



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

**Monday, September 25, 2023
Regular Meeting - 4:00 P.M.**

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

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 September 11, 2023. |
| Motion | 5. | Approve Minutes of the Union Sanitary District Special Board Meeting of September 14, 2023. |
| Information | 6. | August 2023 Monthly Operations Report <i>(to be reviewed by the Budget & Finance and Legal/Community Affairs Committees)</i> . |
| | 7. | Written Communications. |
| | 8. | Public Comment.
Public Comment is limited to three minutes per individual, with a maximum of 30 minutes per subject. If the comment relates to an agenda item, the speaker should address the Board at the time the item is considered. Speaker cards will be available in the Boardroom and are requested to be completed prior to the start of the meeting. |
| Motion | 9. | Consider Denial of Claim Filed by Chung-Ho Chen in the Amount of \$100,000,000 for Injuries from a Fall <i>(to be reviewed by the Legal/Community Affairs Committee)</i> . |
| Motion | 10. | Review and Consider Approval of the Construction Inspector I and II Position Descriptions and Construction Inspector I, II, and III Salary Ranges <i>(to be reviewed by the Personnel Committee)</i> . |
| Motion | 11. | Award the Construction Contract for the Force Main Corrosion Repairs Project – Phase 4 to Cratus Inc. <i>(to be reviewed by the Engineering and Information Technology Committee)</i> . |

- | | |
|-------------|--|
| Direction | 12. Review and Provide Direction on Updated Fats, Oils, and Grease (FOG) Holiday Advertisement. |
| Information | 13. Status of Priority 1 Capital Improvement Program Projects <i>(to be reviewed by the Engineering and Information Technology Committee)</i> . |
| Information | 14. Fourth Quarterly Report on the Capital Improvement Program for Fiscal Year 2023 <i>(to be reviewed by the Engineering and Information Technology Committee)</i> . |
| Information | 15. Fourth Quarterly Report on the Enhanced Treatment and Site Upgrade Program for Fiscal Year 2023 <i>(to be reviewed by the Engineering and Information Technology Committee)</i> . |
| Information | 16. Check Register. |
| Information | 17. Committee Meeting Reports. <i>(No Board action is taken at Committee meetings):</i> <ol style="list-style-type: none"> a. Personnel Committee – Wednesday, September 20, 2023, at 10:00 a.m. <ul style="list-style-type: none"> • Director Lathi and Director Toy b. Engineering and Information Technology Committee – Thursday, September 21, 2023, at 8:30 a.m. <ul style="list-style-type: none"> • Director Fernandez and Director Toy c. Budget & Finance Committee – Thursday, September 21, 2023, at 1:30 p.m. <ul style="list-style-type: none"> • Director Kite and Director Handley d. Legal/Community Affairs Committee – Friday, September 22, 2023, at 11:30 a.m. <ul style="list-style-type: none"> • Director Kite and Director Lathi e. Legislative Committee – will not meet. |
| Information | 18. General Manager’s Report. <i>(Information on recent issues of interest to the Board)</i> . |
| | 19. Other Business: <ol style="list-style-type: none"> a. Comments and questions. <i>Directors can share information relating to District business and are welcome to request information from staff.</i> b. Scheduling matters for future consideration. |
| | 20. Adjournment – The Board will adjourn to next Regular Board Meeting to be held in the Boardroom on Monday, October 9, 2023, at 4:00 p.m. |

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



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

PERSONNEL COMMITTEE MEETING
Committee Members: Director Lathi and Director Toy

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

AGENDA
Wednesday, September 20, 2023
10:00 A.M.

Karen W. Murphy
Attorney

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

THIS MEETING SHALL BE TELECONFERENCED WITH DIRECTOR LATHI FROM THE GUEST PARKING AREA LOCATED ON OCASO CAMINO, WEST OF AND CLOSEST TO THE INTERSECTION OF PASEO PADRE PARKWAY IN FREMONT, CALIFORNIA.

1. Call to Order

2. Roll Call

3. Public Comment

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

- Alvarado Conference Room
 - Teleconference Location
-

4. Items to be reviewed for the Regular Board meeting of September 25, 2023:

- Review and Consider Approval of the Construction Inspector I and II Position Descriptions and Construction Inspector I, II, and III Salary Ranges
-

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

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, September 21, 2023
1:30 P.M.

Karen W. Murphy
Attorney

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

**THIS MEETING WILL BE TELECONFERENCED WITH DIRECTOR KITE FROM THE EXTERIOR
OF 35040 NEWARK BOULEVARD, NEWARK, CALIFORNIA.
THE TELECONFERENCE LOCATION SHALL BE ACCESSIBLE TO THE PUBLIC.**

1. Call to Order

2. Roll Call

3. Public Comment

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

- Alvarado Conference Room
 - Teleconference Location
-

4. Items to be reviewed for the Regular Board meeting of September 25, 2023:

- August 2023 Monthly Operations Report – Financial Reports
-

5. Adjournment

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

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



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

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

AGENDA
Thursday, September 21, 2023
8:30 A.M.

Karen W. Murphy
Attorney

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

1. Call to Order

2. Roll Call

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

4. Items to be reviewed for the Regular Board meeting of September 25, 2023:
 - Award the Construction Contract for the Force Main Corrosion Repairs Project – Phase 4 to Cratus Inc.
 - Status of Priority 1 Capital Improvement Program Projects
 - Fourth Quarterly Report on the Capital Improvement Program for Fiscal Year 2023
 - Fourth Quarterly Report on the Enhanced Treatment and Site Upgrade Program for Fiscal Year 2023

5. Adjournment

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

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.



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, September 22, 2023
11:30 A.M.

Karen W. Murphy
Attorney

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

THIS MEETING WILL BE TELECONFERENCED WITH DIRECTOR KITE FROM STIRLING COURT NEAREST LAKE BOULEVARD, NEWARK, CALIFORNIA.

THIS MEETING SHALL BE TELECONFERENCED WITH DIRECTOR LATHI FROM 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

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
-

4. Items to be reviewed for the Regular Board meeting of September 25, 2023:

- August 2023 Monthly Operations Report – Odor and Work Group Reports
 - Consider Denial of Claim Filed by Chung-Ho Chen in the Amount of \$100,000,000, for Injuries from a Fall
-

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 SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT/UNION SANITARY DISTRICT FINANCING
AUTHORITY
September 11, 2023**

CALL TO ORDER

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

SALUTE TO THE FLAG

President Fernandez led the salute to the flag.

ROLL CALL

PRESENT: Manny Fernandez, President
Jennifer Toy, Vice President
Tom Handley, Secretary
Pat Kite, Director
Anjali Lathi, 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
Alisa Gordon, Human Resources Manager
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager
Chris Pachmayer, Fabrication Maintenance and Construction Coach
Michael Dunning, Environmental Compliance Coach
Marcus Lee, Treatment and Disposal Services Coach
Trieu Nguyen, IT Administrator
Alicia Dutrow, Environmental Outreach Representative
Michelle Powell, Communications and Intergovernmental Relations Coordinator
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

**APPROVE MINUTES OF THE UNION SANITARY DISTRICT BOARD MEETING OF
AUGUST 28, 2023**

It was moved by Director Kite, seconded by Director Lathi, to Approve the Minutes of the Board Meeting of August 28, 2023. Motion carried unanimously.

WRITTEN COMMUNICATIONS

There were no written communications.

PUBLIC COMMENT

There was no public comment.

AWARD THE CONSTRUCTION CONTRACT FOR THE EAST WARREN AVENUE SANITARY SEWER REPLACEMENT PROJECT TO MCGUIRE AND HESTER

This item was reviewed by the Engineering and Information Technology Committee. Customer Service Team Coach Thow stated development of a single-family home and attached accessory dwelling unit on the parcel at 800 East Warren Avenue will include a driveway to be constructed directly over property encumbered by a USD sewer easement. The terms of the easement allow the property owner to construct the driveway. The Board directed staff to replace the pipe at the July 31, 2023, Board meeting. At the August 14, 2023 meeting, the Board authorized expenditure of up to \$267,046 from the CIP reserves for the Project. The District received two bids for the Project, and McGuire and Hester was the apparent low bidder with a Total Contract Price of \$224,150. There were two bid irregularities in McGuire and Hester's bid; a detailed description of the irregularities was included in the Board meeting packet. Staff, in consultation with District legal counsel, recommended both irregularities be waived. Staff recommended the Board waive the bid irregularities and award the construction contract for the East Warren Avenue Sanitary Sewer Replacement Project to McGuire and Hester in the amount of \$224,150.

It was moved by Secretary Handley, seconded by Vice President Toy, to Waive the Bid Irregularities and Award the Construction Contract for the East Warren Avenue Sanitary Sewer Replacement Project to McGuire and Hester in the Amount of \$224,150. Motion carried unanimously.

AUTHORIZE THE GENERAL MANAGER TO EXECUTE AMENDMENT NO. 2 TO TASK ORDER NO. 1 WITH MARK THOMAS & COMPANY, INC. FOR CONSTRUCTION INSPECTOR STAFF AUGMENTATION

This item was reviewed by the Budget & Finance Committee. Customer Service Coach Thow stated the Customer Service Team employs two full-time construction inspectors whose primary responsibility is to inspect sewer lateral repairs and new sewer main and lateral installation for large housing tract projects, businesses, and secondary units. While the permanent positions are under evaluation and until the recruitment process has been completed, staff selected Mark Thomas to provide temporary construction inspectors. The purpose of Amendment No. 2 to Task Order No. 1 is to extend the services of the two temporary construction inspectors through February 2, 2024. Staff recommended the Board authorize the General Manager to execute Amendment No. 2 to Task Order No. 1 with Mark Thomas & Company, Inc. in the amount of \$212,301 for extending the services of the temporary construction inspectors.

It was moved by Vice President Toy, seconded by Director Lathi, to Authorize the General Manager to Execute Amendment No. 1 to Task Order No. 1 with Mark Thomas & Company, Inc. in the Amount of \$212,301 for Extending the Services of the Temporary Construction Inspectors. Motion carried unanimously.

REVIEW AND CONSIDER APPROVAL OF UPDATED POLICY NO. 6560, UNCLASSIFIED STAFF COMPENSATION PLAN

Human Resources Manager Gordon stated two special meetings were held with the Board to discuss the Policy and to receive Board input and direction. The Policy was updated based upon Board direction; a summary of the changes was included in the Board meeting packet. Proposed amendments were presented to Unclassified Staff for review and were well received. Staff recommended the Board review and approve proposed changes to Policy No. 6560, Unclassified Staff Compensation Plan.

It was moved by Director Handley, seconded by Director Lathi, to Approve Proposed Changes to Policy No. 6560, Unclassified Staff Compensation Plan. Motion carried unanimously.

REVIEW AND PROVIDE DIRECTION ON UPDATED FATS, OILS, AND GREASE (FOG) HOLIDAY ADVERTISEMENT

Environmental Outreach Representative Dutrow presented the updated FOG Holiday Advertisement concepts and responded to Board questions. Staff requested the Board review options for an updated Fats, Oils, and Grease (FOG) Holiday advertisement and provide direction.

The Board directed staff to bring back two mock-ups reflecting Board comments.

INFORMATION ITEMS:

Check Register

Staff responded to Board questions regarding the check register.

COMMITTEE MEETING REPORTS:

The Budget & Finance and Engineering and Information Technology committees met.

GENERAL MANAGER'S REPORT:

- General Manager Eldredge summarized recent events which led to the District receiving Clean Water State Revolving Fund (SRF) financing.
- General Manager Eldredge provided a COVID update.
- A combined Board Workshop and Special Meeting will be held Thursday, September 14, 2023, at 4:00 p.m.
- A Special Meeting Closed Session will be held Tuesday, September 19, 2023, at 4:00 p.m.

OTHER BUSINESS:

There was no other business.

ADJOURNMENT:

The meeting was adjourned at 4:38 p.m. to a Board Workshop to be held in the Alvarado Conference Room on Tuesday, September 19, 2023.

The Board will then adjourn to the next Regular Board Meeting to be held in the Boardroom on Monday, September 25, 2023, at 4:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

TOM HANDLEY
SECRETARY

APPROVED:

MANNY FERNANDEZ
PRESIDENT

Adopted this 25th day of September 2023

**MINUTES OF THE SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
September 14, 2023**

CALL TO ORDER

President Fernandez called the special meeting to order at 4:00 p.m.

ROLL CALL

PRESENT: Manny Fernandez, President
Jennifer Toy, Vice President
Tom Handley, Secretary
Pat Kite, Director
Anjali Lathi, Director

STAFF: Paul Eldredge, General Manager/District Engineer
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager
Curtis Bosick, Capital Improvement Projects Coach
Karen Murphy, District Counsel
Leah Castella, Special District Counsel

PUBLIC COMMENT

There was no public comment.

BOARD WORKSHOP

General Manager Eldredge presented information regarding signage for the Enhanced Treatment and Site Upgrade Campus.

CLOSED SESSION

The Union Sanitary District Board of Directors will adjourn to the following closed session:

CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION
Significant exposure to litigation pursuant to § 54956.9(d)(2): (1 case)
Notice of Potential Claim Filed by Overaa Construction for Digester 7 Project

There was no reportable action.

ADJOURNMENT:

The special meeting was adjourned at approximately 5:30 p.m. to a Special Board Meeting to be held in the Alvarado Conference Room on Tuesday, September 19, 2023, at 4:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

TOM HANDLEY
SECRETARY

APPROVED:

MANNY FERNANDEZ
PRESIDENT

Adopted this 25th day of September, 2023



Union Sanitary District

Monthly Operations Report
August 2023



Table of Contents

2023 MONTHLY OPERATIONS REPORT

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

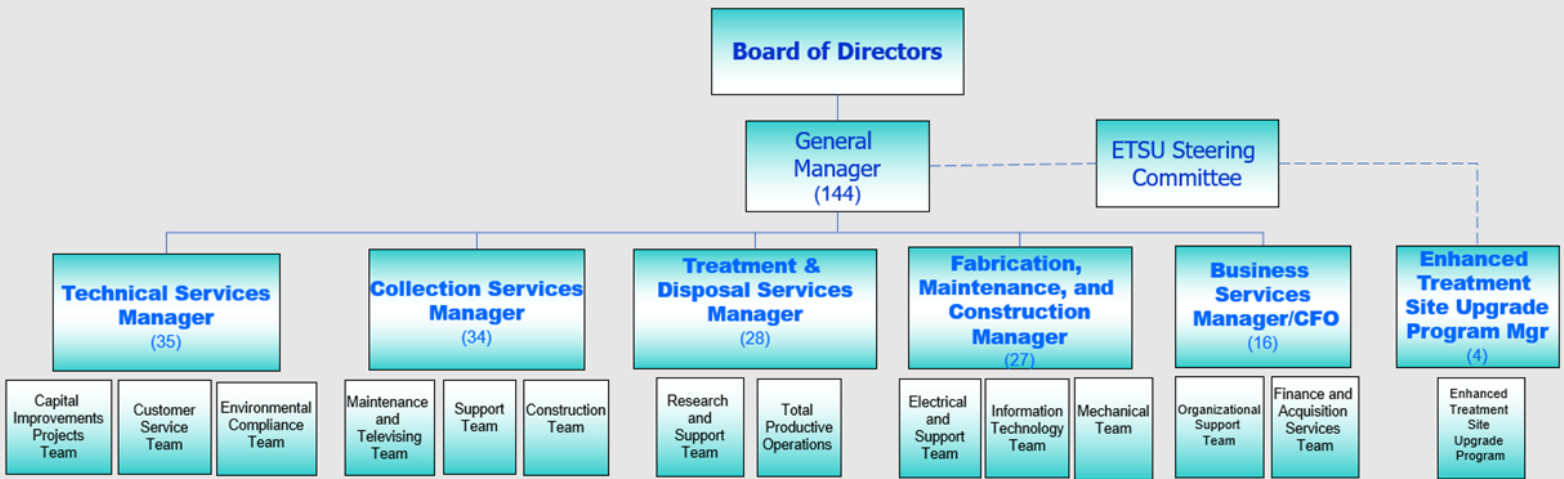
- **Organizational Overview**
- **Financial Reports**
 - Budget and Finance Report
 - Investment Portfolio
 - Portfolio Holdings by Asset Class and by Maturity Range
- **Customer Relations**
 - Odor Investigations and Response
 - Service Request and Response
 - Communication and Outreach
- **Plant Operations**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

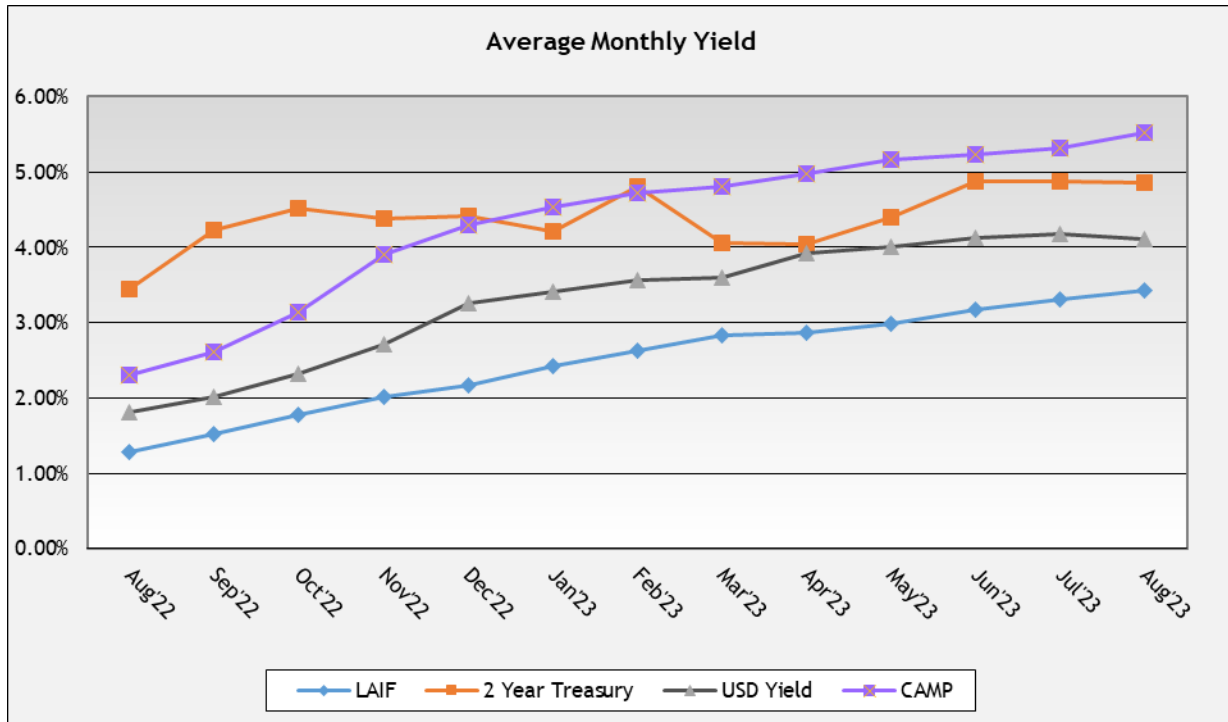
2023 MONTHLY OPERATIONS REPORT

Total Revenues and Expenditures

FY 2024	Year-to-date as of 8/31/2023		16.7% of year elapsed	Unaudited Last Year Actuals 6/30/23
Revenues				
	Budget	Actual	% of Budget Rec'd	
Capacity Fees	\$ 8,420,000	\$ 572,948	7%	\$ 7,371,192
Sewer Service Charges	84,200,000	2,023	0%	74,166,781
Operating (Includes work groups and fund 85)	1,353,500	79,299	6%	1,252,692
Interest	3,850,000	1,481,011	38%	5,733,919
Misc. (Annex fees, forfeited deposits)	11,276	-	0%	644,534
Subtotal Revenues	\$ 97,834,776	\$ 2,135,281	2%	\$ 89,169,117
SRF Funds Draw Down (Standby Power)	12,296,700	-	0.0%	-
Total Revenues + Bond Proceeds	\$ 110,131,476	\$ 2,135,281	2%	\$ 89,169,117
Expenses				
	Budget	Actual	% of Budget Used	Unaudited Last Year Actuals 6/30/23
Capital Improvement Program:				
Capacity Proj.	\$ 13,948,200	\$ 149,898	1%	\$ 9,316,075
Renewal & Repl. Proj.	70,605,900	1,988,129	3%	47,738,106
Operating (includes fund 85)	55,246,877	8,440,078	15%	46,682,360
Special Projects	4,154,384	91,862	2%	835,570
Retiree Medical (ADC)	1,475,000	-	0%	1,451,569
115 Pension Trust	6,400,000	-	0%	-
Vehicle & Equipment	187,300	-	0%	176,662
Information Systems	1,199,800	102,583	9%	532,130
Plant & Pump Stat. R&R	400,000	22,785	6%	308,301
Emerg. Fund	-	-	0%	-
Cty Fee for SSC Admin.	124,000	-	0%	112,512
Debt Servicing:				
SRF Loans	-	-	0%	-
Bonds	9,017,080	-	0%	9,693,038
WIFIA	17,000	-	0%	17,000
Debt Issuance	100,000	-	0%	-
Total Expenses	\$ 162,875,541	\$ 10,795,335	7%	\$ 116,863,323
Total Revenue & Proceeds less Expenses	\$ (52,744,065)	\$ (8,660,054)		(27,694,206)

Investment Portfolio

Performance Measures for the USD Investment Portfolio



	Apr'23	May'23	Jun'23	Jul'23	Aug'23
LAIF	2.87%	2.99%	3.17%	3.31%	3.43%
2 Year Treasury	4.04%	4.40%	4.87%	4.88%	4.85%
USD Yield	3.91%	4.00%	4.13%	4.18%	4.12%
CAMP	4.97%	5.16%	5.24%	5.31%	5.52%

