



**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

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

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

**Monday, January 22, 2024  
Regular Meeting - 4:00 P.M.**

Karen W. Murphy  
*Attorney*

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

- |             |     |  |
|-------------|-----|--|
|             | 1.  | Call to Order.   |
|             | 2.  | Salute to the Flag.  |
|             | 3.  | Roll Call.   |
| Motion      | 4.  | Approve Minutes of the Union Sanitary District Board Meeting of January 8, 2024.   |
| Information | 5.  | December 2023 Monthly Operations Report <i>(to be reviewed by the Budget &amp; Finance and Legal/Community Affairs Committees)</i> .   |
|             | 6.  | Written Communications.  |
|             | 7.  | Public Comment.<br>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.  | Authorize the General Manager to Execute a Contract Change Order with W. M. Lyles Co. for Temporary Power Provisions for the New Campus Building for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .                            |
| Motion      | 9.  | Authorize the General Manager to Execute a Contract Change Order with W. M. Lyles Co. for Existing Pipeline Repairs for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .   |
| Motion      | 10. | Consider a Resolution to Accept the Construction of the East Warren Avenue Sanitary Sewer Replacement Project from McGuire and Hester <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .  |
| Information | 11. | Board Expenses for the Second Quarter of Fiscal Year 2024 <i>(to be reviewed by the Budget &amp; Finance Committee)</i> .  |

- Information 12. CAL-Card Fiscal Year 2024 Second Quarter Activity Report *(to be reviewed by the Budget & Finance Committee)*.
- 
- Information 13. Check Register.
- 
- Information 14. Committee Meeting Reports. *(No Board action is taken at Committee meetings)*:
- a. Budget & Finance Committee – Thursday, January 18, 2024, at 1:30 p.m.
    - Director Handley and Director Kite
  - b. Engineering and Information Technology Committee – Friday, January 19, 2024, at 11:00 a.m.
    - Director Handley and Director Toy
  - c. Legal/Community Affairs Committee – Friday, January 19, 2024, at 12:00 p.m.
    - Director Kite and Director Lathi
  - d. Legislative Committee – will not meet.
  - e. Personnel Committee – will not meet.
- 
- Information 15. General Manager’s Report *(Information on recent issues of interest to the Board)*.
- 
16. Other Business:
- a. Comments and questions. *Directors can share information relating to District business and are welcome to request information from staff.*
  - b. Scheduling matters for future consideration.
- 
17. Adjournment – The Board will adjourn to a Special Board Meeting to be held in the Boardroom on Tuesday, February 6, 2024, at 4:00 p.m.
- 
18. Adjournment – The Board will adjourn to the next Regular Board Meeting to be held in the Boardroom on Monday, February 12, 2024, 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.



**USD** TREAT  
PROTECT  
PRESERVE  
est. 1918  
**TRI-CITY WASTEWATER**

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

**BUDGET & FINANCE COMMITTEE MEETING**  
Committee Members: Director Kite and Director Handley

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

**AGENDA**  
**Thursday, January 18, 2024**  
**1:30 P.M.**

Karen W. Murphy  
*Attorney*

**Alvarado Conference Room**  
**5072 Benson Road**  
**Union City, CA 94587**

**THIS MEETING WILL BE TELECONFERENCED FROM STIRLING COURT NEAREST LAKE BOULEVARD, NEWARK, CALIFORNIA.**

**THE TELECONFERENCE LOCATION SHALL BE ACCESSIBLE TO THE PUBLIC.**

1. Call to Order

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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.

- Alvarado Conference Room
  - Teleconference Location
- 

4. Items to be reviewed for the Regular Board meeting of January 22, 2024:

- December 2023 Monthly Operations Report – Financial Reports
  - Board Expenses for the Second Quarter of Fiscal Year 2024
  - CAL-Card Fiscal Year 2024 Second Quarter Activity Report
- 

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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**REVISED**



**USD** TREAT  
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**TRI-CITY WASTEWATER**

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

**AGENDA**  
**Friday, January 19, 2024**  
**11:00 A.M.**

**Alvarado Conference Room**  
**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*

**THIS MEETING WILL BE TELECONFERENCED FROM 4834 RICHMOND AVENUE, FREMONT, CALIFORNIA.**

**THE TELECONFERENCE LOCATION SHALL BE ACCESSIBLE TO THE PUBLIC.**

1. Call to Order

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2. Roll Call

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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.
  - Alvarado Conference Room
  - Teleconference Location

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4. Items to be reviewed for the Regular Board meeting of January 22, 2024:
  - Authorize the General Manager to Execute a Contract Change Order with W. M. Lyles Co. for Temporary Power Provisions for the New Campus Building for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project
  - Authorize the General Manager to Execute a Contract Change Order with W. M. Lyles Co. for Existing Pipeline Repairs for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project
  - ~~Consider a Resolution Declaring an Emergency and Authorizing the Emergency Expenditure of Funds for Repairing a Sinkhole on Cushing Parkway in the City of Fremont~~
  - Consider a Resolution to Accept the Construction of the East Warren Avenue Sanitary Sewer Replacement Project from McGuire and Hester

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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.



**USD** TREAT  
PROTECT  
PRESERVE  
est.1918  
**TRI-CITY WASTEWATER**

**REVISED**

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
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 19, 2024**

~~11:30 A.M.~~ 12:00 P.M.

Karen W. Murphy  
*Attorney*

**Alvarado Conference Room  
5072 Benson Road  
Union City, CA 94587**

**THIS MEETING WILL BE TELECONFERENCED FROM THE FOLLOWING LOCATIONS:  
STIRLING COURT NEAREST LAKE BOULEVARD, NEWARK, CALIFORNIA; THE GUEST  
PARKING AREA LOCATED ON OCASO CAMINO, WEST OF AND CLOSEST TO THE  
INTERSECTION OF PASEO PADRE PARKWAY IN FREMONT, CALIFORNIA.**

**THE TELECONFERENCE LOCATIONS SHALL BE ACCESSIBLE TO THE PUBLIC.**

1. Call to Order

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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.
  - Alvarado Conference Room
  - Teleconference Locations

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4. Items to be reviewed for the Regular Board meeting of January 22, 2024:
  - December 2023 Monthly Operations Report – Odor and Work Group Reports

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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 8, 2024**

**CALL TO ORDER**

Vice President Toy called the meeting to order at 4:00 p.m.

**SALUTE TO THE FLAG**

Vice President Toy led the salute to the flag.

**ROLL CALL**

PRESENT: Jennifer Toy, Vice President  
Tom Handley, Secretary  
Anjali Lathi, Director

ABSENT: Manny Fernandez, President  
Pat Kite, Director

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  
Robert Simonich, Fabrication, Maintenance, and Construction Manager  
Alisa Gordon, Human Resources Manager  
Gus Carrillo, Enhanced Treatment and Site Upgrade Assistant Program Manager  
Mitchell Costello, Treatment and Disposal Services Coach  
Ed Tatola, Fabrication, Maintenance, and Construction Coach  
Trieu Nguyen, IT Administrator  
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

**APPROVE MINUTES OF THE UNION SANITARY DISTRICT SPECIAL BOARD  
MEETING OF DECEMBER 5, 2023**

It was moved by Director Lathi, seconded by Secretary Handley, to Approve the Minutes of the Special Board Meeting of December 5, 2023. Motion carried with the following vote:

AYES: Handley, Lathi, Toy  
NOES: None  
ABSTAIN: None

ABSENT: Fernandez, Kite

**APPROVE MINUTES OF THE UNION SANITARY DISTRICT BOARD MEETING OF DECEMBER 11, 2023**

It was moved by Director Lathi, seconded by Secretary Handley, to Approve the Minutes of the Board Meeting of December 11, 2023. Motion carried with the following vote:

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

**APPROVE MINUTES OF THE UNION SANITARY DISTRICT SPECIAL BOARD MEETING OF DECEMBER 18, 2023**

It was moved by Secretary Handley, seconded by Director Lathi, to Approve the Minutes of the Special Board Meeting of December 18, 2023. Motion carried with the following vote:

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

**NOVEMBER 2023 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.

**WRITTEN COMMUNICATIONS**

There were no written communications.

**PUBLIC COMMENT**

There was no public comment.

**REVIEW AND CONSIDER APPROVAL OF THE ASSISTANT PROCESS ENGINEER AND ASSOCIATE PROCESS ENGINEER POSITION DESCRIPTIONS AND SALARY RANGES**

Human Resources Manager Gordon stated following the departure of the previous Senior Process Engineer, the District reviewed the classification and identified growth pathways for the Process Engineer series. The District previously created the Senior Process Engineer classification but did not develop the classification as part of a series to include the Assistant and Associate level classifications. The addition of the Assistant and Associate levels to the Process Engineer series will allow for the learning and

development of incumbents at lower levels. Staff recommended the Board consider and approve the Assistant Process Engineer and Associate Process Engineer position descriptions and salary ranges.

It was moved by Director Lathi, seconded by Secretary Handley, to Approve the Assistant Process Engineer and Associate Process Engineer Position Descriptions and Salary Ranges. Motion carried with the following vote:

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

**CONSIDER A RESOLUTION TO ACCEPT THE CONSTRUCTION OF THE IRVINGTON BASIN REINFORCED CONCRETE PIPE REHABILITATION PROJECT FROM INSITUFORM TECHNOLOGIES, LLC**

This item was reviewed by the Engineering and Information Technology Committee. Technical Services Manager Chau stated the Board awarded the construction contract for the Irvington Basin Reinforced Concrete Pipe Rehabilitation Project to Insituform on February 14, 2022, and the Project was substantially completed February 10, 2023. Staff awaited receipt of all outstanding administrative items and completion of punchlist/remediation work required by the City of Fremont before recommending project acceptance by the Board. Staff recommended the Board consider a resolution to accept the construction of the Irvington Basin Reinforced Concrete Pipe Rehabilitation Project from Insituform Technologies, LLC.

It was moved by Secretary Handley, seconded by Director Lathi, to Adopt Resolution No. 3005 to Accept Construction of the Irvington Basin Reinforced Concrete Pipe Rehabilitation Project Located in the City of Fremont, California from Insituform Technologies, LLC. Motion carried with the following vote:

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

**INFORMATION ITEMS:**

**Check Register**

There were no questions regarding the check register.

**COMMITTEE MEETING REPORTS:**

The Engineering and Information Technology and Budget & Finance Committees met. The Legal/Community Affairs Committee was changed to a briefing.

**GENERAL MANAGER'S REPORT:**

- General Manager Eldredge provided a COVID update.



- General Manager Eldredge introduced recently promoted Fabrication, Maintenance, and Construction Coach Ed Tatola.
- General Manager Eldredge stated discounted rooms for the California Association of Sanitation Agencies (CASA) Winter Conference were sold out and staff were not planning to attend.
- The District's Bay Area Air Quality Management District (BAAQMD) grant application for electric vehicle chargers and supporting infrastructure was successful.
- Collection Services Manager Rodrigues provided an update regarding a spill in the City of Fremont.

**OTHER BUSINESS:**

There was no other business.

**ADJOURNMENT:**

The meeting was adjourned at 4:22 p.m. to the next Regular Meeting to be held in the Boardroom on Monday, January 22, 2024, at 4:00 p.m.

SUBMITTED:

ATTEST:

\_\_\_\_\_  
REGINA McEVOY  
BOARD CLERK

\_\_\_\_\_  
TOM HANDLEY  
SECRETARY

APPROVED:

\_\_\_\_\_  
MANNY FERNANDEZ  
PRESIDENT

Adopted this 22<sup>nd</sup> day of January 2024



# Union Sanitary District

## Monthly Operations Report December 2023



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## 2023 MONTHLY OPERATIONS REPORT

The October 2023 Monthly Operations Reports highlights the District's performance in the following areas:

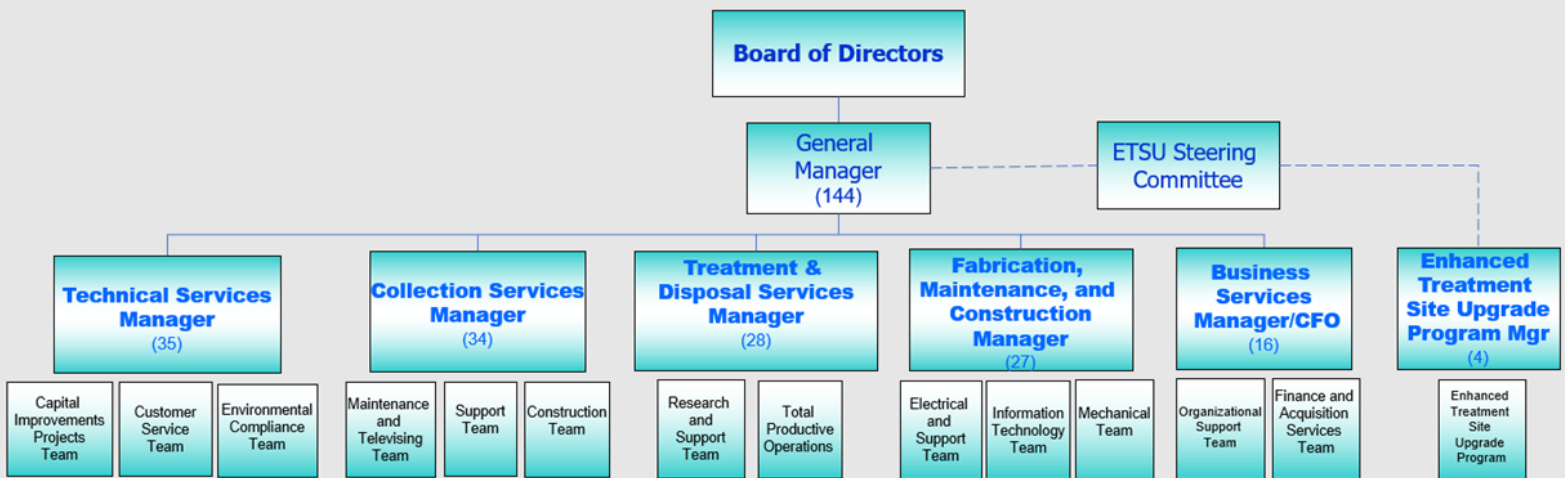
- **Organizational Overview**
- **Financial Reports**
  - Budget and Finance Report
  - Investment Portfolio
  - Portfolio Holdings by Asset Class and by Maturity Range
- **Customer Relations**
  - Odor Investigations and Response
  - Service Request and Response
  - Communication and Outreach
- **Plant 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

## 2023 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

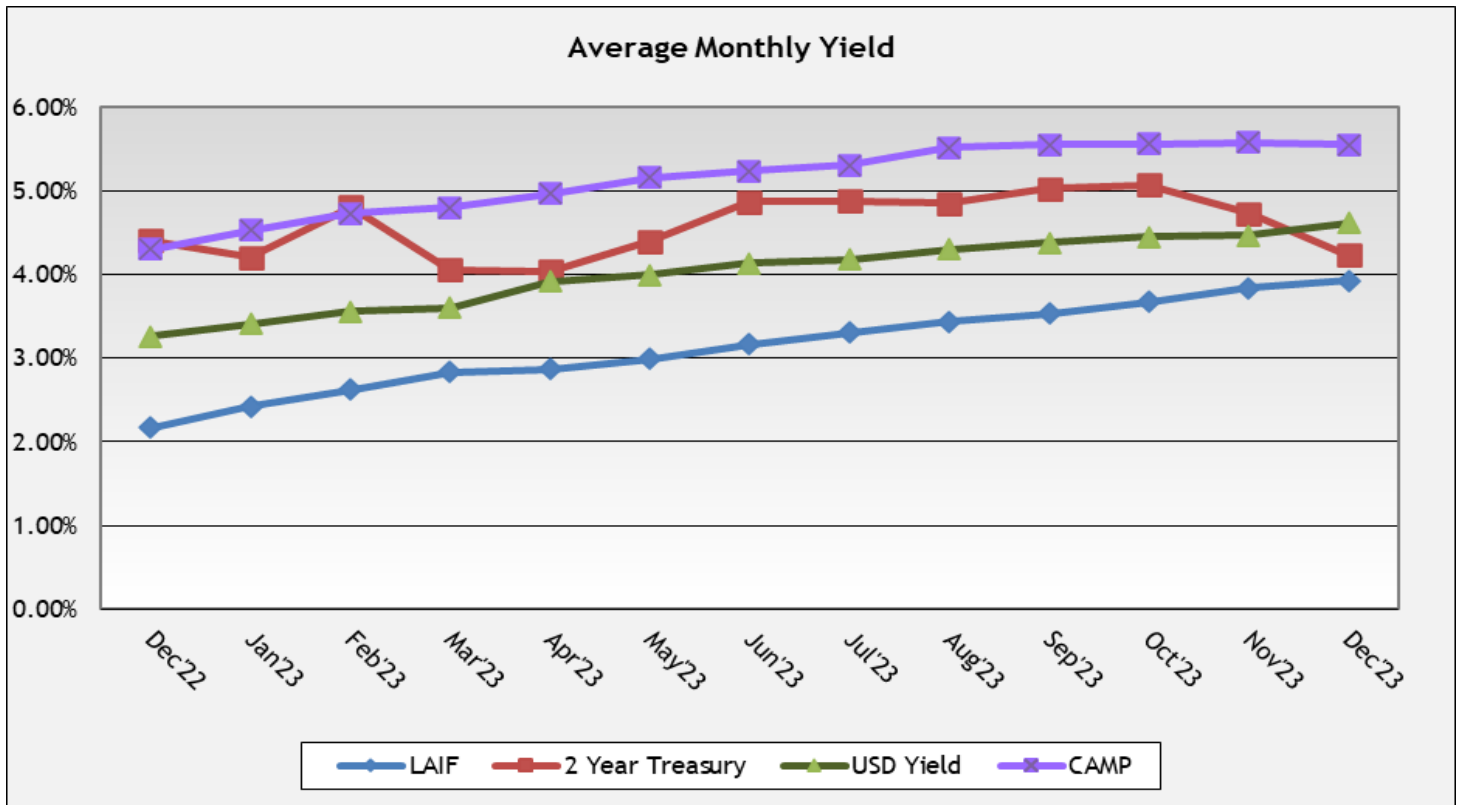
# 2023 MONTHLY OPERATIONS REPORT

## Total Revenues and Expenditures

FY 2024	Year-to-date as of 12/31/2023		50% of year elapsed	Audited Last Year Actuals 6/30/23
<b>Revenues</b>				
	<b>Budget</b>	<b>Actual</b>	<b>% of Budget Rec'd</b>	
Capacity Fees	\$ 8,420,000	\$ 1,487,383	18%	\$ 7,371,192
Sewer Service Charges	84,200,000	42,349,416	50%	77,986,322
Operating (Includes work groups and fund 85)	1,353,500	604,606	45%	1,372,027
Interest	3,850,000	4,520,219	117%	5,736,464
Misc. (Annex fees, forfeited deposits)	11,276	2,345	21%	654,626
<b>Subtotal Revenues</b>	<b>\$ 97,834,776</b>	<b>\$ 48,963,969</b>	<b>50%</b>	<b>\$ 93,120,631</b>
SRF Funds Draw Down (Standby Power)	12,296,700	14,713,289	120%	-
<b>Total Revenues + Bond Proceeds</b>	<b>\$ 110,131,476</b>	<b>\$ 63,677,258</b>	<b>58%</b>	<b>\$ 93,120,631</b>
<b>Expenses</b>				
	<b>Budget</b>	<b>Actual</b>	<b>% of Budget Used</b>	<b>Audited Last Year Actuals 6/30/23</b>
Capital Improvement Program:				
Capacity Proj.	\$ 13,948,200	\$ 8,788,342	63%	\$ 10,249,515
Renewal & Repl. Proj.	70,605,900	28,165,700	40%	56,652,197
Operating (includes fund 85)	55,246,877	25,255,668	46%	49,798,555
Special Projects	4,154,384	201,755	5%	855,302
Retiree Medical (ADC)	1,475,000	268,120	18%	404,259
115 Pension Trust	6,400,000	-	0%	-
Vehicle & Equipment	187,300	72,135	39%	176,662
Information Systems	1,199,800	533,740	44%	542,449
Plant & Pump Stat. R&R	400,000	256,201	64%	308,301
Emerg. Fund	-	-	0%	-
Cty Fee for SSC Admin.	124,000	56,612	46%	112,512
Debt Servicing:				
SRF Loans	-	-	0%	-
Bonds	9,017,080	7,245,869	80%	8,964,016
WIFIA	17,000	18,100	106%	17,000
Debt Issuance	100,000	-	0%	-
<b>Total Expenses</b>	<b>\$ 162,875,541</b>	<b>\$ 70,862,240</b>	<b>44%</b>	<b>\$ 128,080,768</b>
<b>Total Revenue &amp; Proceeds less Expenses</b>	<b>\$ (52,744,065)</b>	<b>\$ (7,184,981)</b>		<b>(34,960,137)</b>

# Investment Portfolio

## Performance Measures for the USD Investment Portfolio



	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23
<b>LAIF</b>	<b>3.43%</b>	<b>3.53%</b>	<b>3.67%</b>	<b>3.84%</b>	<b>3.93%</b>
<b>2 Year Treasury</b>	<b>4.85%</b>	<b>5.03%</b>	<b>5.07%</b>	<b>4.73%</b>	<b>4.23%</b>
<b>USD Yield</b>	<b>4.30%</b>	<b>4.38%</b>	<b>4.45%</b>	<b>4.47%</b>	<b>4.61%</b>
<b>CAMP</b>	<b>5.52%</b>	<b>5.55%</b>	<b>5.56%</b>	<b>5.58%</b>	<b>5.55%</b>

