



**UNION SANITARY DISTRICT BOARD MEETING/
UNION SANITARY DISTRICT FINANCING AUTHORITY
AGENDA**

**Monday, January 23, 2023
Regular Meeting - 4:00 P.M.**

**Union Sanitary District
Administration Building
5072 Benson Road
Union City, CA 94587**

Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

CORONAVIRUS (COVID-19) ADVISORY NOTICE

This meeting will be held pursuant to Government Code Section 54953 (as amended by AB 361), which authorizes teleconferenced meetings under the Brown Act during a proclaimed state of emergency. The Governor of California proclaimed a State of Emergency related to COVID-19 on March 4, 2020. Consistent with Government Code Section 54953, this meeting will not be physically open to the public and Board Members will be teleconferencing into the meeting. **To maximize public safety while still maintaining transparency and public access, members of the public can observe the meeting by following the steps listed below, and may provide public comment by sending comments to the Board Clerk by email at assistanttogm@unionsanitary.ca.gov before or during the meeting or via voicemail by calling 510-477-7599 before 3:00 p.m. on the date of the meeting.** Comments will then be read into the record, with a maximum allowance of 3 minutes per individual comment, subject to the Board President's discretion. All comments should be a maximum of 500 words, which corresponds to approximately 3 minutes of speaking time. If a comment is received after the agenda item is heard but before the close of the meeting, the comment will still be included as a part of the record of the meeting but will not be read into the record.

Any member of the public who needs accommodations should email or call the Board Clerk, assistanttogm@unionsanitary.ca.gov or 510-477-7503, who will use their best efforts to provide reasonable accommodations to provide as much accessibility as possible while also maintaining public safety in accordance with the Union Sanitary District procedure for resolving reasonable accommodation requests.

To listen to this Regular Board Meeting:

Call: 1-888-788-0099 or 1-877-853-5247

Meeting ID: 826 9857 0451 #

Participant ID: #

Click the Zoom link below to watch and listen:

<https://us02web.zoom.us/j/82698570451>

	1.	Call to Order.
	2.	Salute to the Flag. (This item has been suspended until in-person meetings resume.)
	3.	Roll Call.
Motion	4.	Approve Minutes of the Union Sanitary District Board Meeting of January 9, 2023.
Information	5.	December 2022 Monthly Operations Report <i>(to be reviewed by the Budget & Finance and Legal/Community Affairs Committees)</i> .
	6.	Written Communications.
	7.	Public Comment. Public Comment is limited to three minutes per individual, with a maximum of 30 minutes per subject. If the comment relates to an agenda item, the speaker should address the Board at the time the item is considered. Speaker cards will be available in the Boardroom and are requested to be completed prior to the start of the meeting.
Motion	8.	Review and Consider Approval of Updated Policy No. 5334, Equal Employment Opportunity <i>(to be reviewed by the Personnel Committee)</i> .
Motion	9.	Consider a Motion to Modify the July 10, 2023, Board Meeting, and Cancel the November 27 and December 25, 2023, Board Meetings.
Motion	10.	Authorize the General Manager to Execute Contract Change Order No. 47 with C. Overaa & Co. for the Primary Digester No. 7 Project <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .
Motion	11.	Awarding the Contract for the Cleaning of Primary Digester No. 6 to Wastewater Solids Management <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .
Motion	12.	Consider Confirming and Declaring the Need to Continue the Emergency Action to Repair Two Sewer Lines in the City of Fremont Damaged by Fiber Optic Line Installation <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .
Motion	13.	Authorize the General Manager to Execute Amendment No. 1 to Task Order No. 2 with Carollo Engineers, Inc. for the WAS Thickener Replacement Project <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .
Motion	14.	COVID-19 and AB 361 Update and Consider Adoption of a Resolution Authorizing the Use of Teleconference Meetings in Compliance with AB 361.
Information	15.	CAL-Card Fiscal Year 2023 2 nd Quarter Activity Report <i>(to be reviewed by the Budget & Finance Committee)</i> .
Information	16.	Board Expenses for 2 nd Quarter of Fiscal Year 2023 <i>(to be reviewed by the Budget & Finance Committee)</i> .
Information	17.	Report on the East Bay Dischargers Authority Meeting of December 15, 2022.

Information	18. Check Register.
Information	19. Committee Meeting Reports. <i>(No Board action is taken at Committee meetings):</i> <ol style="list-style-type: none"> Budget & Finance Committee – Wednesday, January 18, 2023, at 9:00 a.m. <ul style="list-style-type: none"> Director Kite and Director Toy Engineering and Information Technology Committee – Thursday, January 19, 2023, at 11:30 a.m. <ul style="list-style-type: none"> Director Handley and Director Lathi Personnel Committee – Friday, January 20, 2023, at 10:00 a.m. <ul style="list-style-type: none"> Director Fernandez and Director Toy Legal/Community Affairs Committee – Friday, January 20, 2023, at 10:30 a.m. <ul style="list-style-type: none"> Director Kite and Director Lathi Investment & Portfolio Committee – will not meet. Legislative Committee – will not meet. Personnel Committee – will not meet.
Information	20. General Manager’s Report. <i>(Information on recent issues of interest to the Board).</i>
	21. Other Business: <ol style="list-style-type: none"> Comments and questions. <i>Directors can share information relating to District business and are welcome to request information from staff.</i> Scheduling matters for future consideration.
	22. Adjournment – The Board will adjourn to a Special Board Meeting to be held virtually on Monday, February 6, 2023, at 4:00 p.m.
	23. Adjournment – The Board will then adjourn to the next Regular Board Meeting to be held virtually on Monday, February 13, 2023, at 4:00 p.m.

The facilities at the District Offices are wheelchair accessible. Any attendee requiring special accommodations at the meeting should contact the General Manager’s office at (510) 477-7503 at least 24 hours in advance of the meeting.



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TRI-CITY WASTEWATER

Directors

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Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

BUDGET & FINANCE COMMITTEE MEETING

Committee Members: Director Kite and Director Toy

AGENDA

Wednesday, January 18, 2023

9:00 A.M.

Alvarado Conference Room

5072 Benson Road

Union City, CA 94587

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1. Call to Order

2. Roll Call

3. Public Comment

Public Comment is limited to three minutes per individual, with a maximum of 30 minutes per subject. If the comment relates to an agenda item, the speaker should address the Board at the time the item is considered. Speaker cards will be available and are requested to be completed prior to the start of the meeting.

4. Items to be reviewed for the Regular Board meeting of January 23, 2023:

- December 2022 Monthly Operations Report – Financial Reports
- CAL-Card Fiscal Year 2023 2nd Quarter Activity Report
- Board Expenses for 2nd Quarter of Fiscal Year 2023

5. Adjournment

Items reviewed at committee meetings will be included in the agenda packet for the upcoming Board meeting. No action will be taken at committee meetings.

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Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**ENGINEERING AND INFORMATION TECHNOLOGY
COMMITTEE MEETING**
Committee Members: Director Handley and Director Lathi

AGENDA
Thursday, January 19, 2023
11:30 A.M.

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

This meeting will be held pursuant to Government Code Section 54953 (as amended by AB 361), which authorizes teleconferenced meetings under the Brown Act during a proclaimed state of emergency. The Governor of California proclaimed a State of Emergency related to COVID-19 on March 4, 2020. Consistent with Government Code Section 54953, this meeting will not be physically open to the public and all Board Members will be teleconferencing into the meeting via conference call. To maximize public safety while still maintaining public access, members of the public can observe the meeting by calling 510-477-6190 to listen to the committee meeting, and may provide public comment by sending comments to the Board Clerk by email anytime during the meeting at assistanttogm@unionsanitary.ca.gov or via voicemail by calling 510-477-7599 up to one hour before the scheduled meeting start time.

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4. Items to be reviewed for the Regular Board meeting of January 23, 2023:

- Authorize the General Manager to Execute Contract Change Order No. 47 with C. Overaa & Co. for the Primary Digester No. 7 Project
- Awarding the Contract for the Cleaning of Primary Digester No. 6 to Wastewater Solids Management
- Consider Confirming and Declaring the Need to Continue the Emergency Action to Repair Two Sewer Lines in the City of Fremont Damaged by Fiber Optic Line Installation
- Authorize the General Manager to Execute Amendment No. 1 to Task Order No. 2 with Carollo Engineers, Inc. for the WAS Thickener Replacement Project

5. Adjournment

Items reviewed at committee meetings will be included in the agenda packet for the upcoming Board meeting. No action will be taken at committee meetings.

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Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

PERSONNEL COMMITTEE MEETING

Committee Members: Director Fernandez and Director Toy

AGENDA

Friday, January 20, 2023

10:00 A.M.

Alvarado Conference Room

5072 Benson Road

Union City, CA 94587

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4. Items to be reviewed for the Regular Board meeting of January 23, 2023:

- Review and Consider Approval of Updated Policy No. 5334, Equal Employment Opportunity

5. Adjournment

Items reviewed at committee meetings will be included in the agenda packet for the upcoming Board meeting. No action will be taken at committee meetings.

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Anjali Lathi
Jennifer Toy

LEGAL/COMMUNITY AFFAIRS COMMITTEE MEETING

Committee Members: Director Kite and Director Lathi

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

AGENDA

Friday, January 20, 2023

10:30 A.M.

Karen W. Murphy
Attorney

Alvarado Conference Room

5072 Benson Road

Union City, CA 94587

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4. Items to be reviewed for the Regular Board meeting of January 23, 2023:

- December 2022 Monthly Operations Report – Odor and Workgroup Reports

5. Adjournment

Items reviewed at committee meetings will be included in the agenda packet for the upcoming Board meeting. No action will be taken at committee meetings.

The facilities at the District Offices are wheelchair accessible. Any attendee requiring special accommodations at the meeting should contact the General Manager's office at (510) 477-7503 at least 24 hours in advance of the meeting.

**MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT/UNION SANITARY DISTRICT FINANCING
AUTHORITY
January 9, 2023**

This meeting was held pursuant to Government Code Section 54953 (as amended by AB 361), which authorizes teleconferenced meetings under the Brown Act during a proclaimed state of emergency. The Governor of California proclaimed a State of Emergency related to COVID-19 on March 4, 2020. Consistent with Government Code Section 54953, this meeting was not physically open to the public and all Board Members teleconferenced into the meeting. To maximize public safety while still maintaining transparency and public access, members of the public were able to observe the Board Meeting and provide public comment by sending comments to the Board Clerk.

CALL TO ORDER

President Lathi called the meeting to order at 4:00 p.m. The regular meeting time was modified due to the COVID-19 emergency.

SALUTE TO THE FLAG

ROLL CALL

PRESENT: Manny Fernandez, Vice President
Jennifer Toy, Secretary
Pat Kite, Director

ABSENT: Anjali Lathi, President (arrived at 4:27 p.m.)
Tom Handley, Director (arrived at 4:30 p.m.)

STAFF: Paul Eldredge, General Manager/District Engineer
Karen Murphy, District Counsel
Mark Carlson, Business Services Manager/CFO
Armando Lopez, Treatment and Disposal Services Manager
Jose Rodrigues, Collection Services Manager
Raymond Chau, Technical Services Manager
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager
Chris Pachmayer, Fabrication, Maintenance, and Construction Team Coach
Curtis Bosick, Capital Improvements Projects Team Coach
Alisa Gordon, Human Resources Manager
Trieu Nguyen, IT Administrator
Gus Carrillo, Enhanced Treatment and Site Upgrade Program Coordinator
Karoline Terrazas, Organizational Performance Manager
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

APPROVE MINUTES OF THE UNION SANITARY DISTRICT SPECIAL BOARD MEETING OF DECEMBER 5, 2022

It was moved by Secretary Toy, seconded by Director Kite, to Approve the Minutes of the Special Board Meeting of December 5, 2022. Motion carried with the following vote:

AYES: Fernandez, Kite, Toy
NOES: None
ABSTAIN: None
ABSENT: Handley, Lathi

APPROVE MINUTES OF THE UNION SANITARY DISTRICT BOARD MEETING OF DECEMBER 12, 2022

It was moved by Secretary Toy, seconded by Director Kite, to Approve the Minutes of the Board Meeting of December 12, 2022. Motion carried with the following vote:

AYES: Fernandez, Kite, Toy
NOES: None
ABSTAIN: None
ABSENT: Handley, Lathi

APPROVE MINUTES OF THE UNION SANITARY DISTRICT SPECIAL BOARD MEETING OF DECEMBER 19, 2022

It was moved by Secretary Toy, seconded by Director Kite, to Approve the Minutes of the Special Board Meeting of December 19, 2022. Motion carried with the following vote:

AYES: Fernandez, Kite, Toy
NOES: None
ABSTAIN: None
ABSENT: Handley, Lathi

NOVEMBER 2022 MONTHLY OPERATIONS REPORT

This item was reviewed by the Budget & Finance and Legal/Community Affairs Committees. General Manager Eldredge provided an overview of the Monthly Report, and Business Services Manager/CFO Carlson provided an overview of the financial reports.

FISCAL YEAR 2023 1ST QUARTER DISTRICT-WIDE BALANCED SCORECARD

This item was reviewed by the Legal/Community Affairs Committee. Human Resources Manager Gordon provided an overview of the FY 2023 1st Quarter District-Wide Balanced Scorecard included in the Board meeting packet and responded to questions from Boardmembers.

WRITTEN COMMUNICATIONS

There were no written communications.

PUBLIC COMMENT

There was no public comment.

CONSIDER A RESOLUTION TO ACCEPT A SANITARY SEWER EASEMENT FOR TRACT 8310 – BAYSHORES PHASE 2, LOCATED AT HICKORY STREET AND SEAWIND WAY, IN THE CITY OF NEWARK

This item was reviewed by the Legal/Community Affairs Committee. Technical Services Manager Chau stated William Lyon Homes, Inc., the developer, constructed a residential development located at Hickory Street and Seawind Way, in the City of Newark. The roadways within Tract 8310 do not meet the City of Newark's street dimensions and structure setback requirements for public streets and were designated as private. The developer constructed the new sewer mains within the roadways and granted the District a sanitary sewer easement to provide for access and maintenance of the sewer mains. William Lyon Homes, Inc. was acquired by Taylor Morrison who is aware of the grant of easement. Staff recommended the Board consider a resolution to accept a sanitary sewer easement for Tract 8310 – Bayshores Phase 2, located at Hickory Street and Seawind Way, in the City of Newark.

It was moved by Secretary Toy, seconded by Director Kite, to Adopt Resolution No. 2990 to Accept a Sanitary Sewer Easement for Tract 8310 – Bayshores Phase 2, Located at Hickory Street and Seawind Way, in the City of Newark, California. Motion carried with the following vote:

AYES: Fernandez, Kite, Toy
NOES: None
ABSTAIN: None
ABSENT: Handley, Lathi

CONSIDER A RESOLUTION TO ACCEPT A SANITARY SEWER EASEMENT FOR TRACT 8459 – COMPASS BAY, LOCATED AT ENTERPRISE DRIVE AND HICKORY STREET, IN THE CITY OF NEWARK

This item was reviewed by the Legal/Community Affairs Committee. Technical Services Manager Chau stated Trumark Homes Inc. constructed a residential development located at Enterprise Drive and Hickory Street, in the City of Newark. The roadways within Tract 8459 to not meet the City of Newark's street dimensions and have been designated as private. Trumark Homes, Inc. constructed the new sewer mains within the private roadways and granted the District a sanitary sewer easement to provide for access and maintenance of the sewer mains. Staff recommended the Board consider a resolution to accept a sanitary sewer easement for Tract 8459 – Compass Bay, located at Enterprise Drive and Hickory Street, in the City of Newark.

It was moved by Director Kite, seconded by Secretary Toy, to Adopt Resolution No. 2991 to Accept a Sanitary Sewer Easement for Tract 8459 – Compass Bay, Located at Enterprise Drive and Hickory Street, in the City of Newark, California. Motion carried with the following vote:

AYES: Fernandez, Kite, Toy

NOES: None
ABSTAIN: None
ABSENT: Handley, Lathi

CONSIDER CONFIRMING AND DECLARING THE NEED TO CONTINUE THE EMERGENCY ACTION TO REPAIR TWO SEWER LINES IN THE CITY OF FREMONT DAMAGED BY FIBER OPTIC LINE INSTALLATION

This item was reviewed by the Engineering and Information Technology Committee. Collection Services Manager Rodrigues stated that on September 12, 2022, the Board adopted Resolution No. 2982 declaring an emergency and authorizing the expenditure of funds to allow staff to proceed with the expeditious repair of two sewer lines in the City of Fremont. Pursuant to Public Contract Code section 22050, the Board is required to review the status of emergency action at each subsequent meeting until the emergency action is terminated and authorize continuation of the emergency action. Staff recommended the Board receive an update on repairs and adopt a motion finding that there is a need to continue the action and confirming and declaring the continuance of the emergency.

It was moved by Secretary Toy, seconded by Vice President Fernandez, to Adopt a Motion Finding That There is a Need to Continue the Action and Confirming and Declaring the Continuance of the Emergency. Motion carried with the following vote:

AYES: Fernandez, Kite, Toy
NOES: None
ABSTAIN: None
ABSENT: Handley, Lathi

AUTHORIZE STAFF TO REJECT ALL BIDS AND RE-BID THE PUMP STATIONS CHEMICAL SYSTEM IMPROVEMENTS PROJECT

This item was reviewed by the Engineering and Information Technology Committee. Technical Services Manager Chau stated three bids were received for the Project on October 20, 2022. Anvil was the apparent low bidder with a total contract price of \$10,779,000, which was 25.3% above the Engineer's Estimate of \$8,600,000. On October 25, 2022, staff received a relief of bid request letter from Anvil. The letter stated Anvil had made a clerical mistake by failing to properly include the price for materials, equipment rental, and testing in its Project bid, resulting in a price difference of \$1,113,356. Pursuant to Public Contract Code section 5101(a), the District may grant a bidder relief from its bid under circumstances outlined in section 5103. After reviewing the evidence provided and conferring with legal counsel, staff recommends granting Anvil relief of its bid. The bid submitted by the second low bidder, Mountain Cascade, Inc., was \$14,235,206 or 65.5% above the Engineer's Estimate. Since Mountain Cascade's bid exceeds both Anvil's bid and the Engineer's Estimate by a large percentage, staff believes it would be best to reject all bids and re-bid the project. Staff notified bidders of its intent to reject all bids and have not received any objections, and Public Contract Code Section 20805 allows the District to reject bids at its discretion. Staff recommended the Board grant Anvil Builders, Inc. relief of its bid, reject all bids received for the Pump Station Chemical System Improvements Project and authorize staff to re-bid the Project.

It was moved by Director Kite, seconded by Secretary Toy, to Grant Anvil Builders, Inc. Relief of its Bid, Reject All Bids Received for the Pump Station Chemical System Improvements Project and Authorize Staff to Re-bid the Project. Motion carried with the following vote:

AYES: Fernandez, Kite, Toy
NOES: None
ABSTAIN: None
ABSENT: Handley, Lathi

COVID-19 UPDATE AND CONSIDER ADOPTION OF RESOLUTION AUTHORIZING THE USE OF TELECONFERENCE MEETINGS IN COMPLIANCE WITH AB 361

General Manager Eldredge provided an update regarding COVID-19 impacts on District operations and coordination efforts. AB 361 requires public agencies to make findings by majority vote within 30 days of the first teleconferenced meeting under AB 361 and every 30 days thereafter that a state of emergency still exists and continues to directly impact the ability of the members to meet safely in person, or that officials continue to impose or recommend measures to promote social distancing. The District is continuing to hold teleconferenced meetings as allowed under AB 361 due to the ongoing public health threat of COVID-19. The proposed resolution includes findings required by AB 361 to allow the District to hold teleconferenced meetings. Staff provided an update on the status of the COVID-19 Emergency Order. Staff recommended the Board adopt a resolution authorizing the use of teleconference meetings in compliance with AB 361.

It was moved by Secretary Toy, seconded by Vice President Fernandez, to Adopt Resolution No. 2992 Authorizing the Use of Teleconference Meetings in Compliance with AB 361. Motion carried with the following vote:

AYES: Fernandez, Kite, Toy
NOES: None
ABSTAIN: None
ABSENT: Handley, Lathi

INFORMATION ITEMS:

Status of Priority 1 Capital Improvement Program Projects

This item was reviewed by the Engineering and Information Technology Committee. Technical Services Manager Chau provided an overview of the status report and responded to Boardmember questions.

Report on the East Bay Discharger's Authority Meeting of November 17, 2022

General Manager Eldredge provided an overview of the EBDA meeting minutes included in the Board meeting packet.

First Quarterly Report on the Capital Improvement Program for FY23

This item was reviewed by the Engineering and Information Technology Committee. Technical Services Manager Chau provided an overview of the quarterly report and responded to Boardmember questions.

First Quarterly Report on the Enhanced Treatment and Site Upgrade Program for FY23

This item was reviewed by the Engineering and Information Technology Committee. Enhanced Treatment and Site Upgrade Program Manager Pipkin provided an overview of the quarterly report and responded to Boardmember questions.

Check Register

There were no questions regarding the check register.

COMMITTEE MEETING REPORTS:

The Budget & Finance, Legislative, Engineering and Information Technology, and Legal/Community Affairs Committees met.

GENERAL MANAGER'S REPORT:

- General Manager Eldredge provided an update on the Treatment Plant's performance during recent rain events and commended District staff for their prompt response throughout the New Year's holiday weekend.
- The General Manager will present a District overview at the Newark Optimist meeting on January 17, 2023.
- The conference hotels for the upcoming CASA and NACWA conferences have been sold out.
- The District received a reimbursement from PG&E as a result of the September 2022 heat wave response.

OTHER BUSINESS:

There was no other business.

ADJOURNMENT:

The meeting was adjourned at 4:50 p.m. to the next Regular Board Meeting to be held virtually on Monday, January 23, 2023, at 4:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

JENNIFER TOY
SECRETARY

APPROVED:

ANJALI LATHI
PRESIDENT

Adopted this 23rd day of January 2023



Union Sanitary District

Monthly Operations Report December 2022



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2022 MONTHLY OPERATIONS REPORT

The December 2022 Monthly Operations Reports highlights the District's performance in the following areas:

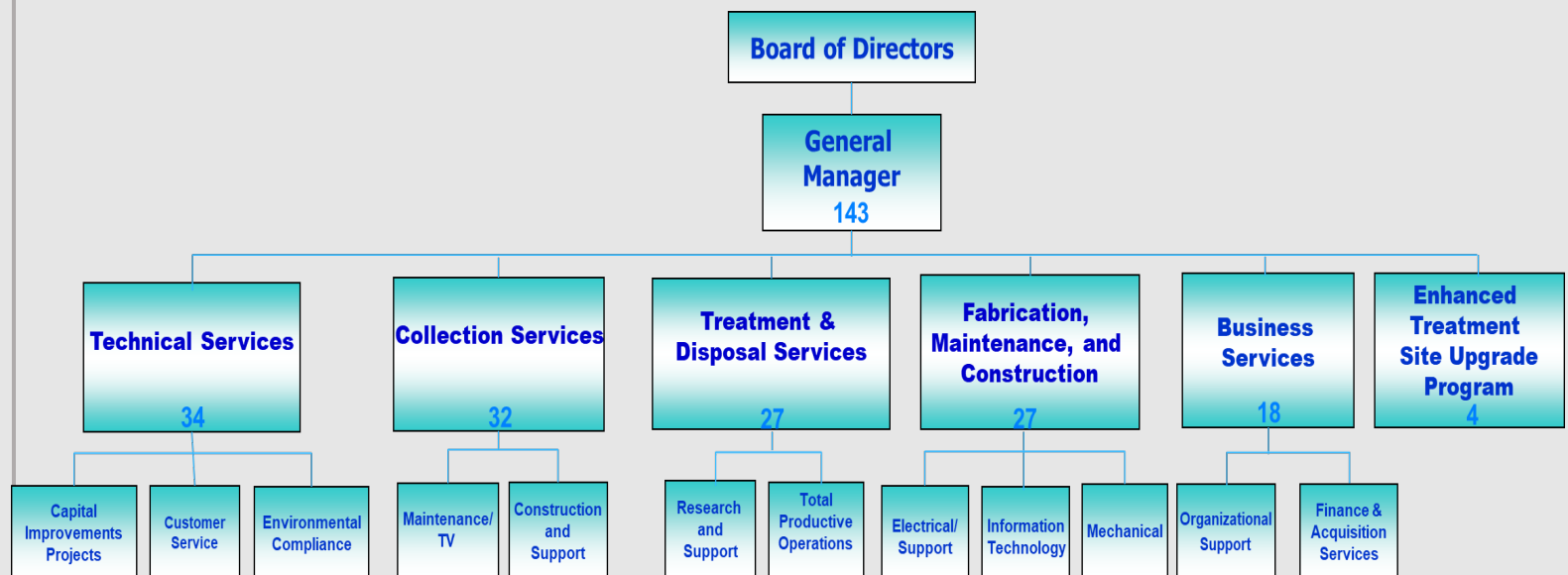
- **Organizational Overview**
- **Financial Reports**
 - Budget and Finance Report
 - Investment Portfolio
 - Portfolio Holdings by Asset Class and by Maturity Range
- **Customer Relations**
 - Odor Investigations and Response
 - Service Request and Response
 - Communication and Outreach
- **Plant Operations**
- **Maintenance Report**
 - Collection System
 - Plant and Pump Stations
 - Information Technology
- **Capital Improvement Projects (CIP) Report**
 - Current Construction Projects
 - Studies and Designs
- **Permitting and Inspections**
- **Staffing and Personnel**



Organizational Overview

2022 MONTHLY OPERATIONS REPORT

Union Sanitary District operates a 33-acre wastewater treatment facility in Union City and provides collection, treatment, and disposal services to a total population of over 356,000 in Fremont, Newark and Union City, California. The District maintains over 839 miles of underground pipeline in its service area.



Executive Team

Paul Eldredge	General Manager/District Engineer	Oversees District operations and liaison to the Board of Directors
Mark Carlson	Business Services/CFO	Includes Finance, Purchasing, Human Resources, and Safety
Jose Rodrigues	Collection Services	Maintains, and repairs the sewer lines and manholes throughout the service area
Raymond Chau	Technical Services	Permits and inspections, pretreatment program, and capital improvements
Armando Lopez	Treatment and Disposal Services	Operates the treatment plant, process and analyze wastewater samples
Robert Simonich	Fabrication, Maintenance, and Construction	Information technology, equipment installation, service, repair for the plant and pump stations



Financial Report

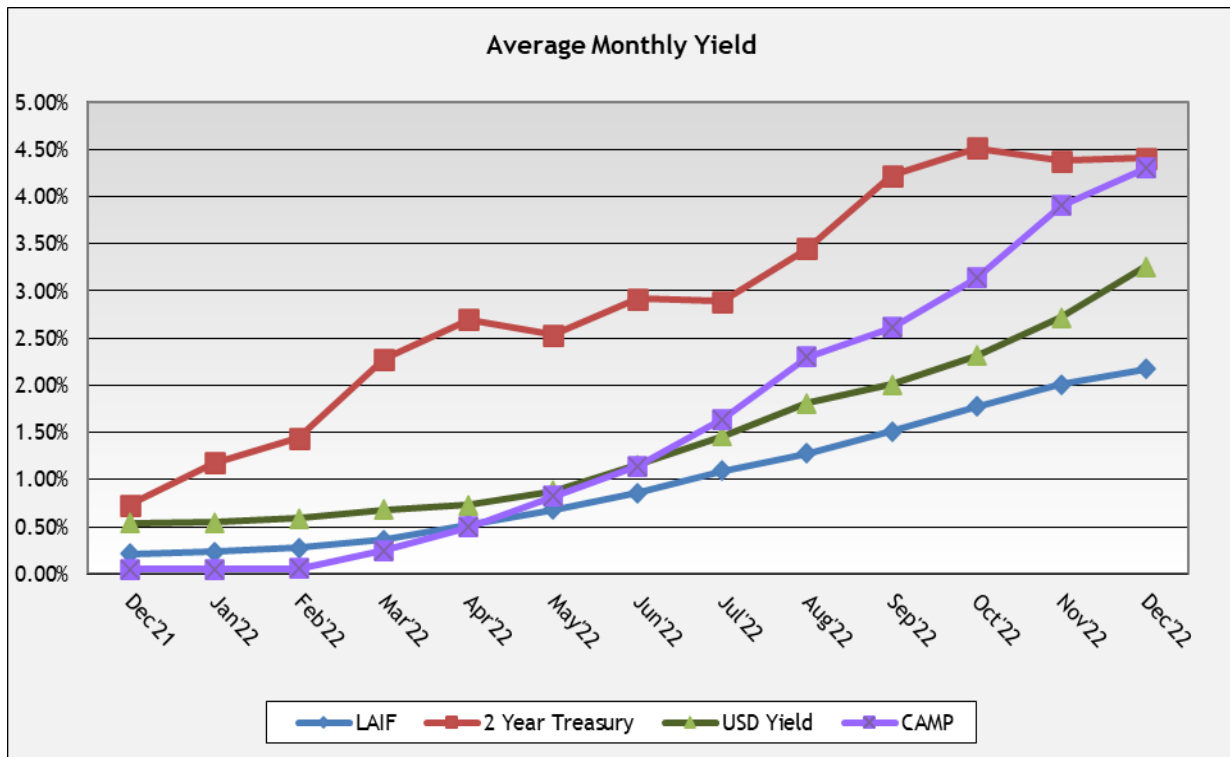
2022 MONTHLY OPERATIONS REPORT

Total Revenues and Expenditures

FY 2023	Year-to-date as of 12/31/22		50% of year elapsed	
				Audited Last Year Actuals 6/30/22
Revenues	Budget	Actual	% of Budget Rec'd	
Capacity Fees	\$ 7,467,000	\$ 3,122,755	42%	\$ 11,145,152
Sewer Service Charges	76,965,000	39,175,184	51%	73,822,317
Operating (Includes work groups and fund 85)	1,234,500	684,571	55%	1,307,546
Interest	1,385,000	1,959,829	142%	1,122,856
Misc. (Annex fees, forfeited deposits)	-	24,014	0%	1,607,370
Subtotal Revenues	<u>\$ 87,051,500</u>	<u>\$ 44,966,352</u>	<u>52%</u>	<u>\$ 89,005,242</u>
Bond Proceeds	-	-	0.0%	110,317,768
Total Revenues + Bond Proceeds	\$ 87,051,500	\$ 44,966,352	52%	\$ 199,323,010
				Audited Last Year Actuals 6/30/22
Expenses	Budget	Actual	% of Budget Used	
Capital Improvement Program:				
Capacity Proj.	\$ 15,624,000	\$ 2,971,982	19%	\$ 11,721,479
Renewal & Repl. Proj.	53,206,200	13,088,791	25%	14,840,229
Operating (includes fund 85)	50,509,850	21,678,599	43%	41,198,447
Special Projects	3,238,000	445,045	14%	1,002,174
Retiree Medical (ADC)	1,400,000	1,175,807	84%	- 27,870
115 Pension Trust	3,000,000	-	0%	3,000,000
Vehicle & Equipment	171,000	160,684	94%	-
Information Systems	1,207,500	113,293	9%	356,115
Plant & Pump Stat. R&R	400,000	-	0%	327,272
Emerg. Fund	-	-	0%	-
Cty Fee for SSC Admin.	113,000	56,256	50%	111,726
Debt Servicing:				
SRF Loans	-	-	0%	7,982
Bonds	9,017,480	7,152,169	79%	7,478,302
WIFIA	-	17,000	0%	363,040
Total Expenses	<u>\$ 137,887,030</u>	<u>\$ 46,859,626</u>	<u>34%</u>	<u>\$ 80,378,897</u>
Total Revenue & Proceeds less Expenses	\$ (50,835,530)	\$ (1,893,274)		118,944,113