LAIF: Local Agency Investment Fund Yield

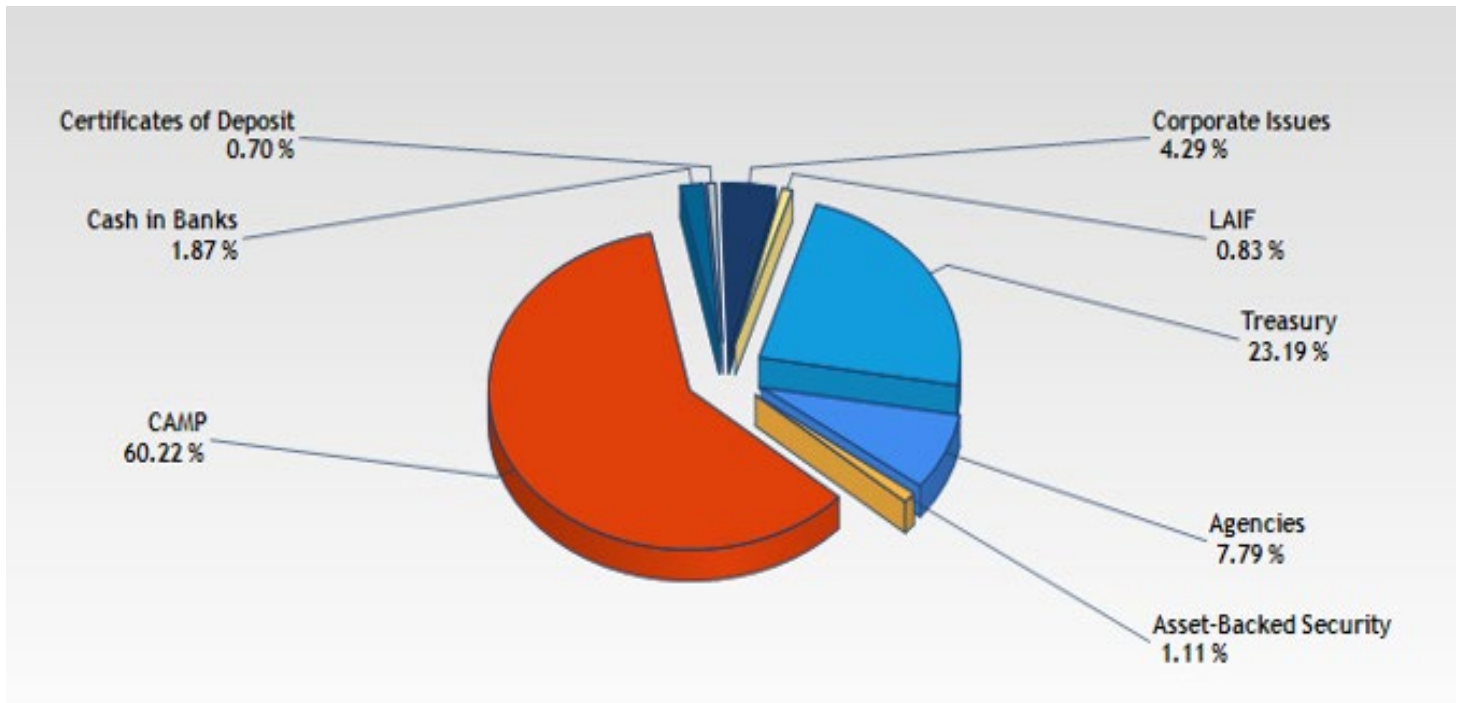
2 Year Treasury: Yield for investing in 2-Year U.S. Treasury security

USD Yield: Summarizes USD portfolio's yield

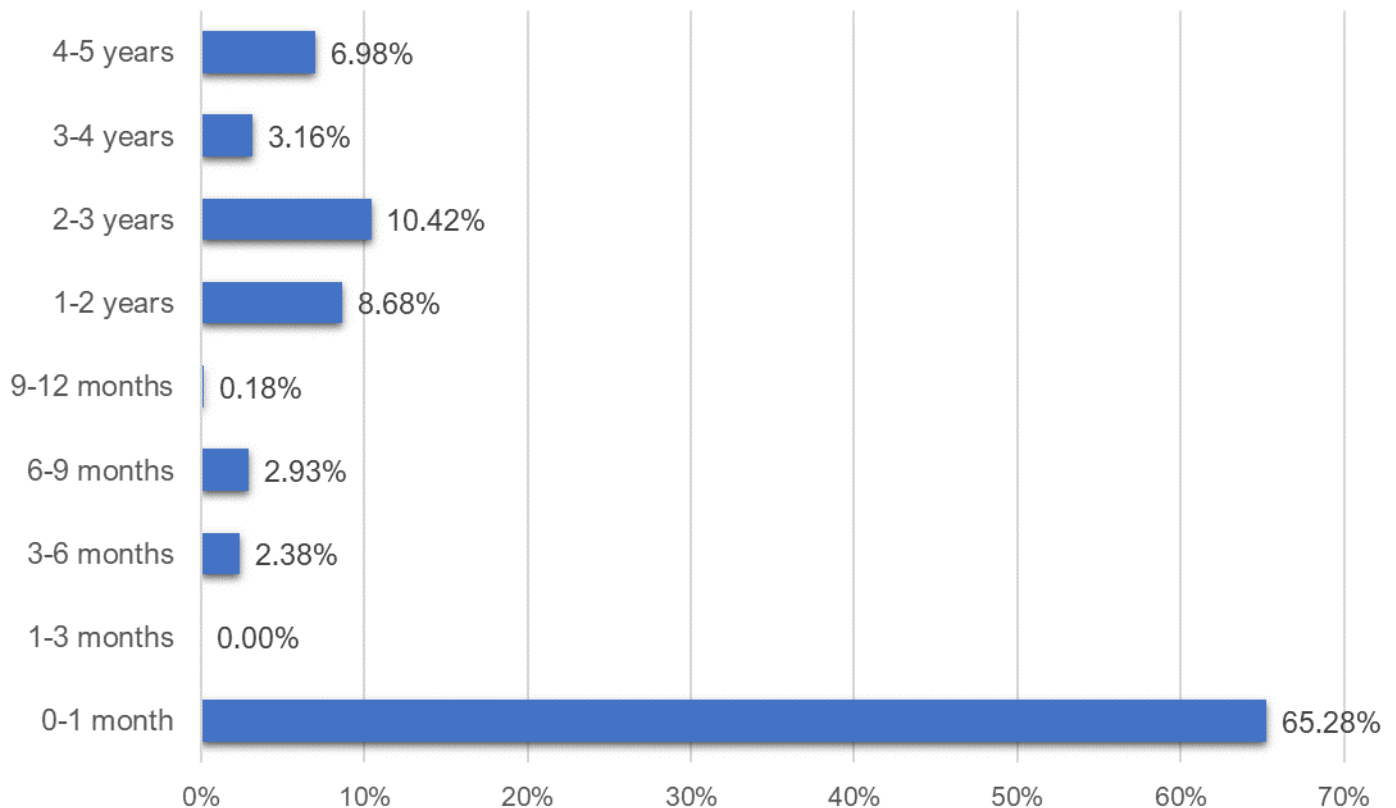
CAMP: California Asset Management Program Yield

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 August 1, 2023 through August 31, 2023, there were 3 odor related service request(s) received by the District.

City	Newark		
District Related:	No	Date/Time:	8/2/2023 11:15AM
Location:	Fair Court	Reported by:	Jody Perry
Weather/Temp:	Sunny / 72°F	Wind:	West / 7 mph
<p>Response and Follow-up: The City of Newark relayed a report to USD of a odor complaint from a Newark homeowner. A USD Trouble Call inspector arrived at the location to conduct an inspection. The inspector made attempts to contact the homeowner on the phone and at the home with no response. The inspector checked manhole (U13018) and found nothing of note, normal slow flow for the area. The gas detector did not pick up any abnormal readings. No unsanitary or odor causing conditions were observed around the property. The inspector spoke with a neighbor and a painting crew who were working at the residence, all reported they hadn't noticed any odors. The inspector left a voicemail with their findings and asked the homeowner to return the call to get more information or answer any questions.</p> <p>On 8/22/2023, the inspector made attempts to call the homeowner again to follow up. There was no response. The inspector went out to the location again and checked the manhole in front of the residence and no odor was present. A brochure was left at the residence with information to call for any questions.</p>			

City	Union City		
District Related:	No	Date/Time:	8/7/2023 10:59AM
Location:	Jean Court	Reported by:	Hao Nguyen
Weather/Temp:	Sunny / 82°F	Wind:	North West / 7 mph
<p>Response and Follow-up: Caller reported a sewer smell on the outside of their home. A USD Trouble Call Inspector responded to the location. No odor was detected upon arrival, nor was there visual evidence of unsanitary or odor causing conditions observed outside the home. The inspector checked US and DS MHs, flow was normal and no odor was detected from the sewer system. The inspector contacted the resident to report their findings. The resident shared that the smell is only present when they leave in morning, as they open their garage door. Because the resident was not on site at the location, access to backyard and exterior areas of the home was not available. The resident was asked to call again if the smell returned and when access would be available to further inspect the area.</p>			

Union Sanitary District Odor Map and Report

City	Fremont		
District Related:	No	Date/Time:	8/29/2023 4:55PM
Location:	Audrey Court	Reported by:	Neil
Weather/Temp:	Sunny / 80°F	Wind:	East / 8 mph

Response and Follow-up: Caller reported a foul odor/gas smell coming from the bathtub drain inside their residence. A USD Trouble Call Inspector arrived at the location. No odor was detected upon arrival. The inspector checked the upstream and downstream manholes, and storm D/I. The sewer system was flowing normal, no issues were observed. Utilized the gas detection monitor during inspection and no gases outside of the normal range were found. The inspector noted that no visual evidence of unsanitary or odor causing conditions surrounding the home were observed. Discussed findings with the homeowner.

Union Sanitary District Odor Map and Report



Legend

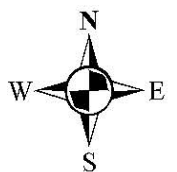
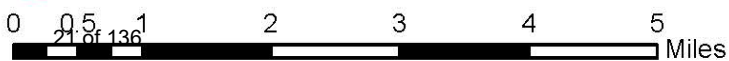
Odor Complaints: August 2023

- ★ Odor found, USD resolved (0)
- Odor found, not related to USD (0)
- ▲ No odor found (3)

Odor Complaints: Sep. 2022 to Jul. 2023

- ★ Odor found, USD resolved (1)
- Odor found, not related to USD (7)
- ▲ No odor found (16)

Location of Odor Reports September 2022 to August 2023





Customer Relations

2023 MONTHLY OPERATIONS REPORT

Customer Service Response

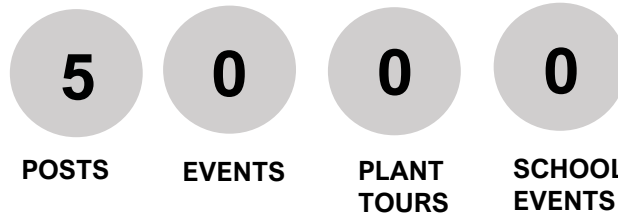
Front Desk Trouble Calls

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
Aug-23	9	1	2	12
Jul-23	9	2	3	14
Jun-23	8	0	1	9
May-23	6	1	3	10
Apr-23	13	0	2	15
Mar-23	14	5	1	20
6 Month Total				80
Aug-22	14	1	2	17

Communication and Outreach

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



Social Media Posts:

- What Is That? Surge Tower explanation
- Only flush the Three P's
- Use a commercial car wash
- Wipes labeling
- Don't flush medicines

Events:

- None

Other Activities:

- Website Updates
- Lateral repair/replacement article submitted to Tri-City Voice



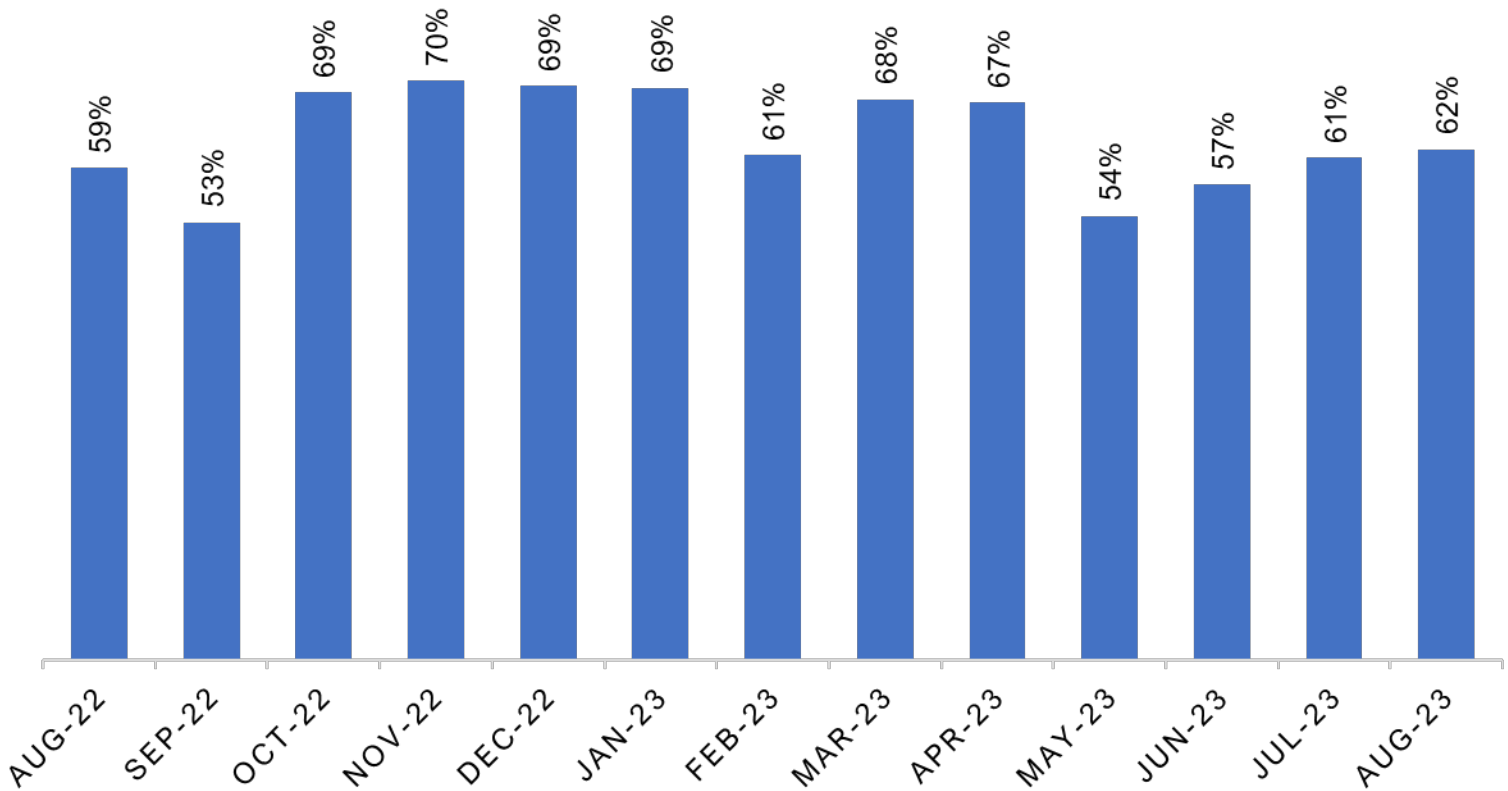
Plant Operations

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



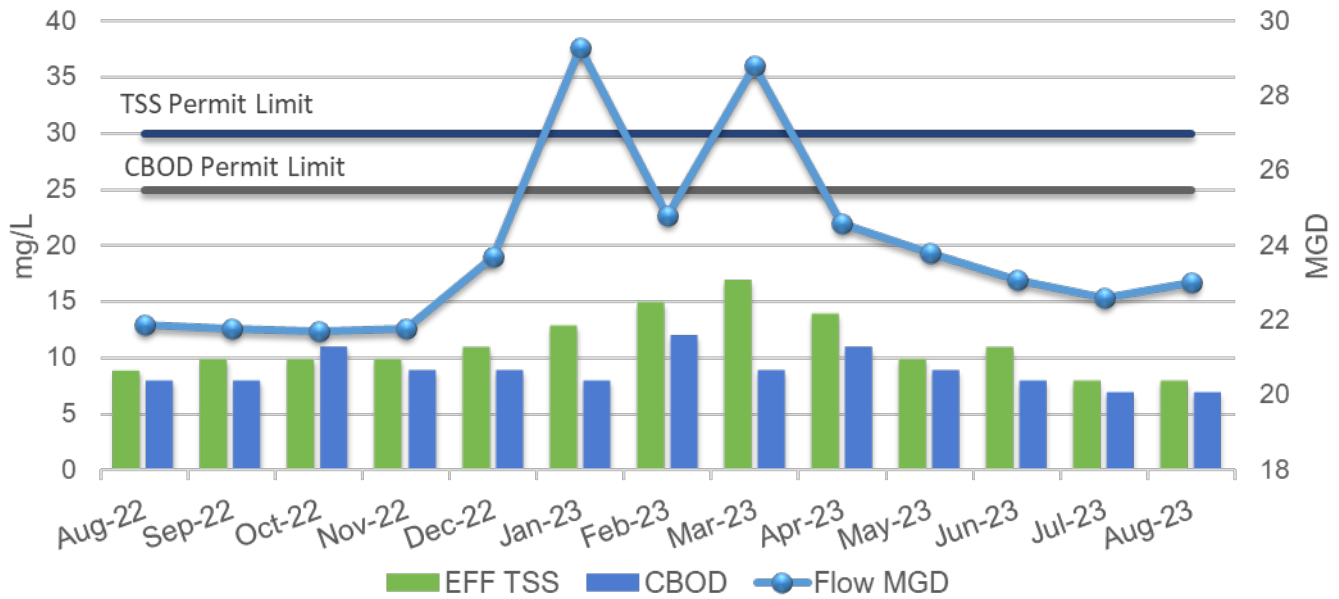
Plant Operations

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.

Lab Results and Effluent Flow



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

USD's Final Effluent Monthly Monitoring Results

Parameter	Permit Limit	Jun-23	Jul-23	Aug-23
Copper, µg/l	53	3.3	3.1	2.5
Mercury, µg/l	0.066	NA	NA	0.0022
Cyanide, µg/l	20	E 1.5	ND 1.1	ND 1.1
Ammonia- N, mg/L (Range)	86	40 - 44	44 - 45	40.8 - 47.2
Fecal Coliform, MPN/100ml (Range)				
• 5-Day Geometric Mean	500	34 - 46	24 - 47	23 - 35
• 11-Sample 90th Percentile	1100	93 - 199	93 - 96	66 - 93
Enterococci				
• 6-Week Geometric Mean	280	67	18	28

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

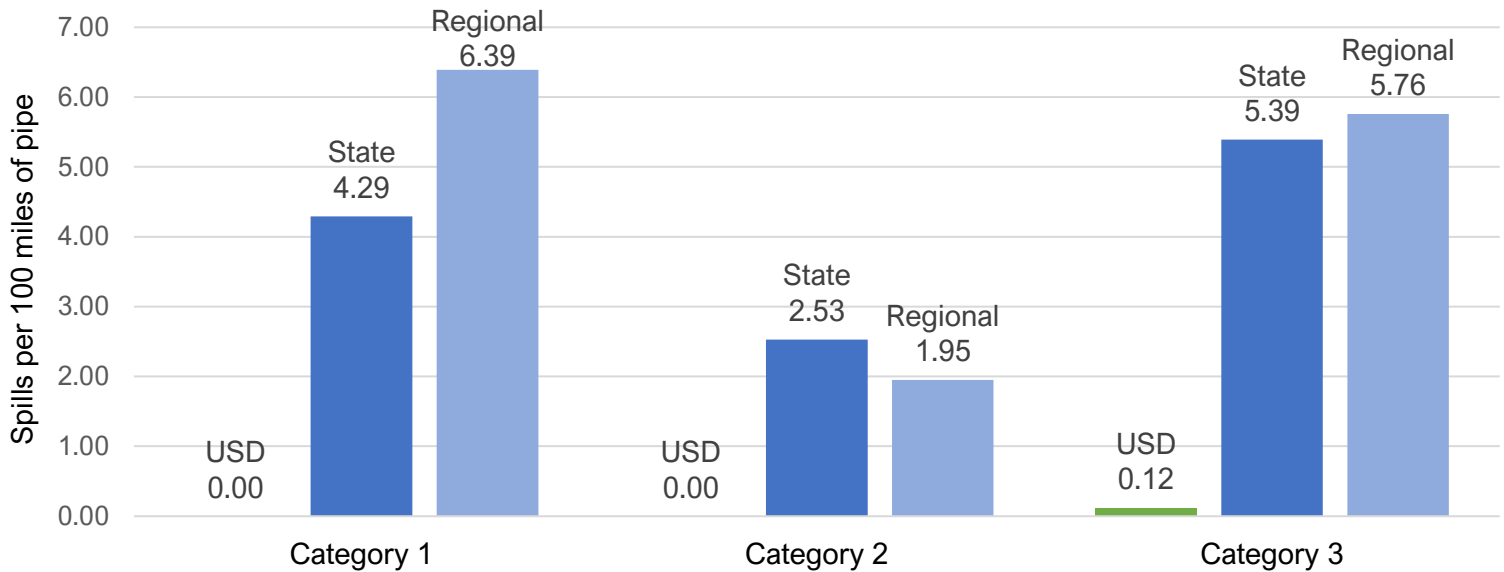


Maintenance Report

2023 MONTHLY OPERATIONS REPORT

Collection System Performance Report

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



NOTE: At the time of this report, the California State Water Resources Control Board spill reporting tool is reporting Category 1-3 Spills, no data is available for Category 4 Spills.

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.