LAIF: Local Agency Investment Fund Yield

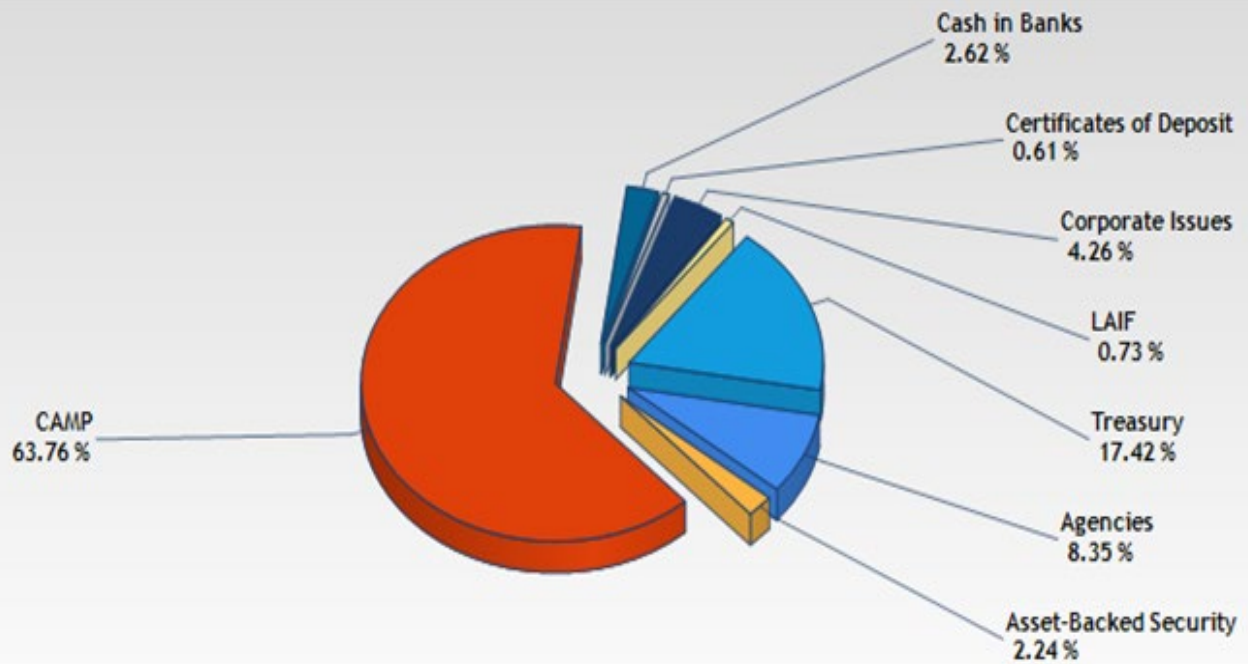
2 Year Treasury: Yield for investing in 2-Year U.S. Treasury security

USD Yield: Summarizes USD portfolio's yield

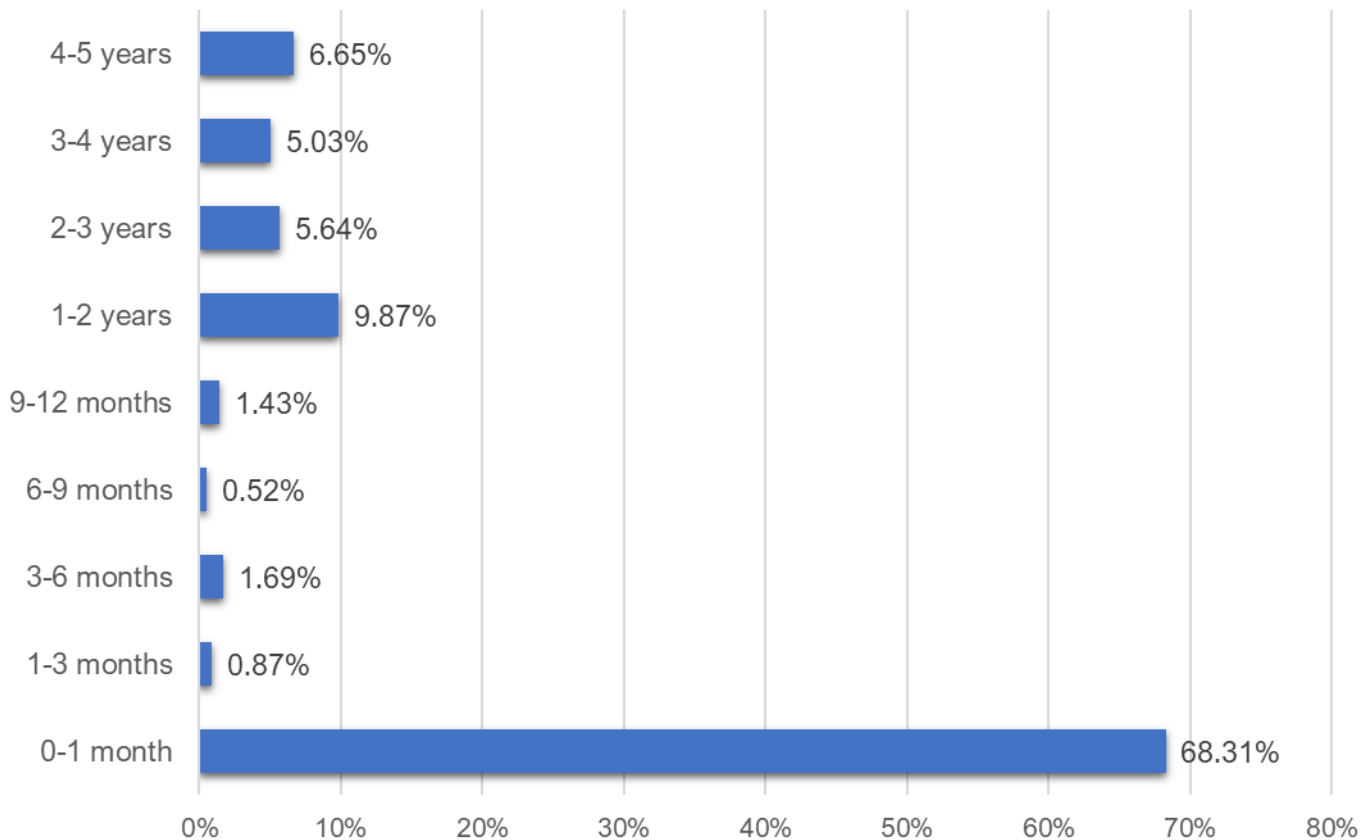
CAMP: California Asset Management Program Yield

# 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, 2023 through December 31, 2023, there was 1 odor related service request(s) received by the District.

<b>City</b>	Fremont		
<b>District Related:</b>	No	<b>Date/Time:</b>	12/15/2023 9:28AM
<b>Location:</b>	Balthazar Terrace	<b>Reported by:</b>	Roger DeSouza
<b>Weather/Temp:</b>	Slightly Cloudy / 52°F	<b>Wind:</b>	North East / 3 mph
<b>Response and Follow-up:</b> A report of a foul odor near the home's sewer lateral was received. A Trouble Call Inspector responded to the location. The inspector checked the sewer main, storm drain inlet, the home's cleanout, and area around the home. No odors were found and no visual evidence of unsanitary or odor causing conditions were observed. The inspector noted on the report that directly in front of the home is a creek that could be a possible source of odors.			
Discussed the findings with the homeowner and provided brochure.			



# Union Sanitary District Odor Map and Report

Union Sanitary District-  
Alvarado  
Treatment  
Plant



## Legend

### Odor Complaints: December 2023

- ★ Odor found, USD resolved (0)
- Odor found, not related to USD (0)
- ▲ No odor found (1)

### Odor Complaints: Jan. to Nov. 2023

- ★ Odor found, USD resolved (0)
- Odor found, not related to USD (6)
- ▲ No odor found (12)

## Location of Odor Reports January to December 2023

0 0.5 1 2 3 4 5 Miles





### Customer Service Response

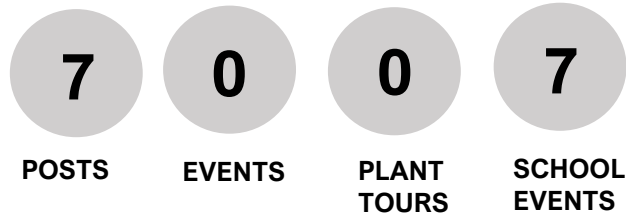
#### Front Desk Trouble Calls

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-23	8	0	1	9
Nov-23	7	3	1	11
Oct-23	9	1	1	11
Sep-23	6	1	1	8
Aug-23	9	1	2	12
Jul-23	9	2	3	14
6 Month Total				65
Dec-22	10	1	0	11

### Communication and Outreach

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



#### Social Media Posts:

- Assemblymember Ortega USD Tour (shared her post)
- Flushed Tissues Cause Issues
- FOG message and image
- FOG message and image
- Holiday Office Closure
- Only Flush the Three P's
- New Year Holiday Office Closure

#### Events:

- None

#### Other Activities:

- None



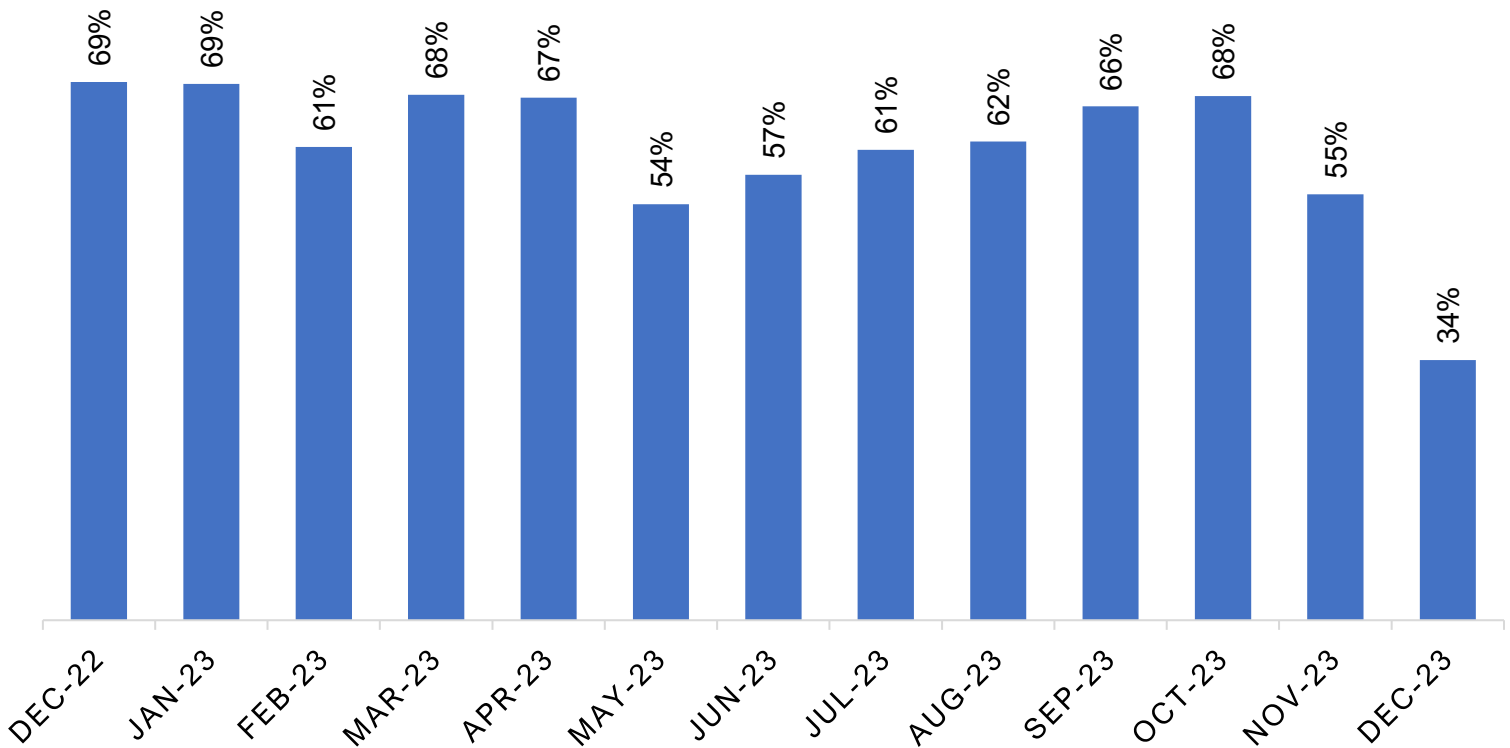
# Plant Operations

## 2023 MONTHLY OPERATIONS REPORT

### 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)



Mechanics working on the cogeneration engine

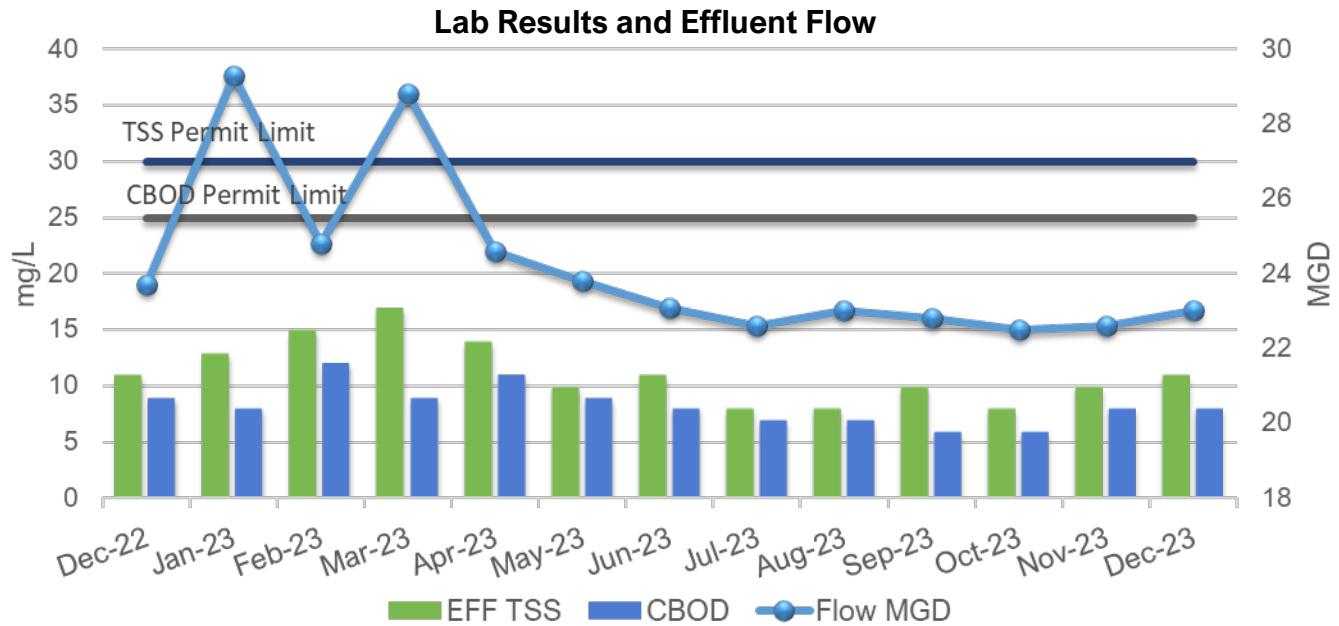


# Plant Operations

## 2023 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.



**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-23	Nov-23	Dec-23
Copper, µg/l	53	2.6	4.4	2.6
Mercury, µg/l	0.066	NA	0.029	NA
Cyanide, µg/l	20	ND 1.1	ND 1.1	ND 1.1
Ammonia- N, mg/L (Range)	86	41 - 47.4	40.6 - 46.4	46.4 - 52.60
Fecal Coliform, MPN/100ml (Range)				
• 5-Day Geometric Mean	500	26 - 34	43 - 64	35 - 44
• 11-Sample 90th Percentile	1100	52 - 59	59 - 61	61 - 61
Enterococci				
• 6-Week Geometric Mean	280	29	26	28

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



### Collection System Performance Report

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

**NO DATA AVAILABLE FOR DECEMBER 2023**

**NOTE:** At the time of publication, the California State Water Resources Control Board spill reporting tool that is used to compile spill comparison data was not available. The state has been contacted and responded that the reporting tool has been taken down temporarily to update the report to include data from the new SSO General Order.

#### Definition of Spill Categories

- Category 1: Any spill of any volume that results on a discharges to surface water.
- Category 2: 1,000 gallons or more. Does not discharge to a surface water.
- Category 3: Greater than 50 gallons and less than 1,000 gallons. Does not discharge to a surface water.
- Category 4: Less than 50 gallons. Does not discharge to a surface water.

#### 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.

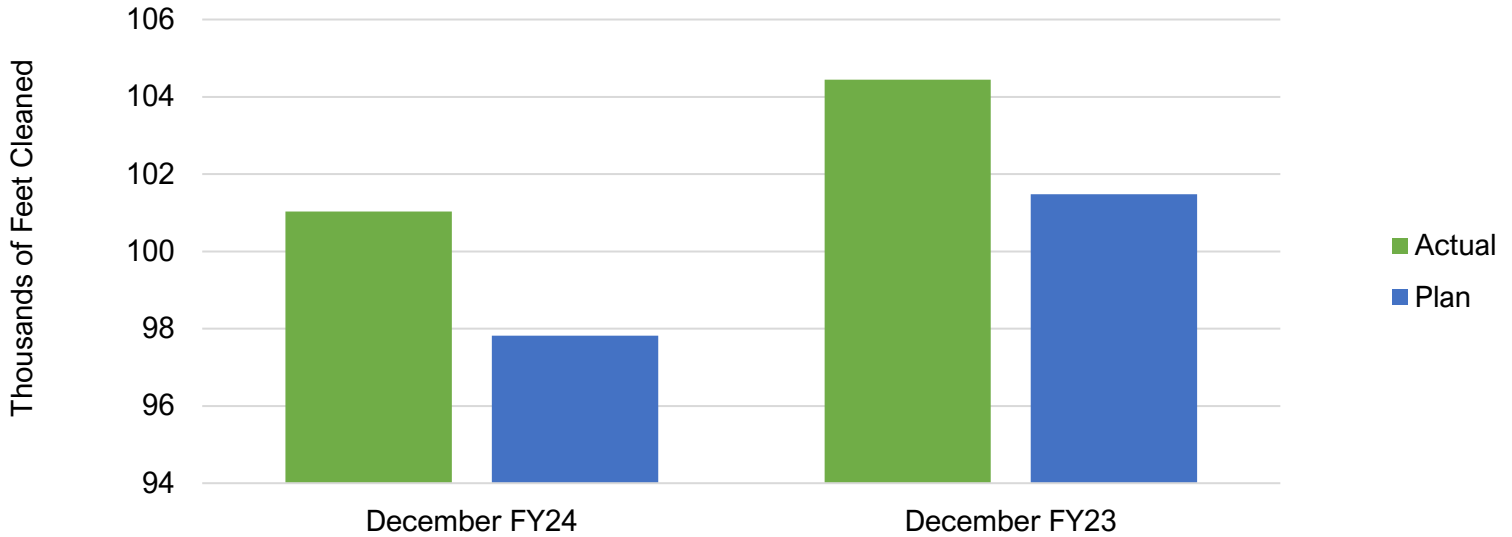
	This Month	Fiscal Year to Date	Historical Monthly Average
Sewer Line Repairs - # of Open Trench	0	5	0
Sewer Line Repairs - # of Trenchless	18	63	11
Work Orders Completed on Vehicles and Buildings	158	1034	172



# Maintenance Report

## 2023 MONTHLY OPERATIONS REPORT

### Sewer Line Cleaning



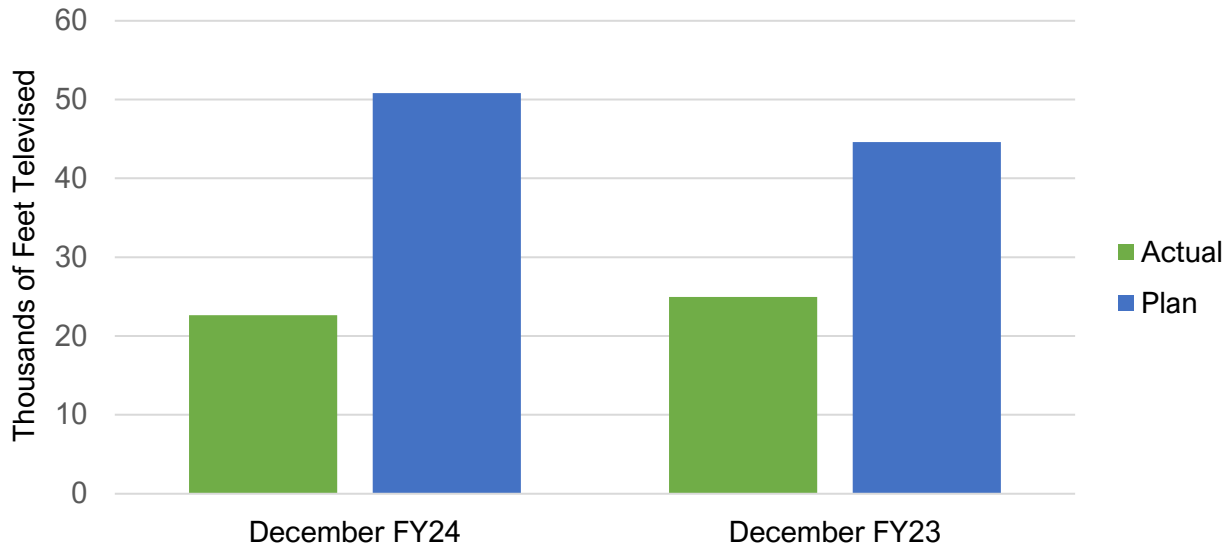
Cleaning Cost per Foot=\$0.70									
Description	FY24 Qtr 1 Footage	Oct-23 Footage	Nov-23 Footage/Count	Dec-23 Footage/Count	FY24 Qtr 2 Footage	FY24 YTD	Historical FY23	FY24 YE Goal	% Completed to Plan
84 Month Hydro-Jet Clean	162,988	32,787	49,691	30,216	112,694	275,682	589,507	680,354	40.5%
Selective Line Cleaning	63,183	6,132	1,115	35,478	42,725	105,908	211,253	216,307	49.0%
Special Condition Clean (not in total)	9,383	5,585	396	3,067	8,652	18,035	36,554	28,940	62.3%
Root Control/Chemical Clean	12,073	47,121	28,183	35,339	110,643	122,716	420,273	277,200	44.3%
Cast Iron Cleaning	-	-	-	-	-	-	7,498	-	0.0%
<b>Totals</b>	<b>238,244</b>	<b>86,040</b>	<b>78,989</b>	<b>101,033</b>	<b>266,062</b>	<b>504,306</b>	<b>1,228,528</b>	<b>1,173,861</b>	<b>43.0%</b>



# Maintenance Report

## 2023 MONTHLY OPERATIONS REPORT

### Sewer Line Inspection and Televising



Televising Cost per Foot=\$1.26									
Description	FY24 Qtr 1 Footage/Count	Oct-23 Footage/Count	Nov-23 Footage/Count	Dec-23 Footage/Count	FY24 Qtr2 Footage/Count	FY24 YTD	Historical FY23	FY24 Goal	% Completed to Plan
84 Month TV Inspection	92,765	35,202	48,579	22,654	106,435	199,200	478,376	530,567	37.5%
84 Month Manhole Inspection Count	629	163	247	177	587	1,216	2,563	2,676	45.4%
Visual/Condition, Pre/Post Cnst TV (not in total)	64	314	206	233	753	817	10,483	11,704	7.0%
Visual Manhole Inspection Count (not in total)	42	-	48	76	124	166	247	-	-
New Development, CIP, Misc (not in total)	1,318	314	2,455	880	3,649	4,967	25,583	27,744	17.9%
QA/QC Line Condition	-	-	-	-	-	-	16,436	52,843	0.0%
QA/QC Root Control	28,335	-	-	-	-	28,335	41,050	27,744	102.1%
<b>Totals</b>	<b>121,100</b>	<b>35,202</b>	<b>48,579</b>	<b>22,654</b>	<b>106,435</b>	<b>227,535</b>	<b>535,862</b>	<b>611,154</b>	<b>37.2%</b>