Investment Portfolio

Performance Measures for the USD Investment Portfolio



	Aug'22	Sep'22	Oct'22	Nov'22	Dec'22
LAIF	1.28%	1.51%	1.77%	2.01%	2.17%
2 Year Treasury	3.45%	4.22%	4.51%	4.38%	4.41%
USD Yield	1.81%	2.01%	2.32%	2.72%	3.26%
CAMP	2.30%	2.61%	3.14%	3.90%	4.30%

LAIF: Local Agency Investment Fund Yield

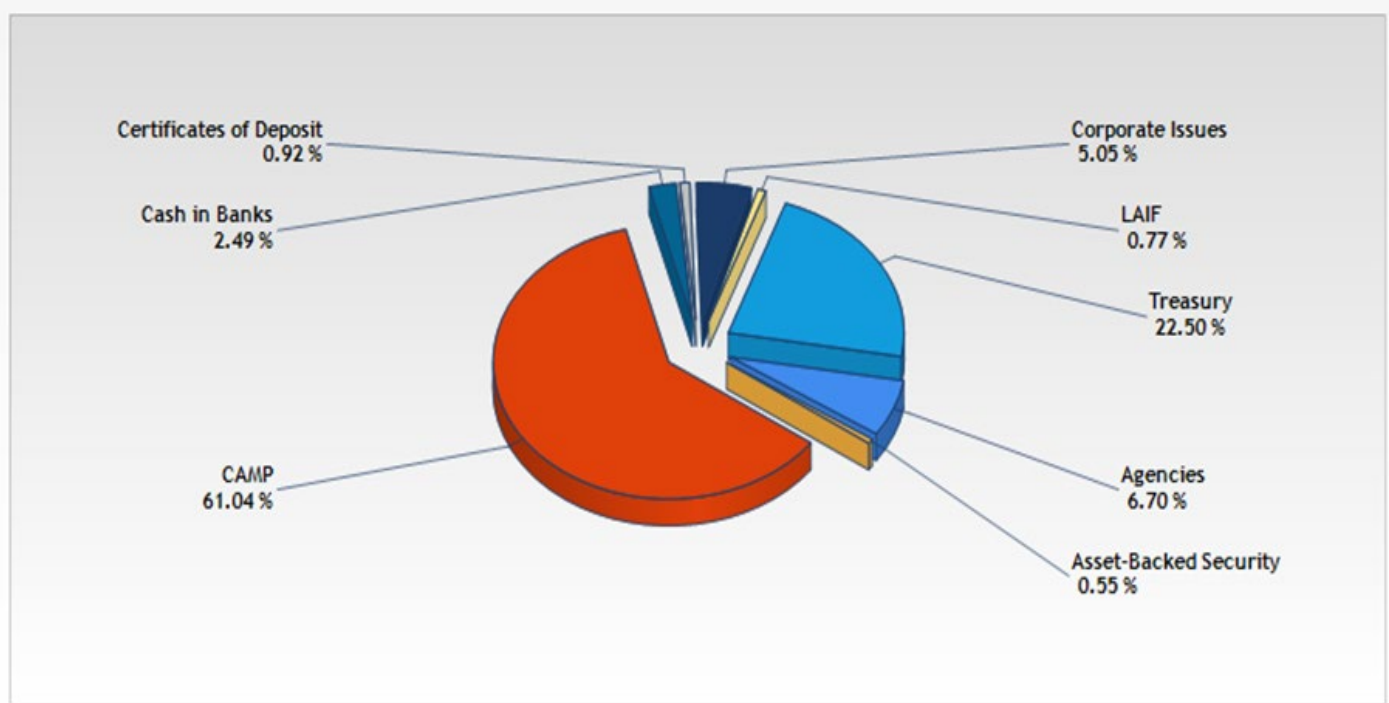
2 Year Treasury: Yield for investing in 2-Year U.S. Treasury security

USD Yield: Summarizes USD portfolio's yield

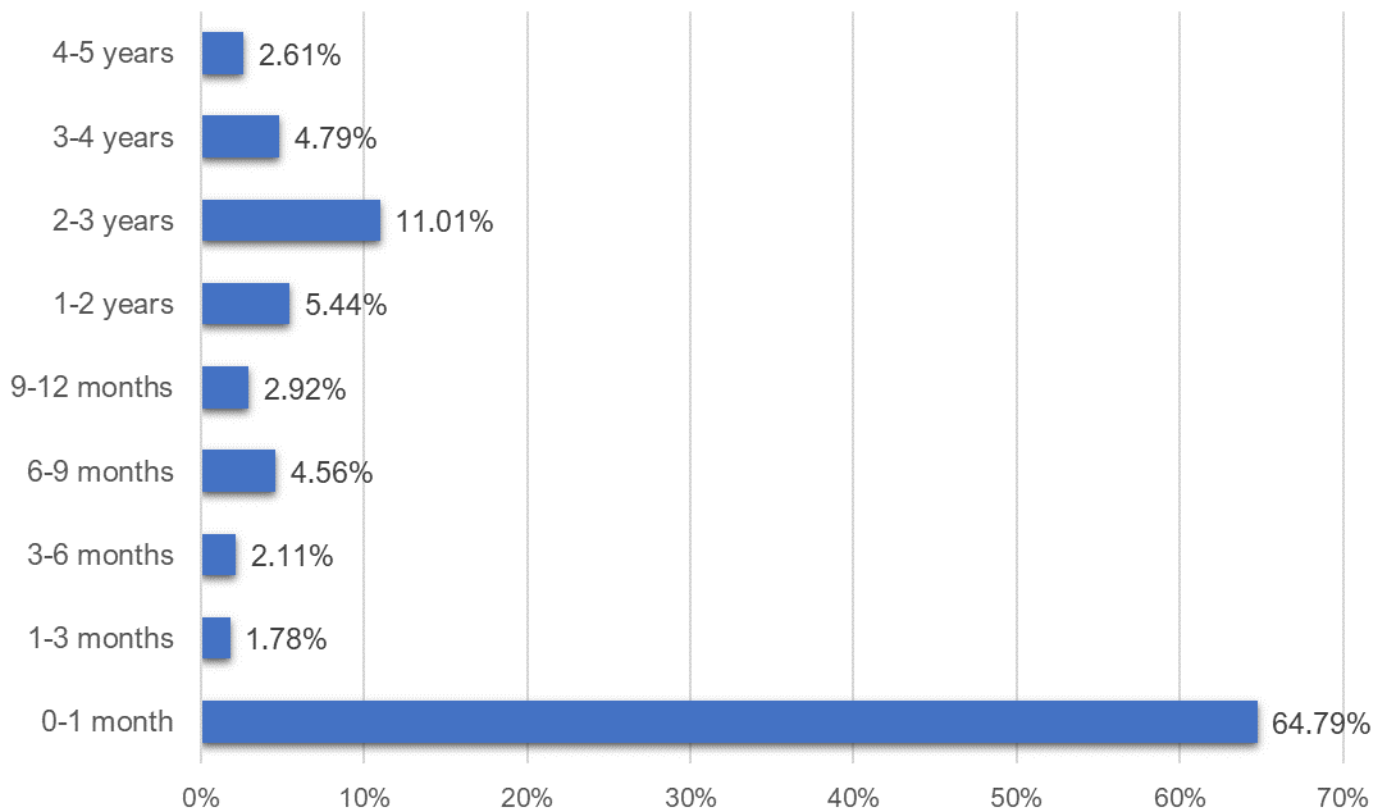
CAMP: California Asset Management Program Yield

Portfolio Holdings by Asset Class and by Maturity Range

Portfolio Holdings Distribution by Asset Class



Portfolio Holdings Distribution by Maturity Range



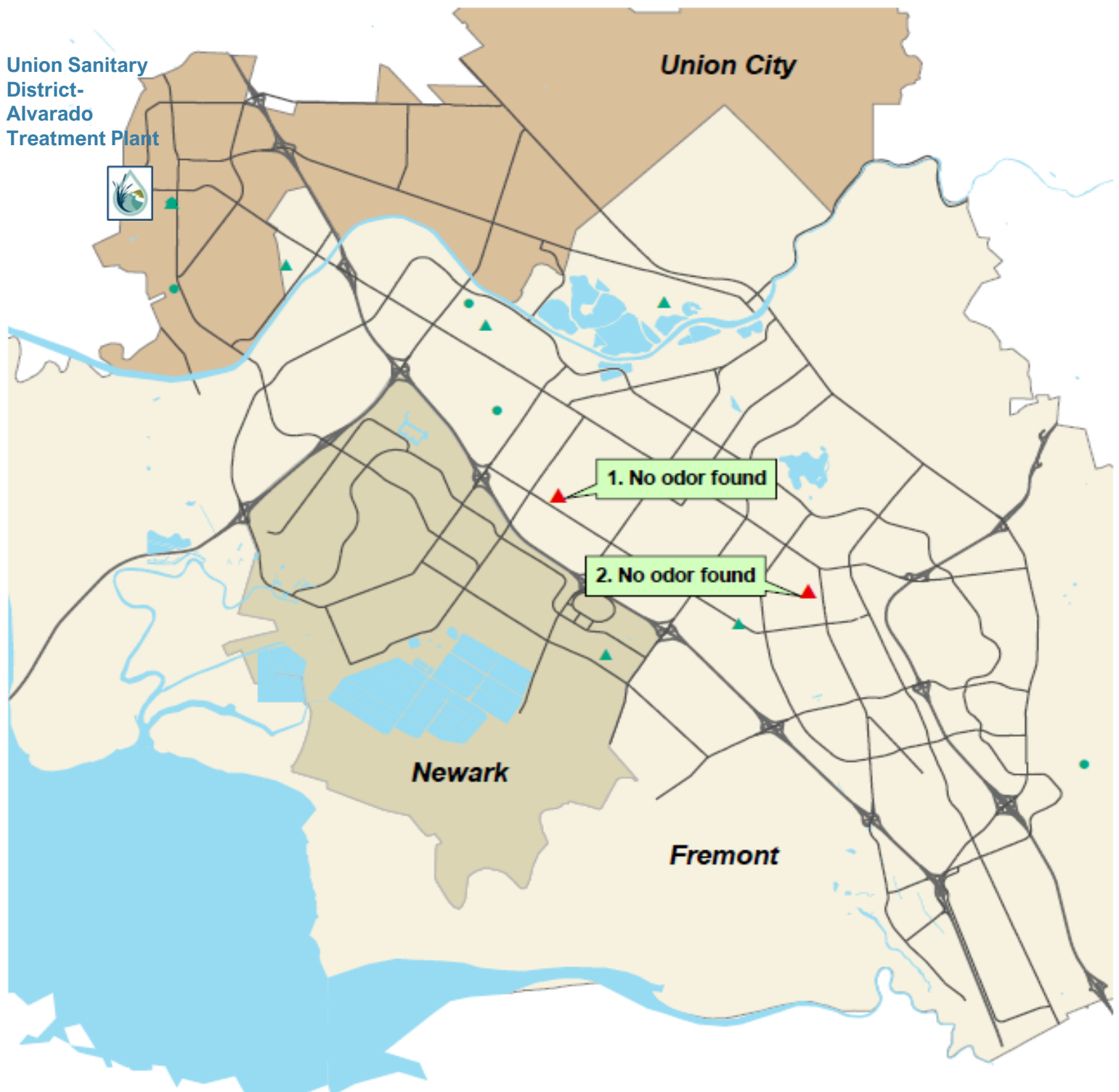
Union Sanitary District Odor Map and Report

During the recording period between December 1, 2022 through December 31, 2022, there were 2 odor related service request(s) received by the District.

City	Fremont		
District Related:	No	Date/Time:	12/20/2022 7:25PM
Location:	Malcolmson Street	Reported by:	Tiffany Cuin
Weather/Temp:	Clear / 45°F	Wind:	North East / 5 mph
Response and Follow-up: Customer report a sewer-like odor near their residence. A USD inspector arrived at the residence where the report was made, no sewer smell was present at time of arrival. There was a smoke smell present and smoke was observed coming from the neighbors' fireplace chimneys. The inspector checked the USD mains in the surrounding area. Flow was observed as normal. Checked the drain inlets in the area and there was no standing water or observed issues. There was no visual evidence of unsanitary or odor causing conditions at the location. The inspector noted that two houses from where odor report was made, the residence is under construction and there is a port-a-potty on property.			

City	Fremont		
District Related:	No	Date/Time:	12/8/2022 10:13AM
Location:	Norris Road	Reported by:	Matt Bosma
Weather/Temp:	Cloudy / 51°F	Wind:	North West / 5 mph
Response and Follow-up: A customer reported that their toilet was bubbling and they smelled a strong sewer-like smell. A USD Trouble Call Inspector responded to the location and conducted an inspection. No smell was detected upon arrival. There was no visual evidence of any unsanitary or odor causing conditions and the USD main was flowing normal. The gas detection monitor did not show any irregular numbers.			

Union Sanitary District Odor Map and Report



Legend

Odor Complaints: December 2022

- ★ Odor found, USD resolved (0)
- Odor found, not related to USD (0)
- ▲ No odor found (2)

Odor Complaints: Jan. to Nov. 2022

- ★ Odor found, USD resolved (1)
- Odor found, not related to USD (9)
- ▲ No odor found (16)

Location of Odor Reports January to December 2022

0 0.5 1 2 3 4 5 Miles





Customer Service Response

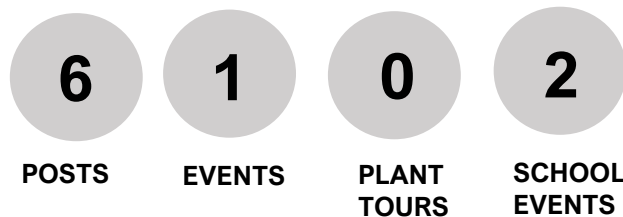
Front Desk Trouble Calls

Service calls that require immediate attention to support customer needs. Dispatched from the Front Desk during business hours.

Total Calls	Fremont	Newark	Union City	Total
Dec-22	10	1	0	11
Nov-22	12	5	3	20
Oct-22	9	0	1	10
Sep-22	6	0	1	7
Aug-22	14	1	2	17
Jul-22	5	1	3	9
6 Month Total				74
Dec-21	11	2	2	15

Communication and Outreach

Includes participation in local events, social media communication, plant tours, and school outreach events.



Social Media Posts:

- WastewaterSCAN – USD participation
- Keep pasta/rice/noodles out of drains
- #WhatIsThat? Surge Tower image and explanation
- FOG post
- Holiday Office Closure 12/23 & 12/26
- Holiday Office Closure 12/30 & 1/2

Events:

- GM Presentation to Mission San Jose Rotary

Other Activities:

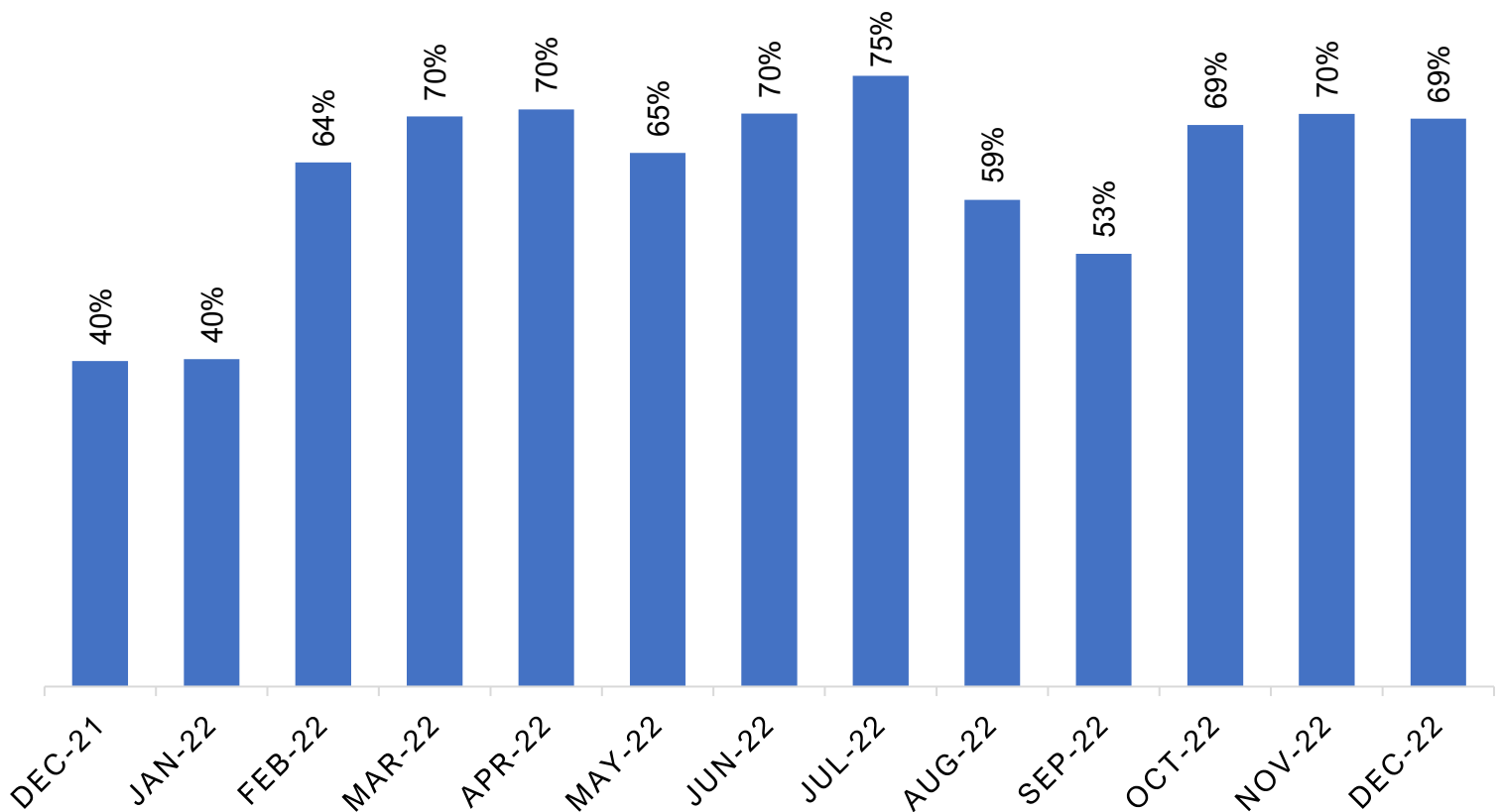
- Communications/Intergovernmental Relations Coordinator participation in Union City Chamber of Commerce Board of Directors planning session
- Placed 34 FOG disposal stickers on turkey fryer boxes



Cogeneration Engines at USD's Wastewater Treatment Plant

The chart below shows the percentage of Plant power usage generated by the District's cogeneration (cogen) engines monthly. The engines use biogas produced by the wastewater treatment process as the primary fuel to generate the majority of the plant's power needs, reducing operating costs.

Cogen Power Produced (% of total Plant load)





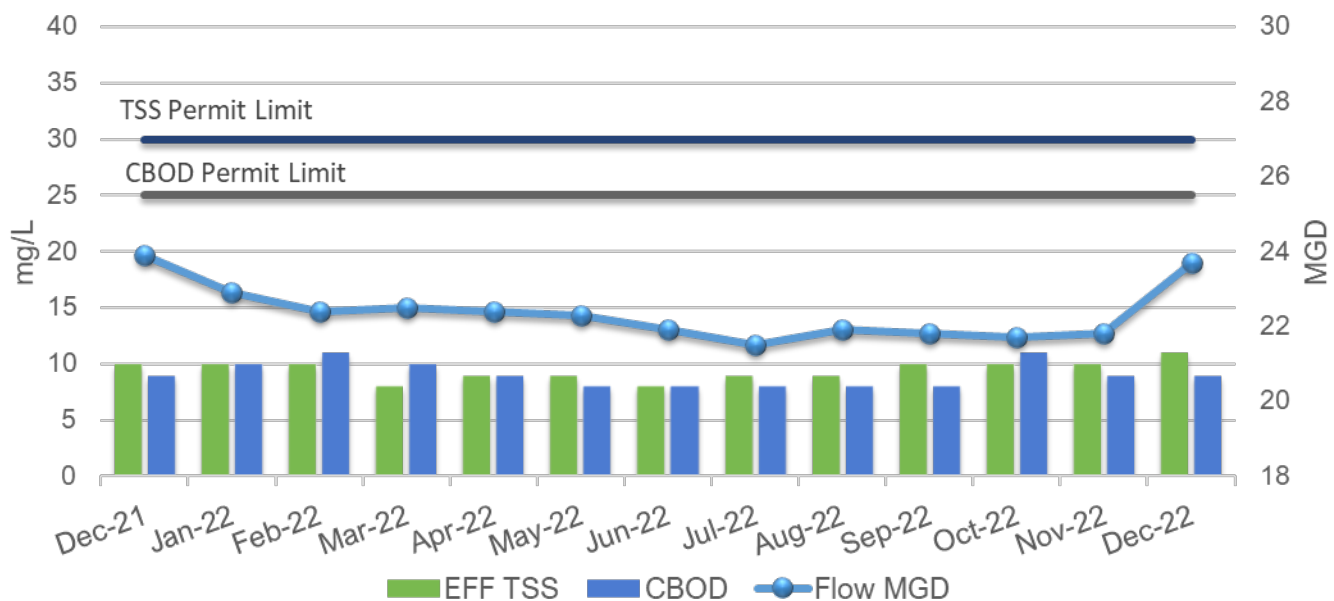
Plant Operations

2022 MONTHLY OPERATIONS REPORT

Lab Monitoring Results

USD's laboratory staff process over 6,200 samples and perform about 17,000 analyses every year to ensure discharges from the plant meet necessary standards.

Lab Results and Effluent Flow



EFF SS: Effluent Suspended Solids **CBOD:** Carbonaceous Biochemical Oxygen Demand **MGD:** Million Gallons per Day

USD's Final Effluent Monthly Monitoring Results

Parameter	Permit Limit	Oct-22	Nov-22	Dec-22
Copper, µg/l	53	7.2	5.9	4.7
Mercury, µg/l	0.066	N/A	0.0028	N/A
Cyanide, µg/l	20	ND 0.9	ND 0.9	ND 0.9
Ammonia- N, mg/L (Range)	86	41.8 - 44	44.9 - 49.1	40 - 47.2
Fecal Coliform, MPN/100ml (Range)				
• 5-Day Geometric Mean	500	43 - 67	33 - 76	32 - 68
• 11-Sample 90th Percentile	1100	66 - 248	248 - 248	248 - 248
Enterococci				
• 6-Week Geometric Mean	280	33	29.6	29.4

E = Estimated Value, concentration outside Calibration Range. ND = Not Detected, result is below Detection Limit.



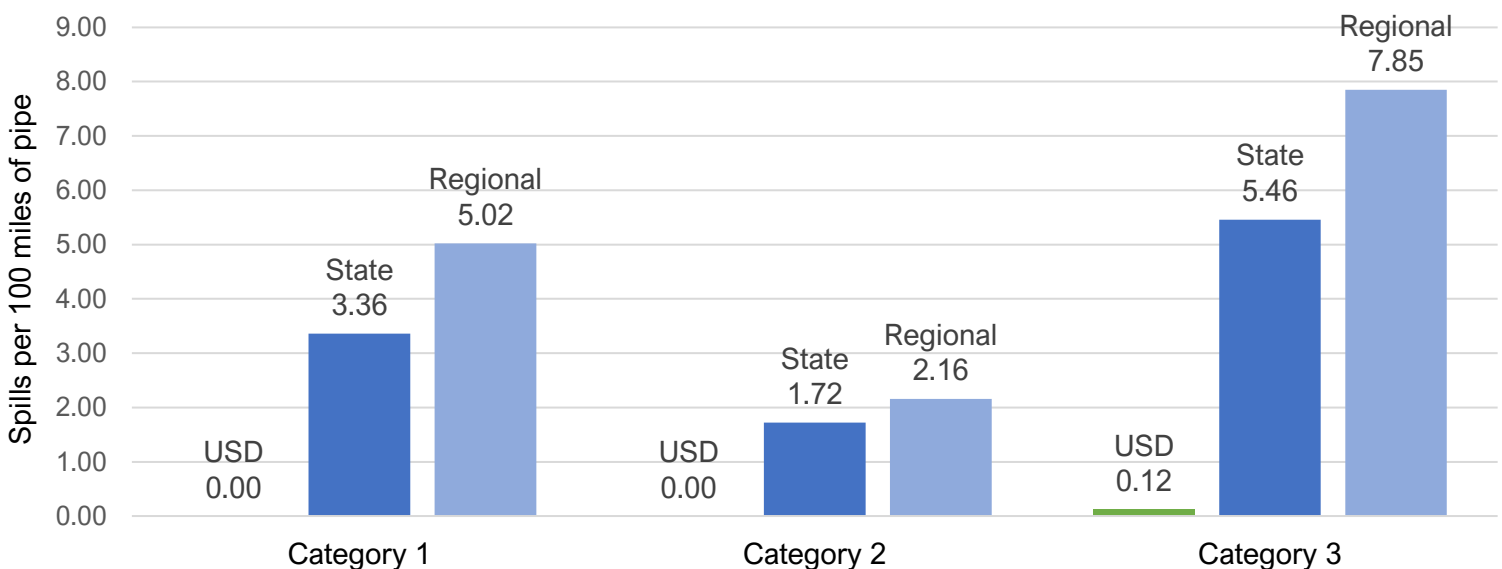
Maintenance Report

2022 MONTHLY OPERATIONS REPORT

Collection System Maintenance Work Completed

The Collection Services Workgroup maintains over 839 miles of gravity sewer through cleaning and televised inspection. They also service 63 District vehicles and maintain 3 buildings. Maintenance of equipment is completed by staff through sewer line repairs and work orders.

**Average Spills per 100 Miles of Sewer Over the Last 12 Months
USD vs. Regional vs. State**



Definition of Spill Categories

- Category 1: 1,000 gallons or more. Discharges to surface water, not fully captured.
- Category 2: 1,000 gallons or more. Does not reach surface water, not fully captured.
- Category 3: 1,000 gallons or less. Does not reach surface water, fully captured.