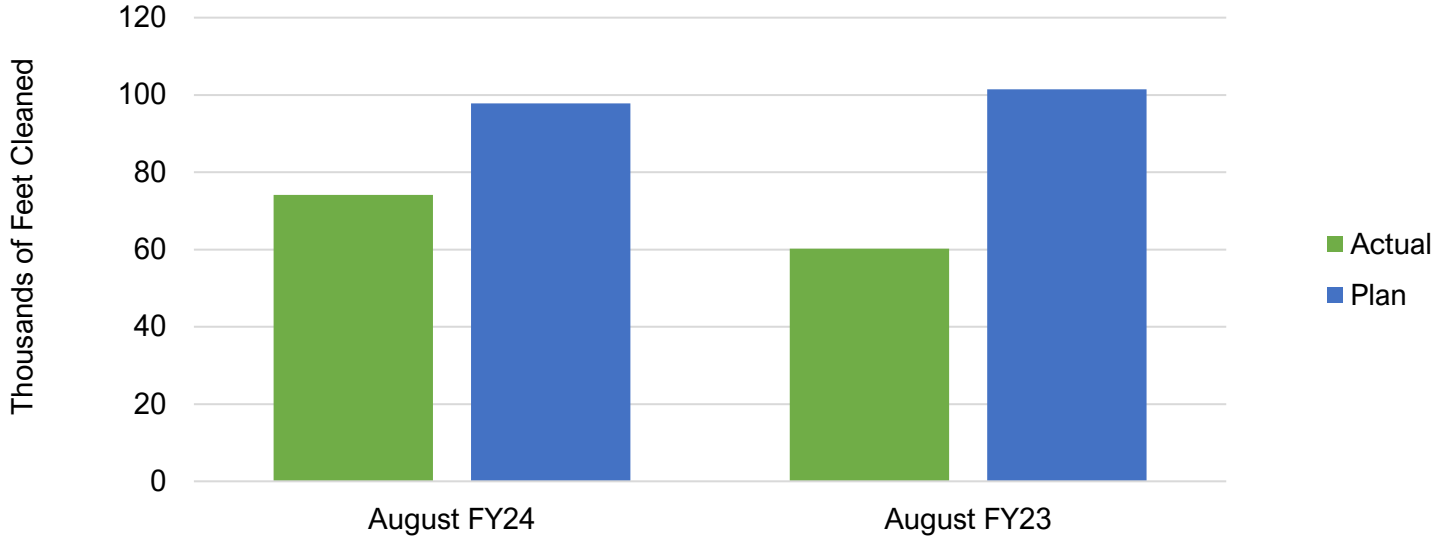
	This Month	Fiscal Year to Date	Historical Monthly Average
Sewer Line Repairs - # of Open Trench	4	5	0
Sewer Line Repairs - # of Trenchless	7	7	4
Work Orders Completed on Vehicles and Buildings	352	443	202



Maintenance Report

2023 MONTHLY OPERATIONS REPORT

Sewer Line Cleaning



Cleaning Cost per Foot=\$0.71

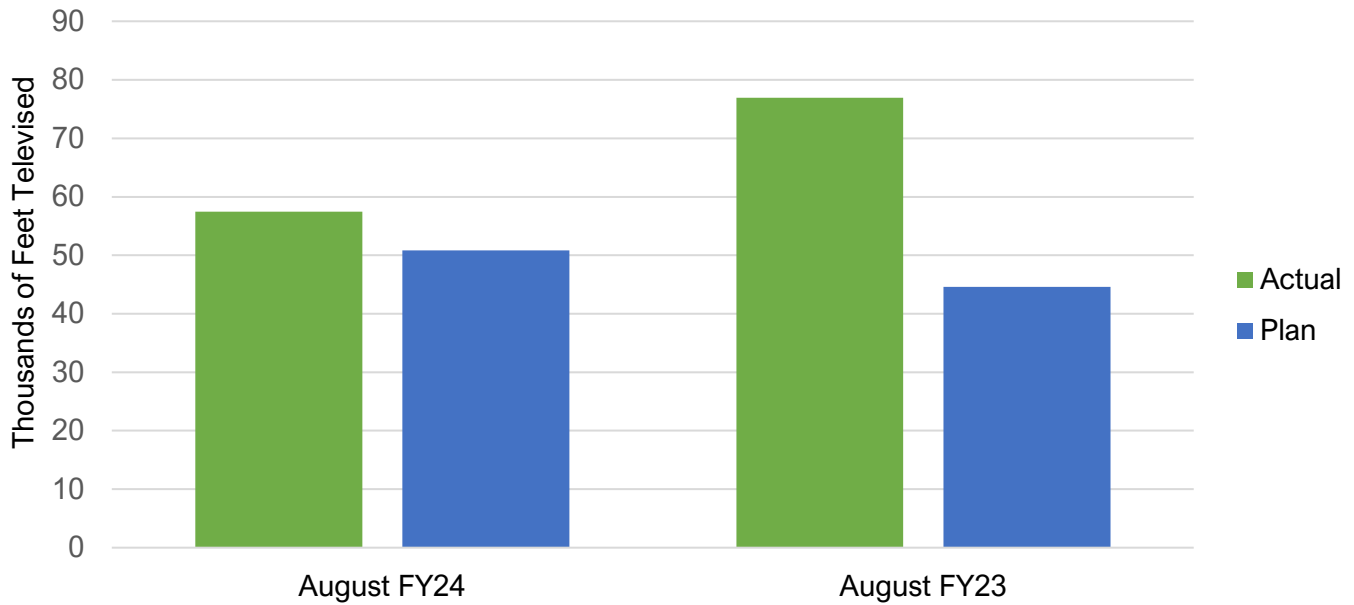
Description	Jun-23 Footage	July-23 Footage	Aug-23 Footage/Count	FY24 YTD	Historical FY23	FY24 YE Goal	% Completed to Plan
84 Month Hydro-Jet Clean	15,731	60,079	63,550	123,629	589,507	680,354	18.2%
Selective Line Cleaning	27,303	23,064	10,591	33,655	211,253	216,307	15.6%
Special Condition Clean (not in total)	18,486	1,648	5,219	6,867	36,554	28,940	23.7%
Root Control/Chemical Clean	3,826	-	-	-	420,273	277,200	0.0%
Cast Iron Cleaning	-	-	-	-	7,498	-	
Totals	46,860	83,143	74,141	157,284	1,228,528	1,173,861	13.4%



Maintenance Report

2023 MONTHLY OPERATIONS REPORT

Sewer Line Inspection and Televising



Televising Cost per Foot=\$0.71							
Description	Jun-23 Footage/ Count	July-23 Footage/ Count	Aug-23 Footage/ Count	FY24 YTD	Historical FY23	FY24 Goal	% Completed to Plan
84 Month TV Inspection	38,049	19,333	50,334	69,667	478,376	530,567	13.1%
84 Month Manhole Inspection Count	391	298	168	466	2,563	2,676	17.4%
Visual/Condition, Pre/Post Cnst TV (not in total)	-	-	-	-	10,483	11,704	0.0%
Visual Manhole Inspection Count (not in total)	85	1	8	9	247	-	-
New Development, CIP, Misc (not in total)	1,692	-	1,318	1,318	25,583	27,744	4.8%
QA/QC Line Condition	-	-	-	-	16,436	51,470	0.0%
QA/QC Root Control	-	-	7,122	7,122	41,050	27,744	25.7%
Totals	38,049	19,333	57,456	76,789	535,862	609,781	12.6%

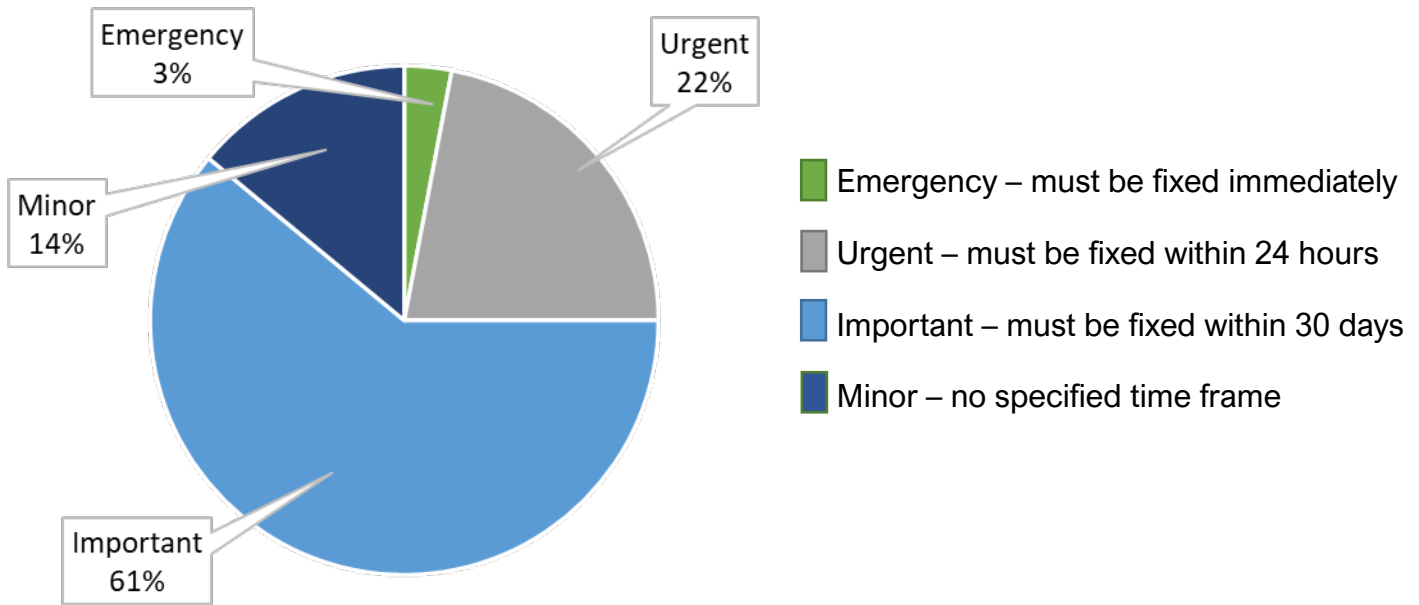


Maintenance Report

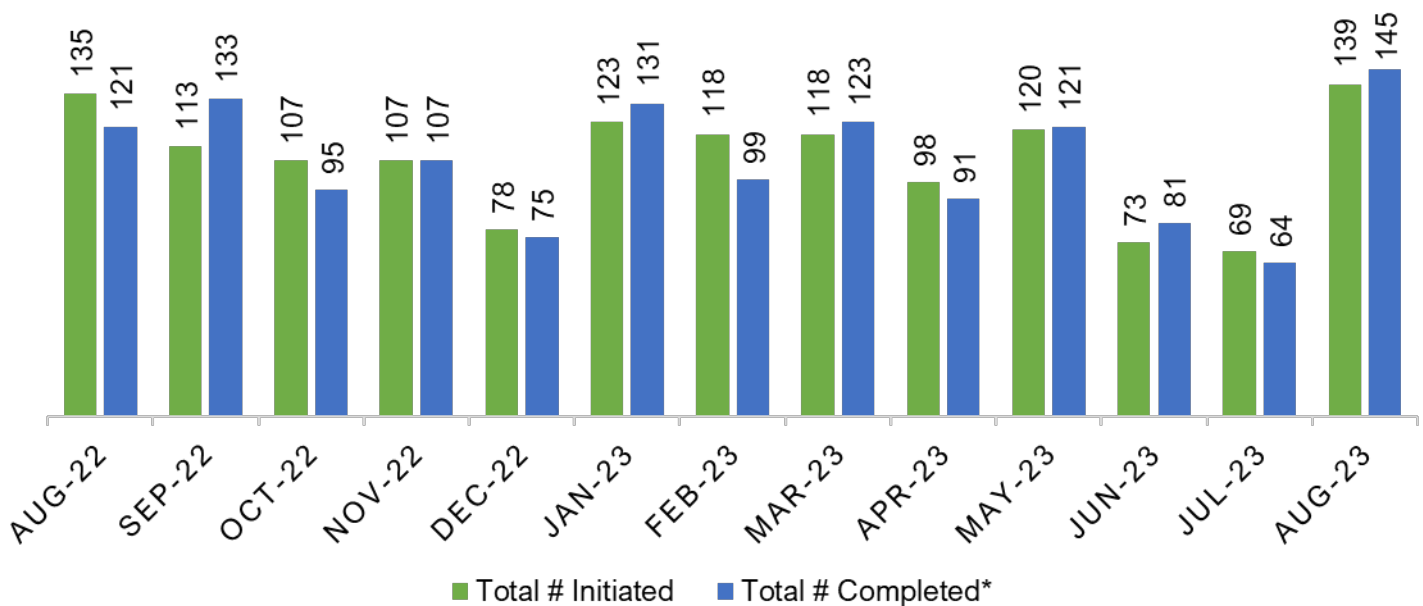
2023 MONTHLY OPERATIONS REPORT

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 98.25% 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.



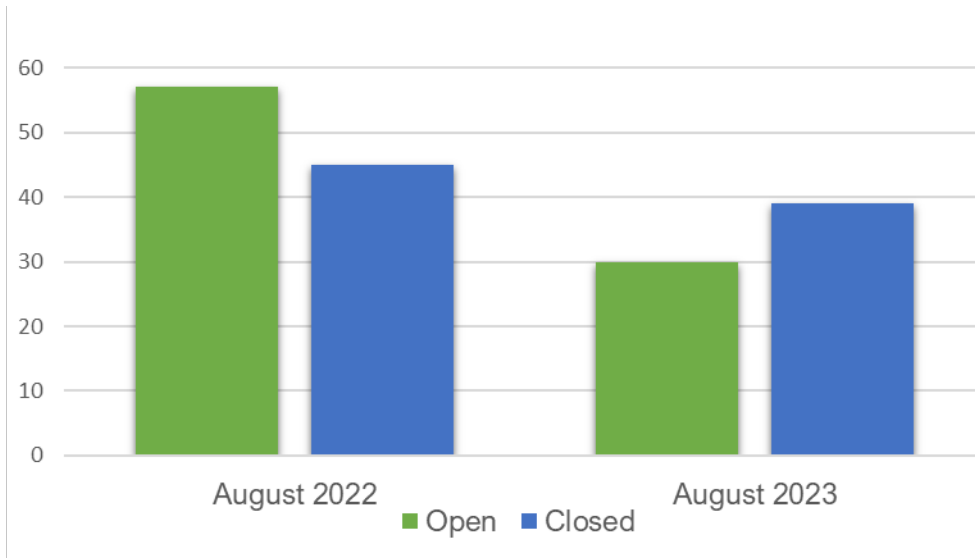
Maintenance Report

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	99.95%
Email Server	Hosted	100%
Newark Pump Station	USD Managed	99.99%
Boyce Pump Station	USD Managed	100%
Irvington Pump Station	USD Managed	100%
SCADA	USD Managed	100%
Total Average of All USD Servers	USD Managed	99.98%

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.



Customer Relations

2023 MONTHLY OPERATIONS REPORT

Customer Service Response

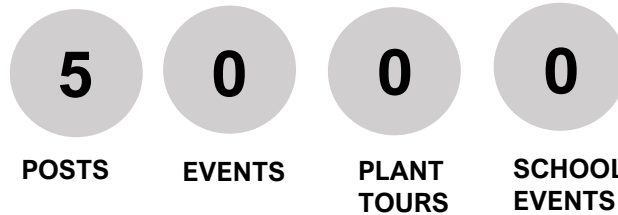
Front Desk Trouble Calls

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
Aug-23	9	1	2	12
Jul-23	9	2	3	14
Jun-23	8	0	1	9
May-23	6	1	3	10
Apr-23	13	0	2	15
Mar-23	14	5	1	20
6 Month Total				80
Aug-22	14	1	2	17

Communication and Outreach

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



Social Media Posts:

- What Is That? Surge Tower explanation
- Only flush the Three P's
- Use a commercial car wash
- Wipes labeling
- Don't flush medicines

Events:

- None

Other Activities:

- Website Updates
- Lateral repair/replacement article submitted to Tri-City Voice



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 (FY23) CIP Projects	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Irvington Basin Reinforced Concrete Pipe Rehabilitation Project	\$5,291	\$5,205	12/22	98%
2 – Plant Miscellaneous Improvements Project	\$5,544	\$0	9/24	0%
3 – Primary Digester No. 7 Project	\$23,783	\$22,901	5/22	99%
4 – Standby Power Generation System Upgrade Project	\$21,135	\$11,200	6/24	53%



Standby Power Generation System Upgrade Project



Capital Improvement Projects

2023 MONTHLY OPERATIONS REPORT

Design Phase – Budget and % of Completed Scope

Current (FY23) Design Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Force Main Corrosion Repairs Project – Phase 4	\$68	\$64	3/23	100%
2 – Pump Stations Chemical System Improvements Project	\$943	\$655	12/23	80%
3 – Switchboard No. 3 and MCC No. 25 Replacement Project	\$95	\$71	7/22	75%
4 – WAS Thickener Replacement Project	\$1,017	\$942	6/23	95%

Study Phase – Budget and % of Completed Scope

Current (FY23) Study Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Alvarado Basin Capacity and Condition Assessment	\$70	\$14	12/23	20%
2 – Cogeneration Replacement and Ventilation Study	\$142	\$137	7/22	98%
3 – Digester Efficiency Study	\$353	\$130	11/23	50%
4 – Energy Resiliency Study	\$256	\$271	12/22	98%
5 – Force Main Condition Assessment	\$121	\$60	10/22	70%
6 – Headworks Degritting Study	\$200	\$191	10/22	99%
7 – Primary Digester No. 8 Feasibility Study	\$111	\$137	9/22	90%
8 – Pump Stations Condition Assessment Study	\$250	\$234	8/22	100%
9 – Sea Level Rise Study	\$162	\$162	11/22	99%
10 – Thermal Dryer Feasibility Study	\$128	\$128	7/22	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
Aug-23	12	2	10	14	1	39
Jul-23	12	2	25	6	1	46
Jun-23	23	1	67	14	0	105

*New residential lateral connections

**Non-residential construction (*Restaurant count has been removed as they are not tracked within PTS*)

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
104	192	4	0	2	5	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
83	125	11	17	0	0	0	1	29

Permitted Industrial Businesses

City	Industrial Permits
Fremont	57
Newark	12
Union City	12

Examples of Permitted Industrial Businesses:

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



Staffing and Personnel

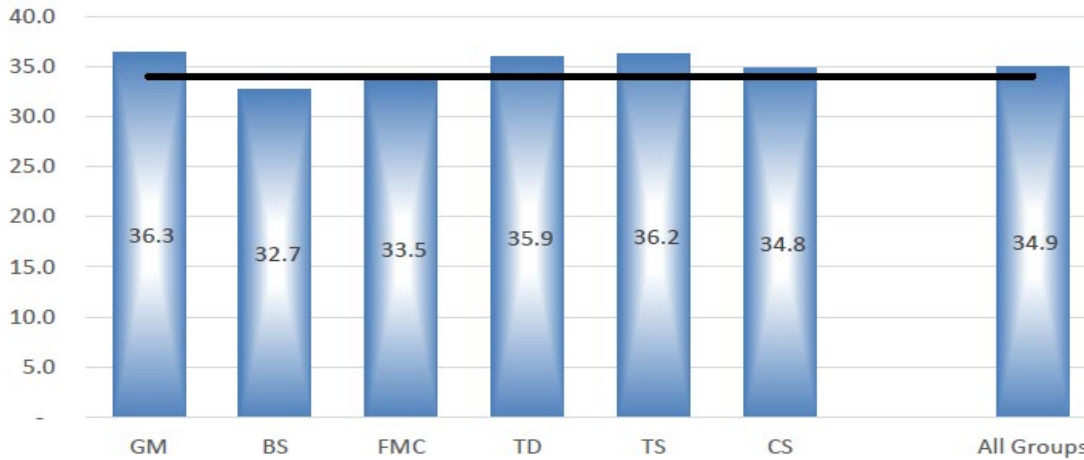
2023 MONTHLY OPERATIONS REPORT

Hours Worked and Leave Time by Work Group

June 22, 2023 through August 30, 2023

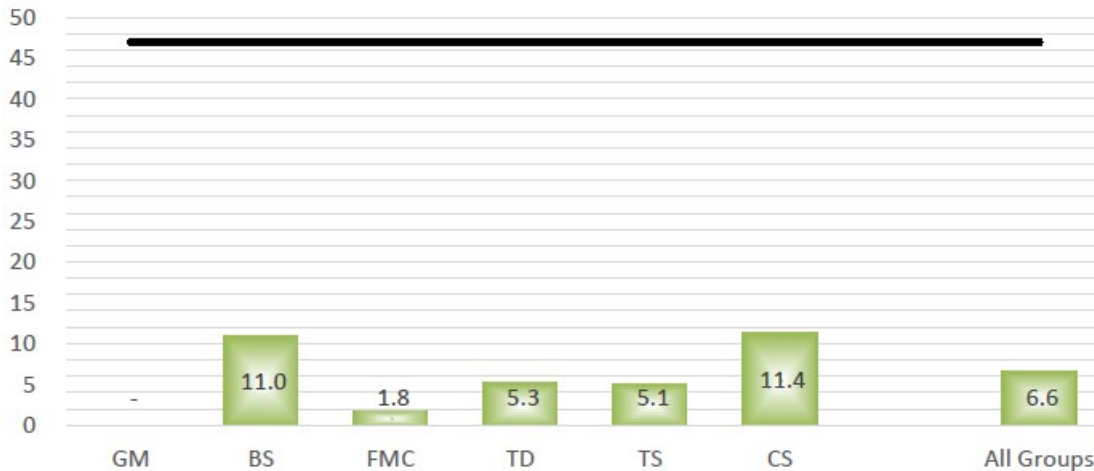
Weeks to Date 10 out of 52 (19.23%)

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
Junior/Assistant/Associate Engineer – CIP	4/20/2023	Offer made to top candidate. In background process.
Chemist I/II	6/23/2023	Christina Lanzatella-Craig – DOH 9/25/2023.
Accounting and Financial Analyst I	6/23/2023	Paris Jones – DOH 8/28/2023.
Mechanic I/II – Limited Duration	Useable List	Phil Kim – DOH 9/27/2023.



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

**SEPTEMBER 25, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 9**

TITLE: Consider Denial of Claim filed by Chung-Ho Chen in the Amount of \$100,000,000.00, for Injuries from a Fall (*This is a Motion Item*)

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Karen W. Murphy, General Counsel
J. Leah Castella, Assistant General Counsel
Skip Calvo, Purchasing Agent

Recommendation

Staff recommends the Board authorize the filing of a Notice of Rejection for the claim filed by Chung-Ho Chen.

Discussion

Chung-Ho Chen submitted a claim against the District dated August 4, 2023, for personal injuries from a fall. Claimant maintains that he was walking on a sidewalk near 40613 Encanto Way in Fremont and “stepped on a protruding metal wire and/or similar object and/or an uneven and/or deteriorating and/or broken and/or raised portion of the pavement and/or sidewalk causing him to fall and sustain injuries.” Claimant alleges that the District failed to secure the obstruction, failed to properly maintain the pavement or sidewalk and failed to warn the public of a dangerous condition. The Claimant claims \$100,000,000 worth of damages against the District.

District staff have investigated the alleged incident and determined that there are no District facilities at or near the location of the incident. It is recommended that the Board authorize the filing of a Notice of Rejection of claim.

Previous Board Action

None

Attachment: Claim Submitted by Claimant



Downtown L.A. Law Group, LLP
910 S Broadway
Los Angeles, California 90015
Phone: (213) 389-3765
Facsimile: (877) 389-2775
www.DowntownLALaw.com

August 4, 2023

Sent Via Certified Mail

Union Sanitary District
Attn Risk Management
5072 Benson Rd.
Union City, CA 94587

Client Name : **Chung-Ho Chen**
Date of Accident : **February 7, 2023**

To whom it may concern:

Please be advised that this firm has been retained by Chung-Ho Chen for representation related to claims against your company, for injuries and damages resulting from a direct and proximate result of the negligence of your company and its agents and employees, on February 07, 2023. A letter of designation has been attached for your reference. We have made several attempts to reach your office to obtain the proper claim form however, we have been unsuccessful. Below is the required information for the claim.

1. Chung-Ho Chen Address: 40613 Encanto Wy., Fremont, CA 94539; SSN: Pending; DOB: 5/29/1962; Please send correspondence to: Downtown LA Law Group; 910 S Broadway, Los Angeles, CA 90015.
2. Date of Incident: 02/07/2023; Occurrence: As Mr. Chun-Ho was walking on the sidewalk of Encanto Way near 40613 Encanto Wy., he stepped on a protruding metal wire and/or similar object and/or an uneven and/or deteriorating and/or broken and/or raised portion of the pavement and/or sidewalk causing him to fall and sustain injuries.
3. Union Sanitary District failed to properly secure the obstruction on the sidewalk and/or walkway, failed to properly maintain the pavement and/or sidewalk and failed to warn the general public of a dangerous condition.