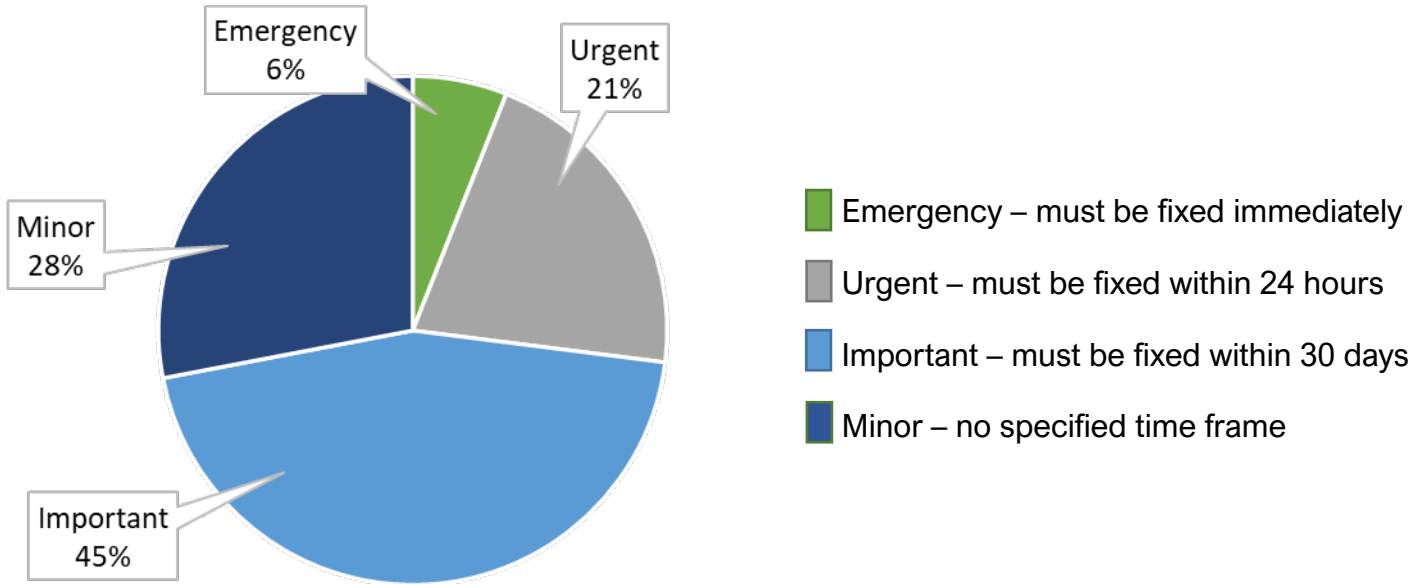


# Maintenance Report

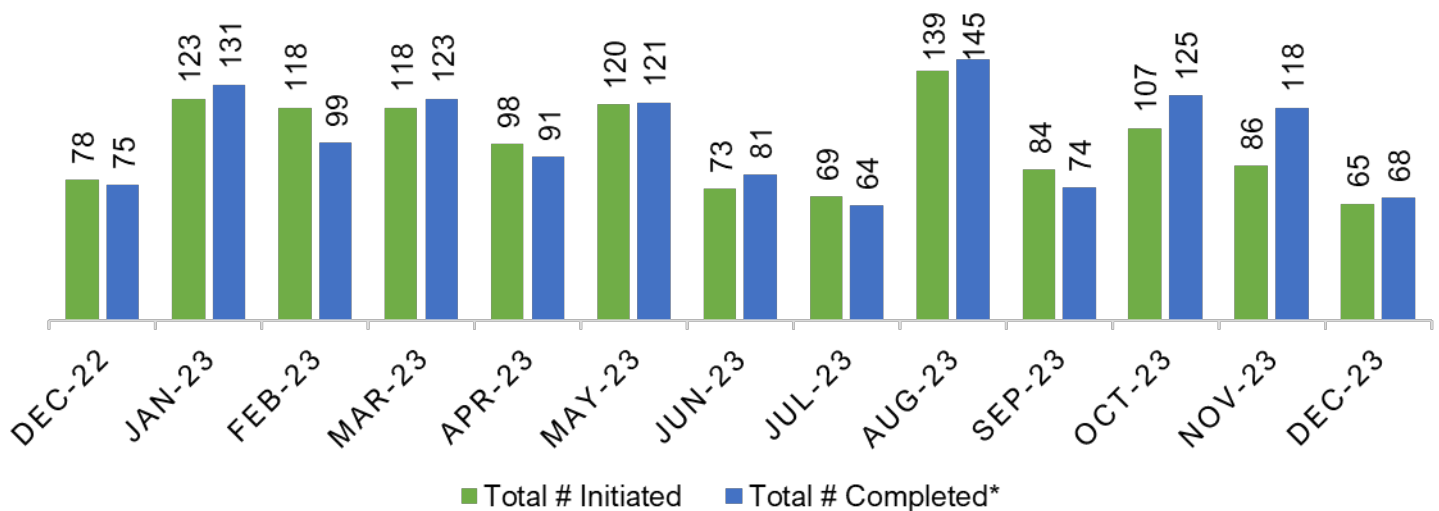
## 2023 MONTHLY OPERATIONS REPORT

### 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 99.35% 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.





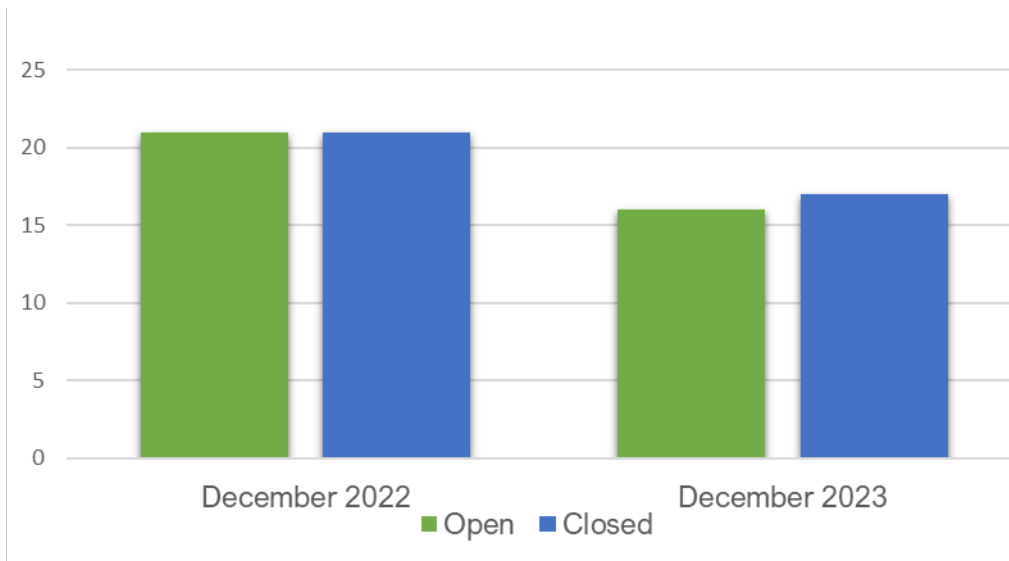
# Maintenance Report

## 2023 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	100%
Newark Pump Station	USD Managed	99.99%
Boyce Pump Station	USD Managed	99.99%
Irvington Pump Station	USD Managed	99.92%
SCADA	USD Managed	100%
Total Average of All USD Servers	USD Managed	99.99%

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

## 2023 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 (FY24) CIP Projects	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Force Main Corrosion Repairs Project – Phase 4	\$2,042	\$0	10/24	0%
2 – Irvington Basin Reinforced Concrete Pipe Rehabilitation Project	\$5,291	\$5,291	12/22	99%
3 – Plant Miscellaneous Improvements Project	\$5,544	\$508	9/24	10%
4 – Standby Power Generation System Upgrade Project	\$21,135	\$16,800	6/24	79%



Standby Power Generation System Upgrade Project



# Capital Improvement Projects

## 2023 MONTHLY OPERATIONS REPORT

### Design Phase – Budget and % of Completed Scope

Current (FY24) Design Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Pump Stations Chemical System Improvements Project	\$943	\$815	12/23	90%
2 – Switchboard No. 3 and MCC No. 25 Replacement Project	\$95	\$71	7/22	77%
3 – WAS Thickener Replacement Project	\$1,017	\$951	6/23	95%

### Study Phase – Budget and % of Completed Scope

Current (FY24) Study Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Alvarado Basin Capacity and Condition Assessment	\$399	\$73	11/24	20%
2 – Co-Digestion Feasibility Study	\$125	\$11	3/24	18%
3 – Cogeneration Replacement and Ventilation Study	\$142	\$137	7/22	98%
4 – Digester Efficiency Study	\$353	\$179	11/23	80%
5 – Energy Resiliency Study	\$256	\$271	12/22	98%
6 – Force Main Condition Assessment	\$121	\$60	10/22	70%
7 – Headworks Degritting Study	\$200	\$191	10/22	99%
8 – Primary Digester No. 8 Feasibility Study	\$111	\$137	9/22	90%
9 – Sea Level Rise Study	\$162	\$162	11/22	99%



# Permitting and Inspections

## 2023 MONTHLY OPERATIONS REPORT

### Sewer Permits Issued

Permits issued upon approved completed plans.

Month	Repairs	Mains	New Laterals*	Secondary Units	Other**	Total
Dec-23	14	0	12	4	2	32
Nov-23	16	0	28	6	0	50
Oct-23	21	0	41	12	4	78

\*New residential lateral connections

\*\*Non-residential construction

### 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
99	605	3	0	1	7	0	0	11

### 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
46	374	5	8	0	0	0	0	13

### Permitted Industrial Businesses

City	Industrial Permits
Fremont	57
Newark	11
Union City	12

Examples of Permitted Industrial Businesses:

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



# Staffing and Personnel

## 2023 MONTHLY OPERATIONS REPORT

### Hours Worked and Leave Time by Work Group

June 22, 2023 through December 20, 2023

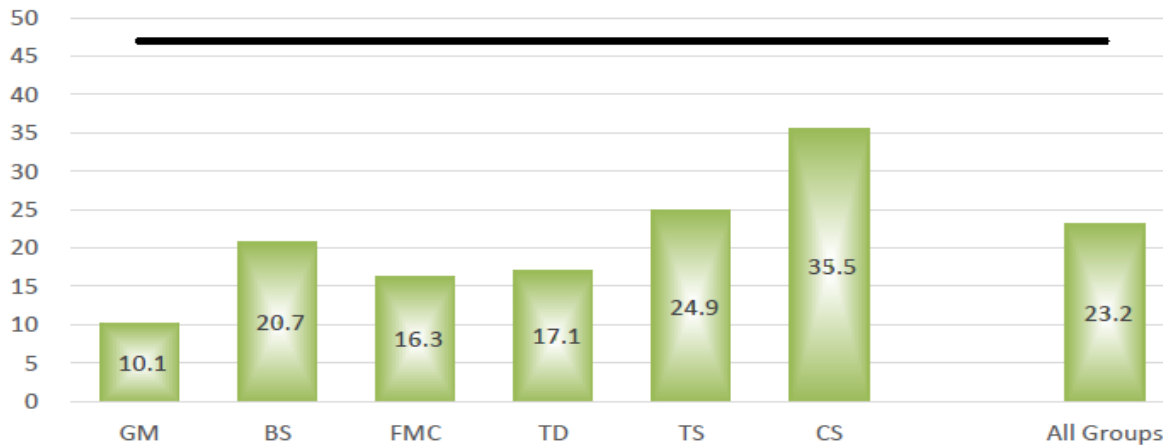
Weeks to Date: 26 out of 52 (50%)

#### At-Work Hours Per Employee Per Week



Target is 34

#### Average Annual Sick Leave Used Per Employee Per Date



Target is 47

### Recruitments

Position	Position Posted	Status
Construction Inspector I/II – (2 positions)	9/29/2023	Jason Atherton, DOH 1/29/2024; Sonny Quach, DOH 1/29/2024.
FMC Mechanical Maintenance Coach	10/24/2023	Ed Tatola, Promotion 12/31/2023.
Sr. Process Engineer	11/1/2023	In progress.
FMC Mechanic I/II – Limited Duration	Useable List	Candidate in background process.
Environmental Compliance Inspector I/II	11/28/2023	In progress.



**Directors**

Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

**Officers**

Paul R. Eldredge  
*General Manager/  
District Engineer*

Karen W. Murphy  
*Attorney*

**JANUARY 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM #8**

**TITLE:** Authorize the General Manager to Execute a Contract Change Order with W. M. Lyles Co. for Temporary Power Provisions for the New Campus Building for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project to *(This is a Motion Item)*

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager  
Gus Carillo, Enhanced Treatment and Site Upgrade Assistant PM  
ETSU Steering Committee (Armando Lopez, Raymond Chau, Robert Simonich)

**Recommendation**

Staff recommends the Board authorize the General Manager to execute contract change order No. 24 with W. M. Lyles Co. (WML) in the amount of \$241,698 for additional costs associated with Temporary Power Provisions for the New Campus Building for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications (AB Mods Project).

**Discussion**

Phase 1A of the Enhanced Treatment and Site Upgrade (ETSU) Program consists of two separate construction contracts. The AB Mods Project consists of modification of existing aeration basins and the addition of aeration basin 8 and a second construction contract that includes the new Campus Building (Campus) with related improvements. The AB mods project is also responsible for installing a new PG&E service entrance switchgear (switchgear SE) for metering and distributing 12kV power from PG&E to the entire Alvarado Treatment Plant Site (Plant). The switchgear provides power to the new ETSU Campus building and connects the new standby generators to the plants electrical grid.

Switchgear SE is behind schedule due to external factors ranging from manufacturing delays to the PG&E approval process. This delay is impacting both the Stand-by Power Generation Project and the Campus Project.

Proposed Contract Change Order

A temporary power plan was developed for the Campus to mitigate the impacts of the switchgear delay on the Campus Project and the ETSU Program schedule. The plan maximizes the use of the existing infrastructure and minimizes the need for construction of temporary facilities. The details of the plan are as described at the Board workshop on December 18, 2023 and are included in the background section of this report.

At the workshop staff shared a preliminary estimate of approximately \$206,513 for the proposed change order. The final amount of the proposed change order has increased since that time due to actual costs of the materials coming in higher than previously anticipated (e.g. the cable splice cabinets and associated conduit fittings). At the workshop staff provided the following table to clarify how much of the costs of the proposed change order were unplanned costs that would not have occurred if switchgear SE was on schedule. The table has been updated to clarify how the revised change order amount is distributed between planned costs and unplanned costs.

Description of type of costs	Preliminary estimate at Workshop	Proposed Cost
Additional costs due to revised plan that would have occurred eventually regardless of switchgear SE schedule	\$164,370	\$164,370
Additional costs that would not have occurred if switchgear SE was on schedule	\$42,143	\$77,328
<b>AB Mods Change Order Total</b>	<b>\$206,513</b>	<b>\$241,698</b>

These unplanned costs are a topic of ongoing discussion with the AB Mods contractor. The costs do not include minor adjustments to the Campus contract for power or communication or the costs of the delay to the Stand-by Power Project since that project can't be completed until the switchgear is installed. Staff believes that the proposed change order cost of \$241,698 is reasonable given the circumstances and represents the most cost-effective method to minimize impacts to the ETSU Program schedule.

This proposed change order will bring the total change orders executed to date on this project to \$431,654.40 or 0.4% of the contract amount. A summary of the change orders to date can be found in Table 1 attached to this report.

**Background**

The ETSU Program is the culmination of the District’s planning efforts and is based on the outcomes and findings of the Plant Solids System/Capacity Assessment – Phases 1 and 2, Administration/Control/FMC Buildings Evaluation, the Effluent Management Study and the Secondary Treatment Process Improvements evaluation. The Program includes projects recommended for implementation that will be phased to address both immediate drivers (poor sludge settleability, treatment capacity, effluent disposal and aging infrastructure), while preparing for future requirements such as nutrient regulations for discharge in the Bay that are currently being considered by the Regional Water Quality Control Board.

The Phase 1 and 2 projects included in this program were presented to the Board during the workshop held on May 8, 2019 and are summarized in the Final Report which was approved by the Board on August 26, 2019. A third phase of projects was briefly outlined that covered the timeframe from 2040 to 2058 and included potentially stricter nutrient limits in the more distant future. The projects identified in the ETSU Program and modified by the 30% design report to be implemented in the near-term (the next seven to ten years) are included in Phase 1 and are summarized in the table below.

Phase 1A	Aeration Basin Modifications	Retrofitting existing Aeration Basins 1 through 7 and construction of an 8 <sup>th</sup> aeration basin with the flexibility to operate initially with an anaerobic selector during the implementation phase and transitioning to a biological nutrient removal (BNR) process following completion.
Phase 1A	Campus Building (Admin, FMC, Ops)	Construction of a new combined Campus Building, including associated site and utility improvements.
Phase 1B	Secondary Clarifiers	Construction of four new 160-foot diameter secondary clarifiers, mixed liquor control box, and centralized RAS pump station.
Phase 1B	Effluent Facilities	Construction of new chlorination/dechlorination contact basins, effluent pump stations, and relocation of existing effluent force main.
Phase 1C	Plant Equalization Storage	Retrofitting existing Secondary Clarifiers 1 through 4 to operate as primary effluent equalization basins.

The full version of the ETSU Program report, including appendices, can be found at the following link: <https://unionsanitary.ca.gov/ETSU>.

ETSU Phase 1A Project



Staff developed a Phase 1A Project scope which includes the Aeration Basin Modifications project and the Campus Building project. These two projects were being designed together for the initial construction because they are the first two concurrent projects that must be constructed to facilitate the construction of the remainder of Phase 1 program. However, due to a number of factors including the Covid 19 pandemic the design of the Aeration Basins Modifications Project was able to be completed prior to the Campus Building Project.

The major scope items for the Aeration Basin Modifications Project are as follows:

- Retrofit Aeration Basins 1 through 7 to initially operate with an anaerobic selector to improve settling and then transition to a Biological Nutrient Removal (BNR) process to remove nutrients at the conclusion of Phase 1B. This work includes but is not limited to the following:
  - Installation of baffling and mechanical mixing to create deoxygenation, anoxic and flexible aeration zones.
  - Addition of nitrified recycle pumps and dedicated RAS piping for each basin, repurposing of existing channels to facilitate step feed operation and surface wasting and modifications to existing aeration air distribution and diffuser piping systems.
- Construct new Aeration Basin 8
- Replace Roof Deck for Aeration Basins 1 through 4. The existing precast prestressed concrete tee-section beams to be replaced with a new cover.
- Replace Aeration Blowers 7 through 10 and Channel Blowers 1 through 4 with new high-speed turbo blowers. This work includes the replacement/upsizing of existing 480V electrical gear and demolition of existing centrifugal blowers and 4160 kV switchgear.
- Replace Odor Scrubbers 2 through 5. This work includes the demolition of the existing odor scrubber facilities.
- Rehabilitate Primary Effluent Lift Station No. 2
- Expand and/or retrofit existing electrical, mechanical, communication, and conveyance systems/equipment as required to accomplish the above scope of work.

#### Switchgear SE Construction Plan and Status

The AB Mods Project was bid separately from the Campus due to the timing of the projects and the differing type of work required for each. The new switchgear SE was included in the scope of the AB Mods project for a number of reasons:

- The AB Mods Project Contractor is best qualified to install Switchgear SE.
- The AB mods Project was ready for construction before the Campus and Stand-by Power Projects and provided the soonest opportunity to begin the procurement and PG&E approval process for Switchgear SE.

Due to delays in the review and approval of the switchgear by PG&E the commissioning of switchgear SE on site is expected to be delayed. The manufacturing process is also taking longer than initially anticipated. PG&E provided their approval of the Switchgear SE drawings on October 4, 2023. The first submission to PG&E occurred in June 2022. Staff are still awaiting a firm delivery date for Switchgear SE but the current estimate is that Switchgear SE commissioning is likely to occur in the summer of 2025. Supply chain issues are still lingering, especially for electrical equipment. Manufacturing has extremely long lead times. Typically, this equipment would take 8-10 months, now it is projected at 20 months (1.7 years).

#### Temporary Power Plan for Campus

Staff worked with the design consultants to develop a mitigation plan to address the impacts of the delays with Switchgear SE to the Campus Project. In developing an alternative plan for powering the Campus staff sought to maximize the use of the existing electrical infrastructure on-site by adjusting the sequence of planned work and minimizing the need for construction of temporary facilities where it made sense. The Campus Building requires a large 12kV power breaker to provide adequate power to the new building.

The mitigation plans involves the early use of a ductbank that was recently constructed during the Digester 7 and Stand-by Power projects to provide a raceway and cable to bring 12kV power from the existing main electrical building to the area of the new Switchgear SE. This ductbank was intended to be used in a future project when the existing switchgear inside the main electrical building is replaced. That project is currently scheduled to begin design in FY25.

The cable that will be pulled through the alternative raceway will first be used to provide power from the existing main electrical building to the Campus Building. Then after Switchgear SE is installed the cables will be used to send power from Switchgear SE to the existing main electrical building which was their original intended purpose. This plan minimizes rework as the cable procurement and installation costs are substantial. See the attached sketch that shows both the new proposed power route and the original contract route.

The additional costs associated with this plan are due to two basic causes: First the alternative pathway is significantly longer than the original pathway and thus additional cable length needs to be procured and installed in this project instead of the future planned project. The remaining costs of the change order include the costs of approximately 40' of additional ductbank construction and terminating and re-terminating of the wire that would not have been necessary if the Switchgear arrived when originally planned (by February 2024).

#### **Previous Board Action**

August 26, 2019, the Board Adopted Resolution 2864 Approving the District's Final Report for the Enhanced Treatment & Site Upgrade Program.

January 13, 2020, the Board authorized the General Manager to execute an Agreement and Task Order No. 1 with Hazen and Sawyer in the amount of \$6,752,860 for the Enhanced Treatment and Site Upgrade Phase 1A Project to provide the 30% design services for all projects in Phase 1 of the ETSU Program (excluding the Campus Building project) and final design services associated with the Aeration Basin Modifications Project.

May 10, 2021, the Board adopted Resolution 2923 adopting the Mitigated Negative Declaration for the Enhanced Treatment and Site Upgrade Phase 1 Program.

January 10, 2022, the Board Awarded the Construction Contract for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project to W. M. Lyles Co..