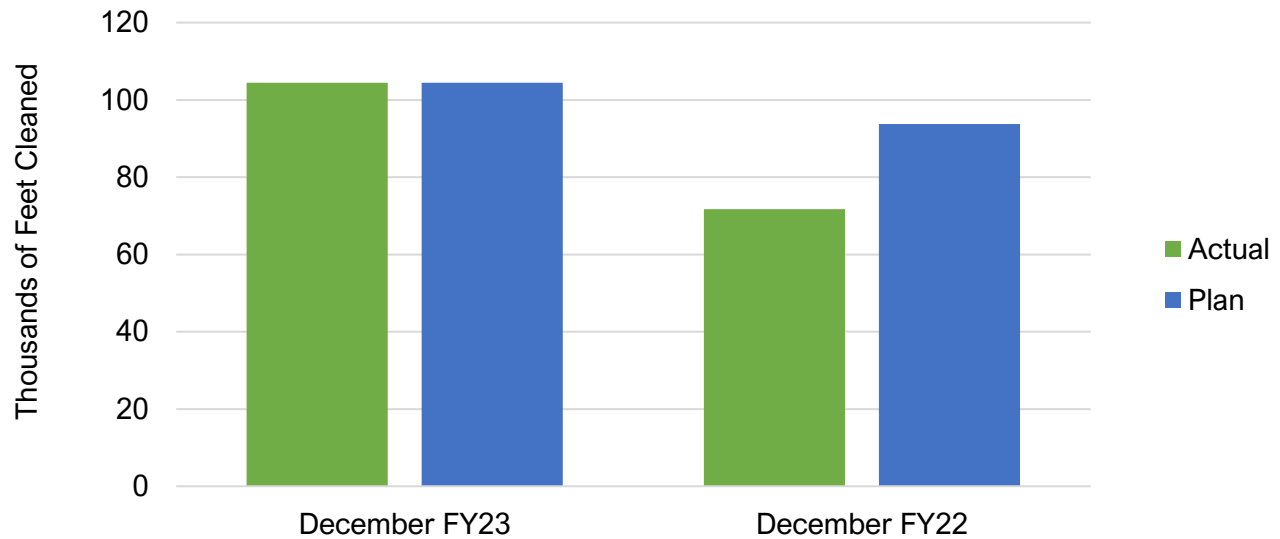
	This Month	Fiscal Year to Date	Historical Monthly Average
Sewer Line Repairs- # of Open Trench	0	0	2
Sewer Line Repairs- # of Trenchless	18	77	14
Work Orders Completed on Vehicles and Buildings	146	1136	171



Maintenance Report

2022 MONTHLY OPERATIONS REPORT

Sewer Line Cleaning



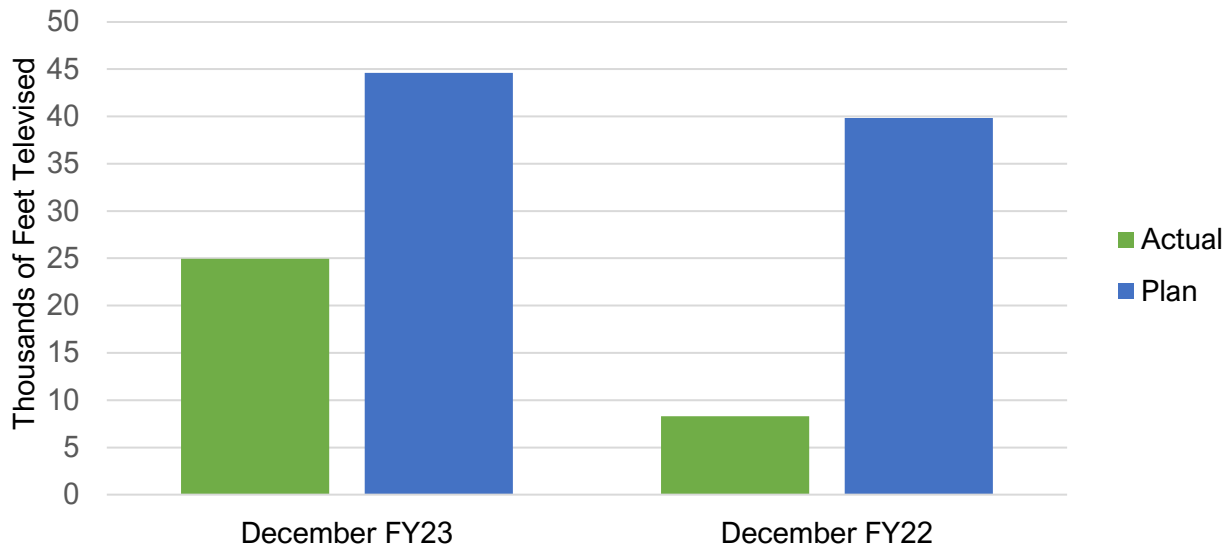
Cleaning Cost per Foot=\$0.74								
Description	FY23 Q1 Footage	Nov-22 Footage	Dec-22 Footage	FY23 Q2 Footage	FY23 YTD Footage	Historical FY22 Footage	FY23 YE Goal	% Completed to Plan
84 Month Hydro-Jet Clean	164,544	39,205	21,622	122,926	287,470	654,851	579,314	49.6%
Selective Line Cleaning	31,441	3,773	21,622	122,926	83,219	196,114	221,641	37.5%
Special Condition Clean (not in total)	1,390	1,651	1,087	4,184	4,184	32,029	28,940	14.5%
Root Control/Chemical Clean	42,723	61,030	55,722	161,568	204,291	320,841	410,502	49.8%
Cast Iron Cleaning	1,270	2,043	785	5,508	6,778	-	6,293	
Totals	239,978	106,051	104,447	341,780	581,758	1,171,806	1,217,750	47.8%



Maintenance Report

2022 MONTHLY OPERATIONS REPORT

Sewer Line Inspection and Televising



Televising Cost per Footage=\$1.05								
Description	FY23 Q1 Footage	Nov-22 Footage	Dec-22 Footage	FY23 Q2 Footage	FY23 YTD Footage/Count	Historical FY22 Footage/Count	FY23 Goal	% Completed to Plan
84 Month TV Inspection	108,880	35,099	24,934	120,029	228,909	481,639	477,964	47.9%
84 Month Manhole Inspection Count	525	137	14	297	822	1,163	2,468	33.3%
Visual/Condition, Pre/Post Cnst TV (not in total)	-	-	-	-	-	1,793	11,704	0.0%
Visual Manhole Inspection Count (not in total)	79	-	22	26	105	329	-	-
New Development, CIP, Misc (not in total)	1,507	210	6,184	6,394	7,901	33,140	34,056	23.2%
QA/QC Line Condition	-	-	-	-	-	19,201	16,074	0.0%
QA/QC Root Control	20,286	10,739	-	2,064	41,050	22,270	41,108	99.9%
Totals	129,166	45,838	24,934	140,793	269,959	523,110	535,146	50.4%

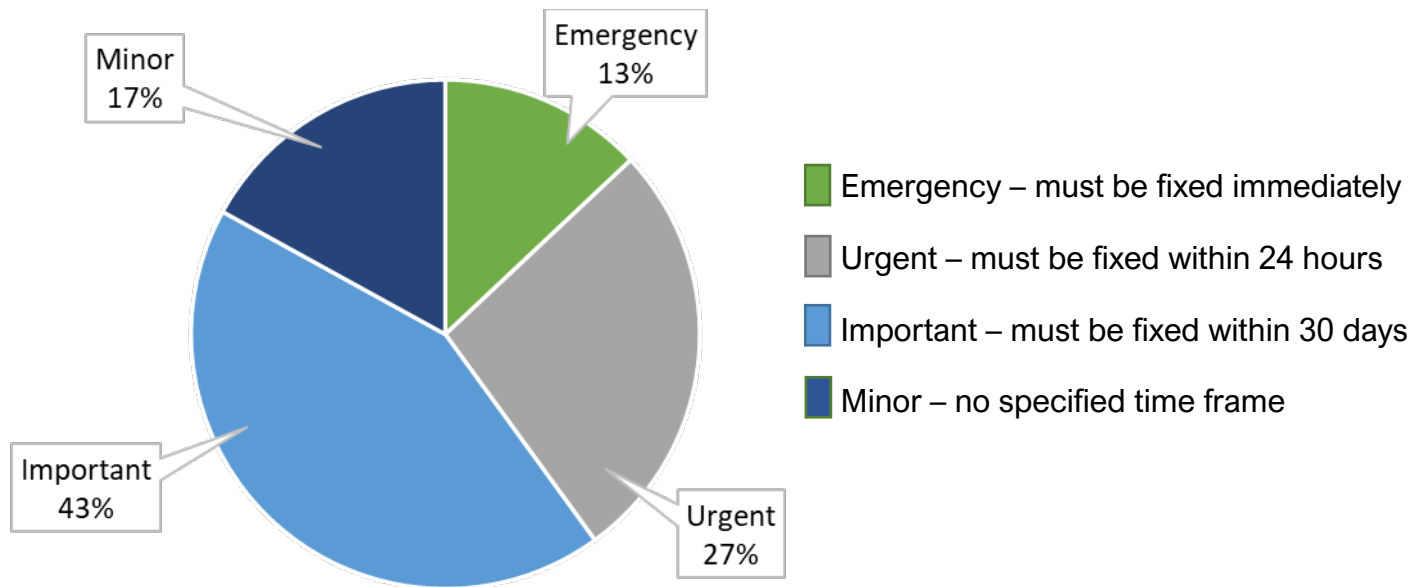


Maintenance Report

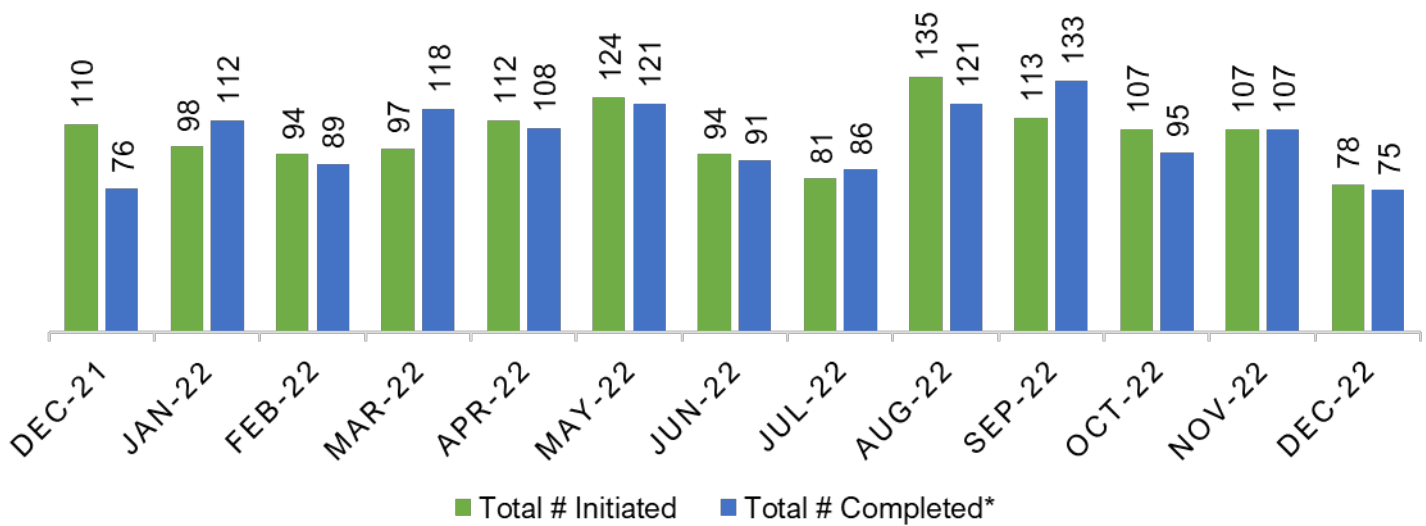
2022 MONTHLY OPERATIONS REPORT

Plant and Pump Stations Maintenance Work Completed

Equipment at our Plant and Pump/Lift stations is maintained by mechanics and other staff through completion of work orders. Staff completed **93.59%** of preventative maintenance activities for the month in addition to the following shown below.



Work Orders Initiated and Completed



*The number of work orders completed in a month is dependent upon several factors including the availability of necessary parts and the amount of time required by staff to accomplish a given task.



Maintenance Report

2022 MONTHLY OPERATIONS REPORT

Information Technology

USD’s Information Technology (IT) staff install, upgrade, and maintain District computers and software systems. IT staff responsibilities include ongoing maintenance of systems critical to operation of our wastewater treatment plant and pump stations.

IT Help Desk Tickets



Managed and Hosted IT Asset Uptime

Asset Name	USD Managed or Hosted by Third Party	% Up time
USD Website	Hosted	100%
Email Server	Hosted	99.93%
Newark Pump Station	USD Managed	99.96%
Boyce Pump Station	USD Managed	100%
Irvington Pump Station	USD Managed	99.98%
SCADA	USD Managed	100%
Total Average of All USD Servers	USD Managed	98.91%

The majority of our IT network assets are maintained onsite by IT staff with an uptime target of 99.90%. Additional assets, such as the USD website, are hosted externally by a third party.



Capital Improvement Projects

2022 MONTHLY OPERATIONS REPORT

Capital Improvement Project (CIP) Activities

Our engineers manage and coordinate project activities including completion of studies, designing of future projects, and project management of construction work at our Plant, Pump Stations, gravity sewer network, and Force Mains.

Current CIP Projects – Budget and % complete

Current (FY23) CIP Projects	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Alvarado Influent Pump Station Improvements Project	\$9,028	\$8,420	11/21	99%
2 – Force Main Corrosion Repairs Project – Phase 3	\$1,064	\$1,017	10/22	96%
3 – Irvington Basin Reinforced Concrete Pipe Rehabilitation Project	\$5,291	\$3,751	12/22	71%
4 – Primary Digester No. 7 Project	\$23,783	\$22,901	5/22	99%
5 – Standby Power Generation System Upgrade Project	\$21,135	\$2,137	6/24	10%



Digester #7 Project

[Click here to see time lapse video](#)



Capital Improvement Projects

2022 MONTHLY OPERATIONS REPORT

Design Phase – Budget and % of Completed Scope

Current (FY23) Design Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Cherry Street Pump Station Improvements Project	\$72	\$99	6/21	100%
2 – Plant Miscellaneous Improvements Project	\$199	\$199	9/22	100%
3 – Pump Stations Chemical System Improvements Project	\$762	\$753	10/21	100%
4 – Sodium Hypochlorite Loop Improvements Project	\$280	\$276	9/22	100%
5 – Switchboard No. 3 and MCC No. 25 Replacement Project	\$95	\$69	7/22	73%
6 – WAS Thickener Replacement Project	\$807	\$801	6/21	100%
7 – Force Main Corrosion Repairs Project – Phase 4	\$68	\$0	3/23	0%

Study Phase – Budget and % of Completed Scope

Current (FY23) Study Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Cogeneration Replacement and Ventilation Study	\$142	\$131	7/22	93%
2 – Energy Resiliency Study	\$256	\$174	12/22	68%
3 – Force Main Condition Assessment	\$121	\$32	10/22	60%
4 – Headworks Degritting Study	\$200	\$136	10/22	68%
5 – Odor Control Alternatives Study	\$504	\$476	12/20	99%
6 – Primary Digester No. 8 Feasibility Study	\$111	\$97	9/22	80%
7 – Pump Stations Condition Assessment Study	\$250	\$180	8/22	85%
8 – Sea Level Rise Study	\$162	\$156	11/22	96%
9 – Thermal Dryer Feasibility Study	\$128	\$121	7/22	95%
10 – 2022 Local Limits Study	\$44	\$0	12/22	80%



Permitting and Inspections

2022 MONTHLY OPERATIONS REPORT

Sewer Permits Issued

Permits issued upon approved completed plans.

Month	Repairs	Mains	New Laterals*	Secondary Units	Restaurants	Other**	Total
Dec-22	9	0	6	2	1	2	20
Nov-22	16	4	7	2	0	11	40
Oct-22	23	1	51	9	1	5	90

*New Laterals- New residential lateral connections

**Other- Non-residential construction (except restaurants)

Storm Water Inspections (City of Fremont)

Under contract with City of Fremont's Environmental Services Group, our inspectors conduct routine inspections and document enforcement actions.

Total Inspections		Total Monthly Enforcements						
Current Month	Fiscal Year to Date	Verbal Warning	Warning Letter	Notice of Violation	Admin Fine	Legal Action	Notice of Deficiency	Total
86	571	1	0	0	9	0	0	10

Pollution Prevention Inspections

Environmental Compliance conducts pollution prevention inspections at restaurants, car wash businesses, and other commercial facilities.

Total Inspections		Total Monthly Enforcements						
Current Month	Fiscal Year to Date	Verbal Warning	Warning Letter	Notice of Violation	Admin Fine	Legal Action	Notice of Deficiency	Total
41	340	4	6	0	0	0	0	10

Permitted Industrial Businesses

City	Industrial Permits
Fremont	59
Newark	14
Union City	12

Examples of Permitted Industrial Businesses:

- Tesla
- Washington Hospital
- US Pipe
- Western Digital
- Lam Research



Staffing and Personnel

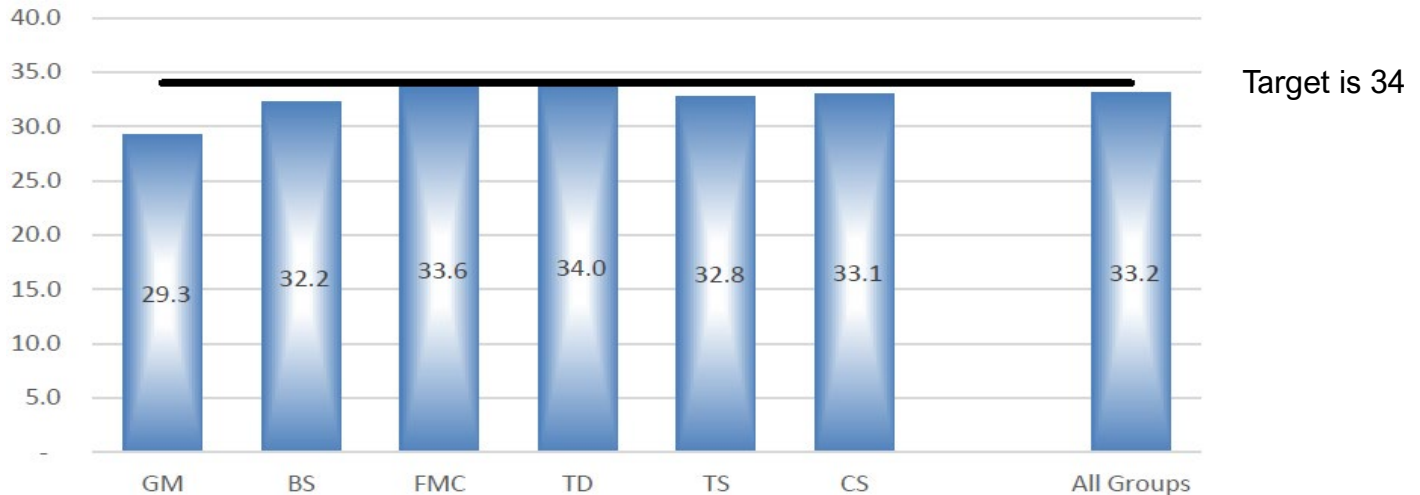
2022 MONTHLY OPERATIONS REPORT

Hours Worked and Leave Time by Work Group

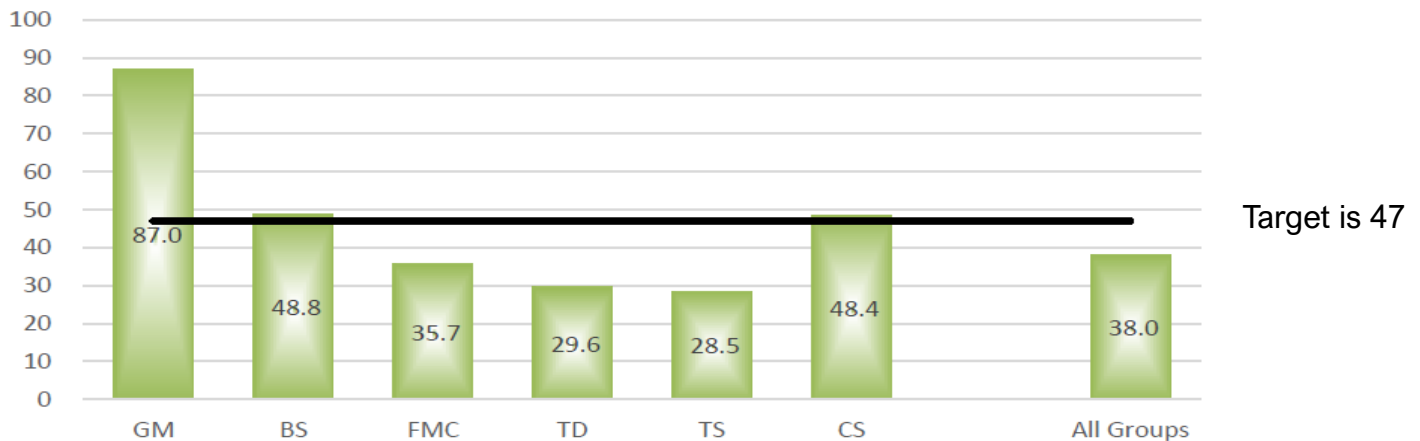
June 23, 2022 through December 21, 2022

Weeks to Date: 26 out of 52 (50.0%)

At-Work Hours Per Employee Per Week



Average Annual Sick Leave Used Per Employee Per Date



Recruitments

Position	Position Posted	Status
Coach, Customer Service (Development Engineering Supervisor)	7/6/2022	Richard Thow – DOH 1/30/2023.
Junior/Assistant/Associate Engineer – CIP (2)	8/8/2022	Guadalupe Leon, Junior Engineer – DOH 1/3/2023. Recruitment for second position in process.
Instrument Technician/Electrician	9/16/2022	Recruitment in process. Final candidate in background process.



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**JANUARY 23, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 8**

TITLE: Review and Consider Approval of Updated Policy No. 5334, Equal Employment Opportunity (*This is a Motion Item*)

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Mark Carlson, CFO/Business Services Work Group Manager
Alisa Gordon, Human Resources Manager

Recommendation

Review and approve proposed changes to Policy No. 5334, Equal Employment Opportunity.

Discussion

Effective January 1, 2023, California State Senate Bill (SB) 523, the Contraceptive Equity Act of 2022, added “reproductive health decision-making” to its list of protections under the Fair Employment and Housing Act (FEHA). As defined in the bill, reproductive health decision-making means “a decision to use or access a particular drug, device, product, or medical service for reproductive health.” The new law makes it unlawful for an employer to discriminate against an employee on this basis.

As a result of SB 523, “reproductive health decision-making” is now protected under the category of “sex/gender”. FEHA’s “sex/gender” category also protects pregnancy status, childbirth, breastfeeding, and related medical conditions from illegal discrimination. Policy 5334 has been updated to reflect the addition of “reproductive health decision-making” per SB 523.

Background

Policy No. 5334 provides guidelines to staff on State and Federal laws regarding protected categories and statuses when considering a person for employment. The policy outlines the protections afforded to protected categories as well as the reporting and investigation procedures to maintain equal opportunities throughout employment. This policy is scheduled for review every five (5) years.

Staff recommends the Board adopt the changes shown in strike and bold on the attached and set the date for the next review for July of 2028.

Previous Board Action

08/12/2019 Board Meeting – Approval of Policy No. 5334, Equal Employment Opportunity

Attachment: Redline of Policy No. 5334
Clean version of Policy No. 5334

Union Sanitary District
Policy and Procedure Manual

	Equal Employment Opportunity	Policy Number 5334
Effective: <u>8/2019</u> <u>1/1/2023</u>		Page 1 of 2

Policy

Union Sanitary District will provide equal opportunity for all persons in all protected categories as defined by state or federal law. Consistent with this policy, the District is committed to recruit, hire, train, and promote the most qualified applicants or employees and carry out all other employment actions without regard to their protected status as defined by the State or Federal law.

All personnel decisions, including those related to compensation; benefits; transfers; discharges; layoffs; and all other terms, conditions, and privileges of employment will be administered without regard to their protected status as defined by state or federal law. This policy prohibits treating individuals differently because of the individual's protected classification as defined in this policy.

Definition

Protected Categories/Status: State or federal law protects individuals based on race, religion, color, sex (including reproductive health decision-making, gender, pregnancy, childbirth, breastfeeding and related medical conditions), gender, gender expression and gender identity, sexual orientation, national origin, ancestry, citizenship status, uniformed service member status, marital status, age (40 or over), medical conditions, AIDS/HIV, genetic information, physical or mental disability, political affiliations or activities, status as a victim of domestic violence, assault, or stalking. Opposition to unlawful harassment, association with a person that has any of the protected characteristics, and perception that a person has any of the protected characteristics.

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Procedure

Reporting: If any employee believes that equal employment opportunity has not been afforded him/her consistent with this policy, the employee shall immediately inform his/her Coach, or alternatively, the Human Resources Manager, verbally or in writing. The Human Resources Manager will receive the verbal or written report of any applicant for employment who believes that equal employment opportunity has not been provided.

Investigation: Union Sanitary District will investigate any such report and will take corrective action as deemed necessary.

Management Responsibility

Management will implement, maintain, and enforce this policy, as well as make employment decisions consistent with this policy.

Employee Responsibility

Employees are responsible for complying with this policy.

Supersedes Policy Dated: 03/22/99, 10/07, **08/19**

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Approved by: Board of Directors
Author/Owner: Human Resources Manager
Reviewers: Executive team
Notify Person: Human Resources Manager
Review Frequency: 5 years
Next review Date: ~~7/2024~~ 01/2028

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Union Sanitary District
Policy and Procedure Manual

	Equal Employment Opportunity	Policy Number 5334
Effective: 1/1/2023		Page 1 of 2

Policy

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Procedure

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Supersedes Policy Dated: 03/22/99, 10/07, 08/19

Approved by:	Board of Directors
Author/Owner:	Human Resources Manager
Reviewers:	Executive team
Notify Person:	Human Resources Manager
Review Frequency:	5 years
Next review Date:	1/2028



**JANUARY 23, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 9**

TITLE: Consider a Motion to Modify the July 10, 2023, Board Meeting, and Cancel the November 27, and December 25, 2023, Board Meetings (*This is a Motion Item*)

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

Recommendation

Consider a motion to modify the July 10, 2023, Board Meeting, and cancel the November 27, and December 25, 2023, Board Meetings.

Discussion

The first regularly scheduled meeting of the Board of Directors in July falls on the week after the 4th of July holiday. District offices will be closed on Tuesday, July 4, 2023, in observance of Independence Day. Due to the holiday closure, Board meeting packet production and committee meetings will be impacted. Staff recommends the Board consider the following options:

1. Cancel the July 10, 2023, Board meeting.
2. Keep the July 10, 2023, Board meeting as scheduled and conduct committee meetings on July 6 and 7, 2023.
3. Cancel the July 10, 2023, Board meeting and schedule a special meeting to be held the following week on July 17, 2023.
4. Cancel the July 10, 2023 and July 24, 2023, Board meetings and schedule special meetings to be held July 17, 2023 and July 31, 2023. Below is a visual representation of this option:

July 2023

Monday	Tuesday	Wednesday	Thursday	Friday
				1
3	4	5	6	7
10	11	12	13	14
17	18	19	20	21
24	25	26	27	28
31				

Holiday	Regular Scheduled Board Meeting Date	Potential Special Meeting Date
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The second regularly scheduled meeting of the Board of Directors in November falls on the Monday after Thanksgiving. District offices will be closed Thursday, November 23 and Friday November 24, in observance of the Thanksgiving holiday. Due to the holiday closure, committee meetings would have to be conducted on Wednesday, November 22, 2023. Staff recommends the Board consider the following options:

1. Cancel the November 27, 2023, Board meeting.
2. Keep the November 27, 2023, Board meeting as scheduled.
3. Cancel the November 27, 2023, Board meeting and schedule a special meeting for the Monday before Thanksgiving on November 20, 2023.

The second regularly scheduled meeting of the Board of Directors in December falls on Christmas Day. District offices will be closed Monday, December 25 and Tuesday, December 26, 2023, in observance of the Christmas holiday. Staff recommends the Board consider the following options:

1. Cancel the December 25, 2023, Board meeting.
2. Cancel the December 25, 2023, Board meeting and schedule a special meeting for December 18, 2023.

Background

The Board has considered canceling Board meetings impacted by holidays depending upon the impact holidays have on the District's schedule.

Previous Board Action

None



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Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**JANUARY 23, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 10**

TITLE: **Authorize the General Manager to Execute Contract Change Order No. 47 with C. Overaa and Co. for the Primary Digester No. 7 Project (*This is a motion item*)**

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Raymond Chau, Technical Services Work Group Manager
Curtis Bosick, CIP Team Coach

Recommendation

Staff recommends the Board authorize the General Manager to execute Contract Change Order No. 47 with C. Overaa and Co. for a credit of \$110,000 for the Primary Digester No. 7 Project.

Discussion

Glass lining is typically used in sludge piping to reduce the likelihood of clogging due to grease buildup and/or struvite formation. In addition to a superior nonstick surface, glass lining is also chemical- and corrosion-resistant when compared to other pipe lining materials. Accordingly, glass-lined ductile iron pipe/fittings ranging in size from 4" to 10" were specified for all sludge piping for the Primary Digester No. 7 Project (Project). The glass-lined ductile iron pipe/fittings were purchased and installed by the contractor, C. Overaa and Co. (Overaa), and supplied by U.S. Pipe.

During construction staff discovered that a portion of the glass-lined ductile iron pipes and fittings provided for the Project did not meet the contract specifications, which require a minimum glass lining thickness of 10 mils. (One mil is equal to one-thousandth of an inch, or 0.001 inch.) Field testing was conducted by U.S. Pipe, and the results demonstrated that roughly 30 percent of the pipes and fittings had a nominal glass lining thickness of 7 to 8 mils. Although these pipes and fittings did not meet the contract requirements, U.S. Pipe claimed this variance would have no impact on overall longevity or effectiveness of the piping system.

To validate U.S. Pipe's claim, staff reached out to other consultants for their opinion on this issue. The feedback received is summarized as follows:

- Although failure is uncommon, it is believed that if glass lining was going to fail it would likely do so within the first 5 years.
- Glass lining is very hard and smooth; therefore, wear down should be minimal. However, grit abrasion in wastewater applications is inevitable which could potentially reduce the 100-year useful life of the glass-lined ductile iron pipe/fittings.
- Within the next 50 to 75 years, the digester would likely need an overhaul that could include replacement of the glass-lined ductile iron pipe/fittings.

Based on this information and the fact that the majority of the piping system was already installed when the non-conforming glass-lined ductile iron pipe/fittings were discovered, staff believed it was in the District's best interest to negotiate a settlement with Overaa in lieu of requiring replacement. Furthermore, replacement of all non-conforming glass-lined ductile iron pipe/fittings was expected to delay the Project by a minimum of six months.

Contract Change Order No. 47

Contract Change Order (CCO) No. 47 is a credit change order that accounts for all of the costs and schedule impacts associated with the glass lining issue. In lieu of replacing all non-conforming glass lined ductile iron pipes/fittings required to meet the specifications, Overaa has agreed to provide the District with the following:

1. Ten-year extended warranty for all glass lined pipe and fittings; this warranty includes the issuance of a \$750,000 warranty/maintenance bond.
2. Deductive change order in the amount of \$110,000.

To date, the Project construction has included 46 CCOs in the amount of \$355,237, which is approximately 1.5% of the original contract amount. A complete list of the executed CCOs is included with CCO No. 47.

Primary Digester No. 7 has been successfully commissioned and the Project was substantially complete on May 26, 2022. Staff and Overaa continue to work on resolving/completing all outstanding disputes and punchlist work.

Background

The Project was one of the outcomes of the Plant Solids System/ Capacity Assessment – Phase 1 that was completed in November 2016. The assessment concluded that the plant's anaerobic digestion process was at or nearing capacity and Primary Digester No. 6, the largest existing digester, could not reliably be taken out of service for cleaning and maintenance until additional digestion capacity is provided.

Brown and Caldwell completed the Project's final design in June 2019. The Project's major elements are as follows:

- Construction of a new 2.4-million-gallon anaerobic digester with submerged-fixed concrete cover and waffle bottom.
- Installation of new heating, mixing, and conveyance equipment and piping within or adjacent to existing Heating and Mixing Building No. 4.
- Integration of new digester equipment and piping with existing digester feed, withdrawal, transfer, heating, and gas systems.
- Improvements to the existing sludge conveyance and transfer systems.
- Improvements to existing digester heat generation and conveyance systems.
- Installation of electrical and instrumentation equipment for interfacing with existing electrical systems and controls.
- Replacement of Boiler No. 6 and related plant hot water loop improvements.
- Installation of a new chemical storage and pump facility for the purposes of hydrogen sulfide and struvite management.

On January 13, 2020, Overaa was awarded the construction contract in the amount of \$23,342,575. Staff issued the Notice to Proceed on February 10, 2020.

Previous Board Action

November 14, 2016 – The Board authorized the General Manager to execute an Agreement and Task Order No. 1 with Brown and Caldwell in the amount of \$127,577 to provide preliminary design services for the Project.

December 18, 2017 – The Board authorized the General Manager to execute Task Order No. 2 with Brown and Caldwell in the amount of \$1,476,301 to provide final design services for the Project.

November 12, 2018 – The Board held a public hearing to receive comments regarding the Initial Study and Mitigated Negative Declaration for the Project.

December 10, 2018 – The Board adopted the Final Mitigated Negative Declaration of Environmental Impacts and Mitigation and Monitoring and Reporting Plan for the Project.

January 28, 2019 – The Board authorized the General Manager to execute Amendment No. 1 to Task Order No. 2 with Brown and Caldwell in the amount of \$428,143 to provide additional design services for the Project.

August 26, 2019 – The Board rejected the sole bid received for the Project and authorized staff to re-bid the Project.

January 13, 2020 – The Board rejected the bid protest from Kiewit Infrastructure West Co. and awarded the construction contract for the Project to C. Overaa & Co. in the amount of \$23,342,575.

January 27, 2020 – The Board authorized the General Manager to execute Task Order No. 3 with Brown and Caldwell in the amount of \$957,403 to provide engineering services during construction of the Project.

