD Operations Director Jeff Carson provided an overview of the DERWA program to DERWA Board members - Director April Chan with EBMUD and Vice President Ann Marie Johnson with DSRSD. Following the discussion, DSRSD Plant Operations staff, Virgil Sevilla and Sinzee Tran gave Director Chan and EBMUD staff a tour of the Recycled Water Treatment Facility.



Spring Irrigation System Reminders. EBMUD, DSRSD, and the City of Pleasanton are in the process of sending out annual reminders for customers to prepare for the upcoming irrigation season by performing an initial check to make sure their irrigation system is working properly with no leak and breaks. As part of this reminder, agencies provide a list of best practices to ensure that our recycled water customers are using water as efficiently as possible throughout the season.

OPERATIONS

2023 Recycled Water Production. The DERWA Recycled Water Treatment Facility produced 140.8 acre-feet (AF) of recycled water between January 2023 and March 2023, compared to 627.6 AF produced during the same time frame in 2022. This represents a decrease of 486.8 AF produced in the first quarter of calendar year 2023 (a 78% decline in water production). The decrease in production is due to the extremely wet weather experienced by the Bay Area this winter and early spring. From January through March 2023, the recorded rainfall was 19.9 inches, compared to 0.9 inches of rainfall recorded from January through March 2022.

Annual Winter Maintenance. At the end of January 2023, DSRSD Operations staff conducted their annual DERWA winter cleaning and preventative maintenance activities. This work is timed to take place during the winter to coincide with seasonally low demand, minimize service interruptions, and prepare for the upcoming summer irrigation season. Highlights from this year's activities include cleaning and inspection of holding basins, wet wells, and flocculation tanks; replacement of pump station switches that have reached the end of their useful lives; installation of new dewatering pumps; and caulking to reduce leakage at the ultraviolet effluent gate rail. Other minor maintenance and repair work included calibrating sensors, cleaning the

sand filtration, ultraviolet and ballasted flocculation systems, and replacement of lamps, electrical ballasts, pressure gauges and regulators throughout the DERWA system. The completed maintenance work helps the system continue to run at peak efficiency and minimizes potential odor issues with the surrounding neighborhood.



Photos (Left to Right): Holding Basin No. 4 wet well before cleaning, during cleaning, and after cleaning.