PRE/RP/GC

Attachments:

Figure 1: ETSU Program – Phase 1 Project Locations

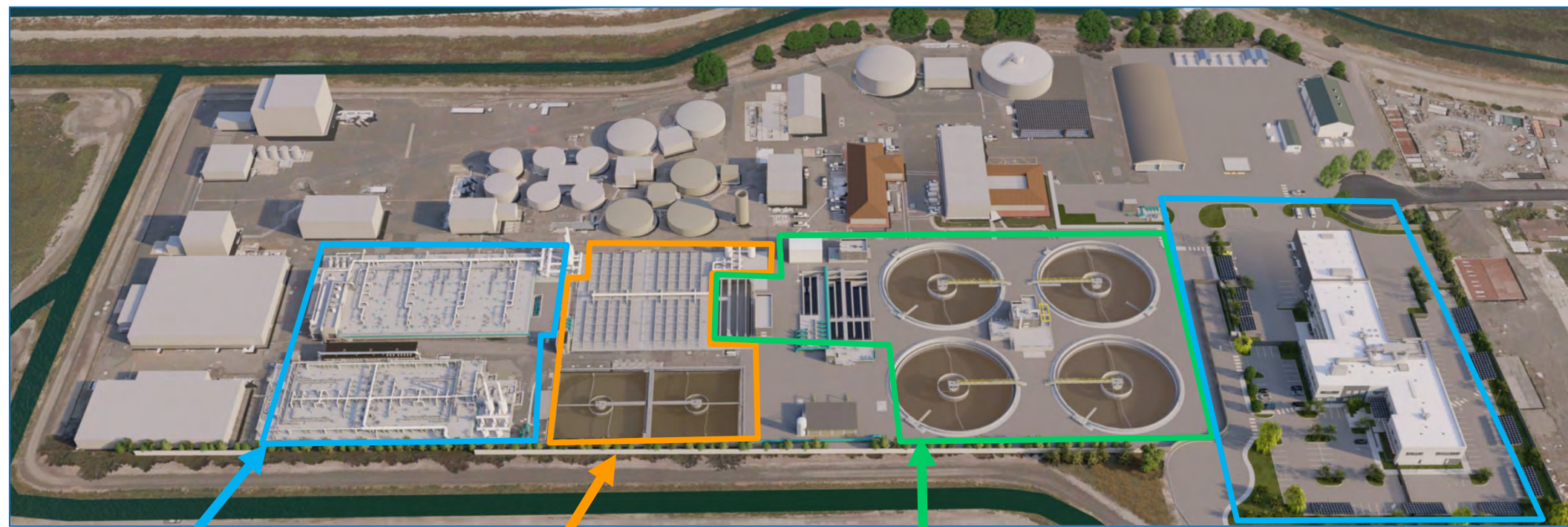
Figure 2: Project Areas Impacted by switchgear SE

Figure 3 – Site Plan showing original and alternate routing of power from the main electrical building to Switchgear SE to the new Campus Building.

CCO #24: Temp Campus power

Table 1: Summary of contract change orders to date

# Figure 1: ETSU Program – Phase 1 Project Locations



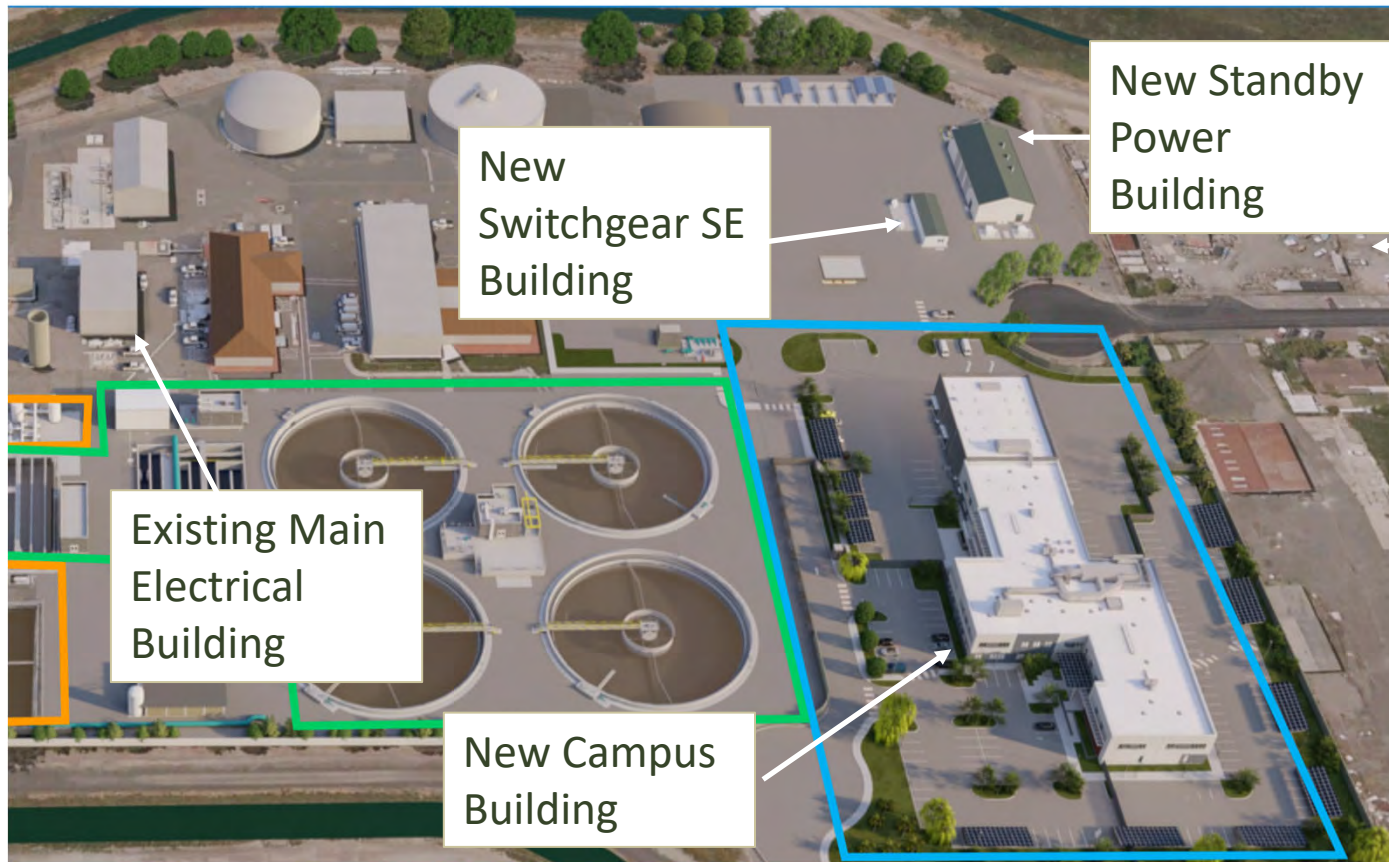
**Phase 1A**  
Aeration Basins  
Modifications

**Phase 1C**  
Plant Equalization Storage

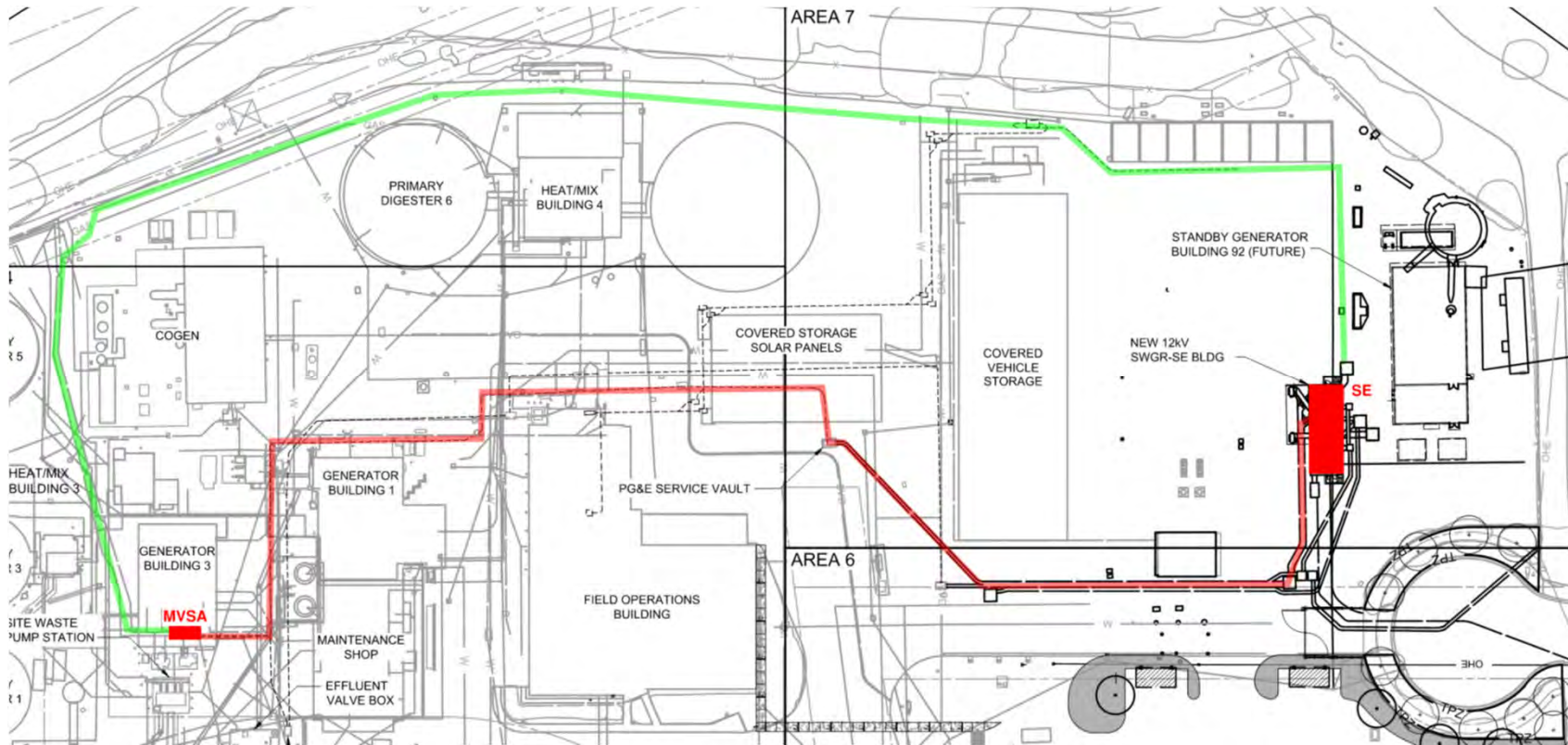
**Phase 1B**  
Secondary Clarifiers  
& Effluent Facilities

**Phase 1A**  
Campus Building

**Figure 2: Project Areas Impacted by Switchgear SE**



### Figure 3: Power Conductor Paths



### Original Option (red line) vs. Proposed Option (green line)

## CONTRACT CHANGE ORDER No. 024

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### Enhanced Treatment and Site Upgrade Phase 1A – Aeration Basin Modifications Project

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**ITEM: Temporary Campus Power & Alternate 12kV Route**

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 or comply with the terms and obligations of this Contract Change Order (CCO). 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 CCO.

**DESCRIPTION OF CHANGE:**

This Change Order includes all costs associated with the modifications to the 12kV power feed between the new Switchgear SE and existing Switchgear MVSA from the eastern side of the treatment plant to the alternative route on the western side of the treatment plant. These modifications will provide the Campus Building with temporary power prior to the arrival of Switchgear SE.

As detailed in the attached Field Order No. 18.0 & 18.1, the Contractor shall install new Ductbank 37 with two 4-inch conduits between electrical vaults MH-MV-E1 and MH-MV-W1. Contractor shall install a new equipment pad on the south side of MH-MV-W1 and supply two new termination cabinets to facilitate temporary power to the Campus Building.

As detailed in Request for Quote No. 30 and 31, as modified by this Change Order, the Contractor shall perform the following changes to the 12kV power work. Contractor shall include all necessary labor, equipment and material to complete the work, including premium time needed for work to take place during overnight shutdowns.

Phase 1 – Temporary Power:

- Delete the installation of two sets of (3) 500kcmil 15kV, 3/0 GND feeders between new Switchgear SE and existing Switchgear MVSA along the eastern route from the contract.
- Install two sets of (3) 250kcmil 15kV, #1 GND feeders between Switchgear MVSA and the new MVSA termination cabinet to provide temporary power to the Campus Building and future permanent power to MVSA. A single set of (3) 250kcmil 15kV, #1 GND to be installed by Campus Contractor will complete the temporary connection.

Phase 2 – Permanent Power:

- Relocate the temporary Campus feeders from the MVSA termination cabinet to the Campus termination cabinet.
- Install two sets of (3) 250kcmil 15kV, #1 GND feeders between Switchgear SE and the MVSA termination cabinet to provide permanent power to Switchgear MVSA.
- Install a single set of (3) 250kcmil 15kV, #1 GND between Switchgear SE and the Campus termination cabinet to provide permanent power to the Campus 12kV Loop #1.
- Install a single set of (3) 250kcmil 15kV, #1 GND between Switchgear SE and Campus Transformer TX-EV-3 to provide permanent power to Campus 12kV Loop #2.

**REFERENCES:** Field Order No. 18 & 18.1  
Request for Quotation No. 30 and 31  
Potential Change Order No. 53.3  
Potential Change Order No. 87.2

**ATTACHMENTS:** FO No. 18.0 & 18.1 Additional Conduit for Temporary Campus Power  
CCO 024 Temporary Campus Power & Alternate 12kV Route SK-1

**COST OF CHANGE:** \$241,698.00

**CONTRACT TIME ADJUSTMENT:** 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 and amends 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:**

**W.M. Lyles Co.**  
Contractor:

By: \_\_\_\_\_  
Anthony Mueller

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

**RECOMMENDED FOR ACCEPTANCE:**

**Psomas**  
Construction Manager:

By: \_\_\_\_\_  
Mike Redig, P.E.

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

**Union Sanitary District**  
ETSU Program Manager:

By: \_\_\_\_\_  
Ric Pipkin, 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: \_\_\_\_\_



**TABLE 1**  
**ETSU PHASE 1A AERATION BASIN MODIFICATIONS PROJECT**  
**EXECUTED CHANGE ORDER SUMMARY**  
**JANUARY 22, 2024**

<b>No.</b>	<b>Status</b>	<b>Contract Change Order Title</b>	<b>Contract Time Adjustment, Calendar Days</b>	<b>Cost of Change</b>
1	Executed	Access to ACFC & WCD land	0	\$(17,800.00)
2	Pending	Not used	N/A	N/A
3	Executed	Blower pressure gauge delete	0	\$(1,019.00)
4	Executed	Programmable Logic Controller (PLC) Processor model change	0	\$4,334.00
5	Executed	12kv switchgear building changes	0	\$23,000.00
6	Executed	Transformer and ductbank 19 & 20 route and material changes	0	\$0
7	Pending	Not used	N/A	N/A
8	Executed	Additional stockpile locations	0	\$0
9	Pending	Not used	N/A	N/A
10	Executed	Change basin epoxy coating to polyurethane	0	\$(70,000.00)
11	Executed	Electrical conduit changes on top of basins	0	\$(43,010.50)
12	Executed	Basin 5-8 slab modifications	0	\$5,902.99
13	Executed	Reclaim water pipe leak investigation and repair	0	\$37,750.65
14	Executed	Scrubber fan 3 conduit reroute	0	\$6,451.01
15	Executed	Water line reroute at secondary clarifier 1	0	\$5,282.33
16	Executed	Excavation for 12" elutriation pipeline	0	\$7,902.11
17	Executed	Remove existing and install temporary lighting on east side of Basins 1-4	0	\$1,549.00

ETSU Phase 1A AB Mods Project Executed Change Order Summary

Meeting of January 22, 2024

Page 2

18	Executed	Additional rebar at wall intersections of basin 1-4	0	\$4,768.05
19	Executed	Lift pump guard and oiler, modifications and pump 2 repairs	0	\$38,449.83
20	Executed	West blower building replacement louver	0	\$32,502.66
21	Executed	Basin 5&6 effluent weir plates	0	\$11,348.27
22	Executed	Anode tracing		\$5,379.00
23	Proposed	Thickener overflow line repairs	0	\$137,166
24	Proposed	Temporary Campus power	0	\$241,698
<b>Total</b>				\$ 431,654.40
<b>Original Contract Amount</b>				\$121,040,200.90
<b>Proposed Revised Contract Amount</b>			0.4% of contract amount	\$121,471,855.30



**Directors**

Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

**Officers**

Paul R. Eldredge  
*General Manager/  
District Engineer*

Karen W. Murphy  
*Attorney*

**JANUARY 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM #9**

**TITLE:** **Authorize the General Manager to Execute a Contract Change Order with W. M. Lyles Co. for Existing Pipeline Repairs for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project to *(This is a Motion Item)***

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager  
Gus Carillo, Enhanced Treatment and Site Upgrade Assistant PM  
ETSU Steering Committee (Armando Lopez, Raymond Chau, Robert Simonich)

**Recommendation**

Staff recommends the Board authorize the General Manager to execute contract change order No. 23 with W. M. Lyles Co. (WML) in the amount of \$ 137,166 for costs associated with the repair of the existing thickener overflow pipeline at the Alvarado Wastewater Treatment Plant (Plant) for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications (Project).

**Discussion**

The Board Awarded the Construction Contract for the Project to WML on January 10, 2022 for \$121,040,200.90. The Project includes numerous improvements to the aeration system in the plant.

On August 2, 2023 an existing 20" diameter steel pressurized drainage pipe failed. The cause of the pipe failure was corrosion in the pipe crown. The corrosion was due to a localized highpoint in the line when it was installed nearly 40 years ago. The disturbance of the soil above the pipe appears to have revealed the weakness of the pipe but did not cause the failure. Staff has televised the network of pipes to the extent accessible to confirm there is not another location

of anticipated imminent failure. As part of a future project staff is planning a more expansive study of the pipeline and the preemptive replacement of some portions of the pipe that are areas of concern.

This failed pipe is part of a network of pressurized on-site internal process wastewater drain pipelines from multiple plant process units. The pipe that failed normally conveys the thickener overflow from the gravity thickeners. See the attached figures for a map of the pipeline. Temporary measures were immediately implemented to allow the plant to resume normal treatment activities.

Staff redirected the on-site wastewater flows through other existing pipelines back to the headworks of the plant for treatment. This redirection interfered with collecting permit required influent samples and is not a permanent solution. Staff notified the Regional Water Board staff of the issue and developed an alternative method for acquiring the sample in a manner that was acceptable to the Water Board staff on a temporary basis. The effluent quality from the plant was not impacted by the pipe failure at any time through this process.

On August 24 the contractor was able to procure the parts to make a partial temporary repair to the pipeline. This allowed sampling procedures to return to normal. Staff also directed the contractor to construct a temporary above ground pipeline to maintain operation of the gravity sludge thickeners.

#### Change Order

After a temporary repair was in place staff directed WML to expose the pipeline further to assess the pipe and determine a method for permanent repair. This process took several months due to various factors (proximity to other work and the number of other pipelines to work around). To date the extra work completed totals \$89,606. Staff negotiated a change order with the contractor to procure the remaining parts and complete the permanent repair. The total proposed change order for all work done to date and for the permanent repair of the line totals \$137,166. Staff believes this is reasonable given the nature type of work required to complete the repairs.

This proposed change order will bring the total change orders executed to date on this project to \$431,654.40 or 0.4% of the contract amount. A summary of the change orders to date can be found in Table 1 attached to this report.

#### **Background**

The ETSU Program is the culmination of the District's planning efforts and is based on the outcomes and findings of the Plant Solids System/Capacity Assessment – Phases 1 and 2, Administration/Control/FMC Buildings Evaluation, the Effluent Management Study and the Secondary Treatment Process Improvements evaluation. The Program includes projects

recommended for implementation that will be phased to address both immediate drivers (poor sludge settleability, treatment capacity, effluent disposal and aging infrastructure), while preparing for future requirements such as nutrient regulations for discharge in the Bay that are currently being considered by the Regional Water Quality Control Board.

The Phase 1 and 2 projects included in this program were presented to the Board during the workshop held on May 8, 2019 and are summarized in the Final Report which was approved by the Board on August 26, 2019. A third phase of projects was briefly outlined that covered the timeframe from 2040 to 2058 and included potentially stricter nutrient limits in the more distant future. The projects identified in the ETSU Program and modified by the 30% design report to be implemented in the near-term (the next seven to ten years) are included in Phase 1 and are summarized in the table below.

Phase 1A	Aeration Basin Modifications	Retrofitting existing Aeration Basins 1 through 7 and construction of an 8 <sup>th</sup> aeration basin with the flexibility to operate initially with an anaerobic selector during the implementation phase and transitioning to a biological nutrient removal (BNR) process following completion.
Phase 1A	Campus Building (Admin, FMC, Ops)	Construction of a new combined Campus Building, including associated site and utility improvements.
Phase 1B	Secondary Clarifiers	Construction of four new 160-foot diameter secondary clarifiers, mixed liquor control box, and centralized RAS pump station.
Phase 1B	Effluent Facilities	Construction of new chlorination/dechlorination contact basins, effluent pump stations, and relocation of existing effluent force main.
Phase 1C	Plant Equalization Storage	Retrofitting existing Secondary Clarifiers 1 through 4 to operate as primary effluent equalization basins.

The full version of the ETSU Program report, including appendices, can be found at the following link: <https://unionsanitary.ca.gov/ETSU>.

ETSU Phase 1A Project

Staff developed a Phase 1A Project scope which includes the Aeration Basin Modifications project and the Campus Building project. These two projects were being designed together for the initial construction because they are the first two concurrent projects that must be constructed to facilitate the construction of the remainder of Phase 1 program. However, due to a number of factors including the Covid 19 pandemic the design of the Aeration Basins Modifications Project was able to be completed prior to the Campus Building Project.

The major scope items for the Aeration Basin Modifications Project are as follows:

- Retrofit Aeration Basins 1 through 7 to initially operate with an anaerobic selector to improve settling and then transition to a Biological Nutrient Removal (BNR) process to remove nutrients at the conclusion of Phase 1B. This work includes but is not limited to the following:
  - Installation of baffling and mechanical mixing to create deoxygenation, anoxic and flexible aeration zones.
  - Addition of nitrified recycle pumps and dedicated RAS piping for each basin, repurposing of existing channels to facilitate step feed operation and surface wasting and modifications to existing aeration air distribution and diffuser piping systems.
- Construct new Aeration Basin 8
- Replace Roof Deck for Aeration Basins 1 through 4. The existing precast prestressed concrete tee-section beams to be replaced with a new cover.
- Replace Aeration Blowers 7 through 10 and Channel Blowers 1 through 4 with new high-speed turbo blowers. This work includes the replacement/upsizing of existing 480V electrical gear and demolition of existing centrifugal blowers and 4160 kV switchgear.
- Replace Odor Scrubbers 2 through 5. This work includes the demolition of the existing odor scrubber facilities.
- Rehabilitate Primary Effluent Lift Station No. 2
- Expand and/or retrofit existing electrical, mechanical, communication, and conveyance systems/equipment as required to accomplish the above scope of work.