Downtown L.A. Law Group, LLP
910 S Broadway
Los Angeles, California 90015
Phone: (213) 389-3765
Facsimile: (877) 389-2775
www.DowntownLALaw.com

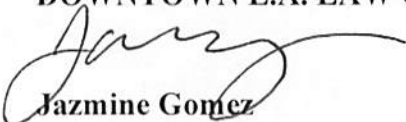
4. Injuries include but are not limited to: Traumatic head injuries, multiple osseous lesions and hypercellular bone marrow.
5. Medical records and bills are pending as Mr. Chen is ongoing treatment.
6. Amount claimed: \$100,000,000.00; Basis for computation; Bodily injuries, pain, and suffering.

This letter shall serve as a notice of claim. Should you need additional information please contact the undersigned.

Thank you for your attention to this matter.

Very truly yours,

DOWNTOWN L.A. LAW GROUP


Jazmine Gomez
Legal Assistant

Downtown LA Law Group
910 S BROADWAY
LOS ANGELES CA 90015-1610

\$4.98 US POSTAGE
FIRST-CLASS
Aug 04 2023
Mailed from ZIP 90015
1 OZ FIRST-CLASS MAIL LETTER
RATE
11923276



USPS CERTIFIED MAIL



9407 1118 9876 5418 5408 22

Union Sanitary District
Attn Risk Management
5072 BENSON RD
UNION CITY CA 94587-2508



Chung-Ho Chen



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

**SEPTEMBER 25, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 10**

TITLE: **Review and Consider Approval of the Construction Inspector I and II Position Descriptions and Construction Inspector I, II, and III Salary Ranges (*This is a Motion Item*)**

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

Recommendation

Consider and approve the Construction Inspector I and II position descriptions and the Construction Inspector I, II, and III salary range.

Discussion

With the departure of both Construction Inspectors, the District has taken the opportunity to review the team structure and job descriptions for the Construction Inspector series and its role on the Customer Services Team. After reviewing the positions, it was determined that the addition of permitting and plan review duties to the Construction Inspector series would help to meet the operational goals and needs of the District and its customers.

The Construction Inspectors perform all construction-related inspections and are the representative for the District in the field to ensure the work is performed pursuant to the District's requirements. The Construction Inspector role provides minimal backup relief to the Engineering Technicians, who perform the primary permitting and plan review duties and provide some construction inspection work on an as needed basis. The proposed changes to the job descriptions will help to provide the Construction I and Construction Inspector II levels with a pathway for learning the plan review and permitting work under supervision.

The addition of the permitting and plan review duties to the position descriptions will allow the positions to provide plan review and permitting assistance as the workload increases, helping to

ensure timely reviews. The Construction Inspector III job description was not revised at this time as the plan review and permit issuance duties are present in the current job description.

In recognition of the addition of the permitting and plan review duties, the salary range for these positions has been updated to reflect a 3% increase. The salary range for the Construction Inspector III was also adjusted to minimize salary compaction between the II and III positions. The salary ranges have been updated to the following:

Construction Inspector I- The pay range will increase from \$100,978.18 - \$122,739.55 to \$104,007.50 - \$126,421.80 annually. This represents a 3% increase over the current salary range.

Construction Inspector II- The pay range will increase from \$111,075.74 - \$135,013.22 to \$114,408.02 - \$139,063.61 annually. This represents a 3% increase over the current salary range.

Construction Inspector III- The pay range will increase from \$115,519.04 - \$140,414.14 to \$118,984.61 - \$144,622.40 annually. This represents a 3% increase over the current salary range.

Background

The Construction Inspector I, II, and III are current classifications for the Customer Services Team (CST). All three positions are represented by SEIU Local 1021 and classified as Non-Exempt.

Previous Board Action

Original positions approved by the Board of Directors January 11, 1993. Last revised in March 2010 and August 2017.

Attachments

- Redlined Construction Inspector I Position Description
- Revised Construction Inspector I Position Description
- Redlined Construction Inspector II Position Description
- Revised Construction Inspector II Position Description

Construction Inspector I

Class Code

1110

UNION SANITARY DISTRICT

Established Date: Jan 11, 1993

Revision Date: ~~July~~ September ~~XX~~25, 2023

SALARY RANGE

\$50.00 - \$60.77 Hourly

\$4,000.29 - \$4,862.37 Biweekly

\$8,667.29- \$10,535.15 Monthly

\$104,007.50 - \$126,421.80 Annually

Description

Under ~~general-direct~~ supervision in a team environment, the Construction Inspector I performs routine inspections inspects of construction, repairs, and rehabilitation of main sewers, building sewers, and other ~~sewer~~ collection system facilities; learns how to and coordinates work between District crews and contractors; learns how to and recognizes non-compliance with District standards and project plans and specifications; investigates problems in the field and reports findings; assists with field checking and surveys; learns to and may assist with-and conducts preliminary and/or final reviews of engineering plans for the purpose of issuing permits for construction, repairs, and rehabilitation of main sewers, building sewers, and other collection system facilities; performs related work as required and other duties as assigned.

This classification is alternately staffed, and a Construction Inspector I may advance to Construction Inspector II after gaining experience and achieving proficiency to meet the requirements of the higher level class.

Examples of Duties

Perform field inspections to Ensure-ensure that contractors adhere to District ordinances, resolutions, standard ~~specifications~~specifications, and any other District requirements; schedule inspections; learn how to and verify that construction methods, equipment, standards, workmanship, and quantity and quality of materials meet District plans and specifications; report deviations from District standards; photograph and document field activities.

Learn to and usUse District computer databases such as the permitting database to track a project's status, track lot and unit approvals, issue deficiency notices, and accept and close out projects.

~~Learn to and~~ Coordinate work between District crews and contractors to facilitate sewer work such as the installation of stubs and wyes, CCTV inspections, channeling manholes, and cleaning lines.

Inspect building laterals ~~leading that connect into to~~ District mains for compliance with District specifications.

Participate in construction project meetings.

Observe proper safety precautions, rules, regulations, and practices and report concerns; learn to maintain District equipment, materials, and worksite in proper and safe condition in accordance with team practices and District policy; actively participate in the team and District safety programs.

Perform simple mathematical calculations; ~~learn to~~ check cut sheets for line and grade for compliance with project plans and District standard specifications.

Perform inspections of parcels ~~in order~~ to verify current tenants and land usage at the site, as directed, for updating of the assessor map changes and for the annual field check inspections of non-residential parcels.

Assist in performing field surveys.

~~Participate in construction project meetings.~~

Review survey data and procedures to verify that line, grade, and location have been properly established; learn to secure samples for conducting tests of concrete, ~~aggregares~~ aggregates, and other construction materials.

~~Learn to r~~Retrieve and access information regarding District records and assets such as microfiche, GIS, Computerized Maintenance Management System (CMMS), construction drawings and details, block books, permits, County Assessor's maps, project data sheets, tract maps, improvement plans, project plans, and engineering drawings.

Keep records of progress of construction work; estimate quantity of construction; maintain a diary of field activities; make verbal and written reports.

Revise As-built drawings to reflect field changes in construction.

Remain current on pertinent information and developments in the construction inspection, civil engineering, and construction technology fields.

Learn and may assist in reviews of engineering plans submitted by developers, contractors and/or consultants for conformance with District standards and ordinances; track plan check and permit

process using a computerized tracking system; provide basic information to contractors, developers, engineers, and others regarding the status of projects.

In consultation with the Customer Service Coach, learn and may assist in the issuance of permits for sewer construction; coordinate sewer construction work between engineering staff, collection system, and contractor; use District ordinances and fee schedules to calculate plan check, inspection, connection, and other related fees for developers' projects; provide information to contractors, developers, engineers, and others regarding status of projects.

May assist staff in providing general and specific information to developers, contractors, design consultants, the public, and staff on District specifications, ordinances, and policies as needed.

Incumbents will perform any other duties that are appropriate for the scope and level of responsibility of this classification.

Qualifications

Education and Experience: Any combination of education and experience that provides the knowledge, skills, and abilities indicated below. A typical way of gaining the knowledge, skills, and abilities is:

Completion of high school and one year's ~~related of~~ experience related to the construction and/or inspection of sanitary sewer mains and facilities. ~~A One~~ year of related technical training, including course work in construction principles and methodology, construction inspection, computer-aided drafting, and/or engineering, may be substituted for ~~the~~ one year of experience.

Knowledge of: Basic construction inspection principles, practices, and methods, related to wastewater collection systems and civil engineering principles, practices, and methods related to land/construction surveying, general mathematics, including geometry;- Working knowledge of basic OSHA standards as they related relate to sanitary sewer construction; ~~principles of mathematics as related to engineering inspection; principles of elementary land surveying.~~

Skill in: ~~Checking sanitary sewer construction projects for compliance~~ Interpreting and applying District specifications, ordinances, and policies; construction inspection, other office and field work; understanding construction project plans and specifications, engineering principles and techniques; maintaining accurate records; communicating orally and in writing with others; making basic engineering calculations.

Ability to: Understand and carry out oral and written instructions in English; quickly learn District standard specifications; learn to set priorities and work on several assignments under time pressures and deadlines; learn to interpret and explain District specifications, ordinances, policies, and construction project plans and specifications; learn to inspect projects for compliance with USD standards, project specifications, and contractual agreements; learn testing procedures ~~related to~~ using District equipment; learn to use basic surveying instruments; ~~read,~~

~~interpret, and understand construction project plans and specifications; learn to file and maintain records in a concise and accurate manner;~~ learn to prepare clear and concise daily diary and other construction inspection reports; learn to convert hard copy documents into digital media; learn to deal tactfully, effectively, courteously, and firmly with customers, contractors, consultants, other public agencies, the general public, and ~~other~~ District staff.

Interpersonal Effectiveness: ~~Can~~ Must be able to work effectively in a team-based organization focused on continuous improvement; establish and maintain a positive customer service attitude and effective working relationships with internal and external customers; demonstrate strong two-way communication skills, including the ability to listen, explain, and facilitate; ask for and provide input; offer help without being asked; accept and make suggestions; work with others to solve problems; provide recognition and encouragement.

Licenses, Certificates, or Credentials: Must possess a valid Class C California driver's license, have and maintain a satisfactory driving record, and be insurable by the District to operate District vehicles.

Other Requirements: Must possess the physical characteristics to perform the critical and important duties of the class.

Additional Information

Disaster Service Worker

Employees of Union Sanitary District are, by State and Federal law, Disaster Service Workers. In the event of a declaration of emergency, any employee may be assigned activities that promote the protection of public health and safety or the preservation of lives and property, either at the District or within the local or their own community.

Approved Board of Directors: January 11, 1993

Position status: Classified, Non-exempt (Technical, Subjourney-level)

Recruitment: Internal and External

Construction Inspector I
Class Code
1110

UNION SANITARY DISTRICT
Established Date: Jan 11, 1993
Revision Date: September 25, 2023

SALARY RANGE

\$50.00 - \$60.77 Hourly
\$4,000.29 - \$4,862.37 Biweekly
\$8,667.29- \$10,535.15 Monthly
\$104,007.50 - \$126,421.80 Annually

Description

Under direct supervision in a team environment, the Construction Inspector I inspects construction, repairs, and rehabilitation of main sewers, building sewers, and other collection system facilities; learns how to and coordinates work between District crews and contractors; learns how to and recognizes non-compliance with District standards and project plans and specifications; investigates problems in the field and reports findings; assists with field checking and surveys; learns to and may assist with preliminary and/or final reviews of engineering plans for the purpose of issuing permits for construction, repairs, and rehabilitation of main sewers, building sewers, and other collection system facilities; performs related work as required and other duties as assigned.

This classification is alternately staffed, and a Construction Inspector I may advance to Construction Inspector II after gaining experience and achieving proficiency to meet the requirements of the higher level class.

Examples of Duties

Perform field inspections to ensure that contractors adhere to District ordinances, resolutions, standard specifications, and any other District requirements; schedule inspections; learn how to and verify that construction methods, equipment, standards, workmanship, and quantity and quality of materials meet District plans and specifications; report deviations from District standards; photograph and document field activities.

Use District computer databases such as the permitting database to track a project's status, track lot and unit approvals, issue deficiency notices, and accept and close out projects.

Coordinate work between District crews and contractors to facilitate sewer work such as the installation of stubs and wyes, CCTV inspections, channeling manholes, and cleaning lines.

Inspect building laterals that connect to District mains for compliance with District specifications.

Participate in construction project meetings.

Observe proper safety precautions, rules, regulations, and practices and report concerns; learn to maintain District equipment, materials, and worksite in proper and safe condition in accordance with team practices and District policy; actively participate in the team and District safety programs.

Perform simple mathematical calculations; check cut sheets for line and grade for compliance with project plans and District standard specifications.

Perform inspections of parcels to verify current tenants and land usage at the site, as directed, for updating of the assessor map changes and for the annual field check inspections of non-residential parcels.

Assist in performing field surveys.

Review survey data and procedures to verify that line, grade, and location have been properly established; learn to secure samples for conducting tests of concrete, aggregates, and other construction materials.

Retrieve and access information regarding District records and assets such as microfiche, GIS, Computerized Maintenance Management System (CMMS), construction drawings and details, block books, permits, County Assessor's maps, project data sheets, tract maps, improvement plans, project plans, and engineering drawings.

Keep records of progress of construction work; estimate quantity of construction; maintain a diary of field activities; make verbal and written reports.

Revise As-built drawings to reflect field changes in construction.

Remain current on pertinent information and developments in the construction inspection, civil engineering, and construction technology fields.

Learn and may assist in reviews of engineering plans submitted by developers, contractors and/or consultants for conformance with District standards and ordinances; track plan check and permit process using a computerized tracking system; provide basic information to contractors, developers, engineers, and others regarding the status of projects.

In consultation with the Customer Service Coach, learn and may assist in the issuance of permits for sewer construction; coordinate sewer construction work between engineering staff, collection system, and contractor; use District ordinances and fee schedules to calculate plan check,

inspection, connection, and other related fees for developers' projects; provide information to contractors, developers, engineers, and others regarding status of projects.

May assist staff in providing general and specific information to developers, contractors, design consultants, the public, and staff on District specifications, ordinances, and policies as needed.

Incumbents will perform any other duties that are appropriate for the scope and level of responsibility of this classification.

Qualifications

Education and Experience: Any combination of education and experience that provides the knowledge, skills, and abilities indicated below. A typical way of gaining the knowledge, skills, and abilities is:

Completion of high school and one year's of experience related to the construction and/or inspection of sanitary sewer mains and facilities. One year of related technical training, including course work in construction principles and methodology, construction inspection, computer-aided drafting, and/or engineering, may be substituted for one year of experience.

Knowledge of: Basic construction inspection principles, practices, and methods, related to wastewater collection systems and civil engineering principles, practices, and methods related to land/construction surveying, general mathematics, including geometry. Working knowledge of basic OSHA standards as they relate to sanitary sewer construction.

Skill in: Interpreting and applying District specifications, ordinances, and policies; construction inspection, other office and field work; understanding construction project plans and specifications, engineering principles and techniques; maintaining accurate records; communicating orally and in writing with others.

Ability to: Understand and carry out oral and written instructions in English; quickly learn District standard specifications; learn to set priorities and work on several assignments under time pressures and deadlines; learn to interpret and explain District specifications, ordinances, policies, and construction project plans and specifications; learn to inspect projects for compliance with USD standards, project specifications, and contractual agreements; learn testing procedures using District equipment; learn to use basic surveying instruments; learn to file and maintain records in a concise and accurate manner; learn to prepare clear and concise daily diary and other construction inspection reports; learn to convert hard copy documents into digital media; learn to deal tactfully, effectively, courteously, and firmly with customers, contractors, consultants, other public agencies, the general public, and District staff.

Interpersonal Effectiveness: Must be able to work effectively in a team-based organization focused on continuous improvement; establish and maintain a positive customer service attitude and effective working relationships with internal and external customers; demonstrate strong

two-way communication skills, including the ability to listen, explain, and facilitate; ask for and provide input; offer help without being asked; accept and make suggestions; work with others to solve problems; provide recognition and encouragement.

Licenses, Certificates, or Credentials: Must possess a valid Class C California driver's license, have and maintain a satisfactory driving record, and be insurable by the District to operate District vehicles.

Other Requirements: Must possess the physical characteristics to perform the critical and important duties of the class.

Additional Information

Disaster Service Worker

Employees of Union Sanitary District are, by State and Federal law, Disaster Service Workers. In the event of a declaration of emergency, any employee may be assigned activities that promote the protection of public health and safety or the preservation of lives and property, either at the District or within the local or their own community.

Approved Board of Directors: January 11, 1993

Position status: Classified, Non-exempt (Technical, Subjourney-level)

Recruitment: Internal and External

Construction Inspector II

Class Code: 1111

UNION SANITARY DISTRICT

Established Date: Jan 11, 1996

Revision Date: ~~Jun 10, 2013~~ July XX3, 2023

SALARY RANGE

~~\$53,405.00~~ - ~~\$64,916.86~~ Hourly
~~\$4,272.14~~, ~~400.31~~ - ~~\$5,192.82~~, ~~5,348.60~~ Biweekly
~~\$9,256.31~~, ~~534.00~~ - ~~\$11,251.10~~, ~~588.63~~ Monthly
~~\$111,075.74~~, ~~114,408.02~~ - ~~\$135,013.22~~, ~~139,063.61~~ Annually

DESCRIPTION:

Under general supervision in a team environment, the Construction Inspector II duties will include: inspects construction, repairs, and rehabilitation of main sewers, building sewers, and other collection system facilities; coordinates work between District crews and contractors; acts as the field representative for the District; recognizes and reports non-compliance with project plans and specifications; conducts and investigates problems in the field, attempts to resolve them and reports unresolved findings; conducts ~~assists in~~ preliminary and/or final reviews of engineering plans for the purpose of issuing permits for construction, repairs, and rehabilitation of main sewers, building sewers, and other collection system facilities; performs related work as required and other duties as assigned.

~~This~~ The Construction Inspector II is a journey-level classification, fully competent to perform a wide variety of inspections requiring the ability to exercise independent judgment within established guidelines, policies, and procedures. Incumbents at this level may require direction on more complex and technical assignments.

This class is alternately staffed, and a Construction Inspector II may advance to Construction Inspector ~~III~~ III after gaining experience and achieving proficiency to meet the requirements of the ~~higher-level~~ higher-level class.

EXAMPLES OF DUTIES:

~~Ensure~~ Perform field inspections to ensure that contractors adhere to District ordinances, resolutions, standard specifications, and any other District requirements; schedule inspections; verify that construction methods, equipment, standards, workmanship, and quantity and quality of materials meet District plans and specifications; confer with contractor's field representatives and District staff concerning work or materials that deviate from contract plans or specifications; ensure appropriate corrective measures are applied; photographs and documents field activities.

Use District computer databases such as the permitting database to track a project's status, track lot and unit approvals, issue deficiency notices, and accept and close out projects.

Coordinate work between District crews and contractors to facilitate sewer work such as the

installation of stubs and wyes, CCTV inspections, channeling manholes, and cleaning lines.

Inspect building laterals that connect to District mains for compliance with District specifications.

Act as the District's field representative with property owners, contractors, and other public agencies to ensure quality customer service.

Participate in construction project meetings.

Observe proper safety precautions, rules, regulations, and practices and report concerns; maintain District equipment, materials, and worksites in proper and safe condition in accordance with ~~team~~Team practices and District policy; actively participate in team and District safety programs.

Perform varied mathematical calculations; check cut sheets for line and grade for compliance with project plans and District standard specifications.

Perform inspections of parcels ~~in order~~ to verify current tenants and land usage at the site, as directed, for updating of the assessor map changes and for the annual field check inspections of non-residential parcels.

Serve on surveying parties; reduce and plot field survey notes; maintain survey records; review survey data and procedures to verify that line, grade, and location have been properly established.

Collect samples for conducting tests of concrete, aggregates, and other construction materials.

Retrieve and access information regarding District records and assets such as microfiche, GIS, Computerized Maintenance Management System (CMMS), construction drawings and details, block books, permits, County Assessor's maps, project data sheets, tract maps, improvement plans, project plans, and engineering drawings.

Keep records of progress of construction work; estimate quantity of construction; maintain a diary of field activities; make verbal and written reports.

Revise As-built drawings to reflect field changes in construction.

Remain current on pertinent information and developments in the construction inspection, civil engineering, and construction technology fields.

May assist in conducting reviews of engineering plans submitted by developers, contractors and/or consultants for conformance with District standards and ordinances; track plan check and permit process using a computerized tracking system; provide information to contractors, developers, engineers, and others regarding the status of projects.

Act Fill in for the Engineering Technicians on a relief basis as assigned by the Coach. When filling in for the Engineering Technicians, duties shall include:

~~Conduct reviews of engineering plans submitted by developers, contractors and/or consultants for conformance with District standards and ordinances; track plan check and permit process using a computerized tracking system; provide information to contractors, developers, engineers, and others regarding the status of projects.~~

~~In consultation with the Customer Service Coach, may assist in the issuance of permits for sewer construction; coordinate sewer construction work between engineering staff, collection system, and contractor; use District ordinances and fee schedules to calculate plan check, inspection, connection, and other related fees for developers' projects; provide information to contractors, developers, engineers, and others regarding status of projects.~~

~~Provide general and specific information to developers, contractors, design consultants, the public, and staff on District specifications, ordinances, and policies as needed.~~

Incumbents will perform any other duties that are appropriate for the scope and level of responsibility of this classification.

QUALIFICATIONS:

Education and Experience: Any combination of education and experience that provides the knowledge, skills, and abilities indicated below. A typical way of gaining the knowledge, skills, and abilities is:

Completion of high school and four years of related experience related to the construction and/or inspection of sanitary sewer mains and facilities (one year of technical training that includes coursework in construction principles and methodology, construction inspection, computer-aided drafting, or engineering may be substituted for one year of outside experience) or three years of related experience, including one year as a Construction Inspector I at the District.