January 27, 2020 – The Board authorized the General Manager to execute Task Order No. 2 with Carollo Engineers, Inc. in the amount of \$1,643,314 to provide construction management services for the Project.

November 8, 2021 – The Board authorized the General Manager to execute Contract Change Order No. 32 in the amount of \$146,920 with C. Overaa & Co. for the Project.

Attachment: Contract Change Order No. 047 – Glass Lined Ductile Iron Pipe/Fittings

CONTRACT CHANGE ORDER No. 047

Primary Digester No. 7 Project

Item: Glass Lined Ductile Iron Pipe/Fittings

Contractor is hereby directed to make the herein described changes from the plans and specifications or do the following work not included in the plans and specifications of this contract. All new work herein described shall be done in accordance with the applicable provisions of the plans and specifications, except as specifically modified by this Contract Change Order.

DESCRIPTION OF CHANGE: The contract documents specified a minimum glass lining thickness of 10 mils for all glass lined ductile iron pipes/fittings. Results from quality control testing showed that roughly 30% of the pipe sections tested have an average thickness below this requirement, in the 7-8 mil range. In lieu of replacing all non-conforming glass lined ductile iron pipes/fittings required to meet the specifications, the Contractor has agreed to provide the District with the following:

1. 10-year extended warranty for all glass lined pipe and fittings; this warranty includes the issuance of a \$750,000 warranty/maintenance bond utilizing the attached form.
2. Deductive change order in the amount of \$110,000.

This change order covers all costs and schedule impacts associated with this issue and takes into consideration any potential service life reduction in glass lined ductile iron pipes/fittings and future increases in struvite formation.

COST OF CHANGE: (\$110,000.00) Deduct

CONTRACT TIME AJUSTMENT: 0 Days

We, the undersigned Contractor, have given careful consideration to all aspects of the change proposed and hereby agree. This Contract Change Order constitutes full and complete compensation for all labor, equipment, materials, overhead, profit, any and all indirect costs and time adjustment, including any delay and rescheduling, required to perform the above described change and will accept this Contract Change Order as full and final payment.

This document supplements the Contract Documents and all provisions of the Contract Documents will apply thereto. It is understood that the Contract Change Order shall be effective when fully executed by the District.

ACCEPTED:

C. Overaa & Co.

By: _____
Nick Kebbas

Date: _____

RECOMMENDED FOR ACCEPTANCE:

Union Sanitary District
Project Manager:

By: _____
Curtis Bosick, P.E.

Date: _____

Union Sanitary District
Technical Services Manager:

By: _____
Raymond Chau, P.E.

Date: _____

APPROVAL:

The Contractor shall not commence with the above-described work of this change order prior to the approval by the District's Authorized Representative.

Union Sanitary District
Authorized Representative:

By: _____
Paul R. Eldredge, P.E.
General Manager/District Engineer

Date: _____

Executed Contract Change Orders

No.	Contract Change Order Title	Contract Time Adjustment, Calendar Days	Cost of Change
001	Share Costs of Project Partnering Workshop	0	\$2,825
002	Provide 316 SST Pipe and Fittings at Roof Penetrations for Secondary Digesters 1 and 2	0	\$9,287
003	Ductbank Modifications	0	\$73,564
004	Extension of Interim Milestone No. 1 Completion Date	0	0
005	"Mass Concrete" Requirements for Digester No. 7 Grade Beams	6	\$19,000
006	Revisions to FRP Single Wall Tank Accessories	0	\$7,600
007	Deletion of Southern Light Pole Relocation	0	-\$6,806
008	Gas Mixing Compressor Bypass Valves & Bypass Boiler Network Wiring	0	\$12,814
009	Temporary Metal Repair of West Force Main Pipe at the Alvarado Influent Valve Box	0	\$21,405
010	Relocate Cleanouts TWAS & TPS Piping HMB4 Gallery	0	\$19,620
011	Revise Hand Hole Elevation at West Access Road	0	\$2,406
012	Unforeseen Costs for Work at Electrical Manhole No. 7	0	\$6,325
013	Relocation of Existing DG Flow Meter at Digester 6	0	\$8,426
014	Additional Conduit and Wire to Boiler Flow Meters	0	\$5,991
015	Credit for Machine Excavation of SD Lines in Lieu of Hand Excavation	0	-\$65,153
016	Additional Asphalt Patch Paving	0	\$31,914
017	Exploratory Excavation for W1 Leak	0	\$6,103
018	Relocate TIT 20699 at Boiler No. 7	0	\$1,124
019	Replace Seal Water Station at Sludge Recirculation Pump No. 6	0	\$1,556
020	Replace Seized Valves at Digester No. 6	0	\$3,854
021	Remove/Relocate Conflicting Lights at HMB #4	0	\$3,905
022	Revisions to Digested Sludge Piping at HMB #4	0	\$25,594
023	Revise Equipment Tagging at HMB #4	0	\$17,706
024	Reconfigure Hot Water Three-way Valve	0	\$16,262
025	West Access Road Modifications	0	\$30,478

026	Plexiglass Splash Shields at Iron Salts Metering Pumps	0	\$4,004
027	Additional Material Costs for Dome Stiffeners	0	\$4,867
028	Digester Sludge Piping Trench Modifications	0	-\$16,738
030	Storm Drain Revisions	0	\$18,766
031	Revised Control Narratives	0	\$1,830
032	Additional Site Paving	0	\$146,920
033	Install Two Flow meters at Sludge Recirculation Pump and Foam Suppression Pump	0	\$25,165
034	Bid Item No. 3 Reconciliation – Differing Site Conditions (Allowance)	0	-\$60,000
035	Additional Construction Joints in Ring Footing	7	\$12,366
036	Hot Water Bypass System Credit	0	-\$53,163
037	Digester No. 7 CLSM Investigation	14	0
038	Digester No. 7 Excavation Credit	0	-\$43,363
039	Credit for Machine Excavation of Ductbank in Lieu of Hand Excavation	0	-\$3,829
040	Digester Gas Compressor Discharge Piping Modifications	0	\$10,817
041	Automatic Drip Traps and Compressor Discharge Piping Modifications	0	\$10,388
042	HMB4 Roof Modifications at Boiler 6 Exhaust Stack Demolition	0	\$1,810
043	Share in Partnering Closeout Costs	0	\$11,300
044	Unforeseen Conditions – CCO No. 25/DCM No. 10	0	\$812
045	Nitrogen Purge for Digester No. 7 Commissioning	0	\$16,243
046	Plant Hot Water Leak Investigation	0	\$11,242
Total		27	\$355,237

WARRANTY/MAINTENANCE BOND

Bond No.:

KNOW ALL PERSONS BY THESE PRESENTS: That we C. Overaa and Co. as Principal, and _____, a corporation organized and existing under the Laws of the State of California, Surety are held and firmly bound unto Union Sanitary District as Obligee, in the total sum of Seven Hundred Fifty Thousand U.S. Dollars (\$750,000.00) for the payment whereof said Principal and Surety bind themselves, jointly and severally, as provided herein.

WHEREAS, the Principal entered into a contract ("Agreement") with the Obligee dated January 13, 2020, for the construction of a new 2.4-million-gallon anaerobic digester at the District's wastewater treatment plant, including the installation of new heating, mixing, and conveyance equipment and piping within or adjacent to existing Heating and Mixing Building No. 4, the replacement of an existing hot water boiler, installation of a new chemical facility, and various improvements required to integrate these facilities into the plant's existing systems (the "Project"). The Project also included the construction and installation of glass-lined ductile iron pipe and fittings in accordance with the Agreement (the "Work").

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal, or its heirs, executors, administrators, successors, or assigns approved by the Obligee, shall maintain and make full, complete, and satisfactory repair and replacements of said Work, including all labor, equipment, materials, overhead, profit, and any and all indirect costs, in accordance to the specifications therefore as prescribed by the Agreement, and the ordinances and standards of the Obligee in force at the time of performing such maintenance work required, as determined in Obligee's sole discretion, in the event that the glass lining in the fabricated pipe and fitting has eroded to realize a bare ductile iron substrate, for a period of five year(s) following substantial completion of the Work with an automatic renewal for an additional five year period (the "Maintenance Period"), then this obligation shall be void; otherwise it shall remain in full force and effect; and conditioned further that this bond shall inure to the benefit of the Obligee, and to and for the benefit of all persons who may suffer damage by reason of the breach of any of the conditions hereof, and any persons so damaged may bring suit upon said bond in his own name, provided that in the event of the failure of the Principal to perform any work or construct any maintenance as hereinabove mentioned in compliance with the terms, specifications and conditions as prescribed by the Agreement, and the ordinances and standards of the Obligee, the damages to the Obligee will be deemed to include the cost of removing such defective work and constructing the same according to the Agreement, ordinances and/or standards; in addition, this bond shall be conditioned upon the Principal and Surety's full compliance with all terms and conditions of required licenses, permits, the Agreement and further conditioned upon full compliance with all provisions of the ordinances and standards of the Obligee, as determined in Obligee's sole discretion.

PROVIDED, FURTHER, that this bond shall not be void upon the first recovery, but may be sued and recovered upon from time to time and judgments may be recovered hereon by said Obligee or any person aggrieved or damaged in his or her own name, until the whole penalty is exhausted, and that any suit under this bond shall be commenced no later than one (1) year from the expiration date of the Maintenance Period; provided, however, that if this limitation is prohibited by any law controlling the construction hereof, such limitation shall be deemed to be amended so as to be equal to the minimum period of limitation permitted by such law, and said period of limitation shall be deemed to have accrued and shall commence to run on the expiration date of the Maintenance Period.

As a part of the obligation secured hereby and in addition to the face amount specified therefore, there shall be included costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by Obligee in successfully enforcing such obligation, all to be taxed as costs and included in any judgment rendered.

The surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Agreement or to the work to be performed thereunder or the specifications accompanying the same shall in anyway affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Agreement, to the work, or to the drawings and/or specifications.

All notices to Surety or Principal shall be mailed or delivered (at the address set forth on the signature page of this Bond), and all notices to the Obligee shall be mailed or delivered as provided in the Contract Documents. Actual receipt of notice by Surety, the Obligee or Principal, however accomplished, shall be sufficient compliance as of the date received at the foregoing addresses.

Any provision in this Bond conflicting with any statutory or regulatory requirement shall be deemed deleted herefrom and provisions conforming to such statutory requirement shall be deemed incorporated herein.

IN WITNESS WHEREOF, the said Principal and Surety and each hereunto set their hands, this ____ day of _____, 2022.

NOTE: To be signed by
Principal, and Admitted
Surety and
acknowledgement and
notarial seal for both
attached. Attach copy of
authority for surety agent
and County Clerk certificate
under CCP §995.660)
[SEAL]

(Principal Signature)
[Click and insert Principal Name and Title]

[Click and insert Principal Business Name]

(Surety Signature)
[Click and insert Name and Title]

[Click and insert Surety Business Name]



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Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**JANUARY 23, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 11**

TITLE: **Awarding the Contract for the Cleaning of Primary Digester No. 6 to Wastewater Solids Management (*This is a Motion Item*)**

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
 Armando Lopez, Treatment and Disposal Services Work Group Manager
 Mitchell Costello, Treatment Plant Operations Coach

Recommendation

Award the cleaning contract for Primary Digester No. 6 to Wastewater Solids Management in the amount of \$136,960.00. The digester cleaning project has been budgeted in the Treatment and Disposal (T&D) Workgroup's operating budget.

Discussion

The project consists of the following tasks:

- Mobilization and set up of portable sludge dewatering equipment.
- Dewatering approximately 170,000 gallons of primary digested sludge. Included in this work is the separation of grit, sand, and rags from the sludge.
- Hauling and disposing of dewatered sludge, grit, sand, and rags.
- Washing down the interior concrete and steel surfaces of the digesters.

The contractor has until June 30th, 2023, to complete the project. After the digester is cleaned, the condition of Primary Digester No. 6 will be assessed, and the design of the necessary rehabilitation work will be completed.

Bid Results

On November 8, 2022, the District issued an Invitation for Bid to the public. Bids were due on December 1, 2022, and three bids were received.

Contractor	Total Bid Amount
Wastewater Solids Management	\$136,960.00
Pipe and Plant Solutions	\$374,000.00
American Process Group	\$399,740.00

Wastewater Solids Management is the lowest, responsive, and responsible bidder for the project. Wastewater Solids Management had successfully completed the cleaning of Secondary Digester No. 1 in 2021 for the District for \$54,690.00, Primary Digester No. 2 in 2019 for \$112,690.00, and Primary Digester No. 5 in 2014 for \$118,669.00.

Staff recommends that the Board award the cleaning contract for Primary Digester No. 6 to Wastewater Solids Management in the amount of \$136,960.00.

Background

The District currently has seven primary and two secondary digesters located at the treatment plant that require periodic cleaning to remove accumulated debris. Cleaning of the digesters is required to maintain the treatment capacity of each digester. Typically, one primary digester is removed from service each year for cleaning and Primary Digester No. 6 was originally anticipated to be cleaned in Fiscal Year 2017, but this work was delayed until Primary Digester No. 7 could be put in service due to minimum digestion capacity required for compliance as noted in the 2018 Solids Capacity Study. Primary Digester No. 6 was last cleaned in 2006. This project prepares Primary Digester No. 6 for the upcoming Rehabilitation Project performed by the Capital Improvements Projects.

Previous Board Action

April 25, 2005 – The Board awarded the Construction Contract for the Digesters No. 5 and 6 Mixing Pumps and Heat Loop Improvements project. The scope of work included cleaning of Digester 6 for \$99,000.

April 24, 2006 – The Board authorized the General Manager to execute Change Order No. 9 with Monterey Mechanical for Digesters No. 5 and 6 Mixing Pumps and Heat Loop Improvements project. This included additional costs of \$150,746 to clean Digester No. 6 for a total of \$249,746.



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*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**JANUARY 23, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 12**

TITLE: Consider Confirming and Declaring the Need to Continue the Emergency Action to Repair Two Sewer Lines in the City of Fremont Damaged by Fiber Optic Line Installation (*This is a Motion Item*)

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Jose Rodrigues, Collection Services Work Group Manager
Raymond Chau, Technical Services Work Group Manager
Curtis Bosick, CIP Team Coach

Recommendation

Receive an update on repairs and adopt a motion by a four-fifths vote finding that there is a need to continue the action and confirming and declaring the continuance of the emergency.

Discussion

On January 09, 2023, the Board received an update on the emergency action and adopted a motion to continue the action and confirmed and declared the continuance of the emergency action to repair two sewer lines in the City of Fremont. Since that meeting, McGuire and Hester (MH) have completed the repairs on both sewer lines and are in the process of completing some minor miscellaneous tasks.

After the determination of an emergency pursuant to Public Contract Code section 22050, the Board is required to review the status of the emergency action at each subsequent meeting until the emergency action is terminated and authorize continuation of the emergency action by a four-fifths vote. This staff report seeks such authorization as there is a need to complete the actions described above.

Staff will continue to bring a similar agenda item to the Board to continue the emergency until it is terminated.

Background

In March of 2022, the District was notified that a contractor, HP Communications and JK Communication & Construction/Kleven Construction (JKC), working in the City of Fremont installing 5G fiber optic lines had damaged three separate sewer lines. Staff confirmed the damages by CCTV inspection. HP Communications repaired one of the damaged sewer mains due to its shallow depth and location. The District began discussions with the contractor and its insurance company about the repair of the other two damaged sewer mains given concerns about an inexperienced contractor further damaging the District's facilities sewer due to both sewer mains depth at (15'), groundwater concerns, the need to bypass sewage and possibly soft soil conditions in the area. The size and locations of the remaining damaged sewer mains are:

1. 8" sewer main near the intersection of Paseo Padre Parkway and Washington Blvd.
2. 18" sewer main near the intersection of Fremont Blvd. and Clipper Court.

Staff negotiated with the contractor and its insurance company for months to resolve the issue and complete the work without expending public funds, but the parties did not reach an acceptable resolution.

Given the upcoming wet weather season and time required to complete the work, it was necessary for the District to expeditiously proceed with the repair, while concurrently working toward reimbursement of funding from the contractor. The damaged sewer mains in their current condition create enough risk to the District that staff recommended an emergency be declared to expedite the necessary repairs.

The District's Purchasing Policy and California Public Contract Code (PCC) Section 20806 allow for emergency contracting without competitive bidding in accordance with the requirements of PCC Section 22050. Section 22050(a) provides that the District, pursuant to a four-fifths vote of the Board, "may repair or replace a public facility, take any directly related and immediate action required by that emergency, and procure the necessary equipment, services, and supplies for those purposes, without giving notice for bids to let contracts."

The attached Resolution No. 2982, adopted on September 12, 2022, addressed the requirements of the PCC, and declared an emergency and authorized additional expenditures without the need for competitive bidding. As such, the District has proceeded with the work under our emergency services contract with McGuire and Hester, as described above. Cost estimates for the repairs range from \$583,000, with McGuire and Hester fully performing all of the repairs, to \$459,000, with McGuire and Hester performing the sewer line work and HP/ JK Communications performing the paving and restoration.

Previous Board Action

09/12/2022 Board Meeting – The Board adopted a resolution declaring an emergency and authorizing the emergency expenditure of funds for the repair of two sewer lines in the City of Fremont damaged by fiber optic line installation.

09/26/2022 Board Meeting – The Board received an update on the emergency action and adopted a motion to continue the action and confirmed and declared the continuance of the emergency action.

10/10/2022 Board Meeting – The Board received an update on the emergency action and adopted a motion to continue the action and confirmed and declared the continuance of the emergency action.

10/24/2022 Board Meeting – The Board received an update on the emergency action and adopted a motion to continue the action and confirmed and declared the continuance of the emergency action.

11/14/2022 Board Meeting – The Board received an update on the emergency action and adopted a motion to continue the action and confirmed and declared the continuance of the emergency action.

12/12/2022 Board Meeting – The Board received an update on the emergency action and adopted a motion to continue the action and confirmed and declared the continuance of the emergency action.

01/09/2023 Board Meeting – The Board received an update on the emergency action and adopted a motion to continue the action and confirmed and declared the continuance of the emergency action.

Attachments: Figures 1 through 4 – Location Maps and Photos of Damaged Sewers
 Figures 5 through 6 – Updated Construction Pictures
 Resolution No. 2982

Figure 1 - Location of Damaged 18" Sewer Main



Figure 2 - Photo of Damaged 18" Sewer Main



Figure 3 - Location of Damaged 8" Sewer Main

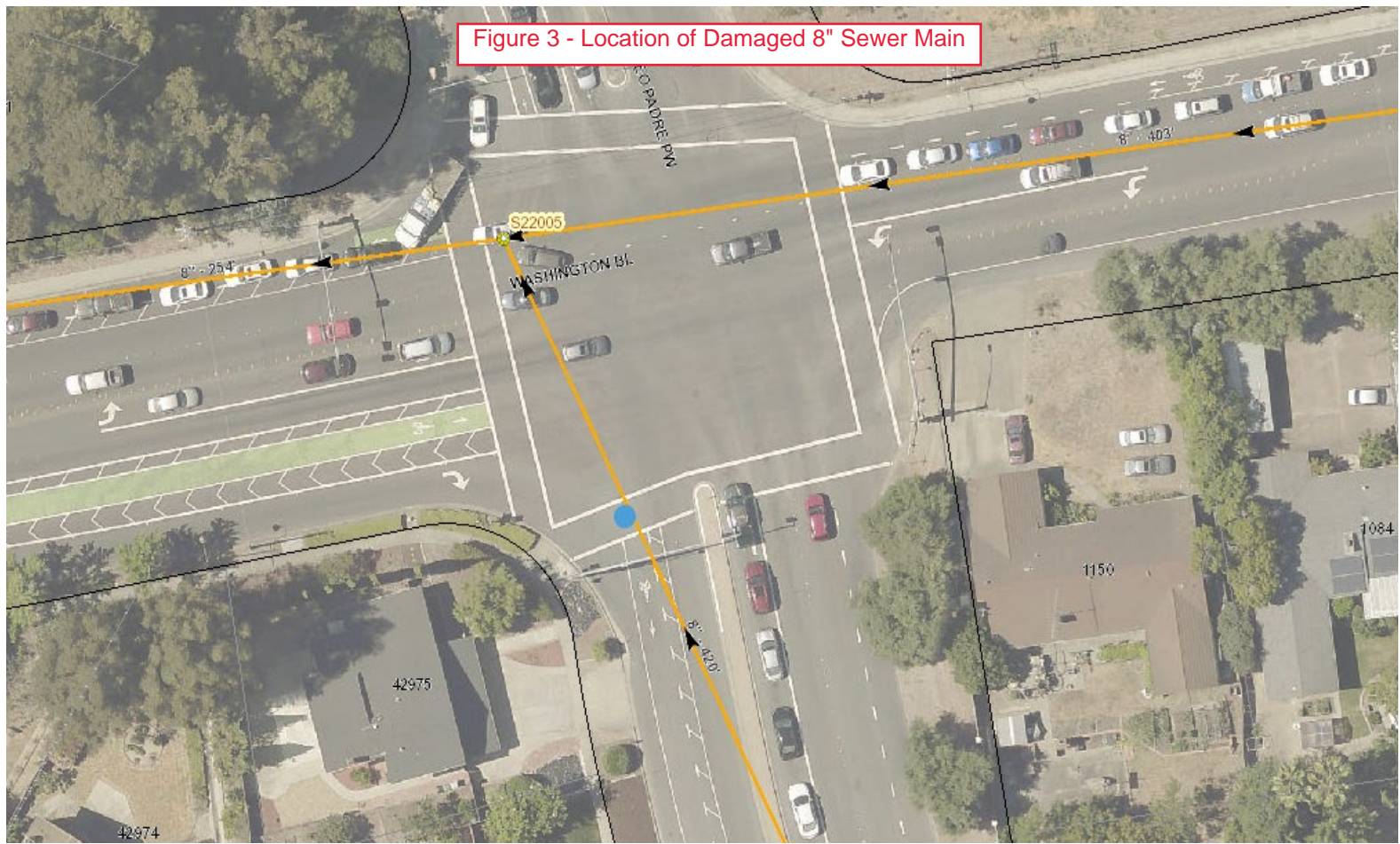
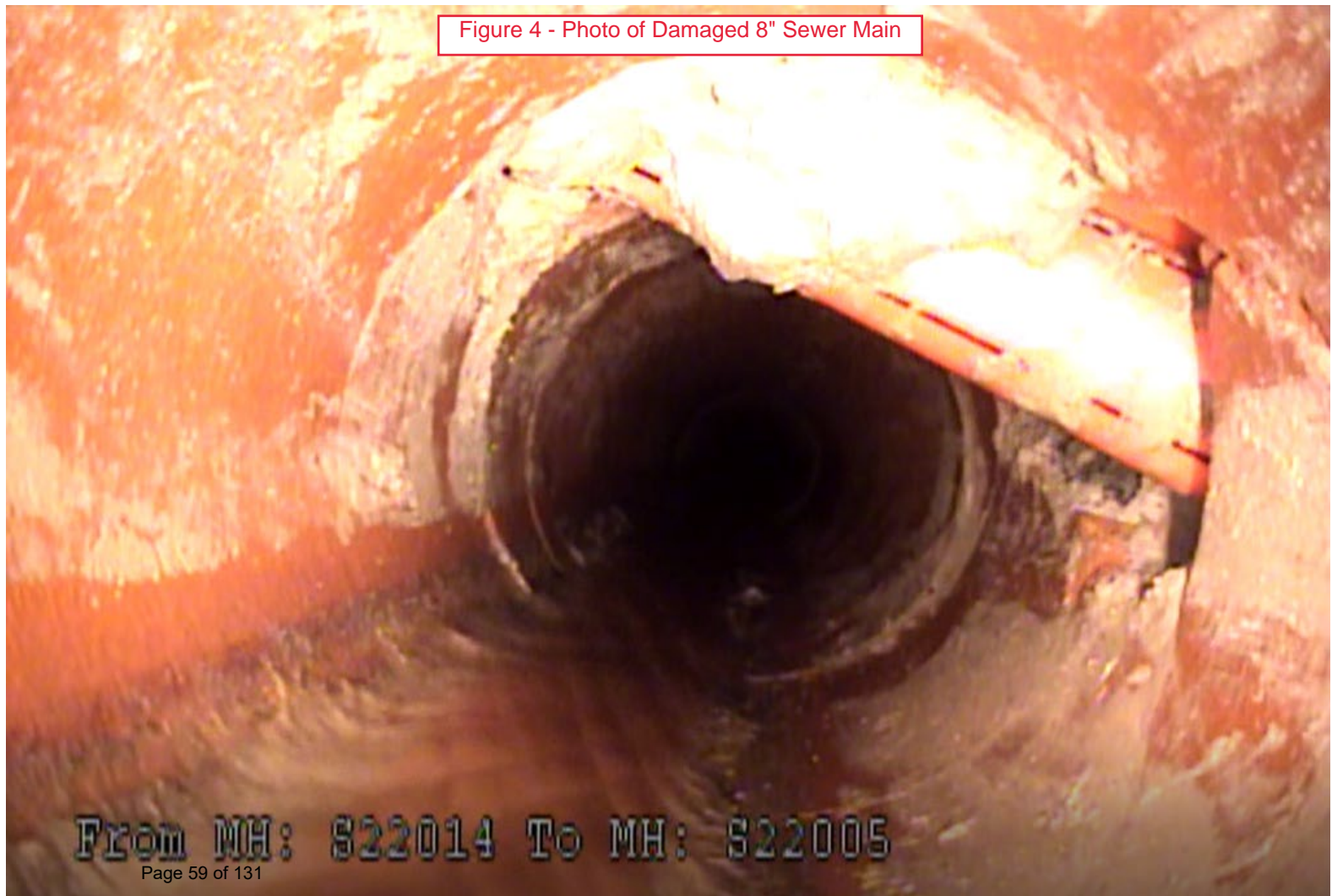


Figure 4 - Photo of Damaged 8" Sewer Main



From MH: S22014 To MH: S22005

Figure 5 - Fremont Blvd. & Clipper Ct.



Figure 6 - Paseo Padre Pkwy & Washington Blvd.



RESOLUTION NO. 2982

DECLARING AN EMERGENCY AND AUTHORIZING THE EMERGENCY EXPENDITURE OF FUNDS FOR THE REPAIR OF TWO SEWER LINES IN THE CITY OF FREMONT DAMAGED BY FIBER OPTIC LINE INSTALLATION

WHEREAS, two gravity sewer mains in the City of Fremont located at (1) the intersection of Paseo Padre Parkway and Washington Blvd; and (2) the intersection of Fremont Blvd. and Clipper Court, have been damaged by a private third-party contractor installing 5G fiber optic lines in City's right-of-way; and

WHEREAS, the District has not been able to reach resolution with the contractor and its insurance company regarding the completion of the repair and reimbursement to the District; and

WHEREAS, given the upcoming wet weather season and time required to complete the work, it is necessary for the District to expeditiously proceed with the repair, while concurrently working toward resolution of the reimbursement of funding from the contractor; and

WHEREAS, the damaged sewer mains in their current condition create risk to the District and must be repaired; and

WHEREAS, compliance with competitive bidding procedures typically takes a number of months and would not allow prompt action to be taken to complete the repair, as required to safeguard the public and District facilities; and

WHEREAS, the District's Purchasing Policy and California Public Contract Code (PCC) Section 20806 allow for emergency contracting without competitive bidding in accordance with the requirements of PCC Section 22050; and

WHEREAS, the California Environmental Quality Act establishes a statutory exemption for emergency repairs to public service facilities necessary to maintain service, and other specific actions necessary to prevent or mitigate an emergency; and

WHEREAS, the damage involves a clear and imminent threat, demanding immediate action to prevent or mitigate loss of, or damage to, life, health, property, and essential public services.

NOW, THEREFORE, BE IT RESOLVED, BY THE UNION SANITARY DISTRICT BOARD OF DIRECTORS, BASED ON THE STAFF REPORT AND ORAL AND WRITTEN TESTIMONY, AS FOLLOWS:

1. The above recitals are true and correct and are material to this Resolution and are incorporated into this Resolution as findings of the District Board.

2. The Board finds and declares, pursuant to Public Contract Code section 22050(a), that based on substantial evidence presented before the Board, the emergency will not permit a delay resulting from competitive solicitation for bids for the repair of the District's damaged sewer mains, and that this action is necessary to respond to the emergency.

3. The Board authorizes staff to continue to proceed with the repair or replacement of the two sewer mains in Fremont located at (1) the intersection of Paseo Padre Parkway and Washington Blvd; and (2) the intersection of Fremont Blvd. and Clipper Court, and procurement of the necessary equipment, services and supplies for that purpose without giving notice for bids to let contracts.

4. The Board will review the status of the emergency at each subsequent meeting of the Board of Directors and vote to authorize continuation of this resolution until the emergency action is completed.

PASSED, APPROVED, AND ADOPTED by at least a four-fifths vote, at a regular meeting of the Board of Directors on this 12th day of September, 2022.

AYES: Fernandez, Handley, Kite, Lathi, Toy

NOES: None

ABSENT: None

ABSTAIN: None

DocuSigned by:



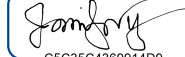
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ANJALI LATHI

President, Board of Directors
UNION SANITARY DISTRICT

Attest:

DocuSigned by:



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JENNIFER TOY

Secretary, Board of Directors
UNION SANITARY DISTRICT

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alathi@unionsanitary.ca.gov

Union Sanitary District

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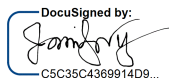
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Jennifer Toy

jtoy@unionsanitary.ca.gov

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TRI-CITY WASTEWATER

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**JANUARY 23, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 13**

TITLE: **Authorize the General Manager to Execute Amendment No. 1 to Task Order No. 2 with Carollo Engineers, Inc. for the WAS Thickener Replacement Project (*This is a Motion Item*)**

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Raymond Chau, Technical Services Work Group Manager
Curtis Bosick, CIP Team Coach
Derek Chiu, Assistant Engineer

Recommendation

Staff recommends the Board authorize the General Manager to execute Amendment No. 1 to Task Order No. 2 with Carollo Engineers, Inc. (Carollo) in the amount of \$209,777 for providing additional design services for the WAS Thickener Replacement Project (Project).

Discussion

On August 10, 2020, the Board authorized the General Manager to execute Task Order No. 2 with Carollo to perform the final design services for the Project. Among other things, the scope of this project includes replacement of the existing gravity belt thickeners (GBTs) and polymer dosing and mixing systems at the WAS Thickening Building. A more detailed project scope is included in the background section of this report.

It was previously shared with the Board during the FY23 budget workshops to postpone the Project due to limited staff and financial resources already dedicated to ongoing construction projects (ETSU, standby power and various other CIP projects underway). This postponement provides staff an opportunity to further evaluate some of the Project's scope of work and consider whether there are further enhancements that can be made to the WAS thickening project and process.