#### **Previous Board Action**

August 26, 2019, the Board Adopted Resolution 2864 Approving the District's Final Report for the Enhanced Treatment & Site Upgrade Program.

January 13, 2020, the Board authorized the General Manager to execute an Agreement and Task Order No. 1 with Hazen and Sawyer in the amount of \$6,752,860 for the Enhanced Treatment and Site Upgrade Phase 1A Project to provide the 30% design services for all projects in Phase 1 of the ETSU Program (excluding the Campus Building project) and final design services associated with the Aeration Basin Modifications Project.

May 10, 2021, the Board adopted Resolution 2923 adopting the Mitigated Negative Declaration for the Enhanced Treatment and Site Upgrade Phase 1 Program.

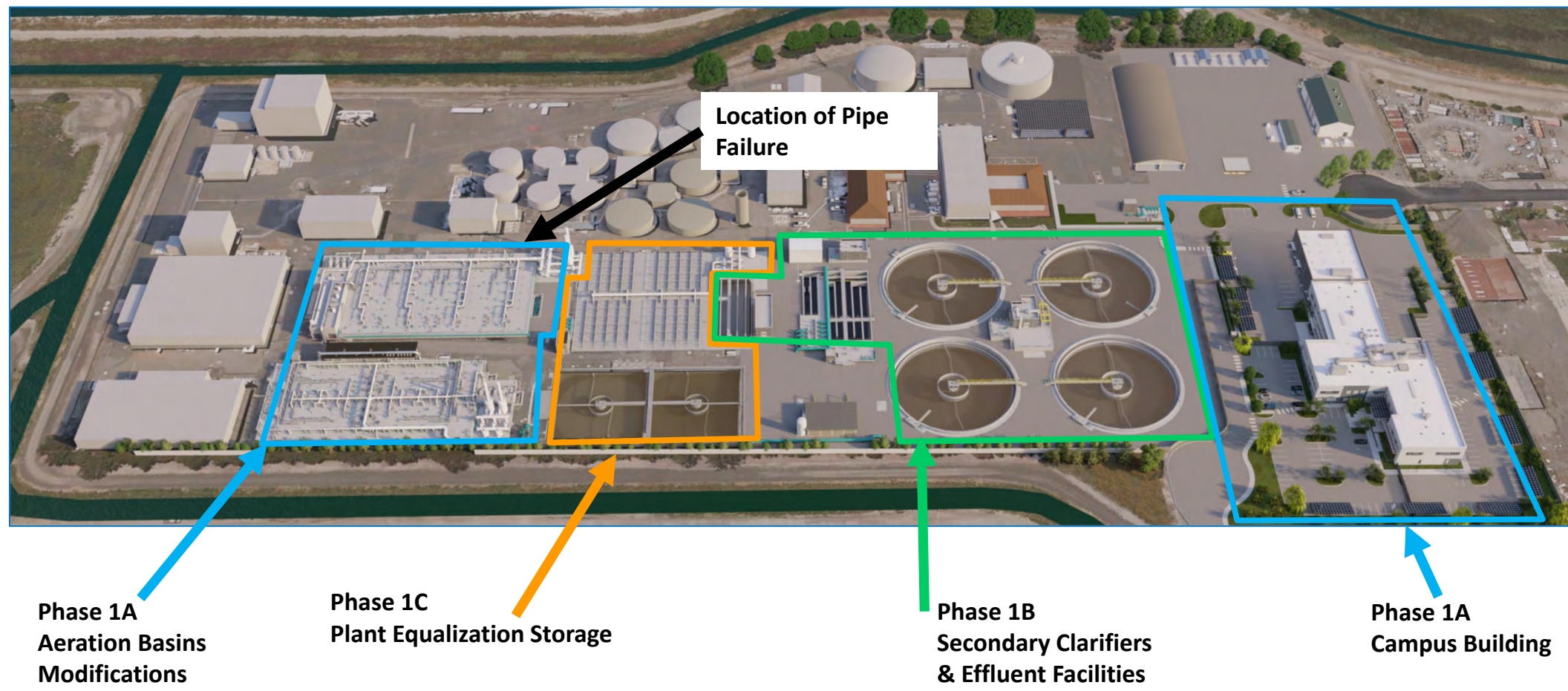
January 10, 2022, the Board Awarded the Construction Contract for the Enhanced Treatment and Site Upgrade Program Phase 1A Aeration Basins Modifications Project to W. M. Lyles Co.

PRE/RP/GC

Attachments:

- Figure 1: ETSU Program – Phase 1 Project Locations
- Figure 2: Map of pressurized onsite drainage pipeline
- Figure 3: Photo of failed pipeline
- CCO #23: Thickener overflow line repairs
- Table 1: Summary of contract change orders to date

# Figure 1: ETSU Program – Phase 1 Project Locations



**Phase 1A  
Aeration Basins  
Modifications**

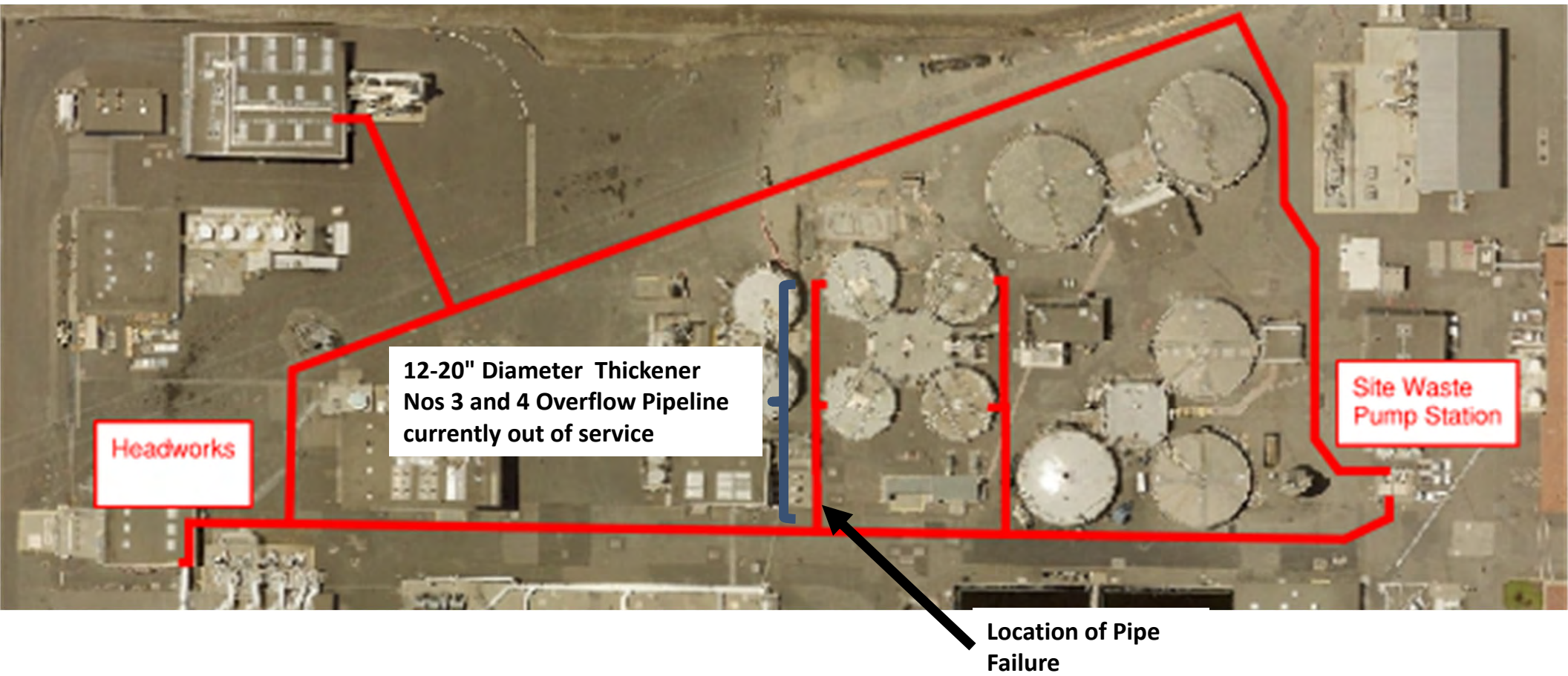
**Phase 1C  
Plant Equalization Storage**

**Phase 1B  
Secondary Clarifiers  
& Effluent Facilities**

**Phase 1A  
Campus Building  
& Effluent Facilities**



**Figure 2: Existing Pressurized On-site Drainage Pipeline**



**Figure 3: Existing Pressurized On-site Drainage Pipeline Failure**



## CONTRACT CHANGE ORDER No. 023

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### Enhanced Treatment and Site Upgrade Phase 1A – Aeration Basin Modifications Project

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**ITEM: Thickener 3 & 4 Overflow Line Replacement**

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 or comply with the terms and obligations of this Contract Change Order (CCO). 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 CCO.

**DESCRIPTION OF CHANGE:**

This Change Order includes all costs associated with the Thickener 3 & 4 overflow line failure, temporary bypass and replacement.

As detailed in Field Order No. 33, the Contractor shall provide the necessary labor, equipment, material and shoring to excavate and expose the failed 20-inch Thickener 3 & 4 overflow line in the center road, east of new Aeration Basin No. 8. Contractor shall fully expose the connection between the 20-inch Thickener overflow line and the 30-inch Site Waste line and cut out the portion of 20-inch steel pipe that has failed due to corrosion. Contractor shall then weld on new but strap and blind flange to allow the 30-inch Site Waste line to be returned to service.

As detailed in Field Order No. 35, the Contractor shall install a 10-inch, schedule 40 PVC temporary bypass line from the Thickener No. 4 discharge header to the sanitary sewer manhole located east of Secondary Clarifier No. 1 to allow the thickener to return to active service. Upon restoration of the 15-inch Waste Drain Line, on December 8, 2023, the Contractor shall relocate the discharge of the temporary 10-inch bypass to the new manhole south of Substation 1 to reduce impact to the Center Road. The Contractor shall remove and disassemble the temporary bypass in its entirety once the new permanent line has been installed.

As detailed in Field Order No. 44 and RFQ 37.1, the Contractor shall expand the existing excavation to remove the remaining corroded thickener piping and provide and install new SDR 17 HDPE pipe between the 30-inch Site Waste line and the remaining thickener line. The Contractor shall provide all necessary flanges, couplings, fittings, reducers and hardware to route the new HDPE pipe between the existing utilities. Contractor shall utilize CLSM for backfill at utility crossing with reduced separation. Contractor shall provide and install new cathodic protection between the existing Thickener line and Site Waste line to maintain continuity between the piping systems. This change order compensates the Contractor for all its additional work caused as a result of the failure of the existing pipeline on August 2, 2023, and their response to it at the District's direction.

**REFERENCES:** Field Order No. 33  
Field Order No. 35  
Field Order No. 44 & Request for Quotation No. 37.1  
Potential Change Order No. 84.2  
Potential Change Order No.91.0  
Potential Change Order No. 98.1

**ATTACHMENTS:** CCO 023 Thickener 3 & 4 Line Replacement SK-1

**COST OF CHANGE: \$137,166.00**

**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 and amends 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.

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**ACCEPTED:**

**W.M. Lyles Co.**  
Contractor:

By: \_\_\_\_\_  
Anthony Mueller

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

---

**RECOMMENDED FOR ACCEPTANCE:**

**Psomas**  
Construction Manager:

By: \_\_\_\_\_  
Mike Redig, P.E.

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

**Union Sanitary District**  
ETSU Program Manager:

By: \_\_\_\_\_  
Ric Pipkin, 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: \_\_\_\_\_

**TABLE 1**  
**ETSU PHASE 1A AERATION BASIN MODIFICATIONS PROJECT**  
**EXECUTED CHANGE ORDER SUMMARY**  
**JANUARY 22, 2024**

<b>No.</b>	<b>Status</b>	<b>Contract Change Order Title</b>	<b>Contract Time Adjustment, Calendar Days</b>	<b>Cost of Change</b>
1	Executed	Access to ACFC & WCD land	0	\$(17,800.00)
2	Pending	Not used	N/A	N/A
3	Executed	Blower pressure gauge delete	0	\$(1,019.00)
4	Executed	Programmable Logic Controller (PLC) Processor model change	0	\$4,334.00
5	Executed	12kv switchgear building changes	0	\$23,000.00
6	Executed	Transformer and ductbank 19 & 20 route and material changes	0	\$0
7	Pending	Not used	N/A	N/A
8	Executed	Additional stockpile locations	0	\$0
9	Pending	Not used	N/A	N/A
10	Executed	Change basin epoxy coating to polyurethane	0	\$(70,000.00)
11	Executed	Electrical conduit changes on top of basins	0	\$(43,010.50)
12	Executed	Basin 5-8 slab modifications	0	\$5,902.99
13	Executed	Reclaim water pipe leak investigation and repair	0	\$37,750.65
14	Executed	Scrubber fan 3 conduit reroute	0	\$6,451.01
15	Executed	Water line reroute at secondary clarifier 1	0	\$5,282.33
16	Executed	Excavation for 12" elutriation pipeline	0	\$7,902.11
17	Executed	Remove existing and install temporary lighting on east side of Basins 1-4	0	\$1,549.00

ETSU Phase 1A AB Mods Project Executed Change Order Summary

Meeting of January 22, 2024

Page 2

18	Executed	Additional rebar at wall intersections of basin 1-4	0	\$4,768.05
19	Executed	Lift pump guard and oiler, modifications and pump 2 repairs	0	\$38,449.83
20	Executed	West blower building replacement louver	0	\$32,502.66
21	Executed	Basin 5&6 effluent weir plates	0	\$11,348.27
22	Executed	Anode tracing		\$5,379.00
23	Proposed	Thickener overflow line repairs	0	\$137,166
24	Proposed	Temporary Campus power	0	\$241,698
<b>Total</b>				\$ 431,654.40
<b>Original Contract Amount</b>				\$121,040,200.90
<b>Proposed Revised Contract Amount</b>			0.4% of contract amount	\$121,471,855.30



**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 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM # 10**

**TITLE:** Consider a Resolution to Accept the Construction of the East Warren Avenue Sanitary Sewer Replacement Project from McGuire and Hester (*This is a Motion Item*)

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Raymond Chau, Technical Services Work Group Manager  
Richard Thow, Customer Service Team Coach  
Andrew Baile, Assistant Engineer

**Recommendation**

Staff recommends the Board consider a resolution to accept the construction of the East Warren Avenue Sanitary Sewer Replacement Project (Project) from McGuire and Hester and authorize recordation of a Notice of Completion.

**Discussion**

On September 11, 2023, the Board awarded the construction contract for the Project to McGuire and Hester in the amount of \$224,150. Staff issued the Notice to Proceed on September 21, 2023. The 45-day project was scheduled to be completed on November 4, 2023. McGuire and Hester completed the Project on November 2, 2023.

A description of the scope for the Project is included in the Background section of the report. Refer to Figures 1 and 2 for the Project site plans and Figures 3 through 7 for photos of the work.

**Contract Change Orders**

The Project included two contract change orders (CCOs) in the credit amount of \$4,571.04 which is approximately -2% of the original contract amount. A summary of the CCOs is provided below:

1. CCO No. 1 was in the amount of \$3,150.80. The purpose of this CCO was for unforeseen site conditions. During exploratory excavation to locate the sewer main on the property,

the contractor encountered three 2-inch conduits and a 1.5-inch water line that conflicted with the excavation. Utilities were unmarked and not shown on the developer's plans. Additional labor was required to safely hand dig around the utilities.

2. CCO No. 2 was in the credit amount of \$7,721.84. The Project included a \$15,000 bid allowance to rehabilitate the backfill around an existing manhole G24006. The contractor installed plastic sheeting and sandbags to protect the area during the wet weather season. The cost of the long-term protective measures were significantly higher than the bid allowance amount and will therefore be included in a future sewer rehabilitation/replacement project. The unused portion of the bid allowance was credited back to the District in this change order.

### **Background**

The parcel at 800 East Warren Avenue is currently being developed for a 3,500 square-foot single family home and an attached Accessory Dwelling Unit (ADU). The parcel is located on a hillside and is generally sloped to the west to southwest direction. The parcel includes existing easements for a USD sewer main and manhole, City of Fremont storm drain pipeline, PG&E electrical facilities, and two existing City of Fremont slope easements located on the southwestern portion of the parcel that is adjacent to Caltrans right-of-way.

The home and attached ADU are constructed on the northeastern portion of the parcel that is adjacent to East Warren Avenue. However, the new concrete driveway was planned to be constructed directly over the USD sewer easement.

The sewer easement was granted to USD in 1977 and allows USD access "for constructing, cleaning, repairing and maintaining said sanitary sewer appurtenances." An existing sanitary sewer main and sewer manhole are located within the sewer easement area. The easement allows the property owner to construct a driveway.

With construction of the new driveway, USD's Collection Services crews can still utilize the sewer easement to access the sewer manhole for maintenance activities. Because the location of this manhole is in a sloped terrain, USD's crews currently do not drive large vehicles, such as the vactor truck and CCTV van, to the manhole. Instead, USD can clean and CCTV the sewer main from the upstream manhole located in the intersection of East Warren Avenue and Yakima Drive. If necessary, USD's access to the manhole will be either with a pickup truck or by foot.

### **City of Fremont Storm Drain Easement**

In May 1992, the City of Fremont passed a resolution which mandated that if the parcel were to be developed, the developer/owner would be required to provide an alternative access easement to the City of Fremont to access the existing storm drain outfall located at the northern portion of the parcel.



Because the owner's new driveway will cross over the City of Fremont's storm drain easement, the owner has granted the City a new access easement located along the southwestern property line of the parcel. USD does not currently anticipate a need for this new access easement. However, if there is a need to utilize the new access easement in the future, USD could ask the City of Fremont to access it under the City's grant of easement or negotiate a grant of easement with the owner.

### Project Scope

Given that the construction of the driveway will cross the sewer easement and main in two locations, staff thought it would be prudent to replace the sewer main now. Even though the original pipe was in good condition, if USD were to replace it in the future, USD could incur additional costs to repair or replace the driveway, future landscaping, and/or other site improvements located over the easement.

At the July 31, 2023 meeting, the Board directed staff to replace the pipe. At the August 14, 2023 meeting, the Board authorized expenditures up to \$267,046 from the CIP reserves for the Project.

The Project consisted of the following:

- Replace 240 feet of 8-inch clay pipe with 8-inch PVC pipe by open-cut method.
- Modify the downstream sewer manhole J23011 for new pipe penetration and rechanneling.
- Provide sanitary sewer flow control to facilitate the replacement work.
- Rehabilitate the backfill around an existing manhole G24006 located within an easement on private property approximately 0.5 mile west of the Woodside Terrace cul-de-sac in the City of Fremont. During the winter rainstorms of 2022/2023, soils on the downhill side of the manhole were washed out causing a soil slide which exposed the top four feet of the manhole barrel. Staff hired a geotechnical consultant to evaluate the situation and recommend immediate restoration of soils around the manhole as well as long-term protective measures to prevent a repeat occurrence during future rainstorms.

USD provided construction management and inspection services for the Project.

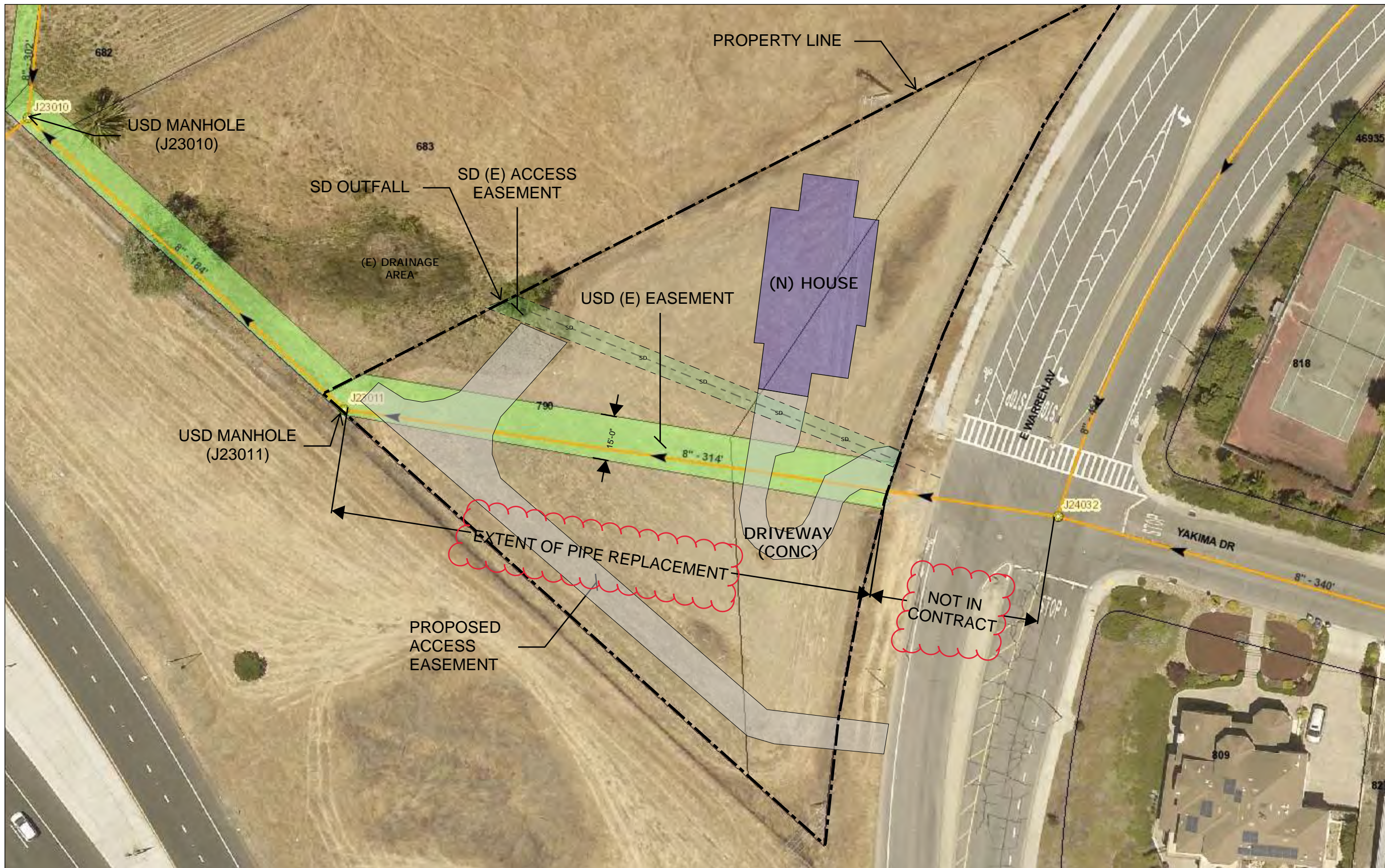
### **Previous Board Action**

July 31, 2023 – The Board received information and directed staff to replace the sanitary sewer main located on the parcel at 800 East Warren Avenue in the City of Fremont.