Knowledge of: Basic construction inspection principles, practices, and methods, related to wastewater collection systems and civil engineering principles, practices, and methods related to land/construction surveying, general mathematics, including geometry. ~~construction; standards for collection system construction including~~ Working knowledge of basic OSHA standards as they relate ~~related~~ to sanitary sewer construction; ~~principles of mathematics as relate to engineering inspection; principles of elementary land surveying.~~

Skill in: ~~Checking sanitary sewer construction projects for compliance; interpreting~~ Interpreting and applying District specifications, ordinances, and policies; construction inspection, surveying and performing other office and field work; understanding construction project plans and specifications, engineering principles and techniques; maintaining accurate records; communicating orally and in writing with others. ~~making basic engineering calculations.~~

Ability to: Set priorities and work on several concurrent assignments under time pressures and deadlines; interpret and explain District specifications, ordinances policies, Read, interpret, and understand construction project plans; ~~and specifications; quickly learn District policies and~~

~~specifications~~; inspect projects for compliance with USD standards, project specifications and contractual agreements; perform testing using District equipment; file and maintain records in a concise and accurate manner; prepare clear and concise daily diary and other construction reports; use basic surveying instruments; conversion of hard copy documents into digital media, understand and follow oral and written instructions in English; deal tactfully, effectively, courteously, and firmly with customers, contractors, consultants, other ~~public~~ agencies, the general public, and ~~other~~ District staff.

Interpersonal Effectiveness: ~~Can~~Must be able to work effectively in a team-based organization focused on continuous improvement; establish and maintain a positive customer service attitude and effective working relationships with internal and external customers; demonstrate strong two-way communication skills, including the ability to listen, explain, and facilitate; ask for and provide input; offer help without being asked; accept and make suggestions; work with others to solve problems; provide recognition and encouragement.

Licenses, Certificates, or Credentials: Must possess a valid Class C California driver's license, have and maintain a satisfactory driving record, and be insurable by the District to operate District vehicles.

Other Requirements: Must possess the physical characteristics to perform the critical and important duties of the class.

ADDITIONAL INFORMATION:

Disaster Service Worker

Employees of Union Sanitary District are, by State and Federal law, Disaster Service Workers. In the event of a declaration of emergency, any employee may be assigned activities that promote the protection of public health and safety or the preservation of lives and property, either at the District or within the local or their own community.

Approved Board of Directors: January 11, 1993

Position status: Classified, Non-exempt (Technical, Journey-level) Recruitment: Internal and External

Construction Inspector II

Class Code: 1111

UNION SANITARY DISTRICT

Established Date: Jan 11, 1996

Revision Date: September 25, 2023

SALARY RANGE

\$55.00 - \$66.86 Hourly

\$4,400.31 - \$5,348.60 Biweekly

\$9,534.00- \$11,588.63 Monthly

\$114,408.02 - \$139,063.61 Annually

DESCRIPTION:

Under general supervision in a team environment, the Construction Inspector II inspects construction, repairs, and rehabilitation of main sewers, building sewers, and other collection system facilities; coordinates work between District crews and contractors; acts as the field representative for the District; recognizes and reports non-compliance with project plans and specifications; conducts and investigates problems in the field, attempts to resolve them and reports unresolved findings; assists in preliminary and/or final reviews of engineering plans for the purpose of issuing permits for construction, repairs, and rehabilitation of main sewers, building sewers, and other collection system facilities; performs related work as required and other duties as assigned.

The Construction Inspector II is a journey-level classification, fully competent to perform a wide variety of inspections requiring the ability to exercise independent judgment within established guidelines, policies, and procedures. Incumbents at this level may require direction on more complex and technical assignments.

This class is alternately staffed, and a Construction Inspector II may advance to Construction Inspector III after gaining experience and achieving proficiency to meet the requirements of the higher-level class.

EXAMPLES OF DUTIES:

Perform field inspections to ensure that contractors adhere to District ordinances, resolutions, standard specifications, and any other District requirements; schedule inspections; verify that construction methods, equipment, standards, workmanship, and quantity and quality of materials meet District plans and specifications; confer with contractor's field representatives and District staff concerning work or materials that deviate from contract plans or specifications; ensure appropriate corrective measures are applied; photographs and documents field activities.

Use District computer databases such as the permitting database to track a project's status, track lot and unit approvals, issue deficiency notices, and accept and close out projects.

Coordinate work between District crews and contractors to facilitate sewer work such as the

installation of stubs and wyes, CCTV inspections, channeling manholes, and cleaning lines.

Inspect building laterals that connect to District mains for compliance with District specifications.

Act as the District's field representative with property owners, contractors, and other public agencies to ensure quality customer service.

Participate in construction project meetings.

Observe proper safety precautions, rules, regulations, and practices and report concerns; maintain District equipment, materials, and worksites in proper and safe condition in accordance with Team practices and District policy; actively participate in team and District safety programs.

Perform varied mathematical calculations; check cut sheets for line and grade for compliance with project plans and District standard specifications.

Perform inspections of parcels to verify current tenants and land usage at the site, as directed, for updating of the assessor map changes and for the annual field check inspections of non-residential parcels.

Serve on surveying parties; reduce and plot field survey notes; maintain survey records; review survey data and procedures to verify that line, grade, and location have been properly established.

Collect samples for conducting tests of concrete, aggregates, and other construction materials.

Retrieve and access information regarding District records and assets such as microfiche, GIS, Computerized Maintenance Management System (CMMS), construction drawings and details, block books, permits, County Assessor's maps, project data sheets, tract maps, improvement plans, project plans, and engineering drawings.

Keep records of progress of construction work; estimate quantity of construction; maintain a diary of field activities; make verbal and written reports.

Revise As-built drawings to reflect field changes in construction.

Remain current on pertinent information and developments in the construction inspection, civil engineering, and construction technology fields.

May assist in conducting reviews of engineering plans submitted by developers, contractors and/or consultants for conformance with District standards and ordinances; track plan check and permit process using a computerized tracking system; provide information to contractors, developers, engineers, and others regarding the status of projects.

In consultation with the Customer Service Coach, may assist in the issuance of permits for sewer construction; coordinate sewer construction work between engineering staff, collection system, and contractor; use District ordinances and fee schedules to calculate plan check, inspection, connection,

and other related fees for developers' projects; provide information to contractors, developers, engineers, and others regarding status of projects.

Provide general and specific information to developers, contractors, design consultants, the public, and staff on District specifications, ordinances, and policies as needed.

Incumbents will perform any other duties that are appropriate for the scope and level of responsibility of this classification.

QUALIFICATIONS:

Education and Experience: Any combination of education and experience that provides the knowledge, skills, and abilities indicated below. A typical way of gaining the knowledge, skills, and abilities is:

Completion of high school and four years of related experience related to the construction and/or inspection of sanitary sewer mains and facilities (one year of technical training that includes coursework in construction principles and methodology, construction inspection, computer-aided drafting, or engineering may be substituted for one year of outside experience) or three years of related experience, including one year as a Construction Inspector I at the District.

Knowledge of: Basic construction inspection principles, practices, and methods, related to wastewater collection systems and civil engineering principles, practices, and methods related to land/construction surveying, general mathematics, including geometry. Working knowledge of basic OSHA standards as they relate to sanitary sewer construction.

Skill in: Interpreting and applying District specifications, ordinances, and policies; construction inspection, other office and field work; understanding construction project plans and specifications, engineering principles and techniques; maintaining accurate records; communicating orally and in writing with others.

Ability to: Set priorities and work on several concurrent assignments under time pressures and deadlines; interpret and explain District specifications, ordinances policies, construction project plans; inspect projects for compliance with USD standards, project specifications and contractual agreements; perform testing using District equipment; file and maintain records in a concise and accurate manner; prepare clear and concise daily diary and other construction reports; use basic surveying instruments; conversion of hard copy documents into digital media, understand and follow oral and written instructions in English; deal tactfully, effectively, courteously, and firmly with customers, contractors, consultants, other agencies, the general public, and District staff.

Interpersonal Effectiveness: Must be able to work effectively in a team-based organization focused on continuous improvement; establish and maintain a positive customer service attitude and effective working relationships with internal and external customers; demonstrate strong two-way communication skills, including the ability to listen, explain, and facilitate; ask for and provide input; offer help without being asked; accept and make suggestions; work with others to solve problems; provide recognition and encouragement.

Licenses, Certificates, or Credentials: Must possess a valid Class C California driver's license, have and maintain a satisfactory driving record, and be insurable by the District to operate District vehicles.

Other Requirements: Must possess the physical characteristics to perform the critical and important duties of the class.

ADDITIONAL INFORMATION:

Disaster Service Worker

Employees of Union Sanitary District are, by State and Federal law, Disaster Service Workers. In the event of a declaration of emergency, any employee may be assigned activities that promote the protection of public health and safety or the preservation of lives and property, either at the District or within the local or their own community.

Approved Board of Directors: January 11, 1993

Position status: Classified, Non-exempt (Technical, Journey-level) Recruitment: Internal and External



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

**SEPTEMBER 25, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 11**

TITLE: Award the Construction Contract for the Force Main Corrosion Repairs Project – Phase 4 to Cratus Inc. *(This is a Motion Item)*

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

Recommendation

Staff recommends the Board waive one bid irregularity and award the construction contract, including Bid Alternates C through K, for the Force Main Corrosion Repairs Project – Phase 4 (Project) to Cratus Inc. (Cratus) in the amount of \$2,041,500.

Discussion

The Project is the last phase of the Force Main Corrosion Repairs Project and will address the remaining repairs at manholes located on the eastern force main between Newark Pump Station and Irvington Pump Station (Figures 3 through 7). The scope also includes chemical injection grouting of manholes to eliminate groundwater infiltration and various access improvements at locations throughout the force main alignment (Figures 8 through 14).

The Project was advertised for bids on July 25, 2023. Staff opened three bids on August 29, 2023. To encourage bidders to submit actual bid values for the base bid and bid alternates, staff utilized the “blind bid” process that was previously used for the Alvarado Influent Pump Station Improvements Project and the Primary Digester No. 2 Rehabilitation Project. This bid process allows the District to review the bid values without knowledge of the bidders’ names and then decide which alternatives to use to determine the apparent lowest bidder. More details on this process are outlined in the background section of this report.

After assessing the Project scope and bid prices and reviewing the CIP budget, staff decided to include Bid Alternates C through K with the Total Base Bid in determining the apparent lowest bidder. Bid Alternates A and B were for pre-negotiated pricing to perform additional repairs to the force main as needed during construction. However, since the pricing received for these bid alternates was significantly higher than the Engineer’s Estimate for this work, staff determined that this work could be completed later if deemed necessary. The bid results are summarized in the table below and in the attached Table 1:

Contractor	Total Base Bid plus Bid Alternates C through K
Cratus Inc. San Francisco, CA	\$2,041,500
Power Engineering Construction Co. Alameda, CA	\$2,360,687
McGuire and Hester Alameda, CA	\$3,400,300

The Engineer’s Estimate for the Total Base Bid plus Bid Alternates C through K is \$2,443,000. The bids ranged from 16.4% below to 39.2% above the Engineer’s Estimate.

Staff reviewed the bid documents submitted by the apparent lowest bidder, Cratus, and found one minor irregularity. On the bid schedule, Cratus entered \$485,500 in the space provided for the summation of the Total Base Bid plus Bid Alternates A through K. However, this amount was only the summation of Bid Alternates A through K and did not include the Base Bid. Cratus has since confirmed that this was just a clerical mistake and that they will construct the Project as bid. In consultation with the District’s legal counsel, staff recommends that the Board waive this minor bid irregularity.

The Notice of Intent to Award was posted on August 30, 2023. No bid protests were received by the District. Cratus is a General Engineering Class A licensed contractor that has successfully completed projects for the District, including Phases 1 and 2 of the Force Main Corrosion Repairs Project.

The contractor has 350 calendar days to complete the Project from the Notice to Proceed, which puts the estimated substantial completion in October 2024. Staff plans to hire a consultant to provide construction management and inspection services for the Project.

Background

The District operates and maintains the transport system that consists of three pump stations and three lift stations and approximately 12½ miles of twin force main pipelines. The transport

system conveys wastewater from the Irvington and Newark drainage basins to the Alvarado Wastewater Treatment Plant (Plant).

Force main facilities include 78 manholes along the pipeline alignment (Figures 1 and 2). Of the 78 manholes, 46 of them provide access into the force main pipelines via a manway inside the manholes, and each manway is sealed with a blind flange. At the other 32 manholes, appurtenances such as air release valves or blow off valves are connected to the blind flanges.

The air release valves are located at the higher elevations of the force main pipelines to allow air from the pipelines to vent in order to maintain the full hydraulic capacity of the pipelines. The blow off valves are located at the lower elevations of the force main pipelines to allow staff to drain the wastewater from the pipelines when there is a need to remove as much wastewater as possible, typically for a long-term outage for maintenance or construction activities. This doesn't happen very often but if there is a need to do so, staff will need to set up pumps and hoses to connect the blow off valves to the closest sanitary sewer manhole.

These facilities were installed over 40 years ago, as part of the original force main construction. Over time, the presence of groundwater, moisture, and the buildup of hydrogen sulfide gas in these force main manholes have caused many of the manways, blind flanges, and appurtenances to become corroded. This corrosion is of primary concern, as failure of any single element could precipitate a leak from the force main pipeline.

Condition Assessment

In 2004, the District's Force Main Study included a condition assessment of the interior and exterior of the buried force main piping that was constructed of reinforced concrete pipe. The study found the piping to be in good condition and recommended an internal inspection every 10 years and an external inspection every 20 years. In 2016, the District hired Woodard & Curran (formerly RMC Water and Environment) to conduct the internal inspection of the force main piping as it is taken out of service for the District's Force Main Corrosion Repairs Project.

In 2011, the District conducted a condition assessment of the force main equipment located in the Irvington Valve Box, Newark Influent and Effluent Valve Boxes, and Alvarado Influent Valve Box. These valve boxes are part of the transport system that delivers wastewater to the Plant and primarily house large diameter cement mortar coated steel piping, knife gate valves, and flanged coupling adaptors (FCAs). The assessment found the existing FCAs were experiencing corrosion and recommended them for replacement. The assessment also recommended refurbishment or replacement of the valves. In 2012, the District completed two phases of the Force Main Improvements Project to replace corroded FCAs, and to rehabilitate and replace knife gate valves on the force main pipelines located within the valve boxes.

Force Main Corrosion Repairs Projects

During the summer of 2015, staff performed visual inspection inside all 78 force main manholes, and conducted non-destructive testing on elements with the worst corrosion conditions. In the fall of 2015 through the spring of 2016, staff hired Carollo Engineers to review and evaluate the data collected during the inspections and testing; as a result, they recommended that all corroded elements within the 78 manholes be rehabilitated or replaced.

In 2016, staff hired West Yost Associates to complete preliminary design services that outlined a plan to accomplish the repairs in several phases.

Phase 1 of the Force Main Corrosion Repairs Project addressed repairs in the manholes on the eastern force main between the Newark Pump Station and the Plant, and construction was completed in October 2017.

Phase 2 of the Force Main Corrosion Repairs Project addressed repairs in the manholes on the western force main between the Newark Pump Station and the Plant, and construction was completed in August 2018.

Phase 3 of the Force Main Corrosion Repairs Project addressed repairs in the manholes on the western force main between the Irvington Pump Station and the Newark Pump Station, and construction was completed in November 2022.

Phase 4 of the Force Main Corrosion Repairs Project will address repairs in the manholes on the eastern force main between the Irvington Pump Station and the Newark Pump Station. The Project will also include chemical grouting of manholes to eliminate groundwater infiltration and various access improvements at locations throughout the force mains that were deferred to this last phase of repairs.

Scope of Work

West Yost Associates completed the design in July 2023. The bid documents included the following improvements:

Bid Item	Scope
Base Bid	<ul style="list-style-type: none">• Repair of air release valve, blow off, and access manholes on the eastern force main between the Irvington Pump Station (IPS) and the Newark Pump Station (NPS).• Dewatering of the eastern force main between IPS and NPS and within the manholes to facilitate the manhole repairs.• Grouting of manholes to eliminate groundwater infiltration at up to fourteen manholes located between IPS and NPS.

	<ul style="list-style-type: none"> Replacement or recoating of several safety and force main marker bollards at various locations between IPS and NPS.
Bid Alternate A	Potential additional blow off piping repairs at up to two Type “C” blow off manholes.
Bid Alternate B	Potential additional blow off piping repairs at one Type “D” blow off manholes.
Bid Alternate C	Chemical grouting of manholes to eliminate groundwater infiltration at up to nine manholes located between NPS and the Plant.
Bid Alternate D	Morton Ave location access improvements. Remove existing turf block around the manholes and install new decomposed granite driveway.
Bid Alternate E	Newark Sportsfield Park locations access improvements. Regrading and adding new sloped ramps around the manholes at both Sportsfield locations.
Bid Alternate F	Auto Mall Parkway location access improvements. Remove and replace the existing fence gate at the entrance of this location. Install new decomposed granite road to the manholes to replace the existing gravel road.
Bid Alternate G	Auto Mall ARV location access improvements. Extend the curb and asphalt slab around the manholes.
Bid Alternate H	Cushing Parkway 5 location access improvements. Replace the deteriorated slab around the manholes with new concrete slab.
Bid Alternate I	Cushing Parkway 1 location access improvements. The road next to the manholes were improved and raised by another agency. The retaining wall and manholes will be raised to match the new elevation of the road.
Bid Alternate J	Coyote Hills location access improvements. The ground around the manholes will be raised to be flushed with top of the manholes and construct new sloped ramps.
Bid Alternate K	Gate Blvd. location access improvements. New sloped ramps to the manholes. Minor piping modifications inside the manhole.

Bid Process

Because of the high number and value of the bid alternates in the Project and to encourage bidders to submit actual bid values for the base bid and bid alternates, staff implemented a “blind bid” process under the guidance of legal counsel. Pursuant to the Public Contract Code Section 20103.8(d), determination of the apparent lowest bidder would be based upon an evaluation of the Base Bid and Bid Alternates in accordance with a process that prevents any information that would identify any of the bidders or proposed subcontractors or suppliers from being revealed to a District evaluation team, before the ranking of all bidders from lowest to highest has been

determined. Without knowing in advance which Bid Alternates will be selected to determine the apparent lowest bidder, it is assumed that the bidders would be compelled to use actual values for all the bid items. Below is a summary of the Project's bid opening process:

- At the time the bids were due, an evaluation team, comprised of management and project staff, convened behind closed doors. A proctor monitored the room and took custody of cell phones, computers, and other electronic devices while the evaluation team was in the room.
- In the Board Room, the Purchasing Agent publicly announced the base bid price and price of each bid alternate upon opening of the bids. Staff recorded pricing information on a summary sheet identifying the bidders by number only. The summary sheet was provided to the proctor who delivered it to the evaluation team.
- The evaluation team reviewed the pricing information on the summary sheet and evaluated different combinations of the Base Bid and Bid Alternates. After assessing the Project scope and bid prices and reviewing the CIP budget, the team decided to include the Base Bid and Bid Alternates C through K in determining the apparent lowest bidder.
- At the conclusion of the closed-door evaluation, the evaluation team delivered the executed summary sheet, with all selected bid items circled and tallied, back to the proctor for delivery to the General Manager.
- Staff transmitted a Notice of Intent to Award to the bidders and posted it at the District's office.

Previous Board Action

January 23, 2017, the Board authorized the General Manager to execute Task Order No. 2 with West Yost Associates in the amount of \$113,464 to provide design services for the Force Main Corrosion Repairs Project – Phase 1.

June 12, 2017, the Board awarded the construction contract for the Force Main Corrosion Repairs Project – Phase 1 to Cratus Inc. in the amount of \$821,000.

July 10, 2017, the Board authorized the General Manager to execute Task Order No. 3 with West Yost Associates in the amount of \$33,085 to provide design support services during the construction of the Force Main Corrosion Repairs Project – Phase 1.

October 9, 2017, the Board authorized the General Manager to execute Task Order No. 4 with West Yost Associates in the amount of \$62,248 to provide design services for the Force Main Corrosion Repairs Project – Phase 2.

December 4, 2017, the Board accepted the construction of the Force Main Corrosion Repairs Project – Phase 1 from Cratus Inc.

March 26, 2018, the Board awarded the contract for the Force Main Corrosion Repairs Project – Phase 2 to Cratus Inc. in the amount of \$931,800.

October 8, 2018, the Board accepted the construction of the Force Main Corrosion Repairs Project – Phase 2 from Cratus Inc.

October 22, 2018, the Board authorized the General Manager to execute Task Order No. 6 with West Yost Associates in the amount of \$59,533 to provide engineering services during construction of the Force Main Corrosion Repairs Project – Phase 3.

April 11, 2022, the Board awarded the construction contract for the Force Main Corrosion Repairs Project – Phase 3 to Power Engineering Construction Co. in the amount of \$1,063,672.

April 25, 2022, the Board authorized the General Manager to execute an agreement and Task Order No. 1 with Quincy Engineers, Inc. in the amount of \$494,790 to provide construction management and inspection services for the Irvington Basin Reinforced Concrete Pipe Rehabilitation Project and Force Main Corrosion Repairs Project – Phase 3.

October 24, 2022, the Board authorized the General Manager to execute Task Order No. 8 with West Yost Associates in the amount of \$68,178 to provide design services for the Force Main Corrosion Repairs Project – Phase 4.

December 12, 2022, the Board authorized the General Manager to execute an Amendment No. 1 to Task Order No. 1 with Quincy Engineers, Inc. in the amount of \$117,187 to provide additional construction management and inspection services for the Irvington Basin Reinforced Concrete Pipe Rehabilitation Project and the Force Main Corrosion Repairs Project – Phase 3.

June 26, 2023, the Board accepted the construction of the Force Main Corrosion Repairs Project – Phase 3 from Power Engineering Construction Co.

Attachments: Figures 1 and 2 – Location Maps
Figure 3 through 14 - Photos
Table 1 – Bid Tabulation Sheet
Agreement



Last Saved: 12/6/2016 3:06:21 PM. N:\Clients\256 USD\14-16-48 FM Corrosion Repairs\GIS\MXD\Figure1_ConditionRatings_SouthEast.mxd .mxd

- Legend**
- ⊕ Access Manhole
 - ⊕ Access/Blow Off Combination
 - △ ARV
 - Blow Off
 - Rating 1
 - Rating 2
 - Rating 3
 - Not Inspected
 - LS Lift Station
 - PS Pump Station
 - Twin 33" Force Mains
 - Twin 39" Force Mains

Notes:
 1. Rating 1 requires immediate attention.
 2. Rating 2 requires repair in 2-3 years.
 3. Rating 3 requires repair after 3 years or place on PM schedule.

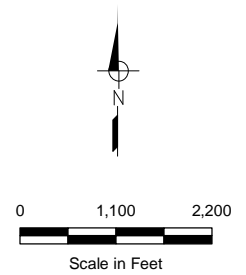


Figure 1
Irvington Pump Station to Newark Pump Station
Manhole Condition Ratings
 Union Sanitary District
 Force Main Manhole Corrosion Repairs



Notes:
 1. Rating 1 requires immediate attention.
 2. Rating 2 requires repair in 2-3 years.
 3. Rating 3 requires repair after 3 years or place on PM schedule.