Accordingly, the purpose of this amendment is for Carollo to further evaluate the equipment layout and maintenance access in the WAS Thickening Building to determine if any further optimization is feasible.

The scope of services and fees of Amendment No. 1 to Task Order No. 2 are summarized below:

Task Description	Amount
Additional Design Services Already Completed (Exhibit A)	\$61,499
Tasks 1.3 and 1.4 – Additional Project Management (Exhibit B)	\$25,584
Task 2.5 – WAS Thickening Design Layout Optimization (Exhibit B)	\$75,101
Task 2.6 – Thickening Area Odor Control Carbon Scrubber Electrical Impacts (Exhibit B)	\$47,593
Amendment No. 1 Not to Exceed Fee	\$209,777

Staff anticipates an additional amendment will be negotiated with Carollo in the future to incorporate the results from the above-mentioned services.

The task order amounts for the Project’s agreement with Carollo are summarized in the table below:

Description	Amount
Task Order No. 1 – Pre-design Services	\$284,233
Amendment No. 1 to Task Order No. 1 – Additional Pre-design Services	\$22,146
Task Order No. 2 – Final Design Services	\$806,942
Amendment No. 1 to Task Order No. 1 – Additional Design Services	\$209,777
Total	\$1,323,098

The total not-to-exceed design fee of \$1,323,098 is 7.4 percent of the engineer’s construction cost estimate of \$17.8 million for the Project.

Background

The Alvarado Wastewater Treatment Plant’s sludge thickening process increases the solids content of the sludge by reducing the volume of water, which minimizes the load on the downstream sludge digestion and dewatering processes. The Plant’s secondary treatment utilizes the activated sludge process to maintain the proper level of microorganisms in the aeration basins by sending the settled sludge from the secondary clarifiers, also known as return activated sludge (RAS), back to the aeration basins. As the level of organisms increases in the aeration basins, some of the volume must be removed on a regular basis to maintain the right biological balance. The volume of organisms removed is called waste activated sludge (WAS).

Within the sludge thickening process, the WAS thickening system utilizes a two-step process. WAS from the secondary treatment process is pumped to one of two gravity thickener tanks for both equalization and pre-thickening. Pre-thickening the WAS increases the solids concentration

from approximately 0.02 percent to 0.1 percent which represents a five-fold increase. Pre-thickened waste activated sludge (PWAS) from the gravity thickeners is then conveyed to the gravity belt thickeners (GBTs) located inside the WAS Thickening Building. The GBTs produce thickened waste activated sludge (TWAS) that is approximately 4.5 to 6 percent solids before it is pumped to the primary digesters.

The WAS Thickening Building was originally constructed during the 1978 Plant Construction Project. The building was initially referred to as the Sludge Dewatering Building and housed three belt presses that were later relocated to the Solids Handling Building during the 1985 Plant Expansion Project. The WAS Thickening Building was retrofitted to its present configuration for GBTs during the 1993 Plant Upgrade Project. Figure 1 shows the locations of the various sludge process structures, and Figure 2 includes the Plant's sludge thickening process diagram.

Most of the equipment, instruments, and electrical components in the WAS Thickening Building are over 20 years old and are at the end of their useful life. Accordingly, staff has been experiencing maintenance and operational challenges with the equipment that is in a building with limited space and a damp and odorous environment. The equipment has become obsolete, and the power and control systems are antiquated and need to be replaced.

Task Order No. 1 – Predesign Services

On November 12, 2018, staff executed an agreement and Task Order No. 1 with Carollo to provide predesign services for the Project. As part of this effort, staff and Carollo evaluated several alternative thickening technologies to GBTs such as rotary drum thickeners (RDTs), disk thickeners, volute thickeners, and centrifuges. Using economic and non-economic criteria during the initial technology evaluation, staff and Carollo eliminated all but the GBTs and RDTs from further consideration.

In July 2019, staff conducted a pilot of the RDT technology at the Plant. The pilot was used to validate the life cycle costs of RDTs and to evaluate the ease of operation of the equipment. Ultimately, staff decided not to change technologies and to replace with new GBTs due to its relatively lower life cycle cost and staff's familiarity with operating GBTs.

Task Order No. 2 – Final Design Services

On August 10, 2020, staff executed Task Order No. 2 with Carollo to provide final design services for the Project. Carollo completed the Project's design one year later in August 2021. The Project's scope included:

- Replace the three existing GBTs and associated electrical equipment, piping, valves, instruments, and controls.
- Replace the existing polymer blending units.

- Demolish the two existing polymer storage tanks and replace with a single new polymer storage tank.
- Replace polymer piping and recirculation pump and their associated valves, instruments, and controls.
- Replace the existing PWAS and TWAS pumps and associated piping and valves.
- Replace the existing HVAC ductwork and fans.
- Replace the existing motor control centers (MCCs) with one new consolidated MCC.
- Replace the existing programmable logic controller.
- Replace the existing building roofing and addition of fall protection and railing on the roof.

Previous Board Action

November 12, 2018, the Board authorized the General Manager to execute an agreement and Task Order No. 1 with Carollo in the amount of \$284,233 for providing predesign services for the Project.

August 10, 2020, the Board authorized the General Manager to execute Task Order No. 2 with Carollo in the amount of \$806,942 for providing final design services for the Project.

Attachments: Figure 1 – Site Plan
 Figure 2 – Sludge Thickening Process Diagram
 Figures 3 to 10 – Photos of Existing Equipment
 Amendment No. 1 to Task Order No. 2

FIGURE 1 – WAS THICKENER REPLACEMENT PROJECT



The diagram illustrates the wastewater treatment process and sludge management. It starts with **Primary Clarifiers** where **Primary Scum** is skimmed off and **PS** (Primary Sludge) is settled. **Grit** is removed from the bottom. The effluent from the Primary Clarifiers goes to **Aeration Tanks**, where **Air Supplied** is introduced. The mixed liquor from the Aeration Tanks goes to **Secondary Clarifiers**. From the Secondary Clarifiers, **RAS** (Return Activated Sludge) is recycled back to the Aeration Tanks, and **WAS** (Waste Activated Sludge) is sent to the **Gravity Thickener**. The effluent from the Secondary Clarifiers goes to the **To: Cl₂ Contact Tank**. The **Gravity Thickener** separates **Primary Sludge** (containing **TPS 4.5 - 6.0% Solids**) from **WAS = 0.02% Solids**. The **WAS** is sent to the **Gravity Belt Thickener**, which produces **PWAS 0.1% Solids** and **TWAS Pumped to Digesters 4.5 - 6.0% Solids**. The **TPS/Scum Pumped to Digesters** is also sent to the **Primary Digesters**. The **Primary Digesters** are shown as two large cylindrical tanks.

WAS = Waste Activated Sludge

DPS = Degritted Primary Sludge

PWAS = Pre-thickened Waste Activated Sludge

Cl₂ = Chlorine



Figure 3 – Existing GBT



Figure 4 – Existing Polymer Blending Unit, Front and Back Views



Figure 5 – Existing GBT Electrical Equipment



Figure 6 – Existing Motor Control Center, North Wall



Figure 7 – Existing Motor Control Center, South Wall



Figure 8 – Existing PWAS Pumps and Piping



Figure 9 – Existing TWAS Pump



Figure 10 – Existing Fans

WAS THICKENER REPLACEMENT PROJECT

AMENDMENT NO. 1

TO

TASK ORDER NO. 2

TO

AGREEMENT

BETWEEN

UNION SANITARY DISTRICT

AND

CAROLLO ENGINEERS, INC.

FOR

PROFESSIONAL SERVICES

Dated November 12, 2018

1. PURPOSE

The purpose of this Amendment No. 1 to Task Order No. 2 is to modify the original scope of services as follows:

- Include additional work under Tasks 1.1, 1.2, and 2.2 requested by the District and already completed by Engineer.
- Remove Tasks 2.4, 3.1, and 3.2.
- Include additional work for new Tasks 1.3, 1.4, 2.5, and 2.6.

All other terms of the original Agreement and Task Order No. 2 shall remain unchanged.

2. PROJECT COORDINATION

All work related to this amendment shall be coordinated through the District's Project Manager, Derek Chiu.

3. ENGINEER'S SCOPE OF SERVICES

The task numbers in this Scope of Services are associated with the cost data presented in Exhibit A for work already completed and Exhibit B for newly requested work. The Scope of Services for Task Order No. 2 are amended as follows:

TASK 1.0 – PROJECT MANAGEMENT

Task 1.1 – Monthly Progress Reports (Additional Work Already Completed)

Engineer has included completion of the additional work when preparing and submitting written monthly invoices and progress reports to the District. This covers the monthly progress report elements associated with the additional work already completed.

Task 1.2 – Monitor Budget, Schedule, and Decision Log (Additional Work Already Completed)

Engineer has provided additional services to monitor and track the scope, budget, and schedule impacts relative to the additional work. This covers the project monitoring elements associated with the additional work already completed.

Task 1.3 – Project Revamp and Monthly Progress Reports (New Work)

Engineer shall coordinate internally and with District on project revamp after lengthy project delay, and restart preparation and submission of written monthly invoices and progress reports to the District. This covers the monthly progress report elements associated with the new work requested by the District.

Task 1.4 – Monitoring and Updating Budget, Schedule, and Decision Log (New Work)

Engineer shall coordinate internally and with District on accounting after lengthy project delay, and monitor, update, and track the scope, budget, and schedule impacts relative to the new work requested by the District. This covers the project monitoring elements associated with the new work requested by the District.

Deliverables (for New Work)

- Monthly invoice (pdf)
- Monthly progress summary report (pdf)

TASK 2.0 – FINAL DESIGN

Engineer has completed or shall complete the additional work requested under Task 2.2 as described below.

Task 2.2 – Preparation of Contract Documents (Additional Work Already Completed)

The following work effort was completed between February 2021 and July 2021:

- GBT Manufacturer Selection/Design Revision
- Polymer Tank Replacement
- Polymer Mixing Unit Pre-procurement Assistance
- Redesign of Polymer Piping System from PVC to HDPE
- Investigation of Adding Permanent Bridge Crane Platform
- High Level Feasibility/Impact of Temporary Thickening Option
- PWAS buried valve investigation

Subsequent to the 90-percent design submittal, the following work was requested by the District and completed for the final design submitted in August 2021:

- Revision of the polymer mixing unit specification to require the contractor to procure three new mixing units (rather than installation of District-procured units) as well as the mixing unit manufacturer's (UGSI) services to modify an existing unit to be reused.
- Investigating and revising the air release valve design.
- Revising the exhaust fan and electrical design from VFD-driven to units with belts and sheaves.
- Investigating and adding an 80-micron manual wye-strainer to the 4W feeding the thickening building.

Subsequent to the final design submittal, the submitted drawings and specifications underwent a peer review. The following work was completed by the Engineer between September 2021 and December 2021:

- Sequencing and Constraints Remote 2-hr Meeting
- Peer Review TM Review
- Peer Review Recommendation Discussion Remote 1.5-hr Meeting

Task 2.4 – Revision of Contract Documents for District-procured Programming/Integration Services

Task 2.4 is removed from the Scope of Services for Task Order No. 2.

Task 2.5 – WAS Thickening Design Layout Optimization

The District is interested in whether the current design layout for the WAS Thickening Building can be further optimized. Engineer shall identify potential options for changes in HVAC system/ductwork, TWAS pumps, and the polymer system to see if the layout in this western part of the building can be optimized. Once identified, Engineer shall develop rough, conceptual level visual images to support discussion of the options with the District. This optimization work includes only the odor scrubber area west of the building and the processes in the western part of the building because building constraints will not allow further changes in the thickeners themselves or most of the associated piping. In addition, this task does not include the thickener feed pumps or other processes not listed above.

Engineer shall meet with District virtually in up to two (2) 2-hour meetings to present and discuss the options. It is assumed that each meeting will include up to four (4) members of the Engineer's team. Results from these meetings will be documented in meeting minutes which will serve as documentation of this effort. A brief summary memo will be developed to summarize the task results, with documentation of the overall work being provided with the meeting documentation that will be appended to the summary memo. The summary memo will be submitted in draft form for District review. District comments on the memo will be reviewed and resolved as appropriate, and a final summary memo will be submitted to the District.

Implementation of any desired changes on the contract documents (drawings, P&IDs, specifications, sequencing, typical details) is not included in this current Scope of Services. Additionally, this task and effort estimate does not currently include updated construction cost estimates or packaging and resubmittal of contract documents (drawings, P&IDs, specifications, sequencing, typical details) because it is assumed that the District will not go out to bid with the project for several years.

It is assumed that District comments to the draft summary memorandum will be relatively minor and will not introduce additional concepts for consideration. If additional concepts are brought up, Engineer will work with District to determine how best to address this change in scope and effort prior to additional work being done on the new concepts.

Deliverables

- Meeting agendas, minutes, and presentation materials (pdfs).
- Brief draft and final summary memorandum summarizing task results with meeting minutes and presentation materials appended to provide background.

Task 2.6 – Thickening Area Odor Control Carbon Scrubber Electrical Impacts

The District is interested in assessing whether changing the odor control scrubber technology for the system servicing the thickening building would be feasible and what the associated impacts would be for the HVAC and electrical systems and the WAS Thickening Building. The District is preliminarily interested in changing to a carbon scrubber system.

Engineer shall estimate the required fan capacity and electrical demands should the District change to a carbon scrubber to serve the WAS Thickening Building. Engineer shall then assess the impacts on the thickening electrical system, including whether the feed from Substation 2 would be impacted. This work includes only the odor control system. It is assumed that the modified scrubber would be located in the existing scrubber area and that duct layout within the thickening building will remain largely as currently designed.

Engineer shall meet with District virtually in one (1) 2-hour meeting to present and discuss the electrical impacts of replacing the existing scrubber with a carbon scrubber. It is assumed that the meeting will include up to four (4) members of the Engineer's team. Results from these meetings will be documented in meeting minutes which will serve as documentation of this effort. A brief summary memo will be developed to summarize the task results, with documentation of the overall work being provided with the meeting documentation that will be appended to the summary memo. The summary memo will be submitted in draft form for District review. District comments on the memo will be reviewed and resolved as appropriate, and a final summary memo will be submitted to the District.

Implementation of any desired changes on the contract documents (drawings, P&IDs, specifications, sequencing, typical details) is not included in this current Scope of Services. Additionally, this task and effort estimate does not currently include updated construction cost estimates or packaging and resubmittal of contract documents (drawings, P&IDs, specifications, sequencing, typical details) because it is assumed that the District will not go out to bid with the project for several years.

It is assumed that District comments to the draft summary memorandum will be relatively minor and will not introduce additional concepts for consideration. If additional concepts are brought up, Engineer will work with District to determine how best to address this change in scope and effort prior to additional work being done on the new concepts.

Deliverables

- Meeting agendas, minutes, and presentation materials (pdfs).
- Brief draft and final summary memorandum summarizing task results with meeting minutes and presentation materials appended to provide background.

Task 3.0 – Bid Period Services

Tasks 3.1 and 3.2 are removed from the Scope of Services for Task Order No. 2.

4. PAYMENT TO THE ENGINEER

Payment to the Engineer shall be as called for in Article 2 of the Agreement. The billing rate schedule is equivalent to an overall labor multiplier of 3.21, including profit. Subconsultants and outside services will be billed at actual cost plus 5%; other direct costs will be billed at actual cost; and mileage will be billed at prevailing IRS standard rate. The not-to-exceed amount for Amendment No. 1 to Task Order No. 2 shall be \$209,777. A summary of the anticipated distribution of cost and manpower between tasks are shown in Exhibits A and B.

The following table summarizes the previously-executed task orders, previously-executed amendments, and proposed amendments under the Agreement:

Task Order / Amendment	Not to Exceed Amount	Board Authorization Required?	District Staff Approval
Task Order No. 1 – Pre-design Services	\$284,233	Yes	Paul Eldredge
Amendment No. 1 to Task Order No. 1 – Additional Pre-design Services	\$22,146	No	Sami Ghossain
Task Order No. 2 – Final Design Services	\$806,942	Yes	Paul Eldredge
Amendment No. 1 to Task Order No. 2 – Additional Design Services	\$209,777	Yes	Paul Eldredge
Total	\$1,323,098		

5. TIME OF COMPLETION

Anticipated schedule for completion of new work in Engineer's scope of services is summarized as follows:

WAS Thickening Optimization

- Identification of WAS Thickening Optimization Options: 4 weeks after Notice to Proceed (NTP)
- WAS Thickening Optimization Virtual Meeting No. 1: 6 weeks after NTP
- WAS Thickening Optimization Virtual Meeting No. 2: 10 weeks after NTP
- Draft Summary Memorandum Submittal: 13 weeks after NTP
- District Comments Returned: 15 weeks after NTP
- Final Summary Memorandum Submittal: 18 weeks after NTP

Thickening Area Odor Control Carbon Scrubber Electrical Impacts

- Assess Fan Size and Electrical Requirements for Carbon Scrubber System: 6 weeks after Notice to Proceed (NTP)
- Thickening Odor Control Evaluation Virtual Meeting No. 1: 10 weeks after NTP
- Draft Summary Memorandum Submittal: 13 weeks after NTP
- District Comments Returned: 15 weeks after NTP
- Final Summary Memorandum Submittal: 18 weeks after NTP

6. KEY PERSONNEL

There are no changes to the Engineer's personnel assigned to Task Order No. 2.

IN WITNESS WHEREOF, the parties hereto have made and executed this Amendment No. 1 to Task Order No. 2 as of _____ and therewith incorporate it as part of the Agreement.

DISTRICT

ENGINEER

UNION SANITARY DISTRICT

CAROLLO ENGINEERS, INC.

By: _____
Paul R. Eldredge, P.E.
General Manager/District Engineer

By: _____
Scott E. Parker, P.E.
Senior Vice President

Date: _____

Date: _____

By: _____
Rashi Gupta, P.E.
Vice President

Date: _____

EXHIBIT A																			
DESIGN OF WAS THICKENER REPLACEMENT PROJECT LABOR AND BUDGET ESTIMATE - COMPLETED TASKS AMENDMENT NO. 1 TO TASK ORDER NO. 2 UNION SANITARY DISTRICT																			
Task	Task Description	SP	LPP	PP	P	AP	CAD	WP	Total Hours	Labor Cost	Other Direct Costs (ODC)								Total Cost
											Subconsultants		PECE	Travel	Mileage		Printing	ODC	
		Name	Amount	\$13.00	Trips	Amount	Total												
1.0	Project Management	\$329	\$278	\$212	\$166	\$127	\$147	\$121											
	1.1 - Monthly Progress Reports (Already Completed Additional Work)	0	8	0	0	0	0	0	8	\$2,224	Beecher	\$840	\$104	\$0	0	\$0	\$0	\$944	\$3,168
	1.2 - Monitor Budget, Schedule, and Decision Log (Already Completed Additional Work)	0	12	0	0	0	0	0	12	\$3,336	Beecher	\$0	\$156	\$0	0	\$0	\$0	\$156	\$3,492
	Task 1 (Completed Tasks) Total:	0	20	0	0	0	0	0	20	\$5,560		\$840	\$260	\$0	0	\$0	\$0	\$1,100	\$6,660
2.0	Final Design																		
	2.2 - Preparation of Contract Documents (Additional Work Already Completed)	0	67	66	109	63	65	9	379	69,357	Beecher	\$7,560	\$4,927	\$0	0	\$0	\$0	\$12,487	\$81,844
	Work Already Completed for 100% Submittal																		
	GBT Manf Selection/Design Revision	0	10	12	12	16	20	1	71	\$12,409	Beecher	\$0	\$923	\$0	0	\$0	\$0	\$923	\$13,332
	Polymer Tank Replacement	0	13	14	17	24	20	1	89	\$15,513	Beecher	\$0	\$1,157	\$0	0	\$0	\$0	\$1,157	\$16,670
	Polymer Mixing Unit Pre-Procurement Assistance	0	8	12	12	16	0	2	50	\$9,034	Beecher	\$0	\$650	\$0	0	\$0	\$0	\$650	\$9,684
	Redesign of Polymer Piping System from PVC to HDPE	0	2	8	4	2	8	1	25	\$4,467	Beecher	\$0	\$325	\$0	0	\$0	\$0	\$325	\$4,792
	Investigation of Adding Permanant Bridge Crane Platform	0	1	2	3	2	0	0	8	\$1,454	Beecher	\$0	\$104	\$0	0	\$0	\$0	\$104	\$1,558
	High Level Feasibility/Impact of Temporary Thickening Option	0	8	0	0	0	0	0	8	\$2,224	Beecher	\$0	\$104	\$0	0	\$0	\$0	\$104	\$2,328
	Investigation and Revisions to PWAS Buried Valve and Suction Piping Design	0	2	0	3	1	0	0	6	\$1,181	Beecher	\$0	\$78	\$0	0	\$0	\$0	\$78	\$1,259
	Revisions to Polymer Mixing Unit Specification	0	4	0	14	0	1	1	20	\$3,704	Beecher	\$420	\$260	\$0	0	\$0	\$0	\$680	\$4,384
	Investigation and Revisions to Air Release Valve Venting Design	0	1	2	8	0	4	0	15	\$2,618	Beecher	\$0	\$195	\$0	0	\$0	\$0	\$195	\$2,813
	Revisions to Exhaust Fan Drive Design	0	1	8	4	2	8	2	25	\$4,310	Beecher	\$6,300	\$325	\$0	0	\$0	\$0	\$6,625	\$10,935
	Investigation and Addition of 80 Micron Strainer for 4W Feed to Building	0	1	2	8	0	4	1	16	\$2,739	Beecher	\$0	\$208	\$0	0	\$0	\$0	\$208	\$2,947
	Work Already Completed for 100% Submittal Subtotal	0	51	60	85	63	65	9	333	\$59,653		\$6,720	\$4,329	\$0	0	\$0	\$0	\$11,049	\$70,702
	Work Already Completed for Peer Review																		
	Sequencing and Constraints Remote 2-hr Meeting	0	6	6	8	0	0	0	20	\$4,268	Beecher	\$840	\$260	\$0	0	\$0	\$0	\$1,100	\$5,368
	Peer Review TM Review	0	4	0	8	0	0	0	12	\$2,440	Beecher	\$0	\$156	\$0	0	\$0	\$0	\$156	\$2,596
	Peer Review Recommendation Discussion Remote 1.5-hr Meeting	0	6	0	8	0	0	0	14	\$2,996	Beecher	\$0	\$182	\$0	0	\$0	\$0	\$182	\$3,178
	Work Already Completed for Peer Review Subtotal	0	16	6	24	0	0	0	46	\$9,704		\$840	\$598	\$0	0	\$0	\$0	\$1,438	\$11,142
	2.4 - Revision of Contract Documents for District-procured Programming/Integration Services (Deleted Work)	0	-1	-2	-4	0	0	-4	-11	-\$1,850	Beecher	-\$8,400	-\$143	\$0	0	\$0	\$0	-\$8,543	-\$10,393
	Task 2 (Completed Tasks) Total:	0	66	64	105	63	65	5	368	\$67,507		-\$840	\$4,784	\$0	0	\$0	\$0	\$3,944	\$71,451
3.0	Bid Period Services (Deleted Work)																		
	3.1 - Bid Evaluation	0	0	-4	-4	0	0	0	-8	-\$1,512	Beecher	\$0	-\$104		0	\$0	\$0	-\$104	-\$1,616
	3.2 - Preparation of Addendum (1)	-1	-5	-17	-14	-14	-18	-5	-74	-\$12,676	Beecher	-\$1,260	-\$962		2	-\$98	\$0	-\$2,320	-\$14,996
	Task 3 Total:	-1	-5	-21	-18	-14	-18	-5	-82	-\$14,188		-\$1,260	-\$1,066	\$0	2	-\$98	\$0	-\$2,424	-\$16,612
	Grand Total (Completed Tasks):	-1	81	43	87	49	47	0	306	\$58,879		-\$1,260	\$3,978	\$0	2	-\$98	\$0	\$2,620	\$61,499
Legend:																			
SP	Senior Professional - (Parker, QM)									Notes:									
LPP	Lead Project Professional - (Dadik, Gupta, Lead Cost Estimator, QM)									1. Mult. 3.21									
PP	Project Professional - (Gutierrez, Green, Kairouz)									2. Mileage: Based on 85 miles round trip @ \$0.575/mile.									
P	Professional - (Bezek)									3. Subconsultant has a 5% mark-up.									
AP	Assistant Professional (Yarbrough, Venkat)									4. Beecher - E&IC - \$200/hr.									
CAD	CAD Drafter/Graphics									5. Ewing - Construction Schedule and Cost Review - \$165/hr.									
WP	Word Processor									6. PECE - Project equipment and communication expense									

EXHIBIT B																				
DESIGN OF WAS THICKENER REPLACEMENT PROJECT LABOR AND BUDGET ESTIMATE - NEW TASKS AMENDMENT NO. 1 TO TASK ORDER NO. 2 UNION SANITARY DISTRICT																				
Task	Task Description	SP	LPP	PP	P	AP	CAD	WP	Total Hours	Labor Cost	Other Direct Costs (ODC)								Total Cost	
		\$329	\$278	\$231	\$193	\$154	\$169	\$139			Subconsultants		PECE	Travel	Mileage		Printing	ODC Total		
											Name	Sub Total	\$13.00		Trips	Amount				
1.0	Project Management																			
	1.3 - Project Revamp and Monthly Progress Reports	32	0	0	0	0	0	0	32	\$10,528	Beecher	\$1,848	\$416	\$0	0	\$0	\$0	\$2,264	\$12,792	
	1.4 - Monitoring and Updating Budget, Schedule, and Decision Log	32	0	0	0	0	0	0	32	\$10,528	Beecher	\$1,848	\$416	\$0	0	\$0	\$0	\$2,264	\$12,792	
	Task 1 (New Tasks) Total:	64	0	0	0	0	0	0	64	\$21,056		\$3,696	\$832	\$0	0	\$0	\$0	\$4,528	\$25,584	
2.0	Final Design																			
	2.5 - WAS Thickening Design Layout Optimization	35	46	84	56	0	18	16	255	\$59,774	Beecher	\$12,012	\$3,315	\$0	0	\$0	\$0	\$15,327	\$75,101	
	Options for Changes in HVAC/Ducting, TWAS Pumps, Polymer System	12	20	32	12	0	0	0	76	\$19,216	Beecher	\$4,620	\$988	\$0	0	\$0	\$0	\$5,608	\$24,824	
	Virtual Meetings with District (2 x 2 hr)	12	8	16	16	0	8	4	64	\$14,861	Beecher	\$2,772	\$832	\$0	0	\$0	\$0	\$3,604	\$18,465	
	Draft Summary Memorandum	8	16	32	24	0	8	8	96	\$21,564	Beecher	\$3,696	\$1,248	\$0	0	\$0	\$0	\$4,944	\$26,508	
	Final Summary Memorandum	3	2	4	4	0	2	4	19	\$4,133	Beecher	\$924	\$247	\$0	0	\$0	\$0	\$1,171	\$5,304	
	2.6 - Thickening Area Odor Control Carbon Scrubber Electrical Impacts	9	30	28	0	0	6	10	83	\$20,180	Beecher	\$26,334	\$1,079	\$0	0	\$0	\$0	\$27,413	\$47,593	
	Assess Fan Size and Electrical Requirements for Carbon Scrubber System	2	16	8	0	0	0	0	26	\$6,955	Beecher	\$18,480	\$338	\$0	0	\$0	\$0	\$18,818	\$25,773	
	Virtual Meeting with District (1 x 2 hr)	4	8	8	0	0	2	2	24	\$6,006	Beecher	\$1,386	\$312	\$0	0	\$0	\$0	\$1,698	\$7,704	
	Draft Summary Memorandum	2	4	8	0	0	2	4	20	\$4,514	Beecher	\$5,544	\$260	\$0	0	\$0	\$0	\$5,804	\$10,318	
	Final Summary Memorandum	1	2	4	0	0	2	4	13	\$2,705	Beecher	\$924	\$169	\$0	0	\$0	\$0	\$1,093	\$3,798	
	Task 2 (New Tasks) Total:	44	76	112	56	0	24	26	338	\$79,954		\$38,346	\$4,394	\$0	0	\$0	\$0	\$42,740	\$122,694	
	Exhibit B Total:	108	76	112	56	0	24	26	402	\$101,010		\$42,042	\$5,226	\$0	0	\$0	\$0	\$47,268	\$148,278	
Legend: SP Senior Professional - (Parker, Gupta, QM) LPP Lead Project Professional - (Kairouz, Gutierrez, QM) PP Project Professional - (Bezek) P Professional - (Yarbrough, Venkat) AP Assistant Professional CAD CAD Drafter/Graphics WP Word Processor															Exhibit A Total		\$61,499			
															Amendment No. 1 Total		\$209,777			
															Notes: 1. Mult. 3.21 2. Mileage: Based on 85 miles round trip @ \$0.585/mile. 3. Subconsultant has a 5% mark-up. 4. Beecher - E&IC - \$220/hr. 5. PECE - Project equipment and communication expense					

**Directors**

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**JANUARY 23, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM #14**

TITLE: COVID-19 and AB 361 Update and Consider Adoption of a Resolution Authorizing the Use of Teleconference Meetings in Compliance with AB 361 *(This is a Motion Item)*

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Karen W. Murphy, General Counsel
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

Recommendation

1. Receive an update from the General Manager on the District's COVID-19 response and staffing levels.
2. Receive an update from the General Manager and General Counsel on AB 361 in light of the end of the California State of Emergency
3. Adopt the attached resolution authorizing the use of teleconference meetings in compliance with AB 361.

Discussion

AB 361 requires public agencies to make findings by majority vote within 30 days of the first teleconferenced meeting under AB 361 and every 30 days thereafter that a state of emergency still exists and continues to directly impact the ability of the members to meet safely in person, or that officials continue to impose or recommend measures to promote social distancing. As directed by the Board on September 27, 2021, the District is continuing to hold teleconferenced meetings as allowed under AB 361.

The Board has adopted resolutions at least every 30 days starting on October 25, 2021, authorizing the use of teleconference meetings. Since the Board meeting of March 28, 2022, the Board has been scheduling teleconference meeting for committees and phasing-in in-person meetings for the Board.

The attached resolution reaffirms the findings required by AB 361 to allow the District to continue to hold teleconferenced meetings. This agenda item also includes the COVID-19 Update from the General Manager.

As discussed at earlier Board meetings, the Governor has announced that the COVID-19 State of Emergency will end on February 28, 2023. Although AB 361 does not sunset until January 1, 2024, we will no longer be able to make the findings required to hold teleconference meetings under AB 361 after the expiration of the State of Emergency. Therefore, unless there is any change regarding the State of Emergency, starting on March 1, the Board will be returning to in-person Board Meetings, which includes Regular Board Meetings, Closed Sessions, Board Workshops, Committee Meetings, and any other Special Board Meetings.