August 14, 2023 – The Board authorized expenditures of up to \$267,046 from the CIP reserves for the East Warren Avenue Sanitary Sewer Replacement Project.

September 11, 2023 – The Board awarded the construction contract for the East Warren Avenue Sanitary Sewer Replacement Project to McGuire and Hester in the amount of \$224,150.

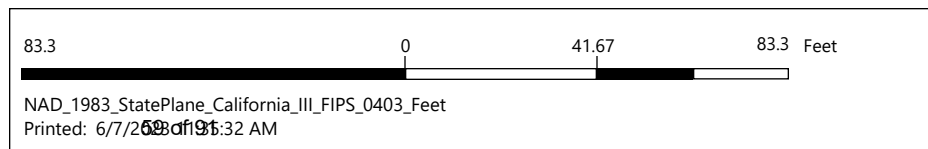
Attachments:     Figure 1 – Site Plan – East Warren Avenue  
                      Figure 2 – Site Plan – Manhole G24006  
                      Figures 3 through 7 – Photos  
                      Table 1 – CCO Summary  
                      Resolution  
                      Notice of Completion



### Legend

- Sewer Sheet Pile History**
- Sewer Manholes**
  - Weir
  - Drop manhole
  - End Cap
  - Forcemain access
  - Forcemain air release
  - Forcemain blow off
  - Junction structure
  - Lamp hole
  - Lift station
  - Manhole
  - Pump Station
  - Riser
- Sewer Mains**
  - <all other values>
  - EBDA outfall
  - Forcemain
  - Gravity main
  - Overflow main
  - Siphons
  - Trunk Main
- Railroad / BART**
  - <all other values>
  - BART
- Public Right of Way**
- Private Right of Way**
- Sewer Easements**
- Parcels**
  - <all other values>
  - Alameda Cnty Flood Cntrl
  - Bodies of Water

1: 500



**For USD use only**

*The information on this map is provided by Union Sanitary District (USD) for internal use only. Such information is derived from multiple sources which may not be current, be outside the control of USD, and may be of indeterminate accuracy. The information provided hereon may be inaccurate or out of date and any person or entity who relies on said information for any purpose whatsoever does so solely at their own risk.*

**Notes**

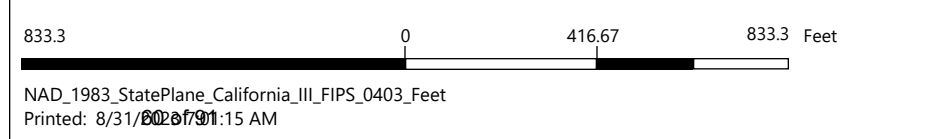
This map was automatically generated using Geocortex Essentials.



**Legend**

- Sewer Sheet Pile History
- Sewer Manholes**
  - Weir
  - Drop manhole
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  - Forcemain access
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  - <all other values>
  - EBDA outfall
  - Forcemain
  - Gravity main
  - Overflow main
  - Siphons
  - Trunk Main
- Railroad / BART**
  - <all other values>
  - BART
- Public Right of Way**
  - Public Right of Way
  - Private Right of Way
- Parcels**
  - <all other values>
  - Alameda Cnty Flood Cntrl
- Bodies of Water**
  - Bodies of Water
- City Boundary**
  - <all other values>
  - Fremont
  - Newark
  - Union City

1: 5,000



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**Notes**



Figure 3 - 800 East Warren Avenue Driveway - Looking North



Approximate  
Alignment of  
USD Sewer  
Main

Figure 4 - 800 East Warren Avenue Driveway - Looking West



Figure 5 - Manhole G24006 - Before Installation of Slope Protection - Looking North



Figure 6 - Manhole G24006 - Before Installation of Slope Protection  
- Looking South



Figure 7 - Manhole G24006 - Temporary Slope Protection - Looking North



**Table 1**

**East Warren Avenue Sanitary Sewer Replacement Project  
Contract Change Order Summary**

<b>No.</b>	<b>Change Order Description</b>	<b>Contract Time Adjustment, Calendar Days</b>	<b>Amount</b>
1	Unforeseen Site Conditions	0	\$3,150.80
2	Reconciliation of Rehabilitation of Existing Manhole Bid Item	0	(\$7,721.84)
	<b>Total</b>	<b>0</b>	<b>(\$4,571.04)</b>

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

**ACCEPT CONSTRUCTION OF THE  
EAST WARREN AVENUE SANITARY SEWER REPLACEMENT PROJECT  
LOCATED IN THE CITY OF FREMONT, CALIFORNIA  
FROM MCGUIRE AND HESTER**

RESOLVED, by the Board of Directors of the UNION SANITARY DISTRICT that it hereby accepts the East Warren Avenue Sanitary Sewer Replacement Project from McGuire and Hester, effective January 22, 2024.

FURTHER RESOLVED: That the Board of Directors of the UNION SANITARY DISTRICT authorize the General Manager/District Engineer, or his designee, to execute and record a "Notice of Completion" for the Project.

On motion duly made and seconded, this resolution was adopted by the following vote on January 22, 2024:

AYES:

NOE:

ABSENT:

ABSTAIN:

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MANNY FERNANDEZ  
President, Board of Directors  
Union Sanitary District

Attest:

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TOM HANDLEY  
Secretary, Board of Directors  
Union Sanitary District



**RECORDING REQUESTED BY  
AND WHEN RECORDED  
RETURN TO:**

**Regina McEvoy  
Union Sanitary District  
5072 Benson Road  
Union City, CA 94587**

NO RECORDING FEE – PER GOVERNMENT CODE SECTIONS 6103 & 27283 (R&T Code 11911)

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**NOTICE OF COMPLETION**

**NOTICE IS HEREBY GIVEN** by the **UNION SANITARY DISTRICT**, Alameda County, California, that the work hereinafter described, the contract for the construction of which was entered into on September 13, 2023, by said District and **MCGUIRE AND HESTER**, 2810 Harbor Bay Parkway, Alameda, CA 94502, Contractor for the Project, “East Warren Avenue Sanitary Sewer Replacement Project,” was substantially completed on November 2, 2023, and accepted by said District on January 22, 2024.

The name and address of the owner is the **UNION SANITARY DISTRICT**, at 5072 Benson Road, Union City, CA 94587.

The estate or interest of the owner is: FEE SIMPLE ABSOLUTE.

The description of the site where said work was performed and completed at two locations in the City of Fremont, County of Alameda, State of California.

The undersigned declares under penalty of perjury that the foregoing is true and correct.

Executed on \_\_\_\_\_ at UNION CITY, CALIFORNIA.

\_\_\_\_\_  
PAUL R. ELDREDGE, P.E.  
GENERAL MANAGER/DISTRICT ENGINEER  
UNION SANITARY DISTRICT



**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 22, 2024  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM #11**

**TITLE:** **Board Expenses for 2<sup>nd</sup> Quarter of Fiscal Year 2024 (*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 2<sup>nd</sup> quarter of Fiscal Year 2024.

**BOARD OF DIRECTORS**  
**QUARTERLY TRAVEL AND TRAINING EXPENDITURE REPORT**  
**2ND QTR, FISCAL YEAR 2024**

Board Members	Description	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Beginning Balance	Y-T-D Expense	Balance Available
FERNANDEZ, MANNY								
	<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12400.00</b>	<b>0.00</b>	<b>12400.00</b>
HANDLEY, TOM								
	<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12400.00</b>	<b>0.00</b>	<b>12400.00</b>
HARRISON, JENNIFER								
	<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12400.00</b>	<b>0.00</b>	<b>12400.00</b>
KITE, PAT								
	<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12400.00</b>	<b>0.00</b>	<b>12400.00</b>
LATHI, ANJALI								
	<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>12400.00</b>	<b>0.00</b>	<b>12400.00</b>
	<b>GRAND TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>62000.00</b>	<b>0.00</b>	<b>62000.00</b>

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



**USD** TREAT  
PROTECT  
PRESERVE  
est. 1918  
**TRI-CITY WASTEWATER**

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
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**Officers**  
Paul R. Eldredge  
*General Manager/  
District Engineer*

Karen W. Murphy  
*Attorney*

**JANUARY 22, 2024  
BOARD OF DIRECTORS  
MEETING AGENDA ITEM #12**

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

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer  
Mark Carlson, CFO, Business Services 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 first quarter of FY 2024. This covers transactions from the CAL-Card billing period September 22, 2023 through December 21, 2023. During this quarter, we had 334 transactions totaling \$137,634.60.

**Previous Board Action**

None.

**Attachments**

Union Sanitary District Cal-Card Report.

**Union Sanitary District Cal-Card Report  
FY24 Q2**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Gardner Denver	Air filters for Blowers 7 & 8 silencer for ETSU program	\$6,310.18	10/12/2023	ETSU	ETSU
Abacus Products	Annual Employee Recognitions Items	\$4,504.80	11/16/2023	GM	GM
SMRP	SMRP Conference Registration	\$4,365.00	9/26/2023	FMC	Mech
Control Technologies Inc.	Siemens PLC communication card	\$3,014.35	12/21/2023	FMC	FMC
Hotels.com	Hotel for SMRP Conference	\$2,890.74	9/26/2023	FMC	Mech
Hotels.com	Hotel Accomodations for SMRP for 3 FMC mechanics	\$2,814.87	9/27/2023	FMC	Mech
4imprint	Apparel Order	\$2,701.77	11/7/2023	GM	GM
Granite Rock	Granite Patch for MH Paving	\$2,675.26	10/19/2023	CS	CT
RealTruck.com	Tonneau Cover	\$2,524.00	10/23/2023	CS	ST
Radwell	Refurbished circuit boards	\$2,085.62	9/25/2023	FMC	FMC
Marshall Environmental Training & Consulting (METC)	Workshop: Using the Microscope to Evaluate Process (January 9 & 10, 2024)	\$2,000.00	12/21/2023	T&D	R&S
SMRP	SMRP Courses	\$1,925.00	9/28/2023	FMC	Mech
4imprint	Longevity Items	\$1,860.69	10/23/2023	GM	GM
Payroll.org	Training	\$1,755.00	9/25/2023	BS	FAST
Rockit Prints	Collections/USD Apparel	\$1,664.57	11/10/2023	CS	CS
Red Kap (Workwear Outfitter)	Collections Coveralls	\$1,613.38	10/17/2023	CS	CS
Abacus Products	Annual Employee Recognitions Items	\$1,584.29	11/16/2023	GM	GM
Elite Metal Tools	20" Floor Buffer	\$1,544.97	10/24/2023	CS	ST
Celebration Party Equipment Rentals, Inc.	BBQ Supplies (rental equipment)	\$1,487.37	10/9/2023	GM	GM
Wagner Hydraulic	Mix Pump	\$1,410.75	9/28/2023	FMC	FMC
Abacus Products	Jackets for Apparel Order	\$1,366.86	12/11/2023	GM	GM
American Payroll Association	Renewal and subscription	\$1,343.00	10/6/2023	BS	FAST
Marlen Supply	Pressure washer trailer repairs	\$1,218.81	11/13/2023	CS	ST
Naylor Steel	16 gauge SS steel sheet	\$1,180.95	10/26/2023	FMC	FMC
Costco	BBQ Supplies (meat, drinks, bread, spices)	\$1,157.56	10/9/2023	GM	GM
Monterey Marriott	CALPELRA Conference Lodging	\$1,156.26	11/14/2023	BS	BS
Southwest Valve	Model 43 Rotery Float Pilot	\$1,150.85	11/28/2023	FMC	FMC
Pollaedwater	6" and 8" Debris Bskt	\$1,147.17	11/1/2023	CS	MTV
CNI	Fuel Island Retractors	\$1,144.86	10/25/2023	CS	ST
Peterson CAT	Canopy, M6345	\$1,087.51	10/12/2023	CS	ST
SP Scientific	Condensors (2)	\$1,054.71	10/11/2023	T&D	R&S
Apec	Water filters for dispensers	\$1,028.70	11/21/2023	CS	CS
Dell	SCADA view node	\$998.52	10/15/2023	FMC	IT
Dell	SCADA view node	\$998.52	10/15/2023	FMC	IT
APHA	Standard Methods on-line	\$995.00	10/24/2023	T&D	T&D
CDWG	Camtasia 2023/2024_BS	\$993.00	11/3/2023	FMC	IT
Dell	4 Dell P1917S monitors	\$981.35	10/14/2023	FMC	IT
BPH Pump	Buna Piston Kit	\$972.35	9/29/2023	FMC	FMC
Dell	Dell 19S monitors	\$959.36	11/26/2023	FMC	IT
Dell	Dell 19S monitors	\$959.36	11/27/2023	FMC	IT
Bestbuy	TV Replacement_CS	\$947.36	11/14/2023	FMC	IT

**Union Sanitary District Cal-Card Report  
FY24 Q2**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
BAAMQD	Bay Area Air Quality Management District Permit	\$935.00	10/26/2023	ETSU	ETSU
CDWG	Printer Lab Replacement	\$920.07	12/4/2023	FMC	IT
Residence Inn	Instrumentation Training Class	\$900.35	10/22/2023	FMC	Elect
Residence Inn	Instrumentation Training Class	\$900.35	10/22/2023	FMC	Elect
Dell	Dell Monitor	\$890.16	12/13/2023	FMC	IT
Western States	Power tool - HEPA filter	\$884.73	10/18/2023	CS	CT
Hach	Chlorine Block	\$862.75	10/23/2023	FMC	FMC
Nothing Bundt Cakes	Desserts for BBQ	\$849.00	10/6/2023	BS	OST
CWEA	Northern Safety Day Registration	\$840.00	10/26/2023	CS	CS
Abacus Products	Jackets for Longevity gifts	\$820.12	12/11/2023	GM	GM
Home Depot	Concrete, pallet charge, Ratchet straps	\$789.24	11/1/2023	CS	CT
Weck Laboratories	Volatile analyses	\$780.00	9/26/2023	T&D	R&S
Morse Hydrau	Hose and Fittings	\$750.23	10/17/2023	FMC	FMC
WST&S	Battery tool and harness	\$745.79	12/5/2023	CS	CT
NSI Lab Solutions	Lab Parts	\$739.00	10/24/2023	T&D	R&S
Red Kap	Coveralls	\$737.50	10/5/2023	CS	CS
Alaska Airlines	Flight to SMRP	\$722.80	9/29/2023	FMC	Mech
Alaska Airlines	Flight to SMRP	\$722.80	9/29/2023	FMC	Mech
Alaska Airlines	Flight to SMRP	\$722.80	9/29/2023	FMC	Mech
IDEXX	Bacteria standards	\$715.85	11/6/2023	T&D	R&S
CARB - Clean Truck Check	2023 Compliance Fee	\$710.63	12/7/2023	CS	CS
Marlen Supply	Covered storage hot pressure washer service call	\$709.01	10/4/2023	CS	ST
ERA	PT samples	\$695.88	11/30/2023	T&D	R&S
NSI	PT samples	\$683.00	12/4/2023	T&D	R&S
Schwalm USA	Robotic cutter parts	\$661.37	12/18/2023	CS	CT
Amazon	Water filters	\$656.46	11/29/2023	CS	CS
Cole-Parmer	Battery powered stirrers	\$603.97	9/22/2023	T&D	R&S
IDEXX	Colilert media	\$603.67	10/19/2023	T&D	R&S
City of Newark	Fees for USD Open Trench Repairs - City of Newark	\$600.00	11/27/2023	CS	CS
CalGovHR	2024 Conference Registration	\$599.00	11/7/2023	BS	BS
Peninsula Messenger Service	Delivery Sample Gas	\$597.57	12/8/2023	T&D	R&S
Best Buy	LG-65" Class UQ75 Series LED 4K UHD Smart webOS TV w/ 5-year Standard Geek Squad Protection for the Gym	\$594.35	11/28/2023	Exercise Comm.	Exercise Comm.
IDEXX	Microbiology media	\$584.32	12/1/2023	T&D	R&S
Peninsula Messenger Service	Delivery Sample Gas	\$583.50	12/8/2023	T&D	R&S
The Construction Zone	Digital Print Decals - Water Drop	\$576.19	11/29/2023	GM	GM
BestBuy	Keyboard and Headset Stock	\$570.28	12/19/2023	FMC	IT
American Airlines	Flight for ELT Workshop	\$562.40	12/20/2023	TS	CIP
Payroll.org	Preparing for year end and 2024 course	\$560.00	11/9/2023	BS	FAST
ERA	Metals standard	\$549.83	12/13/2023	T&D	R&S
ZipRecruiter	Monthly Subscription	\$549.00	9/28/2023	BS	OST
ZipRecruiter	Monthly Subscription	\$549.00	10/28/2023	BS	OST



**Union Sanitary District Cal-Card Report  
FY24 Q2**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
ZipRecruiter	Monthly Subscription	\$549.00	11/28/2023	BS	OST
The Construction Zone, Inc.	Renewable Energy Vehicle Decals	\$548.08	11/7/2023	CS	ST
PAAEL	On-line data integrity training	\$520.20	10/5/2023	T&D	R&S
Realtruck	Steps, T1360	\$515.29	10/17/2023	CS	ST
IDEXX	Bacteria standards	\$515.11	11/7/2023	T&D	R&S
AJ Autoglass	Windshield, T3343	\$499.99	10/27/2023	CS	ST
Redkap	Coveralls for FMC pump stations	\$496.05	12/18/2023	FMC	FMC
Habibi's Birria #2	Appreciation Lunch for BBQ Committee	\$471.20	11/10/2023	GM	GM
Walmart	Tires, T1337	\$467.72	11/9/2023	CS	ST
EZPAY	Register Trailer for Multiquip Portable Generator Trailer (Hansen ID #E5396)	\$463.50	12/14/2023	TS	CIP
Walmart	Tires, T1303	\$455.74	10/3/2023	CS	ST
TEC Associates	Draeger Calibration Adapters	\$446.69	10/30/2023	FMC	FMC
CWEA	Safety Days	\$440.00	10/12/2023	FMC	Elect
Rockauto	Parts, P8365	\$427.19	11/16/2023	CS	ST
Cole-Parmer	Battery powered stirrers	\$417.50	9/22/2023	TS	EC
Eagle Wings	Confined Space Training	\$415.00	10/9/2023	FMC	Mech
Zoom	District Zoom subscription	\$414.69	10/17/2023	FMC	IT
Zoom	District Zoom subscription	\$414.69	11/17/2023	FMC	IT
Zoom	District Zoom subscription	\$414.69	12/17/2023	FMC	IT
Alaska Air	Alaska Airlines Flight - SFO to DCA 1/22/24 to 1/24/24	\$407.79	12/4/2023	TS	CIP
Holiday Inn Express	Hotel for Board Clerk Conference	\$405.90	11/8/2023	TS	EC
YourMembership	Sr. Process Engineer Job Posting on AWWA	\$399.00	11/16/2023	BS	OST
Chemetrics	Ammonia test kits	\$389.31	10/9/2023	T&D	R&S
WebstaurantStore	Regency 30" x 48" 16-Gauge Stainless Steel Commerical Work Table w/ 4" Backsplash and Undershelf	\$388.06	10/4/2023	T&D	TPO
YourMembership	Sr. Process Engineer Job Posting on WEF	\$379.00	11/14/2023	BS	OST
Costco	BBQ Supplies (sides)	\$376.50	10/9/2023	GM	GM
DUO	MFA	\$375.00	9/25/2023	FMC	IT
NASSCO, Inc.	NASSCO Self-paced ReCert	\$375.00	9/26/2023	CS	CT
DUO	MFA	\$375.00	10/24/2023	FMC	IT
DUO	MFA	\$375.00	11/23/2023	FMC	IT
CDWG	Printer_CS Truck	\$374.92	11/29/2023	FMC	IT
Amazon	Handheld Scanner - Lab	\$372.12	10/6/2023	FMC	IT
WEF	WEF Membership Renewal	\$361.00	9/26/2023	FMC	FMC
WEF	WEF Membership	\$361.00	12/18/2023	TS	CIP
IDEXX	Bacteria standards	\$357.93	10/3/2023	T&D	R&S
Supply House	HVAC actuator for manual office fans	\$350.86	9/28/2023	CS	ST
CWEA	CWEA Career Fair Booth	\$350.00	12/1/2023	ETSU	ETSU
Global Industrial	Mobile Height Adjustatble Laptop Workstation; Item #670061	\$335.51	10/5/2023	T&D	R&S

**Union Sanitary District Cal-Card Report  
FY24 Q2**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
PayrollOrg	Membership	\$333.00	10/31/2023	BS	FAST
Amazon	Headset - Stock	\$332.22	10/4/2023	FMC	IT
Walmart	Tires, T1372	\$325.42	11/10/2023	CS	ST
CALPELRA	Professional Development	\$325.00	12/12/23	BS	BS
AWWA	Renew AWWA Membership	\$321.00	12/22/2023	BS	OST
Print-2-Mail	Tax Forms	\$319.39	9/22/2023	BS	BS
Global Test Supply	Sulfide Test Kit	\$301.93	12/20/2023	T&D	R&S
CWEA	CWEA Membership Renewal	\$296.00	10/2/2023	FMC	Elect
WEF	WEF Membership Renewal	\$296.00	12/21/2023	ETSU	ETSU
Alaska Airlines	Flight to SMRP	\$288.29	9/29/2023	FMC	Mech
Alaska Airlines	Flight to SMRP	\$288.29	9/29/2023	FMC	Mech
Alaska Airlines	Flight to SMRP	\$288.29	9/29/2023	FMC	Mech
Amazon	BBQ Supplies (2 cornhole games)	\$287.92	9/26/2023	GM	GM
Chipotle	Food for Q3 IAC Meeting	\$277.19	9/29/2023	TS	EC
Niles Pie Company	Social Committee Winter Event - Food	\$276.88	12/6/2023	GM	GM
Lowe's	Landscape blocks, caps, glue	\$276.12	11/20/2023	CS	CT
California Association of Public Information Officials	Membership dues	\$275.00	12/20/2023	TS	CST
Ferguson HVAC	HVAC 70 MRR fan and 82 Ducting	\$255.65	10/18/2023	CS	ST
NeoGov	Job boost for the position of FMC Coach on ZipRecruiter via NeoGov	\$249.00	12/7/2023	BS	OST
NeoGov	Job boost for the position of Sr. Process Engineer on ZipRecruiter via NeoGov	\$249.00	12/7/2023	BS	OST
Amazon	3 pairs of Microsoft headphones	\$246.30	10/6/2023	FMC	IT
Safety Center	Safety Center Excavation Competent Person	\$245.00	10/31/2023	TS	CIP
OPE Engines	Parts for shop truck air compressor	\$235.97	11/21/2023	CS	ST
Hello Flowers	Magnificent Life Spray Flowers	\$235.29	12/6/2023	T&D	T&D
Amazon	Steering Wheel, T1360	\$234.79	10/25/2023	CS	ST
RDO	RDO for CS poles for plugging site waste	\$227.48	10/4/2023	CS	MTV
Chipotle Mexican Grill	Lunch for Mgmt Meeting	\$224.27	12/13/2023	BS	BS
CWEA	Membership Fee	\$221.00	9/25/2023	TS	EC
CWEA	CWEA Membership	\$221.00	10/26/2023	TS	EC
CWEA	CWEA Membership	\$221.00	10/24/2023	CS	CS
CWEA	CWEA Membership	\$221.00	11/21/2023	TS	CIP
CWEA	CWEA Membership	\$221.00	12/8/2023	TS	EC
GreensNGrills/Doordash	Lunch for Exec Team	\$218.89	12/21/23	BS	BS
DKF Solutions	Spill Reporting Training Class	\$208.00	12/18/2023	CS	CS
Land's End	Polos	\$207.40	12/7/2023	TS	EC
CWEA	Grade 2 Application Fee	\$207.00	9/27/2023	TS	EC
Rosemount Inc.	00216-0355-2075 Pipe fittings kit	\$201.69	12/15/2023	FMC	FMC
BC Water Jobs	Sr. Process Engineer Job Posting - Single Post	\$200.00	11/2/2023	BS	OST
BCWaterJobs	Job posting for EC Inspector	\$200.00	11/28/2023	BS	OST
Togo's	Working Lunch	\$196.84	11/6/2023	GM	GM