Legend	
⊕	Access Manhole
⊕	Access/Blow Off Combination
△	ARV
○	Blow Off
●	Rating 1
●	Rating 2
●	Rating 3
●	Not Inspected
LS	Lift Station
PS	Pump Station
WWTP	Alvarado Treatment Plant
—	Twin 33" Force Mains
—	Twin 39" Force Mains

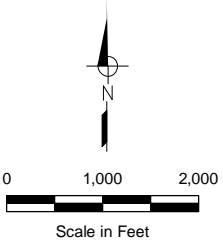


Figure 2
Newark Pump Station to Alvarado Treatment Plant Manhole Condition Ratings
 Union Sanitary District
 Force Main Manhole Corrosion Repairs

Figures 3-10 (Photos)



Figure 3 – Manway at Cargill Salt Fields North Access Manhole



Figure 4 – Blind Flange at Boyce Road Access Manhole



Figure 5 – Valve at Automall ARV Manhole



Figure 6 – Blowoff Tube at Cherry Street Blowoff Manhole



Figure 7 – ARV Piping at Cargill ARV Manhole



Figure 8 – Bollard at Cherry St. ARV Manhole



Figure 9 – Turf Block Pad at Morton Avenue Access Manholes



Figure 10 – Grading and Retaining Wall at Cushing Parkway No. 1 Access Manhole



Figure 11 – Cargill Salt Fields South Manhole to be Abandoned



Figure 12 – Auto Mall Parkway Access Improvements, New Gate Replacement and Regrading
Access Road



Figure 13 – Coyote Hills ARV Access Improvements, New Aggregate Access Pad Flush with Top of Manholes and New Retaining Wall

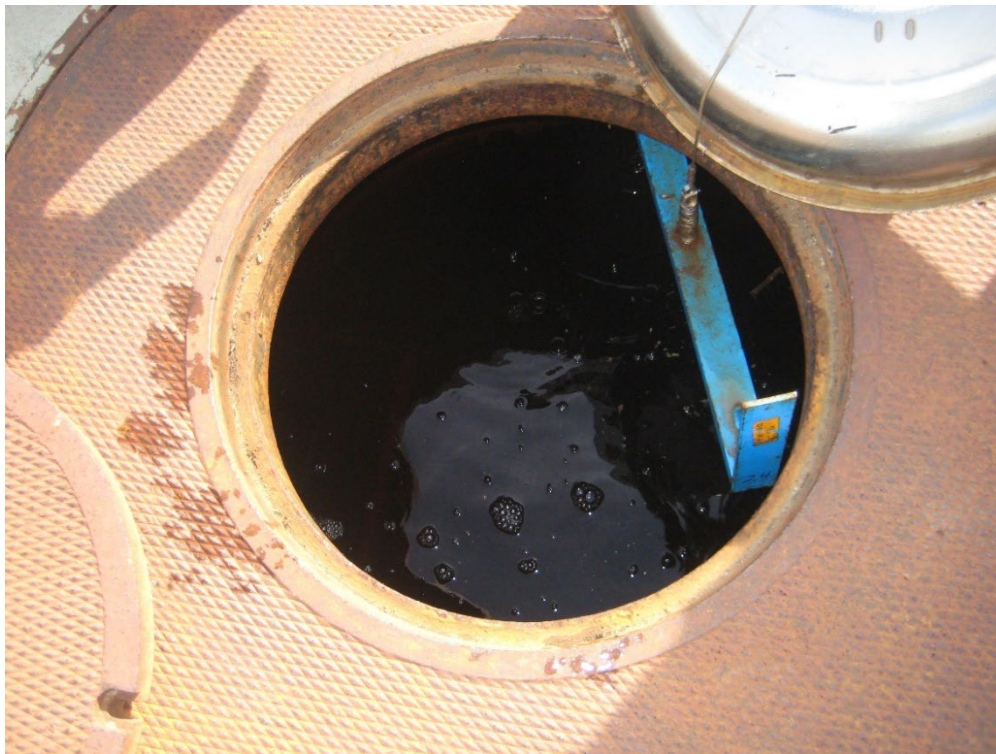


Figure 14 – Auto Mall Parkway, Example of Manhole Submerged with Water Requiring Chemical Grout Injection

Table 1 - Bid Tabulation Sheet
Force Main Corrosion Repairs Project- Phase 4 No. 800-575

Bid Item No.	Bid Item Description	Estimated Quantity	Unit	Engineer's Estimate		Cratus Inc.		Power Engineering Construction Co.		McGuire and Hester	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	Mobilization/Demobilization	1	LS	LS	\$ 78,000	LS	\$ 75,000	LS	\$ 107,633	LS	\$ 130,000
2	Cost for providing all shoring and bracing on all Bid Items	1	LS	LS	\$ 30,000	LS	\$ 10,000	LS	\$ 0	LS	\$ 2,500
3	Repair Option A1 for Access Manways	9	EA	\$ 42,000	\$ 378,000	\$ 63,000	\$ 567,000	\$ 38,152	\$ 343,368	\$ 74,000	\$ 666,000
4	Repair Option A2 for Access Manways	3	EA	\$ 55,000	\$ 165,000	\$ 67,000	\$ 201,000	\$ 45,709	\$ 137,127	\$ 130,000	\$ 390,000
5	Repair Option B1 for ARV Manholes	2	EA	\$ 50,000	\$ 100,000	\$ 68,000	\$ 136,000	\$ 39,695	\$ 79,390	\$ 55,000	\$ 110,000
6	Repair Option B2 for ARV Manholes	2	EA	\$ 60,500	\$ 121,000	\$ 73,000	\$ 146,000	\$ 46,202	\$ 92,404	\$ 106,000	\$ 212,000
7	Repair Option B3 for ARV Manholes	1	EA	\$ 47,000	\$ 47,000	\$ 75,000	\$ 75,000	\$ 55,511	\$ 55,511	\$ 124,000	\$ 124,000
8	Repair Option C1 for Blow Off Manholes	2	EA	\$ 38,500	\$ 77,000	\$ 48,000	\$ 96,000	\$ 51,610	\$ 103,220	\$ 54,000	\$ 108,000
9	Repair Option D1 for Blow Off Manholes	1	EA	\$ 42,000	\$ 42,000	\$ 48,000	\$ 48,000	\$ 52,215	\$ 52,215	\$ 55,000	\$ 55,000
10	Implement Biological Control Measures/BMPs and Site Restoration (Newark PS to Irvington PS section of the forcemains)	1	LS	LS	\$ 74,000	LS	\$ 20,000	LS	\$ 43,017	LS	\$ 70,000
11	Groundwater Dewatering Inside Manholes	50,000	GAL	\$ 0.82	\$ 41,000	\$ 0.03	\$ 1,500	\$ 1.35	\$ 67,500	\$ 2.20	\$ 110,000
12	Sewage Force Main Dewatering	850,000	GAL	\$ 0.22	\$ 187,000	\$ 0.05	\$ 42,500	\$ 0.35	\$ 297,500	\$ 0.40	\$ 340,000
13	Apply Chemical Injection Grout Inside Manholes (Newark PS to Irvington PS section of the forcemains)	14	EA	\$ 19,500	\$ 273,000	\$ 5,500	\$ 77,000	\$ 11,101	\$ 155,414	\$ 19,000	\$ 266,000
14	Abandon Existing Force Main Manhole	1	LS	LS	\$ 30,000	LS	\$ 15,000	LS	\$ 29,812	LS	\$ 85,000
15	Bollard Improvements and Other Miscellaneous Repairs	1	LS	LS	\$ 187,000	LS	\$ 40,000	LS	\$ 154,355	LS	\$ 58,000
16	Remove and Replace Existing Manhole Ladders	1	LS	LS	\$ 100,000	LS	\$ 60,000	LS	\$ 102,107	LS	\$ 195,000
17	Access Manhole Flat Slab Top Replacements	3	EA	\$ 40,000	\$ 120,000	\$ 30,000	\$ 90,000	\$ 48,878	\$ 146,634	\$ 20,000	\$ 60,000
Total Base Bid					\$ 2,050,000		\$ 1,700,000		\$ 1,967,207		\$ 2,981,500
Bid Alternate C	Apply Chemical Injection Grout Inside Manhole (Alvarado WWTP to Newark PS section of the forcemains)	9	EA	\$ 21,667	\$ 195,000	\$ 3,500	\$ 31,500	\$ 14,307	\$ 128,763	\$ 19,000	\$ 171,000
Bid Alternate D	Morton Ave – Access Improvements	1	LS	LS	\$ 24,000	LS	\$ 30,000	LS	\$ 33,376	LS	\$ 20,000
Bid Alternate E	Sportsfield BO & ARV – Access Improvements	1	LS	LS	\$ 15,000	LS	\$ 25,000	LS	\$ 14,899	LS	\$ 9,000
Bid Alternate F	Automall Parkway – Access Improvements	1	LS	LS	\$ 25,000	LS	\$ 45,000	LS	\$ 17,752	LS	\$ 23,000
Bid Alternate G	Automall ARV – Access Improvements	1	LS	LS	\$ 50,000	LS	\$ 60,000	LS	\$ 52,516	LS	\$ 36,800
Bid Alternate H	Cushing Parkway 5 – Access Improvements	1	LS	LS	\$ 11,000	LS	\$ 50,000	LS	\$ 22,409	LS	\$ 15,250
Bid Alternate I	Cushing Parkway 1 – Access Improvements	1	LS	LS	\$ 45,000	LS	\$ 40,000	LS	\$ 46,528	LS	\$ 74,500
Bid Alternate J	Coyote Hills ARV – Access Improvements	1	LS	LS	\$ 17,000	LS	\$ 40,000	LS	\$ 38,608	LS	\$ 45,250
Bid Alternate K	Gateway Blvd BO – Access Improvements	1	LS	LS	\$ 11,000	LS	\$ 20,000	LS	\$ 38,629	LS	\$ 24,000
Basis of Award - Total Base Bid Plus Bid Alternates C-K					\$ 2,443,000		\$ 2,041,500		\$ 2,360,687		\$ 3,400,300
Bid Alternate A	Repair Option C1 for Blow Off Manholes (Not Selected)	2	EA	\$ 2,500	\$ 5,000	\$ 48,000	\$ 96,000	\$ 8,252	\$ 16,504	\$ 47,000	\$ 94,000
Bid Alternate B	Repair Option D1 for Blow Off Manholes (Not Selected)	1	EA	\$ 2,000	\$ 2,000	\$ 48,000	\$ 48,000	\$ 8,253	\$ 8,253	\$ 48,000	\$ 48,000

AGREEMENT FOR THE CONSTRUCTION OF
Force Main Corrosion Repairs Project – Phase 4
Project No. 800-575

THIS AGREEMENT, made and concluded, in duplicate, dated _____,
between the UNION SANITARY DISTRICT (“District”), Union City, California, and CRATUS INC.
("Contractor"), License No. 987888.

WITNESSETH :

1. That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the District, and under the conditions expressed in the two bonds, bearing even date with these presents, and hereunto annexed, the Contractor agrees with the District, at his/her own proper cost and expense, to do all the work and furnish all the materials necessary to construct and complete in good workmanlike and substantial manner the project entitled: **Force Main Corrosion Repairs Project – Phase 4 (Project No. 800-575)** in strict conformity with the plans and specifications prepared therefor, which said plans and specifications are hereby specially referred to and by said reference made a part hereof.

2. Now, therefore, in consideration of the mutual covenants and agreements of the parties herein contained and to be performed, the Contractor hereby agrees to complete the work in accordance with the terms and conditions stipulated in the Contract Documents for the sum of **TWO MILLION FORTY ONE THOUSAND FIVE HUNDRED DOLLARS (\$2,041,500.00)** (the “Contract Price”) computed in accordance with Contractor’s accepted proposal dated August 29, 2023, which accepted proposal is incorporated herein by reference thereto as if herein fully set forth. This sum includes the following bid alternates that have been accepted by the District and are hereby incorporated in the Agreement: C, D, E, F, G, H, I, J, and K. Compensation shall be based upon the lump sum bid items plus the unit prices stated in the Bid Schedule times the actual quantities or units of work and materials performed or furnished. The further terms, conditions, and covenants of this Agreement are set forth in the Contract Documents, each of which is by this reference made a part hereof. Payments are to be made to the Contractor in accordance with the provisions of the Contract Documents and the Technical Specifications in legally executed and regularly issued warrants of the District, drawn on the appropriate fund or funds as required by law and order of the District thereof.

3. The District hereby promises and agrees with the said Contractor to employ, and does hereby employ, the said Contractor to provide the materials and to do the work according to the terms and conditions herein contained and referred to, for the Contract Price, and hereby contracts to pay the same at the time, in the manner and upon the conditions set forth in the Contract Documents; and the said parties for themselves, their heirs, executors,

administrators, successors and assigns, do hereby agree to the full performance of the covenants herein contained.

4. The Contractor and any subcontractor performing or contracting any work shall comply with all applicable provisions of the California Labor Code for all workers, laborers and mechanics of all crafts, classifications or types, including, but necessarily limited to the following:

(a) The Contractor shall comply with all applicable provisions of Section 1810 to 1815, inclusive, of the California Labor Code relating to working hours. The Contractor shall, as a penalty to the District, forfeit the sum of twenty-five dollars (\$25) for each worker employed in the execution of the Contract by the Contractor or by any subcontractor for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week, unless such worker receives compensation for all hours worked in excess of eight (8) hours at not less than 1-1/2 times the basic rate of pay.

(b) Pursuant to the provision of California Labor Code, Sections 1770 et. seq., the Contractor and any subcontractor under him shall pay not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations. Pursuant to the provisions of California Labor Code Section 1773.2, the Contractor is hereby advised that copies of the prevailing rate of per diem wages and a general prevailing rate for holidays, Saturdays and Sundays and overtime work in the locality in which the work is to be performed for each craft, classification, or type of worker required to execute the Contract, are on file in the office of the District, which copies shall be made available to any interested party on request. The Contractor shall post a copy of said prevailing rate of per diem wages at each job site.

(c) As required by Section 1773.1 of the California Labor Code, the Contractor shall pay travel and subsistence payments to each worker needed to execute the work, as such travel and subsistence payments are defined in the applicable collective bargaining agreements filed in accordance with this Section.

(d) To establish such travel and subsistence payments, the representative of any craft, classification, or type of workman needed to execute the contracts shall file with the Department of Industrial Relations fully executed copies of collective bargaining agreements for the particular craft, classification or type of work involved. Such agreements shall be filed within 10 days after their execution and thereafter shall establish such travel and subsistence payments whenever filed 30 days prior to the call for bids.

(e) The Contractor shall comply with the provisions of Section 1775 of the California Labor Code and shall, as a penalty to the District, forfeit not more than two hundred dollars (\$200) for each calendar day, or portion thereof, for each worker paid

less than the prevailing rate of per diem wages for each craft, classification, or type of worker needed to execute the contract. The Contractor shall pay each worker an amount equal to the difference between the prevailing wage rates and the amount paid worker for each calendar day or portion thereof for which a worker was paid less than the prevailing wage rate.

(f) As required under the provisions of Section 1776 of the California Labor Code, Contractor and each subcontractor shall keep an accurate payroll record, showing the name, address, social security number, work classification, and straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by him or her in connection with the public work. Said payroll shall be certified and shall be available for inspection at all reasonable hours at the principal office of the Contractor on the following basis:

(1) A certified copy of an employee's payroll record shall be made available for inspection or furnished to the employee or his or her authorized representative on request.

(2) A certified copy of all payroll records enumerated in Paragraph 4(f), herein, shall be made available for inspection or furnished upon request to the District, the Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the Department of Industrial Relations.

(3) A certified copy of all payroll records enumerated in Paragraph 4(f), herein, shall be made available upon request by the public for inspection or for copies thereof; provided, however, that a request by the public shall be made through the District, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement. If the requested payroll records have not been provided pursuant to subparagraph 4(e) herein, the requesting party shall, prior to being provided the records, reimburse the costs of preparation by the Contractor, subcontractors, and the entity through which the request was made. The public shall not be given access to the records at the principal offices of the Contractor.

The certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement or shall contain the same information as the forms provided by the division.

Certified payroll records shall be submitted electronically as required under California Labor Code Section 1776 to the Labor Commissioner pursuant to California Code of Regulations Chapter 8, Section 16404.

Each Contractor shall file a certified copy of the records, enumerated in Paragraph 4(f) with the entity that requested the records within 10 days after receipt of a written request. Any copy of records made available for inspection as copies and furnished upon request to the public or any public agency by the District, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address, and social security number. The name and address of the Contractor awarded the contract or performing the contract shall not be marked or obliterated. The Contractor shall inform the District of the location of the records enumerated under Paragraph 4(f) including the street address, city and county, and shall, within 5 working days, provide a notice of change of location and address. The Contractor shall have 10 days in which to comply subsequent to receipt of written notice specifying in what respects the Contractor must comply with this Paragraph 4(f). In the event that the Contractor fails to comply within the 10-day period, he or she shall, as a penalty to the state or the District, forfeit one hundred dollars (\$100) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due. Responsibility for compliance with Paragraph 4(f) lies with the Contractor.

(g) The Contractor and any subcontractors shall, when they employ any person in any apprenticeable craft or trade, apply to the joint apprenticeship committee administering the apprenticeship standards of the craft or trade in the area of the construction site for a certificate approving the Contractor or subcontractor under the apprenticeship standards for the employment and training of apprentices in the area or industry affected; and shall comply with all other requirements of Section 1777.5 of the California Labor Code. The responsibility of compliance with California Labor Code Section 1777.5 during the performance of this contract rests with the Contractor. Pursuant to California Labor Code Section 1777.7, in the event the Contractor willfully fails to comply with the provisions of California Labor Code Section 1777.5, the Contractor shall be denied the right to bid on any public works contract for up to three (3) years from the date noncompliance is determined and be assessed civil penalties.

(h) In accordance with the provisions of Article 5, Chapter 1, Part 7, Division 2 (commencing with Section 1860), and Chapter 4, Part 1, Division 4 (commencing with Section 3700) of the California Labor Code, the Contractor is required to secure the payment of compensation to its employees and for that purpose obtain and keep in effect adequate Workers' Compensation Insurance. If the Contractor, in the sole discretion of the District satisfies the District of the responsibility and capacity under the applicable Workers' Compensation Laws, if any, to act as self-insurer, the

Contractor may so act, and in such case, the insurance required by this paragraph need not be provided.

The Contractor is advised of the provisions of Section 3700 of the California Labor Code, which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code and shall comply with such provisions and have Employer's Liability limits of \$1,000,000 per accident before commencing the performance of the work of this Contract.

The Notice to Proceed with the Work under this Contract will not be issued, and the Contractor shall not commence work, until the Contractor submits written evidence that it has obtained full Workers' Compensation Insurance coverage for all persons whom it employs or may employ in carrying out the work under this Contract. This insurance shall be in accordance with the requirements of the most current and applicable state Workers' Compensation Insurance Laws. In accordance with the provisions of Section 1861 of the California Labor Code, the Contractor in signing this agreement certifies to the District as true the following statement: "I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work of this contract."

A subcontractor is not allowed to commence work on the project until verification of Workers' Compensation Insurance coverage has been obtained and verified by the Contractor and submitted to the Construction Manager for the District's review and records.

(i) In accordance with the provisions of Section 1727 of the California Labor Code, the District, before making payment to the Contractor of money due under a contract for public works, shall withhold and retain therefrom all wages and penalties which have been forfeited pursuant to any stipulation in the contract, and the terms of Chapter 1, Part 7, Division 2 of the California Labor Code (commencing with Section 1720). But no sum shall be withheld, retained or forfeited, except from the final payment, without a full investigation by either the Division of Labor Standards Enforcement or by the District.

5. It is further expressly agreed by and between the parties hereto that should there be any conflict between the terms of this Agreement the instrument and the bid proposal of said Contractor, then this Agreement instrument shall control, and nothing herein contained shall be considered as an acceptance of the said terms of said proposal conflicting herewith.

6. The Contractor agrees to provide and maintain insurance coverage, and to indemnify and save harmless the parties named and in the manner set forth in Section 00800-2.0, **LIABILITY AND INSURANCE**, of the Supplementary General Conditions of the Specifications.

The duty of Contractor to indemnify and save harmless, as set forth herein, shall include a duty to defend as set forth in Section 2778 of the California Civil Code; provided, however, that nothing herein shall be construed to require Contractor to indemnify against any responsibility or liability in contravention of Section 2782 of the California Civil Code.

7. The Contractor shall diligently prosecute the work so that it shall be substantially completed within the time specified in Section 00800-1.1, **Time Allowed for Completion**.

8. Except as otherwise may be provided herein, Contractor hereby expressly guarantees for one (1) full year from the date of the substantial completion of the work under this agreement and acceptance thereof by the District, to repair or replace any part of the work performed hereunder which constitutes a defect resulting from the use of inferior or defective materials, equipment or workmanship. If, within said period, any repairs or replacements in connection with the work are, in the opinion of the District, rendered necessary as the result of the use of inferior or defective materials, equipment or workmanship, Contractor agrees, upon receipt of notice from District, and without expense to District, to promptly repair or replace such material or workmanship and/or correct any and all defects therein. If Contractor, after such notice, fails to proceed promptly to comply with the terms of this guarantee, District may perform the work necessary to effectuate such correction and recover the cost thereof from the Contractor and/or its sureties.

In special circumstances where a particular item of work or equipment is placed in continuous service before substantial completion of the Work, the correction period for that item may start to run from an earlier date. This date shall be agreed upon in writing by the Contractor and District on or before the item is placed in continuous service.

Any and all other special guarantees which may be applicable to definite parts of the work under this agreement shall be considered as an additional guarantee and shall not reduce or limit the guarantee as provided by Contractor pursuant to this paragraph during the first year of the life of such guarantee.

9. The Contractor shall provide, on the execution of this Agreement, a good and sufficient corporate surety bond in the penal sum of one hundred percent (100%) of the Contract Price, which bond shall be on the form provided by the District in Section 00610, **FORM OF PERFORMANCE BOND**, and be conditioned upon the faithful performance of all work required to be performed by the Contractor under this Agreement. Said bond shall be liable for any and all penalties and obligations which may be incurred by Contractor under this Agreement. The corporate surety bond shall be issued by a corporate surety that possesses a minimum rating from A. M. Best Company of A:VII and that is approved by the District. The corporate surety shall be authorized to conduct business in California. At its

discretion, the District may request that a certified copy of the certificate of authority of the insurer issued by the Insurance Commissioner of the State of California be submitted by the surety to the District. At its discretion, the District may also require the insurer to provide copies of its most recent annual statement and quarterly statement filed with the Department of Insurance pursuant to Article 10 (commencing with Section 900) of Chapter 1 of Part 2 of Division 1 of the Insurance Code.