In addition, when the Board formally changed the Board meeting time to 4:00 pm in July 2021, there was direction to implement this change for a six-month trial period that would start when the Board returns to in-person meetings. Therefore, when the Board returns to in-person meetings in March, the clock on that six-month trial period will start. At the end of the trial period, staff will bring a discussion item to the Board to discuss whether to continue holding meetings at 4:00 pm.

Background

AB 361 was signed into law by the Governor on September 16, 2021, and amends the Brown Act to allow local legislative bodies to continue using teleconferencing and virtual meeting technology as long as there is a “proclaimed state of emergency” by the Governor. This allowance also depends on state or local officials imposing or recommending measures that promote social distancing or a legislative body finding that meeting in person would present an imminent safety risk to attendees. Though adopted in the context of the pandemic, AB 361 will allow for virtual meetings during other proclaimed emergencies, such as earthquakes or wildfires, where physical attendance may present a risk.

AB 361 prohibits councils and boards from limiting public comments to those submitted in advance of the meeting and specifies that the legislative body “must provide an opportunity for the public to ... offer comment in real time.” (Government Code 54953(e)(2)(E). Additionally, the body must allow a reasonable time for public comment during the comment periods. The District allows for email comments to be submitted throughout Board meeting and the Board Clerk checks for emails continuously, including during the public comment portion for each agenda item.

The agenda must include information on the manner in which the public may access the meeting and provide comments remotely. AB 361 provides that if technical problems arise that result in the public’s access being disrupted, the legislative body may not take any vote or other official action until the technical disruption is corrected and public access is restored.

In addition, as noted in the Discussion section above, AB 361 requires public agencies to make findings by majority vote within 30 days of the first teleconferenced meeting under AB 361 and every 30 days thereafter that a state of emergency still exists and continues to directly impact the ability of the members to meet safely in person, or that officials continue to impose or recommend measures to promote social distancing. AB 361 will sunset on January 1, 2024.

Previous Board Action

The Board has adopted resolutions at least every 30 days starting on October 25, 2021, authorizing the use of teleconference meetings.

July 12, 2021 – Adopted Resolution No. 2928 Setting the Time and Place for Holding Regular Meetings of the Union Sanitary District Board of Directors, with a start time of 4:00 pm, and review approximately six months after meetings return in-person.

RESOLUTION NO. __

**A RESOLUTION OF THE BOARD OF DIRECTORS AUTHORIZING THE
USE OF TELECONFERENCE MEETINGS IN COMPLIANCE WITH AB 361**

WHEREAS, the Union Sanitary District is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

WHEREAS, all meetings of Union Sanitary District's legislative bodies are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963); and

WHEREAS, Government Code 54953(e) permits teleconferencing in the event that a state of emergency is declared by the Governor pursuant to Government Code section 8625, and that either state or local officials have imposed or recommended measures to promote social distancing, or that the legislative body finds that meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, on March 4, 2020, Governor Newsom issued a Proclamation of a State of Emergency in response to COVID-19, which remains in effect; and

WHEREAS, the Board has adopted resolutions authorizing the use of teleconference meetings in compliance with AB 361 since October 25, 2021; and

WHEREAS, the Board now desires to reaffirm and make the findings required to continue holding teleconference meetings in compliance with AB 361 due to COVID-19.

**NOW, THEREFORE, BE IT RESOLVED, BY THE UNION SANITARY
DISTRICT BOARD OF DIRECTORS, AS FOLLOWS:**

1. The above recitals are true and correct and are material to this Resolution and are incorporated into this Resolution as findings of the District Board.

2. Pursuant to the requirements of Government Code Section 54953(e)(3), the District Board makes the following findings:

- (a) The state of emergency continues to exist;
- (b) The District Board has considered the circumstances of the continuing state of emergency;
- (c) Holding meetings in person will present imminent risks to the health and safety of attendees; and
- (d) The District Board will continue to meet by teleconference in accordance with Government Code section 54953(e).

3. The aforementioned findings apply to all committees and subcommittees of the District which are classified as legislative bodies pursuant to Government Code Section 54952.

4. The District Board will reconsider at least every 30 days, the circumstances of the emergency and review whether it continues to directly impact the ability of the members to meet safely in person.

5. If any section, subsection, subdivision, sentence, clause, phrase, or portion of this Resolution is, for any reason, held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Resolution. The Board hereby declares that it would have adopted this Resolution and each and every section, subsection, subdivision, sentence, clause, phrase, or portion thereof, irrespective of the fact that any one or more sections, subsections, subdivisions, sentences, clauses, phrases, or portions thereof be declared unconstitutional.

6. This Resolution shall take effect immediately upon its adoption.

PASSED, APPROVED, AND ADOPTED at a regular meeting of the Board of Directors on this 23rd day of January, 2023.

AYES:

NOES:

ABSENT:

Jennifer Toy, Secretary

Anjali Lathi, President



TREAT
PROTECT
PRESERVE
est. 1918
USD
TRI-CITY WASTEWATER

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**JANUARY 23, 2023
BOARD OF DIRECTORS
MEETING AGENDA ITEM # 15**

TITLE: CAL-Card Quarterly Merchant Activity Report *(This is an Information Item)*

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Mark Carlson, Work Group Manager
Skip Calvo, Purchasing Agent

Recommendation

Information only.

Discussion

Information only.

Background

The attached CAL-Card Merchant Spend Analysis details the CAL-Card activity for the second quarter of FY 2023. This covers transactions from the CAL-Card billing period September 24, 2022 through December 22, 2022. During this quarter, we had 279 transactions totaling \$106,214.74.

Previous Board Action

None.

Attachments

Union Sanitary District Cal-Card Report.

Union Sanitary District Cal-Card Report FY23 Q2

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Assembly Systems	Kohler Gas Compressor	\$10,394.46	12/8/2022	FMC	Mech
Petersen Trucks	Repairs on Truck # T2355	\$8,575.59	9/29/2022	CS	ST
California Hydronics Corp.	Cogen Part	\$5,247.59	9/29/2022	FMC	FMC
Petersen Trucks	Repairs on Truck # T2355	\$3,225.18	9/30/2022	CS	ST
Webstaurant Store	Electric Food Warmer for District BBQ	\$2,913.69	10/12/2022	FMC	FMC
CA Surveying & Drafting	Schonstedt GA-52CX Locator (2 each)	\$2,334.61	11/8/2022	CS	MTV
Blueair	HEPA Air Purifier with Smart Filter Replacement	\$1,949.17	10/5/2022	CS	ST
CWEA	CWEA Northern CA Safety Day Group Registration	\$1,665.00	9/29/2022	CS	CS
PMA Online	Fundamentals of SCADA Online Course	\$1,595.00	11/15/2022	FMC	IT
Inventive Resources, Inc.	Replacement Manhole Odor Eliminator Filters	\$1,427.00	11/28/2022	CS	MTV
Costco	Supplies for EE BBQ	\$1,423.89	10/31/2022	GM	GM
Owen Equipment	Float ball cages, Trk T3343	\$1,393.62	12/13/2022	CS	ST
Celebration Party Equipment Rentals, Inc	1st payment for rental equipment for EE BBQ (chairs, tables, tents)	\$1,300.00	10/11/2022	GM	GM
Celebration Party Equipment Rentals, Inc.	2nd payment for rental equipment for EE BBQ	\$1,264.75	10/31/2022	GM	GM
Uline	Janitorial Cart for Recycling	\$1,188.22	10/3/2022	CS	ST
Eagle Wings Company	Fall Protection, Confined Space, Excavation and Flagger Training	\$1,180.00	10/31/2022	CS	MTV
Rogue Fitness	Rogue Echo Bike (\$895.00), Echo Bike Turf Tire & Handle Kit (\$90.00), Echo Bike Phone Holder (\$10.00) - purchase for the exercise committee	\$1,139.92	12/20/2022	Exercise Comm.	Exercise Comm.
Blueair, Inc.	Air Purifier	\$1,035.49	11/3/2022	CS	ST
Dell	Evaluation SCADA View Node	\$990.98	11/19/2022	FMC	IT
The Human Solution	Ergo chair	\$940.27	11/3/2022	T&D	R&S
NELAC Institute	Conference registration	\$940.00	11/21/2022	T&D	R&S
Dell	Replacement Monitors	\$930.97	11/11/2022	FMC	IT
Home Depot	Cement, sand, ratchet strap	\$900.71	12/7/2022	CS	CT
Nespresso	Coffee Makers	\$868.00	9/30/2022	GM	GM
NFPA	NFPA 70 Book for Electricians	\$858.26	10/10/2022	FMC	Elect
Eagle Wings Company	Fall Protection, Confined Space Training	\$830.00	11/8/2022	FMC	Mech
Eagle Wings Company	Excavation/Competent Person Training	\$790.00	9/23/2022	CS	MTV
SP Diesel Equipment	Air Filters for Engine Generator 7	\$777.60	9/27/2022	FMC	FMC
Sheraton New Orleans	Lodging for WEFtec	\$777.56	9/23/2022	FMC	Mech
Sheraton New Orleans	Lodging for WEFtec	\$777.56	9/23/2022	FMC	Mech
Amazon	Water filters	\$774.43	12/2/2022	CS	ST
NATEC International	Confined Space (\$185/each) & Fall Protection Class (\$185/each) Registration (classes held in-person on 11/4/22)	\$762.20	10/6/2022	T&D	T&D
Smithco	Plugs & Gaskets for Cogen	\$761.24	10/28/2022	FMC	FMC
The Kevin Eikenberry Group	DISC Personality Assessment Credits	\$760.50	12/14/2022	BS	BS
IDEXX	Enterolert media	\$729.77	9/28/2022	T&D	R&S
Instrumart	Model 3900 PH Probe	\$682.84	12/12/2022	FMC	FMC

Union Sanitary District Cal-Card Report
FY23 Q2

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Interstate	Batteries	\$665.27	12/14/2022	FMC	FMC
Logitech	Noise canceling headphones	\$664.47	10/13/2022	FMC	IT
Jensen Instrument	Grounding rings	\$658.50	9/22/2022	FMC	FMC
Uline	Drum Grabber	\$608.78	11/10/2022	CS	ST
Costco	Blueair Protect 7710i HEPA Silent Ultra Air Purifier w/ Germshield (Item #1535136) Originally \$699.99-Discout \$170.00=\$529.99) - for Alvarado Conference Room	\$586.97	11/16/2022	T&D	T&D
NSI Lab Solutions	E. coli standards	\$567.00	11/22/2022	T&D	R&S
Grainger	Folding ladder	\$551.41	10/10/2022	T&D	R&S
ZipRecruiter	Monthly Subscription	\$549.00	9/28/2022	BS	OST
ZipRecruiter	Monthly Subscription	\$549.00	10/28/2022	BS	OST
ZipRecruiter	Monthly Subscription	\$549.00	11/28/2022	BS	OST
Cartpros	Cart Axle	\$543.14	11/1/2022	CS	ST
American Payroll Association	APA Year & Webinar Series	\$540.00	10/26/2022	BS	FAST
American Payroll Association	APA Year & Webinar Series	\$540.00	10/27/2022	BS	FAST
Cole-Parmer	WIFI Temperature logger	\$534.23	11/29/2022	T&D	R&S
Logitech	Noise canceling headphones for TPO	\$531.58	9/30/2022	FMC	IT
Kim's Kustom Embroidery	Apron Embroidery	\$528.28	10/31/2022	BS	BS
Print-2-Mail	2022 year-end tax forms	\$525.34	12/12/2022	BS	BS
Nespresso	Coffee Makers	\$520.80	10/1/2022	GM	GM
Environmental Express	Metals standards	\$513.30	12/5/2022	T&D	R&S
Peterson Cat	Wheel, Backhoe #M6354	\$510.93	11/18/2022	CS	ST
Quick Search	Background Checks	\$504.08	11/3/2022	BS	OST
Association for CalGovHR	CalGovHR Conference Registration	\$499.00	11/30/2022	BS	BS
Municipal Maint	Pulsation valve, Pipe Hunter	\$483.28	9/22/2022	CS	ST
Fibreglast	Fiberglass resin kits	\$464.99	10/13/2022	FMC	FMC
Do My Own	Roach Bait and Bait Trays for CS Vector Control Program	\$457.48	12/15/2022	CS	MTV
Logitech	Logitech Headset	\$442.98	10/11/2022	FMC	IT
Eagle Wings Company	Confined Space Training	\$415.00	12/14/2022	ETSU	ETSU
Amazon	Filters, E5377	\$409.70	12/9/2022	CS	ST
Zoom	Zoom for Board meetings	\$408.39	10/17/2022	FMC	IT
Zoom	Zoom for Board Meetings	\$408.39	11/17/2022	FMC	IT
Zoom	Zoom for Board meetings	\$408.39	12/17/2022	FMC	IT
BlueBeam	BlueBeam Software License	\$400.00	12/21/2022	FMC	IT
Quick Search	New Hire Pre-employment Background Check Services	\$394.54	11/3/2022	BS	OST
Owen Equipment	Pipe extension, Trk #T3252	\$393.69	9/29/2022	CS	ST
Floor Mat Company	Gas mats for TPO	\$382.09	9/27/2022	T&D	TPO
Celebration Party Equipment Rentals, Inc.	Rental heaters and propane for EE BBQ	\$380.00	11/1/2022	GM	GM
DUO	MFA Month Subscription	\$375.00	9/23/2023	FMC	IT
DUO	MFA Month Subscription	\$375.00	10/23/2022	FMC	IT

Union Sanitary District Cal-Card Report
FY23 Q2

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
NASSCO	NASSCO Recertification	\$375.00	12/5/2022	CS	MTV
DUO	MFA	\$375.00	11/23/2022	FMC	IT
CDWG	Fijitsu ScanSnap	\$373.29	10/3/2022	FMC	IT
eBay	Cart Tires	\$355.38	10/19/2022	CS	ST
eBay	Cart Tires	\$355.38	10/26/2022	CS	ST
All filters	Water filters	\$353.68	12/2/2022	CS	ST
WEF	WEF Membership Renewal	\$342.00	12/14/2022	FMC	Mech
Harbor Freight	Shop Tools	\$341.75	11/2/2022	CS	ST
Webstaurant Store	Trays for BBQ warmer	\$341.39	10/12/2022	FMC	FMC
Cintas	New USD Patches (Qty 100)	\$341.09	12/13/2022	BS	BS
BestBuy	Logitech Headset	\$332.22	10/6/2022	FMC	IT
BestBuy	Logitech Headset	\$332.22	10/17/2022	FMC	IT
WEF	WEF Membership Renewal	\$332.00	9/28/2022	FMC	FMC
Southwest	Airline tickets to San Antonio (TNI Conference)	\$331.96	11/21/2022	T&D	R&S
Cal Chamber of Commerce	2023 CA Labor Law Poster with Poster Protect - 6 copies	\$330.91	12/20/2022	BS	OST
CDWG	Printhead (Plotter)	\$322.00	10/12/2022	FMC	IT
Americas Tire	Tires, P8365	\$321.53	11/11/2022	CS	ST
Wayfair	Adjustable Drafting Table	\$321.16	11/14/2022	CS	CS
Amazon	Backup Camera	\$319.48	10/18/2022	CS	ST
CDW	Battery for PLC42	\$311.69	12/9/2022	FMC	FMC
AWWA	Membership Renewal	\$311.00	12/8/2022	BS	OST
BestBuy	JBL Portable Speakers - Plant Conference Room	\$310.09	12/6/2022	FMC	IT
CWEA	CWEA membership & EC III certification	\$307.00	11/4/2022	T&D	R&S
CWEA	Collection System Training	\$300.00	11/17/2022	CS	MTV
Print-2-Mail	2022 year-end tax forms	\$297.34	9/27/2022	BS	BS
Amazon	Thermometer (4 each)	\$294.96	10/13/2022	CS	ST
Amazon	Blue light screen guards for Collections	\$285.66	10/18/2022	FMC	IT
Costco	Supplies for EE BBQ	\$277.51	10/31/2022	GM	GM
WEF	WEF Membership Renewal	\$277.00	12/14/2022	FMC	FMC
California Association of Public Information Officials	Membership fees	\$275.00	10/20/2022	TS	CST
Amazon	Supplies for EE BBQ (tallow and butcher paper roll)	\$267.11	10/14/2022	GM	GM
Water Environment Federation	Professional Operator Membership	\$267.00	9/19/2022	CS	CS
BestBuy	Logitech Headset - Stock	\$265.77	11/23/2022	FMC	IT
BestBuy	Logitech Headset - Stock	\$265.77	11/24/2022	FMC	IT
BestBuy	Logitech Headset - Stock	\$265.77	12/7/2022	FMC	IT
Cable Ties and More	Heavy Duty Cable Protector ramp	\$265.31	10/26/2022	FMC	FMC
ERA	Trace Metals standard	\$262.58	12/6/2022	T&D	R&S
Applied Filters	VFD Filters 7x7	\$248.91	11/1/2022	FMC	FMC
SHRM	SHRM Professional Membership Renewal	\$229.00	12/19/2022	BS	OST
Lowes	Drill Bits for CS Shop	\$224.76	11/18/2022	CS	ST
Kleen-Rite Corp	Piian Pump Rebuild Kit	\$221.72	11/10/2022	FMC	FMC

Union Sanitary District Cal-Card Report
FY23 Q2

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
BestBuy	Logitech Headset	\$221.48	10/14/2022	FMC	IT
Home Depot	1 Lithium Ion Battery & Charger; 2 LED Spotlights	\$220.33	12/20/2022	TS	CST
Apec Water	Water filters	\$208.45	12/5/2022	CS	ST
CWEA	Membership Renewal	\$202.00	10/19/2022	TS	EC
CWEA	Membership Renewal	\$202.00	10/14/2022	FMC	Elect
CWEA	Membership Renewal	\$202.00	10/24/2022	CS	CS
CWEA	Membership Renewal	\$202.00	12/1/2022	TS	EC
CWEA	Membership Renewal	\$202.00	12/8/2022	TS	EC
Brown and Caldwell	Post Assistant/Associate Engineer Job on BC WaterJobs	\$200.00	11/3/2022	BS	OST
City Clerks Association of California	Membership Renewal	\$200.00	12/8/2022	GM	GM
Insurance Education Association	Workers Comp Course	\$199.00	10/26/2022	BS	OST
NeoGov	Job Boost Instrument Technician/Electrician Position on Governmentjobs.com	\$199.00	11/18/2022	BS	OST
Batteries & Bulbs	Battery for PLC42	\$198.36	12/13/2022	FMC	FMC
NATEC International	Fall Protection Training	\$190.55	12/1/2022	ETSU	ETSU
Walmart	Water filters	\$187.27	11/25/2022	CS	ST
CWEA	CWEA Northern Safety Days	\$185.00	10/7/2022	FMC	Mech
CWEA	CWEA Northern Safety Days	\$185.00	10/7/2022	FMC	Mech
CWEA	CWEA Northern Safety Days	\$185.00	10/7/2022	FMC	Elect
CWEA	CWEA Northern Safety Days	\$185.00	10/7/2022	FMC	Elect
DKF SolutionsGroup LLC	SSO Emergency Response Training	\$185.00	11/8/2022	CS	CT
ESRI	2 Licenses for ArcGIS Online Editor Annual Subscription	\$180.82	11/10/2022	FMC	IT
Lowes	Wood for easement trailer	\$179.53	11/16/2022	CS	ST
Kool Temp	Blower, T3343	\$170.66	12/12/2022	CS	ST
The Hitt Company	Street Yield Stencil	\$167.68	10/5/2022	FMC	FMC
Swagelok	Stainless Steel parts	\$166.04	11/10/2022	FMC	FMC
Lowes	Ref CS	\$164.27	10/25/2022	CS	ST
eBay	Nox Sensor T2374	\$161.98	12/8/2022	CS	ST
Tap Plastics	Plastic Window	\$153.29	12/13/2022	FMC	FMC
Gensys Parts DIY	Fuel, Air, Oil Filter for FLS Engine Gen	\$150.45	10/17/2022	FMC	FMC
AMPP	AMPP Membership Renewal	\$150.00	9/30/2022	FMC	Elect
The Kevin Eikenberry	DISC Training	\$149.00	10/7/2022	BS	BS
Fechometal	Banding Material - LMK	\$145.25	11/28/2022	CS	CT
CAPPO	Membership Renewal	\$140.00	12/19/2022	BS	FAST
Maks	FCM, T1267	\$136.88	11/2/2022	CS	ST
Gensysparts	Generator filters	\$136.51	11/2/2022	FMC	FMC
NSI Lab Solutions	Chlorine standards	\$132.50	12/5/2022	T&D	R&S
Amazon	Duct tape - LMK	\$132.36	12/6/2022	CS	CT
NeoGov	Job Boost Instrument Technician/Electrician Position on Indeed	\$130.00	11/3/2022	BS	OST

Union Sanitary District Cal-Card Report
FY23 Q2

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
NPI	Membership Renewal	\$130.00	12/19/2022	BS	FAST
NeoGov	Job Boost Instrument Tech/Electrician job on Governmentjobs.com	\$125.00	10/20/2022	BS	OST
Sacramento State	Advanced Wastewater Training	\$122.55	10/4/2022	ETSU	ETSU
Lowes	E. Trailer parts	\$121.78	12/15/2022	CS	ST
Crown Awards	Purchase of 11 trophies for OST Awards	\$121.70	12/8/2022	BS	BS
Thermo Fisher	Evaporator fan motor	\$117.40	11/14/2022	FMC	FMC
Fastsigns	Crew Room Desk Labels	\$115.80	10/11/2022	CS	CS
ThermoWorks	Meat Thermometer for Employee BBQ	\$114.63	10/28/2022	FMC	FMC
Blackhawk Supply	Leak Detector	\$113.95	12/5/2022	FMC	FMC
BestBuy	Logitech Headset	\$110.74	9/22/2023	FMC	IT
Home Depot	81V In-Vehicle Dual Chemistry Charger	\$110.67	12/20/2022	TS	CST
Amazon	Oil filters	\$109.34	10/5/2022	CS	ST
BNP Media	ENR Magazine Subscription Renewal	\$108.00	10/27/2022	TS	CIP
Smart and Final	Supplies for EE BBQ	\$106.88	11/2/2022	GM	GM
Golden Gate Truck	Engine oil dip stick, T3252	\$105.14	12/5/2022	CS	ST
CWEA	Certification Renewal	\$105.00	10/20/2022	TS	EC
CWEA	Certification Renewal	\$105.00	10/14/2022	FMC	Elect
Net4Sale	Satin Black Paint	\$104.25	11/18/2022	FMC	FMC
Weftec	Registration	\$100.00	9/28/2022	FMC	Mech
The Business Journals	San Francisco Business Times Subscription Renewal	\$100.00	9/24/2022	GM	GM
VALERO 7 ELEVEN	Diesel Fuel in Bakersfield	\$100.00	11/7/2022	FMC	FMC
CPS HR	Registration for webinar on Diversity and Inclusion	\$100.00	11/9/2022	BS	OST
CWEA	Certification	\$100.00	12/1/2022	TS	EC
CWEA	CSWII Certification	\$100.00	12/19/2022	CS	CS
CWEA	Certification	\$100.00	12/5/2022	CS	CS
CWEA	Mech Tech 2 Cert Renewal	\$100.00	12/15/2022	FMC	Mech
Home Depot	Cordless Hand Vacuum Kit	\$99.64	12/20/2022	TS	CST
Quick Search	Background checks	\$98.55	12/7/2022	BS	OST
CWEA	Mech Tech I Cert Renewal	\$95.00	11/8/2022	FMC	Mech
Lowes	Concrete	\$90.79	10/6/2022	ETSU	ETSU
The Business Journal	1-Year subscription	\$90.00	10/7/2022	TS	EC
The Flower Shop, Fremont	Flowers per USD Policy 5335	\$87.39	9/26/2022	CS	CS
Dish Network	Dish Network Monthly Charge	\$86.06	12/3/2022	BS	BS
Dish Network	Dish Network Monthly Charge	\$81.04	10/3/2022	BS	BS
Dish Network	Dish Network Monthly Charge	\$81.04	11/2/2022	BS	BS
Milwaukee	Milwaukee M12 3/8" Impact Replacement	\$79.98	9/22/2022	FMC	Mech
NELAC Institute	TNI membership	\$75.00	11/2/2022	T&D	R&S
NELAC Institute	TNI membership	\$75.00	11/2/2022	T&D	R&S
Liebert Cassidy Whitmore	Registration for webinar on Public Agency Legislative Roundup	\$75.00	11/14/2022	BS	OST
Meta/Facebook	Boosted posts (Ads)	\$75.00	12/5/2022	TS	CST

Union Sanitary District Cal-Card Report
FY23 Q2

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Nespresso	Nespresso Discovery Pack of (60) coffee pods	\$73.50	12/6/2022	T&D	T&D
Amazon	Data transfer cables	\$73.06	10/16/2022	FMC	IT
Lowes	Draino	\$73.01	10/7/2022	CS	ST
Amazon	Air hose fittings	\$71.10	11/19/2022	CS	ST
Bay Nature	3-year subscription	\$70.95	9/29/2022	TS	EC
Smart and Final	Supplies for EE BBQ	\$70.38	10/31/2022	GM	GM
1-800-FLOWERS	Flowers per USD Policy 5335	\$68.49	9/27/2022	CS	CS
Lowes	Concrete	\$66.02	9/27/2022	ETSU	ETSU
Dell	Monitor Soundbar	\$65.55	11/11/2022	FMC	IT
Amazon	Battery Tester	\$65.33	12/13/2022	CS	ST
FMCSA D&A Clearinghouse	Commercial Driver Clearinghouse Query Plan Purchase - 50 queries	\$62.50	11/28/2022	BS	OST
Meta/Facebook	Boosted posts (Ads)	\$60.00	11/5/2022	TS	CST
CA Dept. of Pesticide Regulation	Pesticide Applicator License	\$60.00	11/30/2022	CS	CS
Amazon	EE Recognition Event Food Supplies	\$59.98	10/28/2022	CS	CS
Amazon	Office supplies (wall calendars)	\$59.78	11/22/2022	GM	GM
Rice Lake	Thermometer Calibration	\$58.00	12/15/2023	T&D	R&S
Lowes	Vise grip for LMK bladder	\$57.55	11/18/2022	CS	CT
Swagelok	Stainless Steel parts	\$57.29	11/10/2022	FMC	FMC
Amazon	Vacuum filters	\$52.98	10/13/2022	CS	ST
Franklin Planner	Purchase of 2023 Planner Refill	\$51.66	11/9/2022	BS	BS
Aramark	PPE Summer Jacket	\$51.47	10/23/2022	FMC	Mech
USA Blue Book	Manhole Cover Cushion Gasket Material	\$51.00	10/4/2022	CS	CT
AutoZone	Heater & Defroster	\$50.92	12/14/2022	CS	MTV
Chemetrics	Formaldehyde test kit	\$47.90	10/7/2022	T&D	R&S
Milwaukee	Milwaukee M12 battery replacement	\$46.09	9/22/2022	FMC	Mech
Milwaukee	Milwaukee M12 battery replacement	\$46.09	9/22/2022	FMC	Mech
Milwaukee	Milwaukee M12 battery replacement	\$46.09	9/22/2022	FMC	Mech
Fremont Chamber of Commerce	State of the County Registration	\$45.00	9/28/2022	BOARD	BOARD
Fremont Chamber of Commerce	State of the County Registration	\$45.00	10/12/2022	BOARD	BOARD
Amazon	Tachometer, Trk #T2017	\$44.29	10/13/2022	CS	ST
CWEA	Registration for Maintenance Training Day	\$40.00	10/10/2022	FMC	Mech
CWEA	Registration for Maintenance Training Day	\$40.00	10/13/2022	FMC	Mech
BestBuy	Anker USB-C Hub	\$38.70	9/26/2022	FMC	IT
FedEx	Scanned Copies of Maintenance Records for USD Truck T3346	\$37.99	11/16/2022	CS	ST
Autozone	Bulbs	\$37.63	10/3/2022	CS	ST
Officesupply.com	Calendar	\$36.42	12/12/2022	FMC	FMC
Crown Award	Purchase 2 trophies for employee recognition	\$35.40	10/28/2022	BS	BS
CDWG	Logitech Desk Speakers	\$34.76	11/29/2022	FMC	IT
Lowes	E. Trailer parts	\$34.22	12/8/2022	CS	ST
Insacoa	Vacuum Breaker	\$33.34	12/5/2022	FMC	FMC

Union Sanitary District Cal-Card Report
FY23 Q2

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Walmart	Wheel Covers, P8365	\$33.18	11/29/2022	CS	ST
Amazon	Office Supplies (electric stapler)	\$32.66	10/15/2022	GM	GM
Tap Plastic	Clear Cover	\$32.04	9/20/2022	FMC	Mech
Walmart	Supplies	\$29.67	12/15/2022	CS	ST
Amazon	CS Safety - Sept.	\$28.78	11/30/2022	CS	CT
Lowes	Vise grip for LMK bladder	\$28.77	11/18/2022	CS	CT
Amazon	CS Safety - Oct.	\$27.68	11/30/2022	CS	ST
Amazon	CS Safety - Oct.	\$27.68	12/1/2022	CS	MTV
Amazon	CS Safety - Oct.	\$27.68	12/5/2022	CS	CT
Amazon	CS Safety - Sept.	\$27.67	12/6/2022	CS	ST
Amazon	HVAC Act., T1267	\$26.49	11/8/2022	CS	ST
Bay Area FasTrak	FasTrak Toll Violation, Notice Date 10/18/22	\$25.75	11/8/2022	TS	CST
Lowes	Steel Tube	\$25.45	11/15/2022	CS	ST
FastSigns	Shipping Costs	\$25.00	11/16/2022	CS	CS
Bay Area FasTrak	FASTRAK Device - Reload	\$25.00	11/15/2022	CS	CS
The Hitt Company	Additional freight charge for oversized box	\$24.62	10/12/2002	FMC	FMC
Lowes	Desk Light Bulbs	\$24.32	12/9/2022	CS	ST
Amazon	Lights, T1384	\$22.14	11/15/2022	CS	ST
Amazon	CS Safety - July	\$22.14	12/6/2022	CS	ST
Amazon	CS Safety - Sept.	\$20.49	12/6/2022	CS	MTV
Amazon	Trailer plugs	\$18.76	10/13/2022	CS	ST
Franklin Planner	Monthly Calendar	\$18.22	10/30/2022	TS	CST
Amazon	Prime Membership	\$16.60	10/21/2022	CS	ST
Amazon	Amazon Prime Membership	\$16.60	11/21/2022	CS	ST
Amazon	Amazon Prime Membership	\$16.60	12/22/2022	CS	ST
Amazon	Inner Tube, E5318	\$16.60	12/13/2022	CS	ST
Auto Zone	Polishing compound	\$15.49	11/3/2022	CS	ST
Amazon	CS Safety - Aug.	\$14.05	12/7/2022	CS	ST
Auto Zone	Electrical connectors	\$14.04	10/17/2022	CS	ST
San Jose Mercury News	Subscription digital newspaper	\$14.00	12/6/2022	TS	CST
Best Buy	Apple Lighting Adaptor	\$11.06	11/1/2022	FMC	FMC
Amazon	Washer Nozzles, T3345	\$11.06	12/4/2022	CS	ST
Walmart	Insoles	\$8.99	11/22/2022	CS	ST
Amazon	USB-C Cables	\$8.41	11/24/2022	FMC	IT
Lowes	E. Trailer parts	\$6.70	12/8/2022	CS	ST
Amazon	Batteries	\$6.63	11/16/2022	CS	ST
Amazon	Nail Brushes	\$5.30	11/30/2022	CS	ST
Thermo Fisher	Delivery	\$4.51	11/16/2022	FMC	FMC
Best Buy	Accidental personal charge	\$3.31	12/16/2022	FMC	IT
Maks	FCM core credit	-\$15.00	11/9/2022	CS	ST
Southwest Airlines	Credit for overcharge	-\$41.00	10/7/2022	BS	OST
CWEA	Credit for CWEA SFBS Annual Safety Seminar	-\$50.00	10/3/2022	FMC	Mech

Union Sanitary District Cal-Card Report
FY23 Q2

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Courtyard Marriott	Disputed charge - wrong credit card charged	-\$161.12	10/3/2022	FMC	Mech
Cole-Parmer	Credit Memo	-\$504.38	12/20/2023	T&D	R&S
CASA	Credit - Conference fees	-\$520.00	9/30/2022	TS	CST
Bed Bath & Beyond	Air Purifiers x2 Return Credit	-\$1,594.78	9/19/2022	CS	ST

TOTAL FOR Q2: \$106,214.74

TOTAL # OF TRANSACTIONS FOR Q2: 279



USD
TREAT
PROTECT
PRESERVE
est. 1918
TRI-CITY WASTEWATER

Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**JANUARY 23, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM #16**

TITLE: **Board Expenses for 2nd Quarter of Fiscal Year 2023 (*This is an Information Item*)**

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Mark Carlson, Business Services Manager/CFO

Recommendation

Information only.