**Union Sanitary District Cal-Card Report  
FY24 Q2**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Larson Electronics	LED Warning Light	\$194.35	11/27/2023	FMC	FMC
AMETEK Brookfield North America	Maintenance Parts for Jerome 631-X: Zero Air Filter (Z2600-3905) and Fritware Pk of 20 (2600-3039-PK)	\$193.12	10/10/2023	T&D	TPO
NATEC	Fall Protection	\$190.55	9/29/2023	FMC	Mech
NATEC International	NATEC Confined Space Competent Person Training	\$190.55	10/31/2023	TS	CIP
NATEC International	NATEC Fall Protection Competent Person Training	\$190.55	10/31/2023	TS	CIP
Costco	BBQ Supplies (2 throwing games)	\$188.25	9/26/2023	GM	GM
Industrial Safety	Gloves	\$186.05	11/14/2023	CS	ST
HIVIS & Summit Safety	Safety vest	\$182.30	12/15/2023	FMC	Elect
NFPA	NFPA 70B Book	\$176.04	10/25/2023	FMC	Elect
ESS	Metals bottles	\$168.00	10/27/2023	T&D	R&S
Amazon	Desk for FMC	\$167.22	12/4/2023	FMC	FMC
The Construction Zone	Decals With new USD Logo	\$164.63	11/3/2023	CS	ST
The Condolences Shop	Eternal Friendship Flowers	\$161.58	10/9/2023	T&D	T&D
Print-2-Mail	Tax Forms	\$160.41	12/1/2023	BS	BS
Seat Specialists	Seat Cushions, T3343	\$157.97	11/1/2023	CS	ST
NSI Lab Solutions	Chlorine standards	\$156.00	10/2/2023	T&D	R&S
Power Line Industries	Compressor Water Filter	\$153.34	10/2/2023	FMC	FMC
Chemetrics	Test kits	\$152.16	12/13/2023	T&D	R&S
Togo's	AB Mods Working Lunch	\$151.88	10/12/2023	GM	GM
Ferguson HVAC	HVAC 70 MRR fan and 82 Ducting	\$150.01	10/28/2023	CS	ST
CPSHR Consulting	ChatGPT Level 2 Class Registration for HR	\$150.00	11/1/2023	BS	OST
DKF Solutions Group	Workplace Violence/Active Shooter Awareness Class Registration	\$150.00	11/9/2023	BS	OST
CPSHR	Class registration "ChatGPT Level 2: Beyond the Basics". Class date is 2/8/24	\$150.00	12/6/2023	BS	OST
Costco	Food for Employee Rec BBQ	\$146.35	10/9/2023	GM	GM
Do it Yourself Pest Control	TVC vegetation herbicide	\$145.09	11/22/2023	CS	CT
Capital Survey Supplies	Safety vest	\$143.19	9/26/2023	TS	CST
Nick the Greek	Food for Q1 Team Recognition Lunch	\$142.29	9/26/2023	TS	EC
Cushion Lab	Seat Cushion and back rest	\$140.67	10/2/2023	FMC	Elect
Famous Dave's	Food for Q4 IAC Meeting	\$138.44	12/14/2023	TS	EC
Galco Industrial Electronics	Metal Box with Nylon Angle	\$138.10	11/28/2023	FMC	FMC
The Business Journals	Annual Subscription Renewal for San Francisco Business Times	\$135.00	9/24/2023	GM	GM
Spectro-UV	UV bulbs	\$135.00	12/20/2023	T&D	R&S
Santa Clara Systems	Allen Bradley Strobe Light	\$134.12	12/18/2023	FMC	FMC
Pre Mkt	Fuel Gas	\$131.68	12/13/2023	FMC	FMC
Omega	Thermocouple	\$126.70	11/7/2023	FMC	FMC
NeoGov	Sr. Process Engineer Job Boost on governmentjobs.com	\$125.00	11/6/2023	BS	OST
NeoGov	Maintenance Coach Job Boost on governmentjobs.com	\$125.00	11/6/2023	BS	OST
Pesticide Applicators professional Assoc.	PAPA Seminar Registration	\$120.00	12/5/2023	CS	CT

**Union Sanitary District Cal-Card Report  
FY24 Q2**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Fremont transfer station	Water cooler fridge recycle	\$119.00	12/19/2023	CS	CS
Walmart	Tire, T1337	\$116.93	12/12/2023	CS	ST
RDO	RDO for CS poles for plugging site waste	\$115.18	9/27/2023	CS	CT
The NELAC Institute	Small Lab Guidance	\$115.00	12/13/2023	T&D	R&S
Harbor Freight	Pipe rack for pump trailer	\$114.56	12/6/2023	CS	ST
Target	Ugly Sweater Contest Prize - Beats Headphones	\$109.11	11/27/2023	GM	GM
CWEA	CWEA EC-III certification renewal	\$108.00	11/1/2023	T&D	R&S
Bestbuy	Wired Headset_CS	\$106.29	11/9/2023	FMC	IT
Green Leaf	Dry Clean 3 table cloths	\$105.00	10/13/2023	TS	EC
CWEA	Certificate Renewal	\$103.00	11/21/2023	TS	EC
CWEA	CWEA Certificate	\$103.00	11/29/2023	CS	CS
The Flower Shop	Get-well flowers for team member	\$100.50	11/20/2023	TS	CST
The Business Journal	SF Business Times Subscription	\$100.00	10/7/2023	TS	EC
Togo's	Lunch Items for the ETSU Check In Meeting 10/24/23, 12-1pm	\$99.20	10/24/2023	T&D	T&D
BC Water Jobs	Sr. Process Engineer Job Posting - Featured Job	\$99.00	11/2/2023	BS	OST
DFK Solutions Group LLC	Preparing for Annual Certified Spill Reporting Training	\$99.00	12/7/2023	CS	CS
DFK Solutions Group LLC	Preparing fand Submitting the Annual Report Training	\$99.00	11/7/2023	CS	CS
Costco	Snacks for Board Workshops	\$98.95	9/25/2023	GM	GM
CWEA	CSW Certification Renewal	\$98.00	10/16/2023	CS	CS
CWEA	CSW Certification Renewal	\$98.00	10/16/2023	CS	CS
CWEA	ECl-1 Membership Renewal	\$98.00	12/7/2023	TS	EC
CWEA	Certificate Renewal	\$98.00	11/29/2023	TS	EC
Bronco Billy's Pizza	Lunch Items for R&S Check In Meeting 12/20/23, 12-1pm	\$96.19	12/21/2023	T&D	T&D
Dish Network	Dish Network Monthly Charge	\$91.07	11/2/2023	BS	BS
Dish Network	Dish Network Monthly Charge	\$91.07	12/3/2023	BS	BS
Dept. of Pesticide Regulations and Licensing	DPR test registration	\$90.00	12/8/2023	CS	CT
Zoro.com	CalOSHA Safety Orders Book for Warehouse Team	\$88.59	11/1/2023	CS	CS
BestBuy	Keyboard and Headset Stock	\$88.59	12/20/2023	FMC	IT
LaMotte	Sulfide Test Kit	\$88.40	12/6/2023	T&D	R&S
Seat Specialists	Seat shock kit, T3345	\$86.98	11/7/2023	CS	ST
Amazon	Light bulbs for 2371 and spare	\$86.72	11/6/2023	CS	ST
Quill	EOC Pillows	\$86.37	9/23/2025	BS	BS
Dish Network	Dish Network Monthly Charge	\$86.06	10/3/2023	BS	BS
Arco	Fuel / Gasoline	\$85.41	10/10/2023	FMC	FMC
The Business Journals	The Business Journals subscription	\$80.00	9/29/2023	TS	CST
CWEA	CWEA Career Fair Dinner	\$80.00	11/27/2023	ETSU	ETSU
Don Polvoron Bakery	Social Committee Winter Event - Food	\$76.45	12/14/2023	GM	GM
Liebert Cassidy Whitmore	Webinar registration on HR Legal Update	\$75.00	10/4/2023	BS	BS
The NELAC Institute	TNI membership	\$75.00	12/1/2023	T&D	R&S
The NELAC Institute	TNI membership	\$75.00	12/1/2023	T&D	R&S

**Union Sanitary District Cal-Card Report  
FY24 Q2**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
The NELAC Institute	TNI membership	\$75.00	12/4/2023	T&D	R&S
American Red Cross	First Aid/CPR Training for 2 Collection System Workers	\$72.00	10/30/2023	BS	BS
Pacific Felt	Gasket Material	\$71.99	12/5/2023	FMC	FMC
Smart Signs	Signs for warehouse	\$70.55	9/25/2023	CS	ST
Pesticide Applicators Professional Assoc.	Membership fees	\$70.00	9/27/2023	CS	CT
Allied Auto	O2 sensor, T1374	\$65.16	10/30/2023	CS	ST
Amazon	Office Supplies (wall calendars)	\$63.80	10/6/2023	GM	GM
FMCSA	Query Plan Purchase	\$62.50	12/6/2023	BS	OST
Amazon	HVAC office switch cover plate	\$61.96	10/2/2023	CS	ST
Lowe's	Door Handle, T2371	\$57.55	11/8/2023	CS	ST
Smart & Final	BBQ Supplies (sides and drinks)	\$57.31	10/9/2023	GM	GM
Cartpros	Steering Shaft, C7355	\$57.20	10/31/2023	CS	ST
Lowe's	Roof repair parts and outlet facility	\$56.73	12/21/2023	CS	ST
Amazon	Lock set for Admin north door	\$56.50	10/31/2023	CS	ST
Facebook/Meta	Boosted Posts (Ads)	\$55.00	11/10/2023	GM	GM
Amazon	Water Connector, T2371	\$54.94	11/8/2023	CS	ST
DMV	License Renewal	\$54.12	9/28/2023	CS	ST
Autozone	Refrigerant, P8365	\$52.10	11/30/2023	CS	ST
Bronco Billy's	ETSU 1A Management Lunch	\$52.00	12/6/2023	ETSU	ETSU
Facebook/Meta	Boosted Posts (Ads)	\$50.88	10/10/2023	GM	GM
Pesticide Applicators Professional Association	Training Seminar	\$50.00	11/30/2023	CS	CS
Dept. of Pesticide Regulations and Licensing	DPR test registration	\$50.00	12/18/2023	CS	CT
Core Technologies	Always Up License	\$49.99	12/14/2023	FMC	IT
Home Depot	Water heater parts IPS	\$49.33	12/1/2023	CS	ST
Safeway	Food for Q4 IAC Meeting	\$49.02	12/12/2023	TS	EC
Lowe's	Hand Tools	\$47.58	10/24/2023	CS	ST
Amazon	USB-C Adapter	\$44.28	12/22/2023	FMC	IT
Amazon	Work Lights, T2378	\$44.28	12/17/2023	CS	ST
Lowe's	Blinds for office	\$43.17	11/7/2023	CS	ST
Walmart	Vinegar for Employee Rec BBQ	\$42.56	10/9/2023	GM	GM
B.A. Fastrak	FasTrak Device - Reload	\$40.00	10/3/2023	CS	CS
Land's End	Polo Shirt w/USD Logo	\$39.94	10/10/2023	TS	EC
Lowe's	Broom for Shop	\$35.95	11/21/2023	CS	ST
Lowe's	Saw Blades	\$35.40	11/15/2023	CS	ST
ASCE Library	PDF Purchase: Installation of Gravity Sewers Using Horizontal Directional Drilling (HDD)	\$35.00	12/12/2023	TS	CST
Amazon	Pressure Switch, T2371	\$33.05	11/7/2023	CS	ST
Costco	9 bags of Ice	\$32.79	10/11/2023	CS	CT
Costco	Food for Q3 IAC Meeting	\$32.16	9/27/2023	TS	EC
Amazon	Desk organizer	\$32.11	12/1/2023	T&D	R&S
Autozone	Fuel cap, Trk #T2377	\$31.54	12/20/2023	CS	ST
OWPSACSTATE	OWP Course Enrollment	\$30.00	10/4/2023	TS	CIP

**Union Sanitary District Cal-Card Report  
FY24 Q2**

Vendor's Name	Purchase Description	Total	Transaction Date	Work Group	Team
Lowes	70 MRR Shower	\$28.60	10/2/2023	CS	ST
BAAMQD	Processing Fee fpr BAAMQD for permit	\$27.58	10/26/2023	ETSU	ETSU
Amazon	BBQ supplies (aluminum trays)	\$26.57	9/26/2023	GM	GM
Amazon	CS Safety - Sept.	\$26.57	9/24/2023	CS	ST
Amazon	CS Safety - Nov.	\$26.57	12/6/2023	CS	MTV
Amazon	Grease Boots, P8365	\$25.82	11/22/2023	CS	ST
The Registry News	Event: 2024 Silicon Valley Industry Outlook	\$25.00	10/31/2023	TS	CST
Fastrak	Fastrak Device - Reload	\$25.00	12/7/2023	CS	CS
Lowes	Epoxy for pump trailer	\$23.86	11/16/2023	CS	ST
Lucky	Food for Q1 Team Recog Lunch	\$23.55	9/26/2023	TS	EC
Amazon	CS Safety - Nov.	\$23.26	11/15/2023	CS	ST
Amazon	CS Safety - Oct.	\$22.14	10/31/2023	CS	ST
Lowes	Anchors for shop	\$22.13	12/12/2023	CS	ST
Safeway	Food for Q4 IAC Meeting	\$22.13	12/14/2023	TS	EC
Amazon	CS Safety - Oct.	\$22.11	10/27/2023	CS	MTV
Amazon	CS Safety - Sept.	\$22.09	10/2/2023	CS	MTV
Amazon	Bolt on reflectors	\$22.04	10/6/2023	CS	ST
Walmart	Drip container for lab leak	\$21.88	12/21/2023	CS	ST
Walmart	Red Light Indicators	\$21.57	11/22/2023	FMC	FMC
Ferguson	HVAC for TPO Restroom	\$21.35	10/24/2023	CS	ST
Amazon	CS Safety - Oct.	\$21.03	10/29/2023	CS	CT
Canva	Printing nurse triage cards	\$21.00	10/20/2023	BS	OST
FASTRAK	FASTRAK Violation	\$21.00	11/16/2023	TS	CST
Lucky	Food for Q3 IAC Meeting	\$20.87	9/27/2023	TS	EC
Peterson Power	Radiator Cap	\$20.68	10/10/2023	FMC	FMC
Craftcuts	Veh Numbers	\$19.28	10/23/2023	CS	ST
Amazon	USB Cables for TV Work	\$18.82	9/25/2023	ETSU	ETSU
Autozone	Antenna, T2053	\$18.82	11/10/2023	CS	ST
Amazon	CS Safety - Nov.	\$17.71	12/6/2023	CS	CT
Lowes	Pest trap for warehouse	\$17.68	11/24/2023	CS	ST
USPS	Package to EBDA	\$17.10	12/19/2023	GM	GM
Amazon	Amazon Prime Membership	\$16.60	10/21/2023	CS	ST
Amazon	Amazon Prime Membership	\$16.60	11/21/2023	CS	ST
Amazon	Amazon Prime Membership	\$16.60	12/21/2023	CS	ST
BestBuy	Flash Drive - Lab	\$16.05	10/11/2023	FMC	IT
Amazon	BBQ Supplies (whistles)	\$15.48	10/5/2023	GM	GM
Oreilly	Trailer Plug, E5396	\$14.32	12/4/2023	CS	ST
Amazon	CS Safety - Sept.	\$13.05	10/3/2023	CS	CT
FASTRAK	FASTRAK Violation	\$12.75	12/2/2023	TS	CST
Lowes	Screwdriver	\$9.39	11/2/2023	CS	ST
Facebook/Meta	Boosted Posts (Ads)	\$8.93	12/10/2023	GM	GM

**Union Sanitary District Cal-Card Report  
FY24 Q2**

<b>Vendor's Name</b>	<b>Purchase Description</b>	<b>Total</b>	<b>Transaction Date</b>	<b>Work Group</b>	<b>Team</b>
FasTrak	11/08/23 Carquinez Bridge Toll (for CA 1613935): CWEA Northern Safety Day at Yolo County Fairgrounds in Woodland	\$7.00	11/29/2023	T&D	T&D
Facebook/Meta	Boosted Posts (Ads)	\$5.03	12/10/2023	GM	GM
Lowes	HVAC parts	\$3.77	10/2/2023	CS	ST
ChargePoint	ChargePoint - EV charging	\$1.60	12/7/2023	CS	ST
WebstaurantStore	Credit for partial shipping costs. Paid for 2-day for Work Table to arrive on 10/6, it did not arrive until 10/9.	-\$38.61	10/9/2023	T&D	TPO
Ferguson	HVAC duct returned	-\$46.63	10/24/2023	CS	ST
JM Equipment	Part Return	-\$112.27	10/4/2023	CS	ST
CPSHR	Refund Class Registration "ChatGPT Level 2: Beyond the Basics". Class date is 12/13/23.	-\$150.00	12/11/2023	BS	OST
Ferguson	HVAC duct returned	-\$150.01	10/24/2023	CS	ST
Safety Center Inc	Safety Center Inc Refund - Excavation Competent Person	-\$245.00	11/28/2023	TS	CIP
Holiday Inn	Hotel Reservation Refund	-\$249.15	10/4/2023	TS	EC
Hotels.com	Cancellation of Hotel for SMRP	-\$963.58	9/27/2023	FMC	Mech
Hotels.com	Cancellation of Hotel for SMRP	-\$963.58	9/27/2023	FMC	Mech
Hotels.com	Cancellation of Hotel for SMRP	-\$963.58	9/27/2023	FMC	Mech

**TOTAL FOR Q2: \$137,634.60**

**TOTAL # OF TRANSACTIONS FOR Q2: 334**

**UNION SANITARY DISTRICT  
CHECK REGISTER  
12/30/2023-01/12/2024**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
186259	1/4/2024	114	2011800434	HAZEN AND SAWYER	ETSU PHASE 1B PROJECT	\$269,457.04	\$434,795.94
	1/4/2024	114	2011801021		MP - AERATION BASIN MODIFICATIONS	\$40,137.40	
	1/4/2024	114	2011801116		CAMPUS BUILDINGS (ADMIN, FMC, OPS)	\$125,201.50	
186306	1/11/2024		7291	CAL SANITATION RISK MNGT AUTH	POOLED LIABILITY INSURANCE: 12/31/2023-12/30/2024	\$336,492.00	\$336,492.00
186277	1/4/2024	114	203339	PSOMAS CORP	AERATION BASIN MODIFICATIONS (0532) & CAMPUS BUILDING (0545)	\$229,495.18	\$229,495.18
186286	1/4/2024	110	43929	SYNAGRO WEST LLC	NOV 2023 BIOSOLIDS DISPOSAL	\$163,639.09	\$163,639.09
186336	1/11/2024	110	170120231226	PACIFIC GAS AND ELECTRIC	SERV TO 12/19/2023 PLANT	\$96,763.26	\$96,763.26
186340	1/11/2024	143	203333	PSOMAS CORP	STANDBY POWER SYSTEM UPGRADE	\$73,478.71	\$90,719.21
	1/11/2024	143	203334R		PLANT MISCELLANEOUS IMPROVEMENTS	\$17,240.50	
186308	1/11/2024	173	41927	CDW GOVERNMENT LLC	MIMECAST RENEWAL AND SUPPORT	\$18,525.00	\$81,486.96
	1/11/2024	173	47908		CISCO CONTRACT RENEW	\$59,061.96	
	1/11/2024	173	88017		WORKSPACEONE SUPPORT AND MAINTENANCE	\$3,900.00	
186258	1/4/2024	110	934389	HASA INC	4617 GALS SODIUM HYPOCHLORITE	\$14,536.69	\$45,089.87
	1/4/2024	110	935213		4852 GALS SODIUM HYPOCHLORITE	\$15,276.59	
	1/4/2024	110	935286		4852 GALS SODIUM HYPOCHLORITE	\$15,276.59	
186330	1/11/2024	141	49616	MARK THOMAS & CO INC	CONSTRUCTION INSPECTION SERVICES 10/30/23 -11/26/23	\$42,211.27	\$42,211.27
186349	1/11/2024	173	45445530	TYLER TECHNOLOGIES INC	EDEN ANNUAL SUPPORT	\$36,585.71	\$36,585.71