10. In addition to the bond required under Paragraph 9, hereof, Contractor shall furnish a good and sufficient corporate surety bond in the penal sum of one hundred percent (100%) of the Contract Price, which bond shall be on the form provided by the District in Section 00620, **PAYMENT BOND**, and conform strictly with the provisions of Sections 9550 et seq. of the Civil Code, and all amendments thereto. The corporate surety bond shall be issued by a corporate surety that possesses a minimum rating from A. M. Best Company of A:VII and that is approved by the District. The corporate surety shall be authorized to conduct business in California. At its discretion, the District may request that a certified copy of the certificate of authority of the insurer issued by the Insurance Commissioner of the State of California be submitted by the surety to the District. At its discretion, the District may also require the insurer to provide copies of its most recent annual statement and quarterly statement filed with the Department of Insurance pursuant to Article 10 (commencing with Section 900) of Chapter 1 of Part 2 of Division 1 of the Insurance Code.

11. The Contractor may substitute securities for the amounts retained by the District to ensure performance of the work in accordance with the provisions of Section 22300 of the Public Contract Code.

12. The Contractor shall be provided the time period specified in Section 01340-2.0, **MATERIAL AND EQUIPMENT SUBSTITUTIONS**, for submission of data substantiating a request for a substitution of an "or equal" item.

13. As required by Section 6705 of the California Labor Code and in addition thereto, whenever work under the Contract involves the excavation of any trench or trenches five feet or more in depth, the Contractor shall submit in advance of excavations, a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trench or trenches. If such plan varies from the shoring system standards established by the Construction Safety Orders of the Division of Industrial Safety in Title 8, Subchapter 4, Article 6, California Code of Regulations, the plan shall be prepared by a registered civil or structural engineer employed by the Contractor, and all costs therefore shall be included in the price named in the Contract for completion of the work as set forth in the Contract Documents. Nothing in this Section shall be deemed to allow the use of a shoring, sloping, or other protective system less effective than that required by the Construction Safety Orders. Nothing in this Section shall be construed to impose tort liability on the District, the Design Consultant, Construction Manager or any of their agents, consultants, or employees. The District's review of the

Contractor's excavation plan is only for general conformance to the California Construction Safety Orders.

Prior to commencing any excavation, the Contractor shall designate in writing to the Construction Manager the "competent person(s)" with the authority and responsibilities designated in the Construction Safety Orders.

14. In accordance with Section 7104 of the Public Contract Code, whenever any work involves digging trenches or other excavations that extend deeper than four feet below the surface, the provisions of Section 00700-7.2, **Differing Site Conditions**, shall apply.

15. In accordance with Section 7103.5 of the Public Contract Code, the Contractor and subcontractors shall conform to the following requirements. In entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the Contractor or subcontractor offers and agrees to assign to the District all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act [Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code], arising from purchases of goods, materials or services pursuant to this Contract or the subcontract. Such assignment shall be made and become effective at the time the District tenders final payment to the Contractor, without further acknowledgment by the parties.

16. In accordance with Section 4552 of the Government Code, the Contractor shall conform to the following requirements. In submitting a bid to the District, the Contractor offers and agrees that if the bid is accepted, it will assign to the District all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act [Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code], arising from purchase of goods, materials, or services by the Contractor for sale to the District pursuant to the bid. Such assignment shall be made and become effective at the time the District tenders final payment to the Contractor.

17. Pursuant to Public Contract Code Section 7100, the acceptance by the Contractor of an undisputed payment made under the terms of the Contract shall operate as, and shall be, a release to the District, and their duly authorized agents, from all claim of and/or liability to the Contractor arising by virtue of the contract related to those amounts. Disputed contract claims in stated amounts may be specifically excluded by the Contractor from the operation of the release.

18. In accordance with California Business and Professions Code Section 7030, the Contractor is required by law to be licensed and regulated by the Contractors' State License Board which has jurisdiction to investigate complaints against contractors if a complaint regarding a patent act or omission is filed within four years of the date of the alleged violation. A complaint regarding a latent act or omission pertaining to structural defects must be filed

within 10 years of the date of the alleged violation. Any questions concerning the Contractor may be referred to the Registrar, Contractors' State License Board, P.O. Box 26000, Sacramento, California 95826.

19. INDEMNIFICATION. To the fullest extent permitted by law, Contractor shall indemnify and hold harmless the District from any claims, choses in action or lawsuits, whereby any subcontractor, material or equipment supplier, laborer or any person who supplies work or materials to said work of improvement may claim damages, losses and expenses thereto arising out of or resulting from any claim for performance of work, including the legal defense of any stop notice action as well as attorney fees and costs. District may be required to engage separate legal counsel from that of the Contractor should District and Contractor be both named as defendants, cross-defendants or other parties to any such stop notice action in District's sole discretion. Contractor shall be fully liable for any judgment or damages resulting from any claim for stop notice relief or other liability regarding payment for materials, supplies, labor or equipment under this contract. In claims against any person or entity indemnified under this paragraph by an employee of Contractor, a subcontractor, anyone directly or indirectly employed by them for whose acts they may be liable, the indemnification obligation under this paragraph shall not be limited in amount or type of damages, compensation or benefits payable by or for the Contractor or a subcontractor. In all cases, indemnification shall include attorney fees and court costs.

Unless arising solely out of the active negligence, gross negligence or willful misconduct of the District or the Design Consultant, the Contractor shall indemnify, defend and hold harmless: (1) the District and its Board of Directors, officers, employees, agents and representative; (ii) the Design Consultant and its consultants for the Work and their respective agents and employees; and (iii) if one is designated by the District for the work, the Construction Manager and its agents and employees (collectively "the Indemnified Parties"). The Contractor's obligations hereunder include indemnity, defense and hold harmless of the Indemnified Parties from and against any and all damages, losses, claims, demands or liabilities whether for damages, losses or other relief, including, without limitation attorney's fees and costs which arise, in whole or in part, from the Work, the Contract Documents or the acts, omissions or other conduct of the Contractor or any subcontractor or any person or entity engaged by them for the Work. The Contractor's obligations under the foregoing include without limitation: (i) injuries to or death of persons; (ii) damage to property; or (iii) theft or loss of property; (iv) stop notice claims asserted by any person or entity in connection with the Work; and (v) other losses, liabilities, damages or costs resulting from, in whole or part, any acts, omissions or other conduct of Contractor, any of Contractor's Subcontractors, of any tier, or any other person or entity employed directly or indirectly by Contractor in connection with the Work and their respective agents, officers or employees. If any action or proceeding, whether judicial, administrative, arbitration or otherwise, shall be commenced on account of any claim, demand or liability subject to Contractor's obligations hereunder, and such action or proceeding names any of the Indemnified Parties as a party thereto, the Contractor, at its sole cost and expense, shall defend the District and the Design Consultant in such action or proceeding with counsel

reasonably satisfactory to the Indemnified Parties named in such action or proceeding. In the event that there shall be any judgment, award, ruling, settlement, or other relief arising out of any such action or proceeding to which any of the Indemnified Parties are bound by, Contractor shall pay, satisfy or otherwise discharge any such judgment, award, ruling, settlement or relief. Contractor shall indemnify and hold harmless the Indemnified Parties from any and all liability or responsibility arising out of any such judgment, award, ruling, settlement or relief. The Contractor's obligations hereunder are binding upon Contractor's Performance Bond Surety and these obligations shall survive notwithstanding Contractor's completion of the Work or the termination of the Contract.

IN WITNESS WHEREOF, the parties hereto have executed this agreement dated:

_____.

CRATUS INC.

By: _____

Michael Kirwan
CFO/Treasurer

945 Taraval Street #302, San Francisco, California 94116

UNION SANITARY DISTRICT

By: _____

Tom Handley
Board Secretary

5072 Benson Road, Union City, California 94587

ATTEST:

Karen W. Murphy
Attorney for 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

**SEPTEMBER 25, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 12**

TITLE: **Review and Provide Direction on Updated Fats, Oils, and Grease (FOG) Holiday Advertisement (*This is a Direction Item*)**

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Raymond Chau, Technical Services Work Group Manager
Michael Dunning, Environmental Compliance Team Coach
Michelle Powell, Communications & Intergovernmental Relations Coordinator
Alicia Dutrow, Environmental Outreach Representative

Recommendation

Staff recommends the Board review options for an updated Fats, Oils, and Grease (FOG) Holiday Advertisement and provide direction.

Discussion

On May 23, 2023, the Board met during a workshop to review preliminary Fats, Oils, and Grease (FOG) Holiday Advertisement concepts and provide comments. The Board directed staff to incorporate comments from the workshop and present options at a later date. At its September 11, 2023 meeting, the Board reviewed revised options and directed staff to incorporate feedback for presentation at a future meeting.

Background

Beginning in 2018, following input and direction received from the Board, USD staff has run two versions of a Holiday Fats, Oils, and Grease (FOG) ad in local newspapers during the weeks prior to the Thanksgiving and Christmas holidays. The ads encourage customers to “Avoid Pipe Clogs” and provide instructions to “Cool It. Can It. Trash It.” There were two versions of the ad – one using photos to illustrate the instructions, and one using cartoon illustrations depicting FOG in a humorous manner. The Board subsequently indicated a desire to update the ads.

Previous Board Action

August 28, 2017 – The Board received an update on the District’s Fats, Oils, and Grease (FOG) program and provided direction to staff regarding edits to existing campaign ads.

October 8, 2018 – The Board provided direction to incorporate specified edits to proposed artwork and to run both photo and illustrative versions of the 2018 FOG advertisement during the holiday season.

October 24, 2022 – The Board approved creation of the Fats, Oils, and Grease (FOG) Holiday Advertisement Ad Hoc Committee and appointed Vice President Fernandez and Director Kite to the ad hoc committee and President Lathi as the alternate.

April 10, 2023 – The Board directed staff to discontinue the Fats, Oils, and Grease (FOG) Holiday Advertisement Ad Hoc Committee and present future FOG holiday advertisement drafts at Board workshops.

August 28, 2023 – The Board reviewed FOG Holiday advertisement options and directed staff to incorporate feedback for presentation at a future Board meeting.

September 11, 2023 – The Board reviewed FOG Holiday advertisement options and directed staff to incorporate feedback for presentation at a future Board meeting.

Attachments: Draft FOG Holiday Advertisement Options

AVOID PIPE CLOGS!

KEEP FATS, OILS, & GREASE (FOG) OUT OF YOUR DRAINS!

WIPE



Wipe cooled pans
with a paper towel

SCRAPE



Scrape cooled grease into
compostable container

COMPOST



Place in your green
waste/food scraps bin

For more info:
(510) 477-7500



For larger amounts of used cooking oil
or grease check StopFOG.com for disposal
information.



AVOID PIPE CLOGS!

KEEP FATS, OILS, & GREASE (FOG) OUT OF YOUR DRAINS!

WIPE



Wipe cooled pans
with a paper towel

SCRAPE



Scrape cooled grease into
compostable container

COMPOST



Place in your green
waste/food scraps bin

For more info:
(510) 477-7500



For larger amounts of used cooking oil
or grease check StopFOG.com for disposal
information.



AVOID PIPE CLOGS!

KEEP FATS, OILS, & GREASE (FOG) OUT OF YOUR DRAINS!

WIPE



Wipe cooled pans with a paper towel

SCRAPE



Scrape cooled grease into compostable container

COMPOST



Place in your green waste/food scraps bin

For more info:
(510) 477-7500



For larger amounts of used cooking oil or grease check StopFOG.com for disposal information.





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

**SEPTEMBER 25, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 13**

TITLE: **Status of Priority 1 Capital Improvement Program Projects (*This is an Information Item*)**

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Raymond Chau, Technical Services Work Group Manager

Recommendation

Information only.

Discussion

In June 2022, the Board approved the Capital Improvement Program (CIP) budget for Fiscal Year 2023 (FY23) in the amount of \$68,830,200 for the planning, design, and construction of 37 CIP projects.

For FY23, 18 projects were ranked as Priority 1 projects, and the remaining 19 were ranked as Priority 2 or Priority 3 projects. The status of the Priority 1 CIP projects was reviewed by the Executive Team, and the status report is attached for the Board's review.

Several Priority 1 projects continued construction activities into the fourth quarter of FY23:

- Enhanced Treatment and Site Upgrade (ETSU) Phase 1A – Aeration Basins Modifications Project and Campus Project
- Standby Power Generation System Upgrade Project
- Irvington Basin Reinforced Concrete Pipe (RCP) Rehabilitation Project (punch list)

The Board accepted the construction of the Force Main Corrosion Repairs Project – Phase 3 at the June 26, 2023 meeting.

For the Force Main Corrosion Repairs Project – Phase 4, the design was completed in the fourth quarter. The Board will consider awarding the construction contract at the September 25, 2023 meeting.

The consultant selection process for the space assessment needs portion of the Field Operations Building Seismic Upgrade and Leak Repairs will begin in FY24.

Staff will install a portable generator at the Cherry Street Pump Station to provide emergency power during a power outage. This improvement is intended to maintain reliable operation of the station until a developer constructs a new station on Stevenson Boulevard in the next 4 to 5 years. It is estimated the portable generator will be delivered by January 2024.

Staff selected a consultant to conduct the condition assessment and rehabilitation design services for Primary Digester No. 6. The Digester 6 cleaning contractor mobilized on site in June 2023. In the first quarter of FY24, both digester cleaning and condition assessment were completed. It is estimated the consultant's predesign services will be completed by winter 2023, followed by the start of final design services.

Background

The CIP projects were ranked as Priority 1, 2, or 3 projects based on criteria prepared by staff and approved by the Executive Team. A copy of the criteria used to prioritize the projects is attached for the Board's reference. The criteria have been updated to include the studies utilized in identifying projects and to reference example projects from the current CIP budget.

Also attached is a summary of the ongoing CIP projects at the District during FY23.

Previous Board Action

None.

PRE/RC

Attachments: Priority 1 CIP Projects for Fiscal Year 2023 (FY23) – Status Report
Summary of CIP Projects for Fiscal Year 2023 (FY23)
CIP Project Criteria

Priority 1 CIP Projects for Fiscal Year 2023 (FY23) – Status Report

	CIP Project	Planned Milestones	Status after 1st Quarter	Status after 2nd Quarter	Status after 3rd Quarter	Status after 4th Quarter
1	Field Operations Building Seismic Upgrade and Leak Repairs	Complete building space programming by June 2023.	Consultant selection process scheduled to begin in 2 nd quarter.	Consultant selection postponed to 3 rd quarter.	Consultant selection postponed to 4 th quarter.	Consultant selection process is underway.
2	Central Avenue Sanitary Sewer Relocation	Complete the design by March 2023.	Cost sharing agreement received from City. 90% design submittal received in September 2022.	Cost sharing agreement under review. Review of 90% design submittal is complete.	Cost sharing agreement under review.	Cost sharing agreement under review. Awaiting 95% design submittal from consultant.
3	RCP Sewer Rehab (Irvington Basin)	Complete construction by March 2023.	Cured-in-place pipe (CIPP) liner installations completed at 5 of 8 locations.	Construction work is complete. Punchlist work is underway.	Punchlist work is in progress.	Punchlist work is in progress.
4	Cherry St. PS	Evaluate bids in January 2023.	Bid advertisement began in August 2022.	Bids received and being evaluated.	Bids rejected in March 2023. Decision made not to re-bid project.	In-house improvements to install a portable generator in progress.
5	Digester No. 6 Insp. and Rehab.	<ol style="list-style-type: none"> 1. Complete condition assessment of the digester 2 months after digester is cleaned. 2. Complete 30% design by June 2023. 	Consultant selection process scheduled to begin in 2 nd quarter.	Consultant selection process is underway.	Consultant proposals received in March 2023.	Consultant selection is complete. Digester cleaning is in progress.

Priority 1 CIP Projects for Fiscal Year 2023 (FY23) – Status Report

	CIP Project	Planned Milestones	Status after 1st Quarter	Status after 2nd Quarter	Status after 3rd Quarter	Status after 4th Quarter
6	Digester No. 7	Complete project closeout by June 2023.	Punchlist work is ongoing. Majority of contract closeout items are with the Contractor.	Punchlist work is ongoing. Majority of contract closeout items are with the Contractor.	Punchlist work is ongoing. Majority of contract closeout items are with the Contractor.	Punchlist work and project closeout is ongoing.
7	ETSU – Phase 1A – Aeration Basin Modifications	Complete structural modifications to Basins 1 and 3 by June 2023.	Temporary bulkhead installed isolating Aeration Basins 1 & 2. Select demolition of basins 50% complete.	Select demolition of Aeration Basins 1 & 2 complete. Placement of internal new concrete walls commenced.	Placement of new internal concrete walls in Aeration Basins 1 & 3 ongoing.	Construction of new walls in Aeration Basins 1 & 3 is completed. Construction of new top deck of the aeration basins has commenced.
8	ETSU – Phase 1A – Aeration Basin No. 8	<ol style="list-style-type: none"> 1. Start-up new West Aeration Basin odor scrubbers by January 2023. 2. Place bottom slab of new Basin 8 by June 2023. 	Odor control equipment submittals approved. Underground improvements for new odor control area completed.	New concrete pads for odor control equipment placed.	Start-up of new West Aeration Basin odor scrubbers occurred in March 2023. Demolition of old odor scrubbers commenced.	Excavation for new Basin 8 is 90% complete.

Priority 1 CIP Projects for Fiscal Year 2023 (FY23) – Status Report

	CIP Project	Planned Milestones	Status after 1st Quarter	Status after 2nd Quarter	Status after 3rd Quarter	Status after 4th Quarter
9	ETSU – Phase 1A – Aeration Internal Lift Pumps	<ol style="list-style-type: none"> Complete lift pump submittal process by December 2022. Deliver first pump to site by June 2023. 	Equipment submittals for lift pumps reviewed and returned for updates.	Equipment submittals for lift pumps resubmitted.	Equipment submittals for new lift pumps require resubmittal. One existing lift pump removed and sent to the factory for refurbishment.	Equipment submittals for new lift pumps require resubmittal. Lift pump at factory for refurbishment for extended duration due to additional part replacement.
10	ETSU – Phase 1A – Blower 7-10 Replacement	Deliver 3 new blowers by June 2023.	Submittals approved. Blowers being manufactured.	Blower factory acceptance testing completed.	Shutdowns to begin demolition of existing blowers in planning phase.	Blowers are ready for delivery but will be stored off site due to delays in electrical equipment and piping materials.
11	ETSU – Phase 1A – Plant 12kV Switchgear	Acquire PG&E approvals for new switchgear by December 2022.	Received review comments from PG&E on new equipment, awaiting response from manufacturer.	Manufacturer working on a revised submittal for PG&E.	Revised manufacturer submittal sent for PG&E review in February 2023.	PG&E has not responded to documents sent for review in February.

Priority 1 CIP Projects for Fiscal Year 2023 (FY23) – Status Report

	CIP Project	Planned Milestones	Status after 1st Quarter	Status after 2nd Quarter	Status after 3rd Quarter	Status after 4th Quarter
12	ETSU – Phase 1A – Campus Building	Place structural steel by June 2023.	Notice to Proceed issued 8/1/22. Rough grading of site 75% complete.	Deep foundation under building slab completed. Installation of piping and conduit under building slab commenced.	Building slab placed in March 2023.	Erection of structural steel completed in April. Wall framing and utility installation commenced.
13	ETSU – Phase 1B – Effluent Facilities	Receive 95% Design Submittal by June 2023.	Multiple design workshops held with designer and staff.	Multiple design workshops held with designer and staff.	Multiple design workshops held with designer and staff.	Multiple design workshops held with designer and staff. 95% design submittal scheduled for November 2023.
14	ETSU – Phase 1B – Secondary Clarifiers	Receive 95% Design Submittal by June 2023.	Multiple design workshops held with designer and staff.	Multiple design workshops held with designer and staff.	Multiple design workshops held with designer and staff.	Multiple design workshops held with designer and staff. 95% design submittal scheduled for November 2023.
15	Force Main Corrosion Repairs – Phase 3	Complete construction by December 2022.	Force main dewatering completed in July 2022. Field work in progress.	Construction work is complete. Punchlist work is underway.	Punchlist work is in progress.	Punchlist work is complete. Project accepted by the Board in June 2023.

Priority 1 CIP Projects for Fiscal Year 2023 (FY23) – Status Report

	CIP Project	Planned Milestones	Status after 1st Quarter	Status after 2nd Quarter	Status after 3rd Quarter	Status after 4th Quarter
16	Force Main Corrosion Repairs – Phase 4	<ol style="list-style-type: none"> 1. Complete the design by February 2023. 2. Award construction contract by May 2023. 	Design scheduled to begin in 2 nd quarter.	Design is underway.	90% design submittal received and reviewed.	100% design submittal received and reviewed. Bid advertisement to take place in July 2023.
17	Standby Power Generation System Upgrade	<ol style="list-style-type: none"> 1. Complete concrete work for Standby Power Building foundation by December 2022. 2. Complete structural steel erection for the new Standby Power Building by May 2023. 3. Set and anchor standby power generation and switchgear equipment by June 2023. 	Site demolition and rough grading work completed. Installation of underground utilities and concrete work for Standby Power Building foundation in progress.	Installation of underground utilities and concrete work for Standby Power Building foundation is ongoing.	Concrete work for Standby Power Building foundation is complete. Installation of building's structural steel is in progress.	Installation of building's structural steel, wall panels, roofing, and setting and anchoring of standby power generators is complete.
18	WAS Thickeners	<p>After evaluating the level of effort needed to support several construction projects at the treatment plant, staff decided to postpone construction to begin in Fiscal Year 2025 (FY25).</p> <p>Complete additional scope evaluation by June 2023.</p>	<p>Project on hold until FY25.</p> <p>Additional scope evaluation scheduled to begin in 2nd quarter.</p>	<p>Project on hold until FY25.</p> <p>Board authorization for additional scope evaluation scheduled for early 3rd quarter.</p>	<p>Project on hold until FY25.</p> <p>Additional scope evaluation in progress.</p>	<p>Project on hold until FY25.</p> <p>Additional scope evaluation to be completed and final design to resume in FY24.</p>

SUMMARY OF CIP PROJECTS FOR FISCAL YEAR 2023 (FY23)

Project Type	Number of Projects	Project Name
Administrative Facilities	4	<ol style="list-style-type: none"> 1. Cathodic Protection Improvements 2. ETSU – Phase 1A – Campus Building 3. Field Operations Building Seismic Upgrade and Leak Repairs 4. Solar Panels/Inverters Replacement at Irvington
Collection System	5	<ol style="list-style-type: none"> 1. Central Avenue Sanitary Sewer Relocation 2. FY 21 Cast Iron/Piping Lining 3. FY 23 Cast Iron/Piping Lining 4. Gravity Sewer Rehabilitation/Replacement 5. RCP Sewer Rehabilitation (Irvington Basin)
Transport System	5	<ol style="list-style-type: none"> 1. Cherry St. PS 2. Force Main Corrosion Repairs – Phase 3 3. Force Main Corrosion Repairs – Phase 4 4. Irvington PS Pumps and VFDs 5. Newark and Irvington PS Chemical System Improvements
Treatment Plant	23	<ol style="list-style-type: none"> 1. Aeration Blower 11 and East Blower Bldg. Improvements 2. Alvarado Influent PS Improvements 3. Centrifuge Building Improvements 4. Digester No. 6 Inspection and Rehabilitation 5. Digester No. 7 6. Emergency Outfall Outlet Improvements 7. ETSU – Phase 1A – Aeration Basin Modifications 8. ETSU – Phase 1A – Aeration Basin No. 8 9. ETSU – Phase 1A – Aeration Internal Lift Pumps 10. ETSU – Phase 1A – Blower 7-10 Replacement 11. ETSU – Phase 1A – Plant 12kV Switchgear 12. ETSU – Phase 1A – Site Drainage Improvements 13. ETSU – Phase 1B – Secondary Clarifiers 14. ETSU – Phase 1B – Effluent Facilities 15. ETSU – Phase 1B – Switchboard 4 Replacement 16. Miscellaneous Improvements 17. Plant Fiber Optic Network 18. PLC Replacement

SUMMARY OF CIP PROJECTS FOR FISCAL YEAR 2023 (FY23)

Project Type	Number of Projects	Project Name
		19. Secondary Digester No. 1 Inspection and Rehabilitation 20. Sodium Hypochlorite Loop Improvements 21. Standby Power Generation System Upgrade 22. Switchboard 3 Replacement and MCC 25 Replacement 23. WAS Thickeners

Total: 37

CIP PROJECT CRITERIA

Priority 1 Projects

1. Project to repair or prevent an imminent critical infrastructure failure that could result in a threat to the public or result in permit non-compliance.
2. A project designed to address public health and safety or employee health and safety.
3. Project to provide additional capacity in order to allow connection to the District system or to prevent a potential wet weather overflow from occurring.
4. Projects that have a deadline tied to receiving a loan or grant funding.
5. Projects where we have made a timeline commitment to a customer or other outside stakeholder.
6. A project in which the District may suffer financial losses or claims should the project be delayed.
7. A project which is part of a sequence of projects whose delay could result in delays to other projects at USD or other agencies.
8. A project in which an internal commitment has been made to provide a facility that significantly impacts another group from efficiently and effectively carrying out their core work. (Not a “nice to have” type project).