Previous Board Action

None

Background

Please see attached the Board of Directors Quarterly Travel and Training Expenditure Report for the 2nd quarter of Fiscal Year 2023.

BOARD OF DIRECTORS

QUARTERLY TRAVEL AND TRAINING EXPENDITURE REPORT

2ND QTR, FISCAL YEAR 2023

Board Members	Description	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Beginning Balance	Y-T-D Expense	Balance Available
FERNANDEZ, MANNY								
	TOTAL	0.00	0.00	0.00	0.00	5000.00	0.00	5000.00
HANDLEY, TOM								
	CASA Conference Registration	625.00						
	CASA Conference: Lodging	905.43						
	CASA Conference: Mileage	221.25						
	CASA Conference: Per Diem	207.00						
	TOTAL	1,958.68	0.00	0.00	0.00	5000.00	1,958.68	3041.32
HARRISON, JENNIFER								
	Fremont State of the City Breakfast		45.00					
	TOTAL	0.00	45.00	0.00	0.00	5000.00	45.00	4955.00
KITE, PAT								
	TOTAL	0.00	0.00	0.00	0.00	5000.00	0.00	5000.00
LATHI, ANJALI								
	Fremont State of the City Breakfast		45.00					
	TOTAL	0.00	45.00	0.00	0.00	5000.00	45.00	4955.00
	GRAND TOTAL	1,958.68	90.00	0.00	0.00	25000.00	2,048.68	22951.32

The Board of Directors' Quarterly Expenditure Report is attached as part of the check register in accordance with Board Member Business Expense policy adopted September 5, 1991



**Summary of the EBDA Commission Meeting
Thursday, December 15, 2022, at 9:30 a.m.**

- Commissioners Andrews, Cutter, Duncan, Johnson, and Lathi, were present. This meeting was conducted telephonically and the dial-in information for the meeting was provided in the agenda.
- Commissioner Lathi moved to approve the Commission Meeting Minutes of November 17, 2022; List of Disbursements for November 2022; Preliminary Treasurer's Report for November 2022; Final Adjusted Treasurer's Reports for June, July, August, September, and October 2022; and Resolution Authorizing Remote Teleconference Meetings Pursuant to AB 361. The motion was seconded by Commissioner Cutter and carried 5-0.
- The Commission unanimously approved the reports from the Regulatory Affairs, Financial Management, and Operations & Maintenance Committees. The following items were discussed:
- **Motion to Accept the Audited Basic Financial Statements for Fiscal Year Ending June 30, 2022**
John Cropper of Cropper Accountancy provided the Commission with an overview of the Authority's Basic Financial Statements and their audit findings. Commissioner Cutter moved to approve the item. The motion was seconded by Commissioner Johnson and carried unanimously 5-0, by roll call vote.

Ayes: Commissioners Cutter, Lathi, Duncan, Johnson, Chair Andrews

Noes: None

Absent: None

Abstain: None

- **General Managers Report**
The General Manager (GM) discussed working with Bay Area wastewater agencies and Bay Area Air Quality Management District staff to ensure a reduction in air permit wait times for critical wastewater infrastructure. The GM provided an update on the Basin Plan Amendment for chlorine residual which, when approved, will significantly reduce EBDA's sodium bisulfite usage. The rule change is still awaiting EPA approval as they conduct required consultation with U.S. Fish and Wildlife Service. The GM announced the Strategic Planning Workshop to be held in person December 16, 2022, at Oro Loma Sanitary District's Board Room.
- **Manager's Advisory Committee**
The GM reported that the MAC discussed Strategic Planning and Member Agency re-branding efforts.
- **Regulatory Affairs Committee**
The GM reported on the December 14 meeting of the Regulatory Affairs Committee. The Committee discussed the implementation of the Laboratory Information Management System (LIMS) and recommended approval of the Caltest Analytical Contract.

- **Motion Authorizing the General Manager to Execute an Agreement with Caltest Analytical Laboratory in the Amount of \$500,000**

Commissioner Cutter moved to approve the item. The motion was seconded by Commissioner Lathi and carried unanimously 5-0, by roll call vote.

Ayes: Commissioners Cutter, Lathi, Duncan, Johnson, Chair Andrews

Noes: None

Absent: None

Abstain: None

- **Financial Management Committee**

The GM reported on the December 12 meeting of the Financial Management Committee. The Committee reviewed the List of Disbursements, Final Adjusted Treasurer's Report for June, July, August, September, and October and recommended approval. Lastly, the Committee reviewed and recommended proposed revisions to the Budget Policy.

- **Resolution Approving Revisions to the Authority's Budget Policy**

Commissioner Duncan moved to approve the item. The motion was seconded by Commissioner Johnson and carried unanimously 5-0, by roll call vote.

Ayes: Commissioners Cutter, Lathi, Duncan, Johnson, Chair Andrews

Noes: None

Absent: None

Abstain: None

- **Operations and Maintenance Committee**

The Operations and Maintenance (O&M) Manager and GM reported on the December 12 meeting of the Operations and Maintenance Committee. The O&M Manager updated the Commission on the HEPS Pump Replacement Project and the bidding process. The O&M manager updated the Commission on Member Agency's successful response to recent wet weather. The GM provided an update on the Cargill project and the AQPI Project.

- **Resolution of Appreciation for Pauline Russo Cutter**

Commissioner Lathi moved to approve the item. The motion was seconded by Commissioner Duncan and carried unanimously 5-0, by roll call vote.

Ayes: Commissioners Cutter, Lathi, Duncan, Johnson, Chair Andrews

Noes: None

Absent: None

Abstain: None

- **Items from Commission and Staff**

Chair Andrews announced a holiday toy drive taking place at City of Hayward Plaza on Sunday, December 18 from 2:00 – 4:00 pm.

- **Adjournment**

Chair Andrews adjourned the meeting at 10:28 a.m.

**UNION SANITARY DISTRICT
CHECK REGISTER
12/31/2022-01/13/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
182888	1/5/2023	114	201180114	HAZEN AND SAWYER	CAMPUS BUILDINGS (ADMIN, FMC, OPS)	\$149,550.75	\$317,634.22
	1/5/2023	114	2011800235		MP - AERATION BASIN MODIFICATIONS	\$633.94	
	1/5/2023	143	2011800911		HEADWORKS DEGRITTING STUDY	\$11,750.00	
	1/5/2023	114	2011800422		ETSU PHASE 1B PROJECT	\$56,457.50	
	1/5/2023	114	201180109		MP - AERATION BASIN MODIFICATIONS	\$99,242.03	
182902	1/5/2023		10384	NUVERA HOMES	REFUND # 53032	\$261,725.00	\$261,725.00
182911	1/5/2023	114	191233	PSOMAS CORP	AERATION BASIN MODIFICATIONS	\$185,691.56	\$185,691.56
182917	1/5/2023	110	33802	SYNAGRO WEST LLC	OCT 2022 BIOSOLIDS DISPOSAL	\$117,475.87	\$117,475.87
182931	1/12/2023	170	283760691	ALFA LAVAL INC	1 HEAT EXCHANGER	\$68,000.50	\$68,000.50
182981	1/12/2023	143	191483	PSOMAS CORP	STANDBY POWER SYSTEM UPGRADE	\$61,338.83	\$61,338.83
182868	1/5/2023	143	11467064	BROWN & CALDWELL CONSULTANTS	STANDBY POWER SYSTEM UPGRADE	\$34,218.52	\$38,322.76
	1/5/2023	143	11467059		COGEN REPLACEMENT & VENTILATION STUDY	\$2,274.41	
	1/5/2023	143	11466870		PRIMARY DIGESTER NO. 7	\$1,829.83	
182870	1/5/2023	173	56421	CDW GOVERNMENT LLC	VMWARE RENEW	\$28,809.00	\$32,141.40
	1/5/2023	173	60368		VMWARE WORKSPACE ONE RENEWAL	\$3,332.40	
182944	1/12/2023		B07M5G	BENEFIT COORDINATORS CORP	DELTA DENTAL CLAIMS - DEC 2022	\$27,077.69	\$30,781.84
	1/12/2023		B07M44		DELTA DENTAL AND VSP STMT - JAN 2023	\$3,704.15	

**UNION SANITARY DISTRICT
CHECK REGISTER
12/31/2022-01/13/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
182994	1/12/2023	144	20577419	TELEDYNE ISCO INC	REFRIGERATED SAMPLER	\$29,951.84	\$29,951.84
182961	1/12/2023	143	326499	CITY OF FREMONT	PERMIT: IRVINGTON BASIN RCP REHABILITATION	\$27,818.45	\$27,818.45
182997	1/12/2023	110	50798815	UNIVAR SOLUTIONS USA INC	4848.9 GALS SODIUM HYPOCHLORITE	\$7,691.17	\$23,163.45
	1/12/2023	110	50791854		4849.9 GALS SODIUM HYPOCHLORITE	\$7,692.76	
	1/12/2023	110	50791855		4904.6 GALS SODIUM HYPOCHLORITE	\$7,779.52	
182991	1/12/2023	110	658	SPECIFIC SPEED ENTERPRISES LTD	KEYSTONE PUMP & ACCESSORIES ORDER (FOR CB1 GRIT REMOVAL)	\$22,695.00	\$22,695.00
182922	1/5/2023	110	470008946	USP TECHNOLOGIES	2404 GALS HYDROGEN PEROXIDE	\$11,070.42	\$20,740.92
	1/5/2023	110	470008943		2100 GALS HYDROGEN PEROXIDE	\$9,670.50	
182916	1/5/2023	110	213116	SWRCB - STATE WATER RESOURCES	FY23 ANNUAL WDR FEES - ALVARADO WWTP	\$20,000.00	\$20,000.00
183000	1/12/2023	170	913147	VINCENT ELECTRIC MOTOR CO	REPAIR GENERATOR SUPPRESSORS	\$12,752.31	\$19,312.31
	1/12/2023	170	913146		REPAIR GENERATOR SUPPRESSORS	\$6,560.00	
182963	1/12/2023	173	17001100049447	GE DIGITAL LLC	GE OPERATIONS HUB LICENSING & SUPPORT	\$18,267.80	\$18,267.80
182920	1/5/2023	110	50774637	UNIVAR SOLUTIONS USA INC	4847.8 GALS SODIUM HYPOCHLORITE	\$7,689.43	\$15,537.80
	1/5/2023	110	50774638		4948 GALS SODIUM HYPOCHLORITE	\$7,848.37	

**UNION SANITARY DISTRICT
CHECK REGISTER
12/31/2022-01/13/2023**

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182907	1/5/2023		9646	PINNACLE PIPELINE INSPECTION	REFUND # 53022	\$2,500.00	\$15,000.00
	1/5/2023		10097		REFUND # 53029	\$2,500.00	
	1/5/2023		10667		REFUND # 53035	\$2,500.00	
	1/5/2023		10650		REFUND # 53033	\$2,500.00	
	1/5/2023		10651		REFUND # 53034	\$2,500.00	
	1/5/2023		10134		REFUND # 53030	\$2,500.00	
182919	1/5/2023		8928	UNDERGROUND CONSTRUCTION CO	REFUND # 53017	\$2,500.00	\$15,000.00
	1/5/2023		8794		REFUND # 53014	\$2,500.00	
	1/5/2023		8955		REFUND # 53018	\$2,500.00	
	1/5/2023		9081		REFUND # 53020	\$2,500.00	
	1/5/2023		9142		REFUND # 53021	\$2,500.00	
	1/5/2023		8452		REFUND # 53012	\$2,500.00	
182982	1/12/2023	171	75967	QUESTYME USA	CENTRIFUGE UPS & BATTERY REPLACEMENT	\$13,747.34	\$13,747.34
182951	1/12/2023	143	30853	CAROLLO ENGINEERS	ALVARADO INFLUENT PS PUMPS AND VFDS	\$12,564.28	\$12,564.28
182871	1/5/2023		10023	CHAMPION CLEANING SPECIALISTS	REFUND # 53027	\$2,500.00	\$12,500.00
	1/5/2023		18852		REFUND # 53037	\$2,500.00	
	1/5/2023		10141		REFUND # 53031	\$2,500.00	
	1/5/2023		10022		REFUND # 53026	\$2,500.00	
	1/5/2023		10021		REFUND # 53025	\$2,500.00	

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182952	1/12/2023	173	38291	CDW GOVERNMENT LLC	HORIZON VIEW MAINTENANCE AND SUPPORT RENEWAL	\$4,996.00	\$12,454.00
	1/12/2023	173	61689		ADMIN SERVER ROOM UPS SUPPORT AND MAINTENANCE RENEWAL	\$7,458.00	
182959	1/12/2023	143	180423	ESA	SEA LEVEL RISE STUDY UPDATE	\$10,770.00	\$10,770.00
182962	1/12/2023		92774	GATEWAY PRODUCTS GROUP INC	20 SPARK PLUGS	\$10,424.40	\$10,424.40
182904	1/5/2023	170	096020221104	PACIFIC GAS AND ELECTRIC	SERV TO 10/30/22 CATHODIC PROJECT	\$11.95	\$9,868.18
	1/5/2023	170	140120221213		SERV TO 12/04/22 IRVINGTON PS	\$6,980.13	
	1/5/2023	170	013720221212		SERV TO 12/05/22 BOYCE RD PS	\$2,876.10	
182867	1/5/2023	121	297042	BRENNTAG PACIFIC INC	2552 LBS SODIUM HYDROXIDE	\$2,178.33	\$9,772.97
	1/5/2023	121	297044		1276 LBS SODIUM HYDROXIDE	\$1,089.16	
	1/5/2023	121	297045		2552 LBS SODIUM HYDROXIDE	\$2,168.50	
	1/5/2023	121	297043		5104 LBS SODIUM HYDROXIDE	\$4,336.98	
182968	1/12/2023	143	2011800614	HAZEN AND SAWYER	THERMAL DRYER FEASIBILITY STUDY	\$9,515.00	\$9,515.00
182894	1/5/2023		374322230101	LINCOLN NATIONAL LIFE INS COMP	LIFE & DISABILITY INSURANCE - JAN 2023	\$9,114.31	\$9,114.31
182878	1/5/2023		28195	EXPRESS SEWER & DRAIN INC	REFUND # 53038	\$5,000.00	\$7,500.00
	1/5/2023		29269		REFUND # 53039	\$2,500.00	
183003	1/12/2023	123	2787443001	WHCI PLUMBING SUPPLY CO	ASTD PARTS & MATERIALS	\$6,965.08	\$6,965.08

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182986	1/12/2023	110	22121453	S&S TRUCKING	GRIT HAULING 12/09/2022	\$1,008.99	\$6,933.81
	1/12/2023	110	22122106		GRIT HAULING 12/19/2022	\$1,101.86	
	1/12/2023	110	22120807		GRIT HAULING 11/21 & 11/30/2022	\$3,156.75	
	1/12/2023	110	22121530		GRIT HAULING 12/7 & 12/14/2022	\$1,666.21	
182881	1/5/2023		92952	GATEWAY PRODUCTS GROUP INC	12 SPARK PLUGS	\$6,927.00	\$6,927.00
182906	1/5/2023	170	107009	PIIAN SYSTEMS LLC	2 PUMPS AND NOZZLE EXTENSIONS	\$5,298.68	\$5,298.68
182990	1/12/2023		8609	SISLER AND SISLER CONST	REFUND # 53056	\$5,220.00	\$5,220.00
182980	1/12/2023	170	103737	PRIME MECHANICAL SERVICE INC	PREVENTATIVE MAINT - AIR FILTERS	\$1,092.00	\$5,137.00
	1/12/2023	121	103736		ANNUAL COIL CLEANING	\$2,265.00	
	1/12/2023	121	103703		MONTHLY MAINTENANCE - DEC 22	\$1,780.00	
182977	1/12/2023	170	962920715	MSA SAFETY SALES	IPS MSA GAS DETECTION PCB BOARD	\$1,688.44	\$5,046.15
	1/12/2023	170	962923536		MSA PCB CONTROL BOARD BOYCE	\$3,357.71	
182897	1/5/2023		8833	MILLER PIPELINE LLC	REFUND # 53015	\$2,500.00	\$5,000.00
	1/5/2023		8866		REFUND # 53016	\$2,500.00	
182970	1/12/2023	170	354159	KAMAN INDUSTRIAL TECHNOLOGIES	2 CENTRIFUGE DISCHARGE BOOTS	\$3,741.86	\$3,741.86
182972	1/12/2023	136	54083	LANCE, SOLL & LUNGWARD LLP	2022 GOVERNMENT AUDIT	\$3,711.00	\$3,711.00
182932	1/12/2023	170	47479	ALLIED FLUID PRODUCTS CORP	5 HOSE ASSEMBLIES	\$3,674.15	\$3,674.15

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182939	1/12/2023		19246409	AT&T	SERV: 11/20/22 - 12/19/22	\$244.35	\$3,670.94
	1/12/2023		19246387		SERV: 11/20/22 - 12/19/22	\$3,402.55	
	1/12/2023		19246385		SERV: 11/20/22 - 12/19/22	\$24.04	
182999	1/12/2023		9923456750	VERIZON WIRELESS	WIRELESS SERV 11/21/22-12/20/22	\$846.77	\$3,651.94
	1/12/2023		9923456751		WIRELESS SERV 11/21/22-12/20/22	\$2,805.17	
182978	1/12/2023	141	2022122781	NBS	SEWER SERVICE CHARGE DATA SERV JAN - MAR 2023	\$3,609.20	\$3,609.20
182976	1/12/2023	170	2400155409	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$3,403.96	\$3,403.96
182857	1/5/2023	170	2000687222	AECOM TECHNICAL SERVICES INC	HAZMAT CONSULTING SERVICES	\$3,344.53	\$3,344.53
182947	1/12/2023	121	298553	BRENNTAG PACIFIC INC	3828 LBS SODIUM HYDROXIDE	\$3,339.47	\$3,339.47
182900	1/5/2023	136	2022122894	NBS	BOND DISCLOSURE SERVICES	\$1,652.84	\$3,305.68
	1/5/2023	136	2022122895		BOND DISCLOSURE SERVICES	\$1,652.84	
182861	1/5/2023		32640	ARCO MURRAY	REFUND # 53051	\$3,300.00	\$3,300.00
182983	1/12/2023	120	916005151118	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - JAN 2023	\$3,144.97	\$3,144.97
182889	1/5/2023	132	38362	ICE SAFETY SOLUTIONS INC	CPR TRAINING	\$3,000.00	\$3,000.00
182966	1/12/2023	170	96994200	H & E EQUIPMENT SERVICES INC	EQUIPMENT RENTAL 11/30/2022 -	\$2,956.30	\$2,956.30
182987	1/12/2023	173	51640	SACRAMENTO COMPUTER POWER INC	4 UPS BATTERY REPLACEMENTS	\$2,835.20	\$2,835.20
182934	1/12/2023		20221210	AMAZON.COM LLC	12/22 - ASTD OFFICE SUPPLIES	\$2,746.49	\$2,746.49
182901	1/5/2023	170	140770	NEW IMAGE LANDSCAPING CO	LANDSCAPE MAINTENANCE - FMC - DEC	\$2,555.59	\$2,555.59
182865	1/5/2023		30319	BESS TESTLAB INC	REFUND # 53040	\$2,500.00	\$2,500.00

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182875	1/5/2023		30379	D.W. YOUNG CONSTRUCTION CO INC	REFUND # 53041	\$2,500.00	\$2,500.00
182896	1/5/2023		9804	MCKUIN PIPELINE INC	REFUND # 53024	\$2,500.00	\$2,500.00
182903	1/5/2023		17821	OVERTON MOORE PROPERTIES	REFUND # 53036	\$2,500.00	\$2,500.00
182908	1/5/2023		30472	PIPE AND PLANT SOLUTIONS INC	REFUND # 53042	\$2,500.00	\$2,500.00
182933	1/12/2023		39979	ALLSTATE WATER HEATERS INC.	REFUND # 53060	\$2,500.00	\$2,500.00
182989	1/12/2023		2118038003	SAN LEANDRO ELECTRIC SUPPLY	ASTD ELECTRICAL SUPPLIES	\$2,477.02	\$2,477.02
182965	1/12/2023		9536115737	GRAINGER INC	ASTD PARTS & MATERIALS	\$1,288.02	\$2,476.39
	1/12/2023	170	9533782844		ASTD PARTS & MATERIALS	\$489.12	
	1/12/2023	170	9534567814		ASTD PARTS & MATERIALS	\$699.25	
182885	1/5/2023		9528034896	GRAINGER INC	ASTD PARTS & MATERIALS	\$2,397.80	\$2,397.80
182949	1/12/2023	170	52702	CALCON SYSTEMS	PLANT FLOW METER CALIBRATION	\$2,380.00	\$2,380.00
182955	1/12/2023	170	20221220	COMMUNICATION & CONTROL INC	UTILITY FEE/ANTENNA RENTAL	\$2,362.14	\$2,362.14
182926	1/12/2023	150	70341	ABACUS PRODUCTS INC	175 TUMBLERS	\$2,360.93	\$2,360.93
182943	1/12/2023	170	21697	BAY CITY BOILER & ENGINEERING	BOILER 7 SEMI-ANNUAL PM - NOVEMBER 2022	\$2,305.00	\$2,305.00
182863	1/5/2023	170	155592	BABBITT BEARING CO INC	PC#1 GEARBOX REBUILD SHAFT REPAIRS	\$1,114.06	\$2,228.12
	1/5/2023	170	155593		PC#1 GEARBOX REBUILD SHAFT REPAIRS	\$1,114.06	
182937	1/12/2023	150	5188620220906	APWA AMERICAN PUBLIC WORKS	MEMBERSHIP RENEWAL: 12/1/22 - 11/30/23	\$2,127.50	\$2,127.50
182954	1/12/2023	170	13410	CLIPPER CONTROLS	SERVICE: 3 SAMPLER REPAIRS	\$2,049.66	\$2,049.66
182873	1/5/2023		160991726	COLORADO WASHINGTON INC COMCAST OF	FIBER INTERNET BACKUP - DEC 2022	\$2,010.71	\$2,010.71

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182891	1/5/2023	173	21011929	INFOR PUBLIC SECTOR, INC	HANSEN CONSULTING SERVICES	\$1,920.00	\$1,920.00
182973	1/12/2023	170	490851	LUBRICATION ENGINEERS INC	1 DR LE HIDROSTAL OIL	\$1,910.71	\$1,910.71
182957	1/12/2023	143	3647979	DAILY JOURNAL CORPORATION	AD: PLANT MISCELLANEOUS IMPROVEMENTS	\$1,815.84	\$1,815.84
182858	1/5/2023	120	16564	AMERICAN DISCOUNT SECURITY	11/01/22 - 11/30/22 GUARD AT DISTRICT	\$1,785.00	\$1,785.00
182984	1/12/2023	170	469465	RKI INSTRUMENTS INC	ASTD PARTS & MATERIALS	\$1,727.70	\$1,727.70
182859	1/5/2023	130	16507127	APPLEONE EMPLOYMENT SVCS	TEMP LABOR-GONZALES, WK END 12/10/2022	\$1,721.60	\$1,721.60
182877	1/5/2023		7593	ENERGY CHOICE INC	4 FILTERS	\$1,696.68	\$1,696.68
182975	1/12/2023		89942486	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$60.52	\$1,671.40
	1/12/2023	170	90088586		ASTD PARTS & MATERIALS	\$81.45	
	1/12/2023	170	90511262		ASTD PARTS & MATERIALS	\$297.72	
	1/12/2023	170	89970254		ASTD PARTS & MATERIALS	\$70.47	
	1/12/2023	170	90442642		ASTD PARTS & MATERIALS	\$671.87	
	1/12/2023		90507280		ASTD PARTS & MATERIALS	\$267.55	
	1/12/2023	122	90082711		ASTD PARTS & MATERIALS	\$221.82	
182979	1/12/2023	130	13509013	PFM ASSET MANAGEMENT LLC	INVESTMENT MANAGEMENT / ADVISORY SERVICES	\$1,500.00	\$1,500.00

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182913	1/5/2023	111	1691118108	RED WING BUS ADVANTAGE ACCT	SAFETY SHOES: K. VONG	\$225.00	\$1,494.01
	1/5/2023	110	835262610		SAFETY SHOES: S. SOTH	\$225.00	
	1/5/2023	122	8201132369		SAFETY SHOES: C. FERNANDEZ	\$203.38	
	1/5/2023	121	8201132040		SAFETY SHOES: C. YBARRA-MARTINEZ	\$208.33	
	1/5/2023	110	835262611		SAFETY SHOES: K. LANDSBOROUGH	\$225.00	
	1/5/2023	122	8201132370		SAFETY SHOES: F. ZARAGOZA	\$198.97	
	1/5/2023	121	8201132450		SAFETY SHOES: M. LOPEZ	\$208.33	
182935	1/12/2023	130	16512652	APPLEONE EMPLOYMENT SVCS	TEMP LABOR-GONZALES, WK END 12/17/22	\$1,377.28	\$1,377.28
182914	1/5/2023	141	61230510	ROBERT HALF INTERNATIONAL INC	TEMP LABOR-PRASAD, J. WK ENDING 12/09/2022	\$1,255.93	\$1,255.93
182872	1/5/2023	170	13353	CLIPPER CONTROLS	REPAIR FINAL EFFLUENT, RECLAIMED MCC AREA	\$1,177.76	\$1,177.76
182915	1/5/2023	132	50756	SLOAN SAKAI YEUNG & WONG LLP	SPECIAL COUNSEL SERVICES	\$1,167.18	\$1,167.18
183001	1/12/2023	113	8811513599	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$527.11	\$1,138.91
	1/12/2023	113	8811411524		LAB SUPPLIES	\$477.22	
	1/12/2023	113	8811436033		LAB SUPPLIES	\$91.17	
	1/12/2023	113	8811620992		LAB SUPPLIES	\$43.41	
182918	1/5/2023		33125	THOMAS AND ASSOCIATES	1 SUMP PUMP	\$1,096.00	\$1,096.00

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182895	1/5/2023	113	2212301	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$443.00	\$1,090.00
	1/5/2023	113	2211J03A		LAB SAMPLE ANALYSIS	\$35.00	
	1/5/2023	113	2212507		LAB SAMPLE ANALYSIS	\$24.00	
	1/5/2023	113	2212509		LAB SAMPLE ANALYSIS	\$48.00	
	1/5/2023	113	2212818		LAB SAMPLE ANALYSIS	\$432.00	
	1/5/2023	113	2212508		LAB SAMPLE ANALYSIS	\$108.00	
182956	1/12/2023	170	20223407	COMPACTOR MANAGEMENT COMPANY	TRASH COMPACTOR REPAIRS	\$1,087.01	\$1,087.01
182971	1/12/2023	113	5002739922	KELLY SERVICES INC	TEMP LABOR-HATO, N. WK ENDING 12/18/22	\$1,039.50	\$1,039.50
182862	1/5/2023		19183845	AT&T	SERV: 11/10/22 - 12/09/22	\$1,000.49	\$1,000.49
182893	1/5/2023	110	4903191222	KELLY SERVICES INC	TEMP LABOR-HATO, N. WK ENDING 12/11/22	\$940.50	\$940.50
182942	1/12/2023	136	2522516341	BANK OF NEW YORK	NOV 2022 SERVICE FEES	\$909.18	\$909.18
182936	1/12/2023		46405	APPLIED AIR FILTERS INC	200 FILTERS	\$900.35	\$900.35
182924	1/5/2023	122	2785927001	WHCI PLUMBING SUPPLY CO	ASTD PARTS & MATERIALS	\$213.33	\$876.44
	1/5/2023	122	2787779002		ASTD PARTS & MATERIALS	\$243.58	
	1/5/2023	122	2787779003		ASTD PARTS & MATERIALS	\$78.21	
	1/5/2023	122	2787779001		ASTD PARTS & MATERIALS	\$272.30	
	1/5/2023	122	2787941001		ASTD PARTS & MATERIALS	\$69.02	
182940	1/12/2023		7575074700	AT&T	SERV: 11/11/22 - 12/10/22	\$872.58	\$872.58
182993	1/12/2023	170	329573	TECHNICAL SAFETY SERVICES LLC	5 FUME HOOD CALIBRATIONS & 6 FUME HOOD TEST	\$859.00	\$859.00