**UNION SANITARY DISTRICT  
CHECK REGISTER  
12/30/2023-01/12/2024**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
186320	1/11/2024	110	935285	HASA INC	4653 GALS SODIUM HYPOCHLORITE	\$14,650.04	\$29,926.63
	1/11/2024	110	935942		4852 GALS SODIUM HYPOCHLORITE	\$15,276.59	
186304	1/11/2024	143	137791094004	BUCKLES SMITH ELECTRIC	PLC REPLACEMENT	\$28,927.78	\$28,927.78
186326	1/11/2024	143	W8Y07900014	JACOBS ENGINEERING GROUP, INC	PUMP STATIONS CHEMICAL SYSTEM IMPROVEMENTS	\$24,306.50	\$24,306.50
186241	1/4/2024	123	85770	BAILEY FENCE CO INC	REMOVE & REPLACE FENCE	\$23,991.00	\$23,991.00
186299	1/11/2024		B0C68Z	BENEFIT COORDINATORS CORP	DELTA DENTAL CLAIMS - DEC 2023	\$13,509.93	\$17,264.18
	1/11/2024		B0C6H2		DELTA DENTAL AND VSP STMT - JAN 2024	\$3,754.25	
186312	1/11/2024	110	1426336	DEPARTMENT OF GENERAL SERVICES	SERV: NOV 2023 PLANT	\$15,208.61	\$15,208.61
186242	1/4/2024		2628924	BAKER TILLY US, LLP	IT ORGANIZATIONAL ASSESSMENT 2023	\$15,000.00	\$15,000.00
186305	1/11/2024	143	311505	BURKE, WILLIAMS & SORENSON LLP	CIP - OCT 2023	\$3,394.56	\$14,849.64
	1/11/2024	150	312954		CIP - NOV 2023	\$1,896.96	
	1/11/2024	150	312956		ETSU - NOV 2023	\$3,727.36	
	1/11/2024	150	312957		STANDBY POWER PROJECT - NOV 2023	\$2,063.36	
	1/11/2024	150	312963		GENERAL LEGAL - NOV 2023	\$3,767.40	
186263	1/4/2024	143	W8Y07900013	JACOBS ENGINEERING GROUP, INC	PUMP STATIONS CHEMICAL SYSTEM IMPROVEMENTS	\$12,887.09	\$12,887.09
186275	1/4/2024	110	1791369	POLYDYNE INC	42,880 LBS CLARIFLOC WE-539	\$10,720.00	\$11,872.40
	1/4/2024	110	1795883		CREDIT MEMO INV 1791369	\$-10,720.00	
	1/4/2024	110	1795933		42,880 LBS CLARIFLOC WE-539	\$11,872.40	
186327	1/11/2024	110	9017813712	KEMIRA WATER SOLUTIONS INC	46,780 LBS FERROUS CHLORIDE	\$11,295.11	\$11,295.11

**UNION SANITARY DISTRICT  
CHECK REGISTER  
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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
186303	1/11/2024	143	11503626	BROWN & CALDWELL CONSULTANTS	STANDBY POWER SYSTEM UPGRADE	\$11,163.28	\$11,163.28
186287	1/4/2024	123	44560	THE CONSTRUCTION ZONE LLC	350 REFLECTIVE TRAFFIC CONES W/UPDATED USD LOGO	\$8,608.37	\$10,517.70
	1/4/2024	170	44597		PUMP STATION SIGNAGE	\$1,909.33	
186264	1/4/2024		374322231101C	LINCOLN NATIONAL LIFE INS COMP	CR: LIFE & DISABILITY INSURANCE - NOV 2023	\$-5.90	\$9,480.47
	1/4/2024		374322240101		LIFE & DISABILITY INSURANCE - JAN 2024	\$9,486.37	
186251	1/4/2024		98403	E3 SPARK PLUGS	16 SPARK PLUGS	\$9,312.48	\$9,312.48
186283	1/4/2024	170	25297B17943	SHAPE INCORPORATED	SITE WASTE PUMP DISCHARGE ELBOWS CORRECT SIZES	\$43,661.94	\$8,421.29
	1/4/2024	170	25297B17944		CREDIT FOR INV 25297B17943	\$-35,240.65	
186247	1/4/2024	110	20233177	COMPACTOR MANAGEMENT COMPANY	HAULING AND DISPOSAL OF SEWER DEBRIS	\$8,344.60	\$8,344.60
186329	1/11/2024		100650	LIBERTY PROCESS EQUIPMENT INC	PUMP PARTS	\$7,679.75	\$7,679.75
186338	1/11/2024	130	14022598	PFM ASSET MANAGEMENT LLC	INVESTMENT MANAGEMENT / ADVISORY SERVICES	\$7,211.71	\$7,211.71
186321	1/11/2024	143	201180126	HAZEN AND SAWYER	PRIMARY DIGESTER NO. 6 REHABILITATION	\$7,060.00	\$7,060.00

**UNION SANITARY DISTRICT  
CHECK REGISTER  
12/30/2023-01/12/2024**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
186318	1/11/2024	170	9920885911	GRAINGER INC	ASTD PARTS & MATERIALS	\$40.70	\$5,551.72
	1/11/2024	170	9922271581		ASTD PARTS & MATERIALS	\$99.89	
	1/11/2024	170	9923344486		ASTD PARTS & MATERIALS	\$388.77	
	1/11/2024	111	9924783880		ASTD PARTS & MATERIALS	\$17.73	
	1/11/2024	111	9924783898		ASTD PARTS & MATERIALS	\$90.05	
	1/11/2024	111	9924937502		ASTD PARTS & MATERIALS	\$137.55	
	1/11/2024	170	9924937510		ASTD PARTS & MATERIALS	\$124.03	
	1/11/2024		9925208580		ASTD PARTS & MATERIALS	\$3,262.35	
	1/11/2024	170	9925988900		ASTD PARTS & MATERIALS	\$21.88	
	1/11/2024		9928373035		ASTD PARTS & MATERIALS	\$1,316.92	
	1/11/2024	170	9928373043	ASTD PARTS & MATERIALS	\$51.85		
186276	1/4/2024	170	106542	PRIME MECHANICAL SERVICE INC	SERVICE CALL: BLDG 72 HEAD WORKS MCC ROOM HVAC REPAIRS	\$4,526.00	\$5,518.00
	1/4/2024	170	106558		MONTHLY MAINTENANCE - NOV 23	\$992.00	
186273	1/4/2024	170	145036	NEW IMAGE LANDSCAPING CO	LANDSCAPE MAINTENANCE - FMC - DEC	\$2,645.04	\$5,145.04
	1/4/2024	170	419970		WEED ABATEMENT NPS SITE	\$2,500.00	
186255	1/4/2024	170	252718	FRANK A OLSEN COMPANY	HEAT MIX 3 VALVES REPLACEMENT VAULT IN FLOOR	\$5,141.37	\$5,141.37
186344	1/11/2024	170	5588744	SEMITORR GROUP, LLC	3 THERMAL BYPASS VALVES	\$4,753.31	\$4,753.31

**UNION SANITARY DISTRICT  
CHECK REGISTER  
12/30/2023-01/12/2024**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
186240	1/4/2024		20945378	AT&T	SERV: 11/10/23 - 12/09/23	\$1,065.20	\$4,649.09
	1/4/2024		21002918		SERV: 11/20/23 - 12/19/23	\$29.25	
	1/4/2024		21002920		SERV: 11/20/23 - 12/19/23	\$3,291.61	
	1/4/2024		21002942		SERV: 11/20/23 - 12/19/23	\$263.03	
186316	1/11/2024	173	17001100061585	GE DIGITAL LLC	GE OPERATIONS HUB LICENSING AND SUPPORT	\$4,632.80	\$4,632.80
186278	1/4/2024		74055	R.D. KINCAIDE INC	8 PATCH KITS	\$4,545.18	\$4,545.18
186351	1/11/2024		9952271522	VERIZON WIRELESS	WIRELESS SERV 11/21/23-12/20/23	\$1,063.33	\$3,860.94
	1/11/2024		9952271523		WIRELESS SERV 11/21/23-12/20/23	\$2,797.61	
186334	1/11/2024	141	2023123904	NBS	SEWER SERVICE CHARGE DATA SERV JAN - MAR 2024	\$3,760.79	\$3,760.79
186341	1/11/2024	120	916005504101	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - JAN 2024	\$3,598.46	\$3,598.46
186339	1/11/2024		33763	PM DESIGN GROUP INC	REFUND # 60774	\$3,300.00	\$3,300.00
186244	1/4/2024	123	81123129045	BUSINESS ORIENTED SOFTWARE	NEW USA TICKET MANAGEMENT SYSTEM	\$3,150.00	\$3,150.00
186319	1/11/2024	170	99069227	H & E EQUIPMENT SERVICES INC	EQUIPMENT RENTAL 11/29/2023 - 12/26/2023	\$2,956.30	\$2,956.30
186298	1/11/2024	121	34015	BAYSCAPE LANDSCAPE MANAGEMENT	BAYSCAPE LANDSCAPE MANAGEMENT (LANDSCAPING SERVICES)	\$2,925.00	\$2,925.00
186235	1/4/2024	170	5713971001	ALAMEDA ELECTRICAL DISTR. INC.	ASTD ELECTRICAL SUPPLIES	\$1,926.46	\$2,708.45
	1/4/2024	170	5713971002		ASTD ELECTRICAL SUPPLIES	\$781.99	
186290	1/11/2024		20231231	AFLAC GROUP	GROUP INSURANCE - DEC 2023	\$2,581.30	\$2,581.30
186271	1/4/2024		20231130	NAPA AUTO PARTS	MONTHLY AUTO PARTS STMT - NOV 2023	\$2,509.23	\$2,509.23

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186257	1/4/2024		9915776083	GRAINGER INC	ASTD PARTS & MATERIALS	\$484.23	\$2,502.64
	1/4/2024		9916088587		ASTD PARTS & MATERIALS	\$462.28	
	1/4/2024	170	9917417363		ASTD PARTS & MATERIALS	\$1,556.13	
186243	1/4/2024	120	18508000	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$507.98	\$2,371.59
	1/4/2024		18512130		ASTD OFFICE SUPPLIES	\$1,717.34	
	1/4/2024	120	18515770		ASTD OFFICE SUPPLIES	\$146.27	
186272	1/4/2024	122	244744	NAYLOR STEEL INC	ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$675.13	\$2,112.49
	1/4/2024	122	244764		ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$704.59	
	1/4/2024	122	244765		ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$104.26	
	1/4/2024	122	244766		ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$628.51	
186309	1/11/2024	150	26201	CITYLEAF INC	2023 HOLIDAY DECOR	\$1,729.91	\$2,091.56
	1/11/2024	150	26587		PLANT MAINTENANCE - DEC 2023	\$361.65	
186239	1/4/2024		5180279138	ARAMARK	UNIFORM LAUNDERING & RUGS	\$765.59	\$2,032.09
	1/4/2024		5180279139		UNIFORM LAUNDERING SERVICE	\$807.82	
	1/4/2024		5180281665		UNIFORM LAUNDERING & RUGS	\$458.68	
186252	1/4/2024	170	121868	ENVIRONMENTAL LOGISTICS INC	15 - 55 GALLON DRUMS FOR COGEN WORK	\$2,010.00	\$2,010.00
186262	1/4/2024	132	42049	ICE SAFETY SOLUTIONS INC	CPR CLASSES	\$2,000.00	\$2,000.00
186315	1/11/2024	170	252764	FRANK A OLSEN COMPANY	BUILDING 81 4W MANIFOLD 8 INCH BUTTERFLY	\$1,891.41	\$1,891.41
186270	1/4/2024	121	16910	MUNICIPAL MAINT EQUIPMENT INC	SERVICE: CLEAR VACUUM TUBE FOR VACTOR	\$1,851.92	\$1,851.92

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186353	1/11/2024	143	2056201	WEST YOST ASSOCIATES	FORCE MAIN CORROSION REPAIRS PROJECT PHASE 4	\$1,628.00	\$1,628.00
186295	1/11/2024		47086	APPLIED AIR FILTERS INC	110 AIR FILTERS	\$1,539.85	\$1,539.85
186324	1/11/2024	170	630678	INSTRUMART	2 PH PROBES	\$1,481.84	\$1,481.84
186300	1/11/2024	120	18514820	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$138.43	\$1,471.93
	1/11/2024	120	18525480		ASTD OFFICE SUPPLIES	\$192.12	
	1/11/2024	120	18525481		ASTD OFFICE SUPPLIES	\$28.68	
	1/11/2024	141	18530030		ASTD OFFICE SUPPLIES	\$125.27	
	1/11/2024	122	18531400		ASTD OFFICE SUPPLIES	\$481.76	
	1/11/2024	122	18531420		ASTD OFFICE SUPPLIES	\$481.76	
	1/11/2024	130	18534340		ASTD OFFICE SUPPLIES	\$23.91	
186314	1/11/2024		12036	ENERGY CHOICE INC	4 COGEN FILTERS	\$1,457.08	\$1,457.08
186297	1/11/2024	136	2522598063	BANK OF NEW YORK	NOV 2023 SERVICE FEES	\$1,371.73	\$1,371.73
186238	1/4/2024		47031	APPLIED AIR FILTERS INC	200 AIR FILTERS	\$1,259.10	\$1,259.10
186267	1/4/2024	132	212439	MEYERS NAVE	ASTD PARTS & MATERIALS	\$1,240.00	\$1,240.00
186296	1/11/2024		5180284205	ARAMARK	UNIFORM LAUNDERING SERVICE	\$580.77	\$1,202.86
	1/11/2024		5180286355		UNIFORM LAUNDERING SERVICE	\$528.10	
	1/11/2024	122	5180286356		ASTD DUST MOPS, WET MOPS & TERRY	\$93.99	
186234	1/4/2024	170	5504234627	AIRGAS NCN	CYLINDER RENTAL	\$1,157.48	\$1,157.48
186284	1/4/2024	132	53757	SLOAN SAKAI YEUNG & WONG LLP	SPECIAL COUNSEL SERVICES	\$1,122.00	\$1,122.00

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186342	1/11/2024	173	52535	SACRAMENTO COMPUTER POWER INC	CONTROL BUILDING UPS SUPPORT AND MAINTENANCE	\$1,116.00	\$1,116.00
186268	1/4/2024	170	217903	MORROW SERVICE, INC.	SERVICE: LAB AUTOCLAVE PM	\$996.82	\$996.82
186335	1/11/2024	170	109118837-1	PACE SUPPLY CORP	2 BELIMO WEATHERSHIELDS	\$989.43	\$989.43
186245	1/4/2024	143	44513	CAROLLO ENGINEERS	WAS THICKENERS	\$923.97	\$923.97
186265	1/4/2024	113	2312516	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$790.50	\$830.50
	1/4/2024	113	2312607		LAB SAMPLE ANALYSIS	\$40.00	
186307	1/11/2024	113	715111	CALTEST ANALYTICAL LABORATORY	11 LAB SAMPLE ANALYSIS	\$827.10	\$827.10
186354	1/11/2024	141	226267	WOODARD & CURRAN INC	OHLONE COMMUNITY COLLEGE CAPACITY ANALYSIS	\$756.25	\$756.25
186352	1/11/2024	113	8813902358	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$91.70	\$739.08
	1/11/2024		8814876468		LAB SUPPLIES	\$203.18	
	1/11/2024		8814884153		LAB SUPPLIES	\$444.20	
186310	1/11/2024	132	284182	CLAREMONT BEHAVIORAL SERVICES	JAN 2024 EAP PREMIUMS	\$662.40	\$662.40
186269	1/4/2024	170	2401048493	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$440.59	\$656.49
	1/4/2024	170	2401048695		ASTD PARTS & MATERIALS	\$215.90	
186233	1/4/2024		49508	ABOVE ALL PLUMBING, INC.	REFUND # 60794	\$650.00	\$650.00
186281	1/4/2024		2177667002	SAN LEANDRO ELECTRIC SUPPLY	ASTD ELECTRICAL SUPPLIES	\$108.60	\$644.40
	1/4/2024		2177667003		ASTD ELECTRICAL SUPPLIES	\$535.80	
186323	1/11/2024		768520231228	HOME DEPOT CREDIT SERVICES	MONTHLY HARDWARE STMT - DEC 2023	\$579.61	\$579.61
186346	1/11/2024	170	12272	SUPPORT PRODUCT SERVICES INC	COGEN EMISSIONS ANALYZER CALIBRATION	\$558.26	\$558.26

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186248	1/4/2024	132	81488418	CONCENTRA MEDICAL CENTERS	2 NEW HIRE PHYSICAL	\$533.00	\$533.00
186249	1/4/2024	144	3751978	DAILY JOURNAL CORPORATION	AD: THANKSGIVING FATS OILS AND GREASE	\$530.00	\$530.00
186328	1/11/2024	132	20240109	KATHLEEN KING	EXP REIMB: REGISTRATION DWC WORKERS COMP CONFERENCE	\$525.00	\$525.00
186311	1/11/2024		49365	CLEAR WATER MECH PLUMBING	REFUND # 60779	\$500.00	\$500.00
186322	1/11/2024		49521	WENYU HO	REFUND # 60762	\$500.00	\$500.00
186333	1/11/2024		49419	MONARCH PLUMBING & ROOTER INC	REFUND # 60780	\$500.00	\$500.00
186337	1/11/2024		49405	PACIFIC PLUMBING & SEWER SERV	REFUND # 60761	\$500.00	\$500.00
186345	1/11/2024		49462	JIGNESH SHAH	REFUND # 60773	\$500.00	\$500.00
186347	1/11/2024		49506	SWAGS PLUMBING & ROOTER INC	REFUND # 60770	\$500.00	\$500.00
186266	1/4/2024		19564060	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$220.51	\$495.63
	1/4/2024		19571816		ASTD PARTS & MATERIALS	\$275.12	
186256	1/4/2024	130	17535	GFOA-GOV FIN OFFICERS ASSOC	ACFR SUBMISSION FEE	\$460.00	\$460.00
186301	1/11/2024	132	1701	BOUCHER LAW, PC	SPECIAL COUNSEL SERVICES - NOV 2023	\$450.00	\$450.00
186279	1/4/2024	171	8201154477	RED WING BUS ADVANTAGE ACCT	SAFETY SHOES: L. ROCHA	\$218.28	\$424.41
	1/4/2024	122	8201154558		SAFETY SHOES: K. COFFEE	\$206.13	
186253	1/4/2024	170	906211218	EVOQUA WATER TECHNOLOGIES	DI WATER SYSTEM	\$406.97	\$406.97



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186237	1/4/2024	120	11JYN4W9HYJ3	AMAZON.COM LLC	ASTD OFFICE SUPPLIES	\$74.14	\$406.63
	1/4/2024	130	166G9KRRLCC7		ASTD OFFICE SUPPLIES	\$26.29	
	1/4/2024	144	17XFH9HTWWL7		ASTD OFFICE SUPPLIES	\$65.88	
	1/4/2024	130	1JRMGM9RVWX		ASTD OFFICE SUPPLIES	\$99.55	
	1/4/2024	120	1L7YNFP6CGL3		ASTD OFFICE SUPPLIES	\$74.88	
	1/4/2024		1XNWCYYPXXK1		ASTD OFFICE SUPPLIES	\$65.89	
186285	1/4/2024	143	WD0258907	SWRCB - STATE WATER RESOURCES	FY24 ANNUAL PERMIT FEES - FACILITY 2-CW421360 USD EMERGE	\$399.00	\$399.00
186302	1/11/2024	144	60900	BRITECH ELECTROPOLISHING	CLEAN AND PASSIVATE	\$350.00	\$350.00
186261	1/4/2024		605332493	HILLYARD/SAN FRANCISCO	JANITORIAL	\$313.18	\$313.18
186282	1/4/2024		2177667001	SAN LEANDRO ELECTRIC SUPPLY	ASTD ELECTRICAL SUPPLIES	\$259.29	\$259.29
186317	1/11/2024	130	20230105	ALISA GORDON	EXP REIMB: OST HOLIDAY LUNCH	\$257.00	\$257.00
186325	1/11/2024	173	6081385	INTRADO LIFE & SAFETY INC	E911 ANNUAL SUBSCRIPTION	\$250.00	\$250.00
186293	1/11/2024		51958	ALLIED FLUID PRODUCTS CORP	30 - GASKETS	\$242.11	\$242.11
186260	1/4/2024	132	20240103	MEGAN HICKS	EXP REIM: ANNUAL RENEWAL - BOARD OF CERTIFIED SAFETY PROF	\$180.00	\$180.00
186236	1/4/2024	170	5300825	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$179.07	\$179.07
186291	1/11/2024	170	5722850001	ALAMEDA ELECTRICAL DISTR. INC.	ASTD ELECTRICAL SUPPLIES	\$176.91	\$176.91
186246	1/4/2024		20231221	GUSTAVO CARRILLO	TUITION REIMB - FALL 2023	\$171.00	\$171.00
186288	1/4/2024	136	98XW53493	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 12/09/23	\$164.33	\$164.33
186280	1/4/2024	170	3796	SABRE BACKFLOW INC	BACKFLOW CALIBRATION ACCURACY SERVICE	\$145.13	\$145.13

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186292	1/11/2024	170	5301130	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$132.90	\$132.90
186350	1/11/2024	136	98XW53503	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 12/16/23	\$127.48	\$127.48
186331	1/11/2024	113	2312052A	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$120.00	\$120.00
186274	1/4/2024	170	109118821	PACE SUPPLY CORP	2 TRERICE 105-0005K SEALS	\$104.55	\$104.55
186250	1/4/2024	111	20231221	MANUEL DE AVILA DIAZ	EXP REIMB: QUARTERLY SAFETY RECOGNITION MEAL	\$103.83	\$103.83
186343	1/11/2024	170	85340220231221	SAN FRANCISCO WATER DEPT	SERVICE 11/21/23 - 12/19/23	\$73.05	\$73.05
186294	1/11/2024	143	1MRMX7HDQ1HV	AMAZON.COM LLC	ASTD OFFICE SUPPLIES	\$66.99	\$69.74
	1/11/2024	113	1T7Q7VL7LNCJ		ASTD OFFICE SUPPLIES	\$42.06	
	1/11/2024	144	1V6314T97PRH		CREDIT: ASTD OFFICE SUPPLIES	\$-39.31	
186254	1/4/2024	110	20231214	MOHAMMAD FARSAI	EXP REIMB: GROUP RECOGNITION	\$65.53	\$65.53
186348	1/11/2024	173	20240105	RUFUS TAI	EXP REIMB: PMP MEMBERSHIP RENEWAL	\$60.00	\$60.00
186332	1/11/2024	170	19763677	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$57.01	\$57.01
186313	1/11/2024	144	20240109	ALICIA DUTROW	EXP REIMB: SCHOOL OUTREACH TEACHER RAFFLE PRIZE	\$50.00	\$50.00
186289	1/4/2024	113	8814784555	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$24.52	\$24.52

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<b>Invoices:</b>					<b>Checks:</b>			
Credit Memos :			4	-46,005.86				
\$0 - \$1,000 :			101	32,981.39	\$0 - \$1,000 :	53	21,121.58	
\$1,000 - \$10,000 :			54	176,494.55	\$1,000 - \$10,000 :	46	163,708.85	
\$10,000 - \$100,000 :			25	681,563.95	\$10,000 - \$100,000 :	19	620,066.20	
Over \$100,000 :			5	1,124,284.81	Over \$100,000 :	4	1,164,422.21	
<b>Total:</b>			<b>189</b>	<b>1,969,318.84</b>	<b>Total:</b>	<b>122</b>	<b>1,969,318.84</b>	