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182941	1/12/2023	173	526168	AVERTIUM LLC	VULNERABILITY SCAN SUBSCRIPTION - DEC 2022	\$845.00	\$845.00
182890	1/5/2023	173	3993275	IDVILLE	3 ID CARD RIBONS AND WARRANTY	\$806.80	\$806.80
182938	1/12/2023		2591108813	ARAMARK	ASTD DUST MOPS, WET MOPS & TERRY	\$66.94	\$801.57
	1/12/2023		2591108864		UNIFORM LAUNDERING SERVICE	\$397.98	
	1/12/2023		2591108839		UNIFORM LAUNDERING & RUGS	\$336.65	
182860	1/5/2023		2591106959	ARAMARK	UNIFORM LAUNDERING SERVICE	\$393.17	\$729.56
	1/5/2023		2591106932		UNIFORM LAUNDERING & RUGS	\$336.39	
182985	1/12/2023	141	61250830	ROBERT HALF INTERNATIONAL INC	TEMP LABOR-PRASAD, J. WK ENDING 12/16/2022	\$628.54	\$628.54
182928	1/12/2023	170	9133277720	AIRGAS NCN	ASTD PARTS & MATERIALS	\$10.36	\$606.03
	1/12/2023	170	9133277721		ASTD PARTS & MATERIALS	\$27.60	
	1/12/2023	171	9133318056		ASTD PARTS & MATERIALS	\$568.07	
182876	1/5/2023	143	3647980	DAILY JOURNAL CORPORATION	AD: PLANT MISCELLANEOUS IMPROVEMENTS	\$602.50	\$602.50
182884	1/5/2023	122	1841098061	GOODYEAR COMM TIRE & SERV CTRS	4 TIRES	\$575.47	\$575.47
182899	1/5/2023		2400154873	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$88.99	\$574.28
	1/5/2023		2400155633		ASTD PARTS & MATERIALS	\$485.29	
182905	1/5/2023		35839	PARIKH CONSULTANTS INC	REFUND # 53043	\$500.00	\$500.00
182925	1/12/2023		35823	A2Z BAY BUILDERS & PLUMBING	REFUND # 49741	\$500.00	\$500.00
182927	1/12/2023		31587	ACTIVE PLUMBING & ROOTER	REFUND # 50863	\$500.00	\$500.00
182946	1/12/2023		37968	ANDREW BOLI	REFUND # 53057	\$500.00	\$500.00

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182992	1/12/2023		30346	MADHUSUDHANA SUNKARA	REFUND # 53058	\$500.00	\$500.00
182909	1/5/2023		178926	PREFERRED ALLIANCE INC	NOV 2022 SERVICE FEE	\$488.94	\$488.94
182882	1/5/2023	130	13337	GFOA-GOV FIN OFFICERS ASSOC	ACFR SUBMISSION FEE	\$460.00	\$460.00
182886	1/5/2023	170	3S2518	HARRINGTON INDUSTRIAL PLASTICS	1 FLOWMETER	\$455.36	\$455.36
182883	1/5/2023	144	4089231201	GLACIER ICE COMPANY INC	216 5-LB CUBE OF ICE	\$450.80	\$450.80
182960	1/12/2023	113	9133251	FISHER SCIENTIFIC	LAB SUPPLIES	\$429.45	\$429.45
182866	1/5/2023	130	17652660	BLAISDELL'S	1 TONER	\$210.40	\$397.70
	1/5/2023	122	17654790		ASTD OFFICE SUPPLIES	\$187.30	
182869	1/5/2023	173	6002503502	CANON SOLUTIONS AMERICA INC	MTHLY MAINTENANCE BASED ON USE	\$363.30	\$363.30
182953	1/12/2023	150	99347	CITYLEAF INC	PLANT MAINTENANCE - DEC 2022	\$361.65	\$361.65
183002	1/12/2023	170	19390	WESTERN MACHINE & FAB INC	1 PIPE FLANGE	\$315.00	\$315.00
182923	1/5/2023	113	8811580878	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$207.18	\$280.30
	1/5/2023	113	8811609905		LAB SUPPLIES	\$73.12	
182892	1/5/2023	173	6068499	INTRADO LIFE & SAFETY INC	E911 ANNUAL SUBSCRIPTION	\$250.00	\$250.00
182898	1/5/2023	170	8559874	MOTION & FLOW CONTROL PRODUCTS	ASTD PARTS & MATERIALS	\$207.26	\$207.26
182910	1/5/2023	121	103678	PRIME MECHANICAL SERVICE INC	SERVICE CALL: REPAIR HOT WATER VALVE BLDG 70	\$195.00	\$195.00
183004	1/12/2023		5519	ZELAYA DESIGNS	MISC ARTWORK - WINDOW ENVELOPES	\$190.00	\$190.00
182969	1/12/2023		768520221228	HOME DEPOT CREDIT SERVICES	MONTHLY HARDWARE STMT - DECEMBER 2022	\$182.54	\$182.54
182948	1/12/2023	144	56108	BRITECH ELECTROPOLISHING	CLEAN AND PASSIVATE ASTD PARTS	\$180.00	\$180.00

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12/31/2022-01/13/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
182945	1/12/2023	110	17680340	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$142.44	\$169.94
	1/12/2023	110	17680450		ASTD OFFICE SUPPLIES	\$27.50	
182864	1/5/2023	144	26211200	BECK'S SHOES	SAFETY SHOES: J. SOTO	\$151.80	\$151.80
182879	1/5/2023	111	20221222	AUSTIN FARSAI	EXP REIMB: SAFETY INSOLES	\$132.19	\$132.19
182874	1/5/2023	132	77634086	CONCENTRA MEDICAL CENTERS	1 DOT PHYSICAL & 1 LAB TEST	\$125.00	\$125.00
182880	1/5/2023	113	8947390	FISHER SCIENTIFIC	LAB SUPPLIES	\$122.78	\$122.78
182964	1/12/2023		9539243601	GRAINGER INC	ASTD PARTS & MATERIALS	\$112.74	\$112.74
182974	1/12/2023	113	2212A91	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$106.00	\$106.00
182887	1/5/2023	170	3S2816	HARRINGTON INDUSTRIAL PLASTICS	ASTD PARTS & MATERIALS	\$93.19	\$93.19
182988	1/12/2023	170	85340220221220	SAN FRANCISCO WATER DEPT	SERVICE 11/19/22 - 12/19/22	\$84.12	\$84.12
182967	1/12/2023		3S1758	HARRINGTON INDUSTRIAL PLASTICS	ASTD PARTS & MATERIALS	\$82.17	\$82.17
182930	1/12/2023	170	4088644120221229	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 12/21/22 - BOYCE ROAD	\$80.47	\$80.47
182998	1/12/2023	136	98XW53512	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 12/17/22	\$65.45	\$65.45
182921	1/5/2023	136	98XW53502	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 12/10/22	\$59.71	\$59.71
182996	1/12/2023	141	437205	ULTRAEX LLC	COURIER SVCS: 1 BOARDMEMBER DELIVERY - 12/07/22	\$56.97	\$56.97
182929	1/12/2023	141	1640	ALAMEDA COUNTY TREASURER	18 ASSESSOR MAPS	\$54.00	\$54.00
182958	1/12/2023	144	20220109	ALICIA DUTROW	EXP REIMB: TEACHER PRIZE, SCHOOL OUTREACH	\$50.00	\$50.00
182995	1/12/2023	132	20221219	RICHARD THOW	REIMB LIVESCAN PRE-EMPLOYMENT	\$38.00	\$38.00
182950	1/12/2023	132	623391	STATE OF CALIFORNIA	1 NEW HIRE FINGERPRINT	\$32.00	\$32.00

**UNION SANITARY DISTRICT
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12/31/2022-01/13/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
182912	1/5/2023	132	20221227	HERNAN RAMIREZ GUERRERO	REIMB LIVESCAN PRE-EMPLOYMENT	\$20.00	\$20.00

Invoices:

Credit Memos :	0	
\$0 - \$1,000 :	99	29,215.37
\$1,000 - \$10,000 :	107	330,454.47
\$10,000 - \$100,000 :	19	576,955.91
Over \$100,000 :	4	714,443.18
Total:	229	1,651,068.93

Checks:

\$0 - \$1,000 :	55	20,871.63
\$1,000 - \$10,000 :	67	217,137.73
\$10,000 - \$100,000 :	22	530,532.92
Over \$100,000 :	4	882,526.65
Total:	148	1,651,068.93

San Francisco isn't doing enough to stop supercharged floods

Why the city's antiquated sewers won't be saved by civic duty and Adopt-a-Drain — only major investments

Alex Shultz, SFGATE

Jan. 9, 2023 Updated: Jan. 9, 2023 10:59 a.m.



A storm drain in San Francisco.

San Francisco Chronicle via Getty Images

San Francisco's Adopt-a-Drain program, where residents volunteer to monitor and clean out a designated catch basin, has gotten lots of social media attention — and new sign-ups — during recent storms.

It's easy to see the appeal of this kind of civic action, especially when it comes with the right to give "your" storm drain cutesy names, like Lana Del Drain or Drainmond Green. The feel-good PR campaign obfuscates a grimmer reality, though. San Francisco's antiquated stormwater system is prone to flooding, particularly in low-lying areas, and specifically flooding that contains raw sewage. The problem will only get worse in the face of storms enhanced by climate change. Which makes Adopt-a-Drain the paper straw of flood management, a gesture that's as lovely as it is inadequate.

San Francisco's sewer system is nearly unique among California cities: It combines raw sewage and stormwater runoff into a single system. The San Francisco Public Utilities Commission, which operates the system, touts this as a greener option because most stormwater goes through sewage treatment facilities rather than being discharged directly into the bay. But it also leaves the city far more vulnerable to system-wide backups. When those bottlenecks happen, San Franciscans are confronted with flood waters that contain sewage overflow, which is as disgusting and harmful as it sounds. As one San Francisco resident succinctly described their neighborhood's stench after witnessing massive flooding in 2015: "Feces. It's feces."

A complete overhaul of the sewer system is essentially impossible, experts say, due to astronomical costs and disruptions to pedestrians and drivers. "Everything's underground, it would be a monumental task to separate the two," says James Muller, principal environmental planner at the San Francisco Estuary Project. "At this point, there's no changing that."

There are fixes that could make the city less flood-prone, though. Significant repairs and upgrades to the sewer system would keep water flowing even when there's a huge influx. And investments in strategies like rain gardens and other so-called "green infrastructure" could keep runoff from entering the sewers in the first place.

An antiquated system

San Francisco is one of the oldest cities on the West Coast, so it has an old-school sewage system. While around 700 communities nationwide (the majority in the Midwest) still have combined water management systems, most municipalities in the United States — including every other Bay Area city — have stormwater systems that drain straight into a waterway. That means if someone in Oakland illegally dumps a pollutant into a storm drain, it flows straight into the bay. It also makes it easier to prevent sewage overflow.

There are 25,000 catch basins in San Francisco. The utilities commission's operations crews deep clean somewhere between 5,000 and 9,000 of them annually. Roughly 4,400 catch basins have been “adopted,” although that doesn’t mean anywhere close to 4,400 are regularly cleaned by volunteers, says Gregory Pierce, co-director of UCLA’s Luskin Center for Innovation, which focuses on solving environmental challenges.

“It's great if neighborhoods and local communities can take additional ownership of unclogging issues,” Pierce says. “But in terms of the basic maintenance of the system, I do think that has to be centralized, both from an efficiency standpoint and a responsibility standpoint. Because the voluntary adoption, when the follow-through isn't there, who's responsible?”

Even accounting for the “adoptions,” there’s still an enormous gap — tens of thousands of catch basins — that aren’t being examined or cleaned on a regular basis. When asked about the disparity, utilities commission spokesperson Joseph Sweiss told SFGATE that many of the untended catch basins don’t require regular check-ups. Instead, cleaning crews focus their attention on priority areas and 311 complaints about clogging.

Sweiss blamed the New Year's Eve flooding on catastrophic weather, not the sewer system's performance or design. “Our catch basins work the way they were designed to,” Sweiss wrote. “The historic storm we witnessed on New Year’s Eve was far greater than the capacity of any urban stormwater system. No sewer system, including San Francisco’s, can reasonably be designed to manage that size of storm.”

Frustrated communities

Here's the conundrum: There are no more storms of the century. One-offs are the norm. Climate change means the frequency of rainfall will lessen, but when it *does* storm, it’ll be far more intense.

Sewage overflow was already wreaking havoc on low-lying neighborhoods in San Francisco, even before fully accounting for the effects of climate change. For decades, neighborhood advocates have warned that the city of San Francisco, and specifically the utilities commission, aren't responsive enough to sewage overflow and flash flooding issues.

Projects intended to improve the city’s sewage system in low-lying areas have been proposed and discarded as far back as the ‘60s, as KQED reported last year. In recent decades, the utilities commission developed sewage system

improvement plans — some of which petered out — that inexplicably didn't include some of the city's hardest-hit neighborhoods.

"The Public Utilities Commission has given us the runaround time and time again, it took the state to step in to solve an issue that has been ongoing for decades," Lisa Dunseth, an advocate for the organization Solutions Not Sandbags, told KQED last year.

Dunseth is referring to a 2021 order from the San Francisco Regional Water Quality Control Board. That year, the utilities commission was told by the quality control board (a state agency) to spend \$632 million to deal with sewage overflow in low-lying areas Lower Alemany, West Portal and the Mission. The upgrades include diverting sewage flow to new sewage pipes and building tens of thousands of linear feet of new sewer boxes.

The money for the upgrades is spread out over a full decade, through 2032, meaning little short- or medium-term relief for neighborhoods that are in desperate need of assistance right now. On its own, even that seemingly large investment won't be enough to stop low-lying areas from flooding in super-charged storms.

The benefits of green infrastructure

Multiple experts told SFGATE that the realities of climate change means San Francisco can't just repair the current system. The city also must invest in green infrastructure, meaning natural solutions to stormwater and pollution runoff.

To date, the utilities commission has spent \$64 million on "green infrastructure," including grants to fund the construction of permeable pavement and rain gardens, which collect and soak up rainwater. Sweiss wrote to SFGATE that the utilities commission views green infrastructure as "an additional, complementary measure for flooding mitigation in that it decreases the volume of stormwater directed to the system. Its purpose is part of a robust suite of tools to support our City's system that alone cannot serve as a single solution to storm response."

Sweiss is right that green infrastructure on its own isn't enough to stave off climate change. "If we implemented all the green infrastructure we could possibly implement in the city, I just don't know that it would be sufficient for the types of storm events we're anticipating," Muller, the Estuary Project expert, says. "Having a silver bullet for any issue is kind of foolhardy."

Still, both Muller and Pierce agree that adding absorbent features to the cityscape could play a huge role in mitigating flooding. “Reducing paved area is the biggest factor we need to take into account that we haven’t historically,” according to UCLA’s Pierce.

Here, too, the utilities commission is relying heavily on volunteer labor, including a website that solicits civilians to act as unpaid “rain guardians,” helping care for the city’s rain gardens in between the city’s quarterly check-ups.

Even without many resources or a big budget, green infrastructure is already making a tangible difference. One such project, a green gateway on Mission and Valencia, reduced the volume of stormwater entering the sewer system in that area by 86% in 2017-18, the utilities commission reported. Another project, a greenway on Sunset Blvd., was estimated to have reduced the volume of stormwater entering the area’s sewer system by 95% in 2016-17.

Lack of funding – and interest

A true tandem plan requires major sewage renovations like the one underway, just on a much faster timeline, plus a deeper investment in green infrastructure. Which brings up the other enormous problem: All of this management costs lots of money, certainly more than the city has invested. How much more?

In 2017, a former project manager for the utilities commission, Stefani Harrison, told the San Francisco Examiner it would cost \$15 billion in sewer fixes and other upgrades to truly defend the city against huge storms.

Coming up with an exact number is difficult. “There’s not really a good idea for what the costs are for replacing everything throughout California, or any particular city,” says Maureen Kerner, a research engineer for Sacramento State’s Office of Water Programs. “Some cities are way ahead of others.”

In 2020, Kerner contributed to a research paper called “Estimating Benefits and Costs of Stormwater Management.” The paper’s conclusion was basically a shrug emoji. There’s nothing even close to standardized public data and reporting on stormwater management budgets and expenditures, making them extremely difficult to track or compare.

Part of the problem, Pierce believes, is that because flooding is a relatively rare occurrence, the public’s interest waxes and wanes, which makes it difficult to obtain sufficient funding from relevant agencies. “It’s hard for the public to grasp

that, and hard for decision-makers to invest in that, when it's not an everyday concern," he says.

A civic duty, or something else?

The utilities commission has regularly acknowledged how all-consuming climate change is, and the strain it puts on San Francisco's sewage system. Sweiss noted "the ever-growing intensity and frequency of historic storms due to climate change" in an email to SFGATE, and Dennis Herrera, general manager of the utilities commission, discussed the growing threat at a recent press conference about flooding.

Despite the existential threat, the utilities commission continues to focus much of its public messaging on the importance of individual action, rather than fast-tracking major infrastructure projects. Sweiss told SFGATE that climate change "requires everyone to do their part," suggesting that residents sign up for Adopt-a-Drain and apply for grants to help pay for "improvements on their property that help protect against flooding during heavy rainstorms." At the press conference on flooding, Herrera brought up the \$632 million project the city was ordered to undergo — which isn't yet helping anyone — and mentioned the city's infancy-stages green infrastructure program, before returning to the same volunteer-based framing. "We need to go out and spread the word about the good work our community partners are doing," he said of Adopt-a-Drain volunteers. Later on, he recommended that people sign up for flood insurance to help mitigate potential damage to their homes and businesses.

The truth is, "rain guardians" and "Drain Daddies" are band-aids on a leaking dam. It's up to our local government to take far bolder action to protect its citizens now, before it's too late — not push convenient distractions, like naming drains.

As Pierce put it, "When it comes to those extreme events that we're already now facing, there needs to be a whole new model."

Millions of Gallons of Wastewater, Sewage Discharge Reported Across Bay Area

Story by Candice Nguyen and Mark Villarreal • January 10, 2023



As several storms whip through the Bay Area, officials across the region are warning people to stay out of the waters if possible.

“You may think it’s just diluted rainwater, but it’s much more than that,” said Andrew Pook, spokesperson for East Bay Municipal Utility District.

Across the Bay Area nine counties, 22 million gallons of unauthorized wastewater or raw sewage discharge were reported to the Water Board of SF Bay Region. And that's just a preliminary report, they say.

Ninety incidents were reported around the Bay Area between December 30, 2022 and January 3, 2023, according to Executive Officer Eileen White. Those reports totaled 14 million gallons. Then for the January 4 – January 5, 2023 storm, another 30 incidents were reported, she said, involving eight million gallons of wastewater or raw sewage discharge.

“We should expect more with these atmospheric rivers,” said White. “This is not surprising. Our systems were built decades ago before our understanding of climate change. However, more money is being spent to address this and update our systems.”

To illustrate how overwhelmed public systems can get in these storms, Pook said on average East Bay MUD handles 50 million gallons of wastewater a day. On New Year’s Eve, the agency handled 650 million gallons of wastewater.

Storms send sewage pouring into streets, creeks, San Francisco Bay and Pacific Ocean

State records: Storms release millions of gallons of waste mixed with rainwater



A vehicle drives through a flooded area near the Martinez Refinery in Martinez, Calif., on Friday, Jan. 13, 2023. On Jan. 4, the Martinez Refinery Company reported releasing more than six million gallons of storm and wastewater into the Carquinez Strait estuary to avoid damage to the refinery. The refinery is one of dozens of minor incidents caused by open manhole covers, broken pipes, and overwhelmed treatment facilities that discharge millions of gallons of sewage into the San Francisco Bay region. (Jose Carlos Fajardo/Bay Area News Group)

By **LISA M. KRIEGER** | lkrieger@bayareanewsgroup.com | Bay Area News Group

PUBLISHED: January 15, 2023 at 6:15 a.m. | UPDATED: January 15, 2023 at 3:28 p.m.

January's storms are offering an unsettling glimpse into one of the Bay Area's dirtiest environmental secrets: Heavy rain overwhelms our region's vast plumbing system and flushes wastewater into places where it doesn't belong.

Downpours triggered the release of millions of gallons of raw sewage mixed with rainwater across the region in just two weeks, spilling contaminated water into dozens of rivers, creeks and ultimately into the ocean and San Francisco Bay, according to [a Bay Area News Group analysis of 88 reports](#) to the state's Office of Emergency Services.



When sewage flows into homes and businesses, expensive remediation and decontamination is needed to make them safe again. Overflows also may have dangerous consequences for the environment, because human waste, pharmaceuticals, shampoos and other harmful products are flushed down drains and toilets.

In one incident, the Martinez Refinery Company reported releasing more than six million gallons of storm and wastewater into the Carquinez Strait estuary, which drains into the San Francisco Bay, on Jan. 4, according to state records. The discharge of partially treated “process water” and storm water was necessary to avoid damage to the refinery, the company reported.

Dozens of other smaller incidents were caused by open manhole covers, broken pipes and overwhelmed treatment facilities, from Corte Madera to Woodside and Half Moon Bay to Pleasanton.

State records show that between Dec. 31 and Jan. 3, a total of more than 14 million gallons of sewage were discharged in the San Francisco Bay region, enough to fill 21 Olympic-sized swimming pools, according to White. The Jan. 4 storm triggered the release of another 8 million gallons, or 12 Olympic-sized swimming pools.

More recent releases are still being tallied. Experts say the total volume is likely to be much larger than current estimates because the chaotic circumstances surrounding these emergency flooding situations mean it's nearly impossible to accurately evaluate the true scale and impact of sewage contamination.

Like bridges or skyscrapers designed to bear certain weights, stormwater management systems are designed within the limits of weather — and can't handle the intensity of storms that might happen only every decade or two.

In dry times, waste from homes and businesses is whisked immediately away to wastewater-treatment plants, never to be seen, smelled or considered again.

But two weeks of near-constant storms have stressed the system, as heavy rainfall and flooding infiltrate sewer pipes.

“We saw 13 times our average wastewater flows,” said Andrea Pook of East Bay Municipal Utilities District.

Most of the releases were caused when storm water backs up into the streets, flowing up through drains or manhole covers forced open by the overwhelming volume of high-pressure torrents, the reports show.

In Redwood City, a manhole overflow sent polluted water into Borel Creek at a rate of 150 gallons per minute. In San Mateo, 100 to 150 gallons per minute flowed into a storm drain that empties into Polhemus Creek. About 50 gallons a minute were dumped into Sonoma Creek. In Oakland, the overflow of three manholes spilled 25,000 gallons into Lake Merritt.

When a sewage lift station in Daly City overflowed because of stormwater, 35,950 gallons of waste were released into the Pacific Ocean. The rupture of a main treatment line in Moss Beach also caused a spill into the ocean. In Pacifica, an overflowing pump station caused 20,000 gallons to be discharged at Linda Mar Beach. About 34,000 gallons were released in Menlo Park's Belle Haven neighborhood when a West Bay Sanitary treatment plant couldn't keep up with the flow.

In Richmond, the West County Wastewater facility pumped sewage directly into the San Francisco Bay, according to a Jan. 11 report. “It is unknown how long the releasing will be going for,” it said.

Three discharges into Oakland's San Leandro Creek, Barnhill Marina and an estuary at the foot of Alice Street originated from the East Bay Municipal Utility District's “overflow structures,” which are designed to discharge water in high-flow conditions.

Farther south, a sewage treatment plant was flooded Friday when the Salinas River rushed over the banks of a levee. Percolation ponds in the city of Templeton also were flooded, sending 300,000 gallons into the river.



Cal Fire Caption Curtis Rhodes, walks past a home flooded by the Salinas River on Chualar Road near Chualar, Calif., on Thursday, Jan. 12, 2023. Like many overwhelmed treatment facilities, a sewage treatment plant in Monterey County was flooded on Friday when the Salinas River rushed over the banks of a levee. (Doug Duran/Bay Area News Group)

Mother Nature is wreaking additional chaos. In Oakland, a tree fell on the sewer line, causing 5,100 gallons of sewage to be released into Sausal Creek. In Crockett, a hillside eroded and collapsed — causing a pipe to break and release 2,700 gallons. When debris blocked a sewer conduit, about 10,000 gallons overflowed into a drain that leads to Oakland's Lake Temescal.

Records show that a single day — Dec. 31, New Year's Eve — was responsible for the largest number of reports to the California Governor's Office of Emergency Services, with 51 discharges in different Bay Area cities.

On that morning alone, there were 15 sewage discharges in 12 cities: Hillsborough, Woodside, San Bruno, Daly City, Pacifica, Burlingame, Half Moon Bay, San Lorenzo, Richmond, Piedmont, Oakland and Daly City. By midnight, there were an additional 36 discharges in 25 cities: Alameda, Oakland, San Mateo, Richmond, Pacifica, Martinez, El Granada, Montara, Pittsburg, Corte Madera, San Francisco, Antioch, Redwood City, Dublin, San Leandro, Albany, Berkeley, Woodside, Vallejo, Menlo Park, Benicia, Sausalito, Pleasanton, Foster City and Hayward.

The problem isn't new, said Sejal Choksi-Chugh, executive director of San Francisco Baykeeper, a nonprofit focused on the health of the San Francisco Bay. But the constant rain has exacerbated the issue.

"Over the years, and typically every time it rains, we see sewage spills in the streets and wastewater overflows," she said. "But the back-to-back-to-back-to-back major storm events is causing a continuous discharge. That's what is new."

With continued population growth, the demands on our sewer systems have increased, say experts. Meanwhile, more development leads to more asphalt and cement, so the bulk of the rainfall ends up in our sewer systems. And our wastewater pipes, often made of clay, are aging, so water infiltrates through cracks and gaps.

The rate at which the urban Bay Area is adapting to these threats is lagging behind the speed at which rain is drowning it, said Choksi-Chugh. Cities need to invest in replacing pipes and upgrading wastewater treatment systems to increase storage capacity and install more recycling technologies, she said. Cities also could incentivize homeowners to replace old pipes through grants or low-interest loans.

In the absence of major improvements to our sewer infrastructure, these dangerous overflows will increase [as climate change leads to more extreme weather](#), say experts.

"Our old infrastructure is just not going to be up to snuff," Choksi-Chugh said. "It's not going to be able to handle these larger storm events, year upon year. So we really need to be thinking about the future."



BLOG POST · JANUARY 17, 2023

Can We Capture More Water in the Delta?

Sarah Bardeen

A massive amount of water is moving through the [Sacramento–San Joaquin Delta](#) in the wake of recent storms, and calls have risen from all quarters to capture more of this bounty while it's here. We spoke with PPIC Water Policy Center adjunct fellow [Greg Gartrell](#) to understand what's preventing that—and to dispel the myth of “water wasted to the sea.”

Your recent [policy brief](#) said that California doesn't do a good enough job of managing water supply in the Sacramento–San Joaquin Delta in wet years. Are we likely to see some of the effects that you highlighted this year?

Yes. [The brief](#) focused on where we could have improved water management during California's last three really wet years, which were 2011, 2017, and 2019. All three years had periods when the San Joaquin River was flooding, protections for salmon and steelhead were suspended, and the two water projects—Central Valley Project and State Water Project—could pump without restrictions. But the major reservoir south of the Delta—San Luis—was full, and there was simply no place to put the additional water.

We could see that again this year, though a couple of things make that less likely. Reservoirs further south, like Castaic and Diamond Valley in Southern California, are low and will be able to take some water, and some areas in the San Joaquin Valley now have capacity to put more water in the ground.

People complain that we're wasting water to the ocean. While it's true that there are pumping restrictions right now to protect fish, the maximum the projects could be pumping is about 14,000 cubic feet per second (cfs), not quite double what they're currently pumping (8,000 cfs on Jan 12). With current outflows at about 150,000 cfs, we'd still see 144,000 cfs flowing to the ocean if they were pumping without restrictions. There's a limit to how much the aqueducts can carry, and there's a limit to where water can go south of the Delta. In other words, most of this water is not just uncaptured—it's uncapturable. And it's not actually wasted: it's [freshening San Francisco Bay](#), which benefits from these kinds of flows.

It's always been this way when it rains hard. Upstream reservoirs are capturing every drop they can right now. Only Folsom is releasing a lot of water to prevent a disastrous flood in Sacramento; in the San Joaquin Valley, the same is true for Millerton reservoir, to reduce flood risk in downstream communities like Manteca. Unfortunately, some of the water released to protect Manteca could have gone to groundwater recharge, but the southern part of the Friant-Kern Canal is out of service as it [undergoes repairs](#) for subsidence caused by overdrafted groundwater.

There are restrictions on pumping in the Delta right now, even though large flows are coming down the Sacramento River. Why is that?

The export pumps in the Delta are currently pumping at about half of their capacity to reduce harm to species of fish protected by state and federal Endangered Species



Acts. For several days after Christmas, pumping was restricted to give time for fish to adjust to changes in inflow and to move away from harm at the pumps. And on January 3rd, regulations kicked in that restrict pumping when turbid water gets near the pumps. Protected Delta fishes make use of this turbid water as habitat, placing them at risk.

These latest restrictions are limiting the amount of water exported from the Delta: roughly 84,000 acre-feet less will be exported over 14 days (roughly enough water to irrigate 25,000 acres of farmland for a year, or to supply 150,000 homes). However, if inflows to the Delta remain high—which looks likely—these restrictions may just delay filling San Luis Reservoir by a few weeks. If San Luis Reservoir fills to its 2 million acre-foot capacity, and we again have no place to put additional water, the ultimate water supply cost of these regulations will be low. Also, don't forget that snowpack—our largest reservoir—is piling up, and upstream surface reservoirs are filling.

In your report, you recommended some changes. What do we need to do?

Especially in the San Joaquin Valley, we need investments to put water in the ground—our largest reservoir for long-term storage (snowpack is short-term)—when it's raining. That's the cheapest and easiest thing to do. Everything else—including projects like the proposed Delta tunnel and Sites Reservoir—is pretty darned expensive and will take a lot of time.

In the near term, we should prioritize the fast, easy, and cheap options—the ones that involve no need to change regulations and no big new infrastructure. In past wet years, it would have been possible to pump an additional 400,000–800,000 acre-feet in the Delta, within current regulations, if we had places to put it. The logical place to put this water is in our depleted groundwater basins.

In our study, we also recommend taking a hard look at regulations that govern protections for fish in the Delta. Some of the rules are tied to water-year type and are fairly rigid, not adapting to the range of hydrology in a single year. We need to revisit the biological basis for the numerous, overlapping restrictions to be both more protective of the Delta environment and more efficient in pumping. And we need to be more nimble, able to adjust pumping restrictions based on real-time hydrology and biological conditions.

Finally, what the Delta really needs is better cooperation between agencies. Agencies like to keep their independence. That can lead to uncoordinated regulations, sometimes with unanticipated impacts on water supply operations. We need a modern version of the 1994 Delta Accord—a durable cooperative agreement between state and federal agencies that does not change every time there's a change in governor or president. That is likely to help with managing the Delta as much as any new storage effort.