These criteria can apply to a study, design, or construction project.

Priority 2 Projects

1. These are planned projects related to the replacement of electrical and mechanical equipment identified by the Plant Asset Condition Assessment Study and the Pump Station Asset Condition Assessment Study – this equipment is not in imminent danger of failure but needs to be replaced at a future date.
2. These are planned pipeline rehab/replacement projects that are identified either by the drainage basin capacity and condition assessment studies or by the Maintenance staff and need to be completed to improve the condition of existing sewers to safeguard against potential maintenance problems – these pipelines are not in imminent danger of failure.
3. These projects do not have any immediate negative impacts on either other agencies or other projects.
4. Examples: Cast Iron/Pipe Lining, Gravity Sewer Rehabilitation/Replacement, Irvington PS Pumps and VFDs Replacement, and Primary Clarifiers 5 and 6 Rehabilitation.

CIP Project Criteria

Priority 3 Projects

1. These are capacity projects identified by the master plans, capacity studies, and drainage basin capacity and condition assessment studies that will address future capacity needs of the District.
2. These projects are place holders and need to be defined at a future date.
3. The District will not suffer any financial loss or claim if these projects are delayed.
4. Examples: Force Main Rehabilitation, Standby Power Generator No. 4, Thickeners 3 and 4 Rehabilitation, and Waste Recycling and Alternative Energy.



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

**SEPTEMBER 25, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 14**

TITLE: **Fourth Quarterly Report on the Capital Improvement Program for Fiscal Year 2023 (*This is an Information Item*)**

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Raymond Chau, Technical Services Work Group Manager

Recommendation
Information only.

Discussion

In June 2022, the Board approved the Capital Improvement Program (CIP) budget for Fiscal Year 2023 (FY23) in the amount of \$68,830,200 for the design and construction of 37 CIP projects. The expenditures through the fourth quarter of FY23 are shown in the attached budget graphs.

The total CIP expenditures through June 30, 2023 were above the CIP budget by approximately \$1.3 million, or 1.8 percent. The Enhanced Treatment and Site Upgrade (ETSU) Phase 1A Aeration Basin Modifications and Campus projects continued to ramp up construction activities this quarter. While the Campus project exceeded the estimated cashflow, the Aeration Basin Modifications project continued to experience delays due to procurement challenges, unforeseen field conditions, and the pace of the contractor’s work. The Plant 12 kV switchgear delays could affect the schedule of other projects, including the Standby Power project. To mitigate these schedule impacts, management is meeting with the Aeration Basin Modifications project’s contractor to discuss concepts such as re-sequencing construction activities to reduce the remaining schedule.

Also, there were several projects that continued construction activities into the fourth quarter. The projects with the larger variances through the fourth quarter are:

- ETSU Phase 1A Aeration Basin Modifications - \$6,093,000
- ETSU Phase 1A Campus Building +\$10,879,000
- Standby Power Generation System Upgrade +\$2,400,000
- Plant Miscellaneous Improvements Project -\$1,036,000

Background

The total CIP expenditures between July 1, 2022 and June 30, 2023 were above the total FY23 CIP budget by approximately \$1.3 million. The projects with the larger variances from their budgets are listed in the table below.

Project	Approximate Variance through the Fourth Quarter (x \$1,000)	Comments
Emergency Sewer Repairs in Fremont	+444	<p>This was an emergency project to repair two sewer lines that were damaged by a contractor installing fiber optic lines in Fremont. The project was not included in the FY23 operating or CIP budget. USD received a settlement payment from the contractor’s insurance company to reimburse for the cost of the repairs and USD’s staff time in managing the damaged sewer mains.</p> <p>USD hired a contractor to make repairs to the sewer lines which were completed in February 2023.</p>
ETSU – Phase 1A <ul style="list-style-type: none"> • Aeration Basin Modifications • Aeration Basin No. 8 • Aeration Internal Lift Pumps • Blower 7-10 Replacement • Plant 12kV Switchgear 	-6,093	<p>The contractor finished placing new walls inside Aeration Basin Nos. 1 and 3 and began constructing the elevated concrete decks of the basins. The contractor began excavation and shoring for new Aeration Basin No. 8 and continued constructing the underground utilities for the new Plant 12 kV switchgear.</p> <p>The contractor is behind schedule in these work areas due to various delays.</p>

Project	Approximate Variance through the Fourth Quarter (x \$1,000)	Comments
ETSU – Phase 1A <ul style="list-style-type: none"> • Campus Building • Site Drainage Improvements 	+10,879	The contractor installed all structural steel, the reinforced masonry walls, and most of the external studs for the building. The contractor also installed most of the site utilities and began installing utilities inside the building.
ETSU – Phase 1B <ul style="list-style-type: none"> • Secondary Clarifiers • Effluent Facilities • Switchboard 4 Replacement 	-1,865	Phase 1B design workshops with staff are ongoing. The 95% design submittal is scheduled for November 2023.
Newark and Irvington PS Chemical System Improvements	-1,220	In January 2023, USD rejected the bids received for the construction contract. Staff evaluated the project scope to reduce costs. The odor control systems for both pump stations will be re-designed to the carbon adsorption technology. It is estimated the project will re-bid in the third quarter of FY24.
(Plant) Miscellaneous Improvements <ul style="list-style-type: none"> • Plant Fiber Optic Network • Sodium Hypochlorite Loop Improvements 	-1,036	The project’s construction was slightly delayed with the contract awarded in March 2023 and the Notice to Proceed issued in May 2023. Payment for mobilization and initial construction work will take place in FY24.
Standby Power Generation System Upgrade	+2,400	The contractor completed the construction of the new Standby Power Building structure slightly ahead of schedule and began installation of major project equipment, including the diesel generators. The contractor also completed the demolition of existing Substation No. 2.

Project	Approximate Variance through the Fourth Quarter (x \$1,000)	Comments
Switchboard 3 and MCC Replacement	-1,228	The project's construction phase was postponed, allowing for electrical switchgear and panelboards to be pre-purchased due to long lead times. The contract for purchasing the electrical equipment was awarded in December 2022 with an estimated lead time of approximately 16 months.
Other Projects	-1,008	
Total Variance through the Fourth Quarter	+1,273	

The "Other Projects" category included the following projects that were in planning, design, construction, or closeout phase during FY23:

1. Aeration Blower 11 and East Blower Bldg. Improvements
2. Alvarado Influent Pump Station Improvements
3. Cathodic Protection System Improvements
4. Central Avenue Sanitary Sewer Relocation
5. Centrifuge Building Improvements
6. Cherry Street Pump Station
7. Digester No. 6 Inspection and Rehabilitation
8. Digester No. 7
9. Emergency Outfall Outlet Improvements
10. Field Operations Building Seismic Upgrade and Leak Repairs
11. Force Main Corrosion Repairs – Phase 3
12. Force Main Corrosion Repairs – Phase 4
13. FY 21 Cast Iron/Piping Lining
14. FY 23 Cast Iron/Piping Lining
15. Gravity Sewer Rehabilitation/Replacement
16. Irvington Pump Station Pumps and VFDs – Portable VFD
17. PLC Replacement
18. RCP Sewer Rehabilitation (Irvington Basin)
19. Secondary Digester No. 1 Inspection and Rehabilitation
20. Solar Panels/Inverters Replacement at Irvington
21. WAS Thickeners

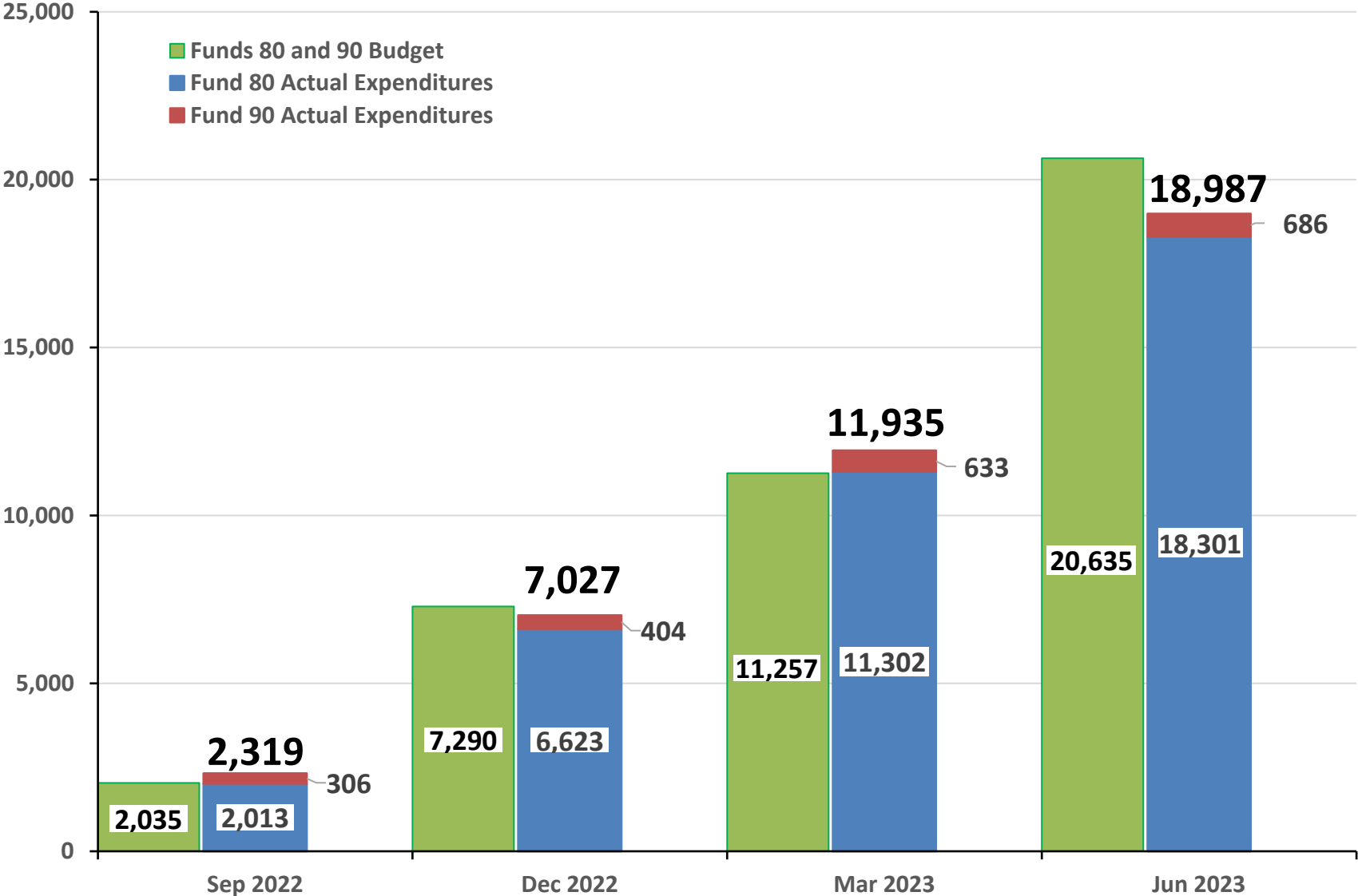
The attached graphs depict actual expenditures versus approved budget for the Capacity Fund 90, the Renewal and Replacement Fund 80, and the two combined funds. The graphs show the expenditures of the ETSU projects, the CIP projects without the ETSU projects, and the combined projects from both programs.

Previous Board Action

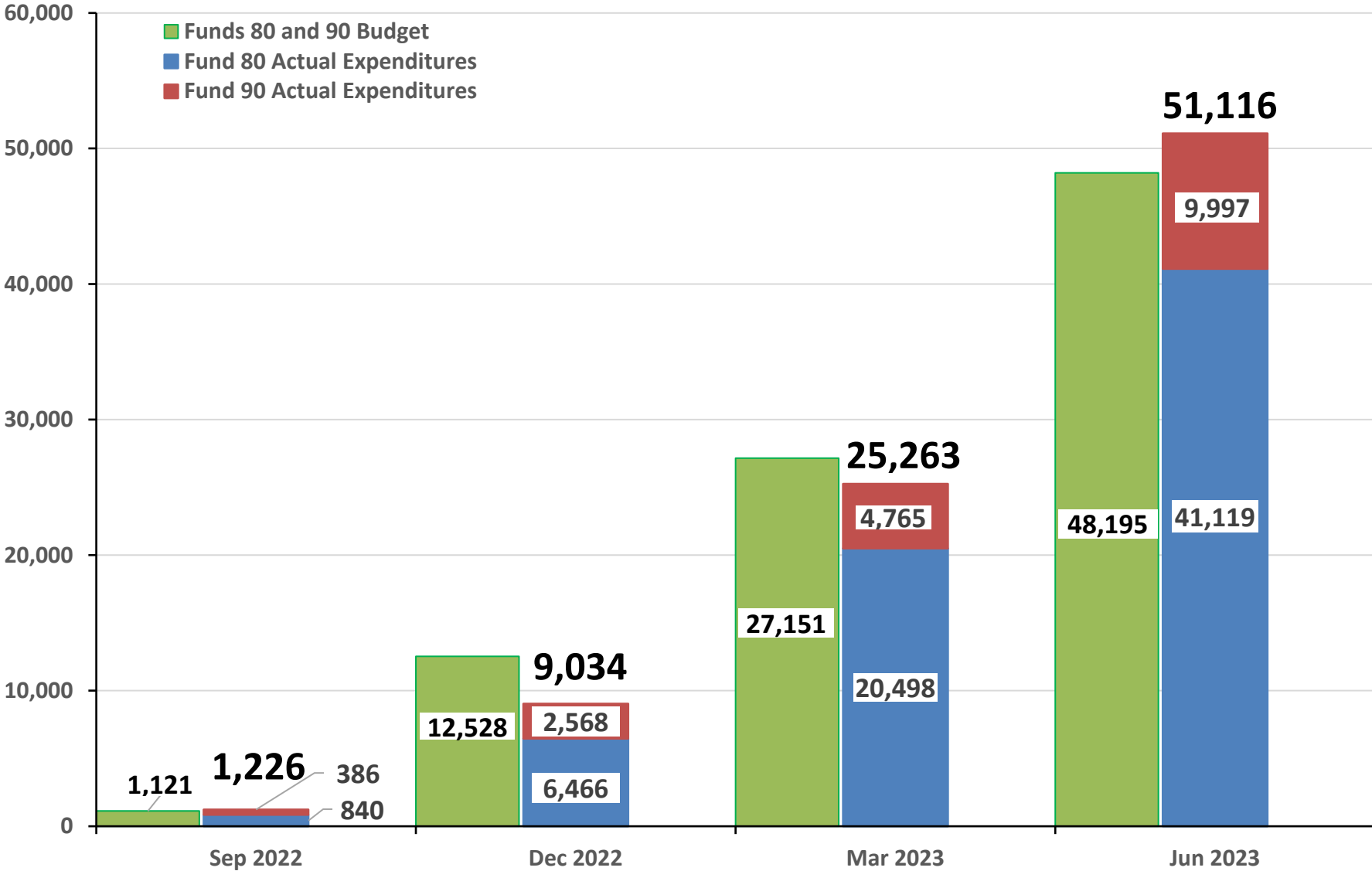
None.

Attachments: Budget Graphs

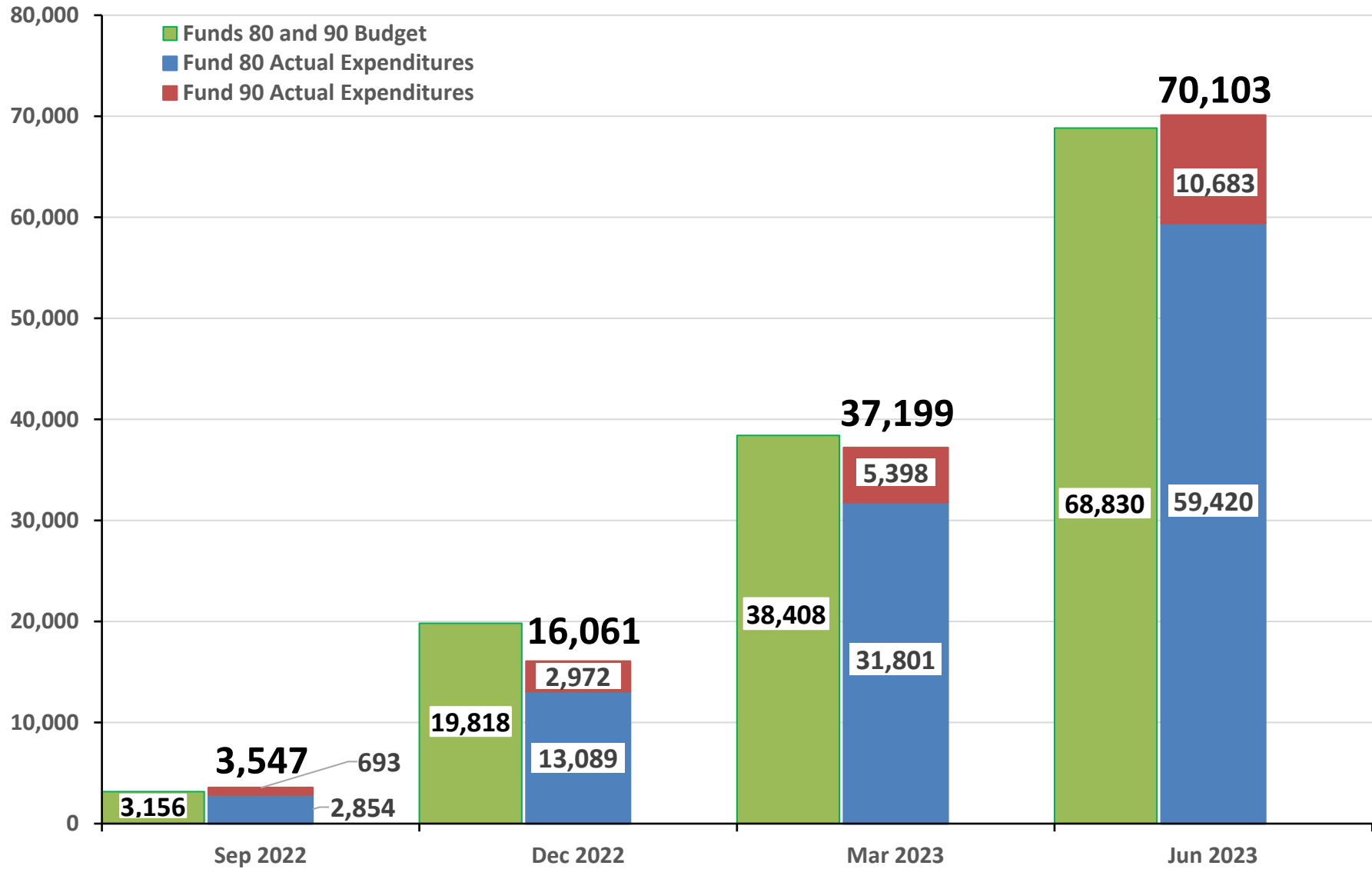
CIP Budget vs. Actual (Does Not Include ETSU) (x \$1,000)



ETSU Budget vs. Actual (x \$1,000)



CIP and ETSU Combined Budget vs. Actual (x \$1,000)





Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

**SEPTEMBER 25, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 15**

TITLE: Fourth Quarterly Report on the Enhanced Treatment and Site Upgrade Program for FY23 (This is an information item)

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

Recommendation
Information only.

Discussion

Staff prepared the attached Enhanced Treatment and Site Upgrade (ETSU) Quarterly Program Management Report for the fourth quarter of fiscal year 2023. Part 1 of the report provides an executive summary of the ETSU Program status, and the Program Dashboard as currently shown on the District Website. These reports are coordinated to coincide with the CIP quarterly reports to the Board.

Background

Staff and its consultants developed the “Alvarado Wastewater Treatment Plant (WWTP) Enhanced Treatment and Site Upgrade (ETSU) Quarterly Program Management (PM) Report” to provide the Board and interested public an overview document for tracking the progress of the ETSU program. This report looks at five key performance indicators, which include:

- Schedule
- Progress

- Budget
- Cashflow
- Reportable accidents

The format for the Alvarado WWTP ETSU Quarterly PM Report was developed with input from both the ETSU Steering Committee and the ETSU Ad Hoc Board Committee. The report includes an informational dashboard which is posted on the District’s website at the following address: <https://unionsanitary.ca.gov/ETSU>. Staff began utilizing the report beginning with the first Quarter of FY 22. ETSU quarterly reports will be coordinated to coincide with the CIP quarterly reports.

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 th 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 of the Phase 1B Project.
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>.

Previous Board Action

None

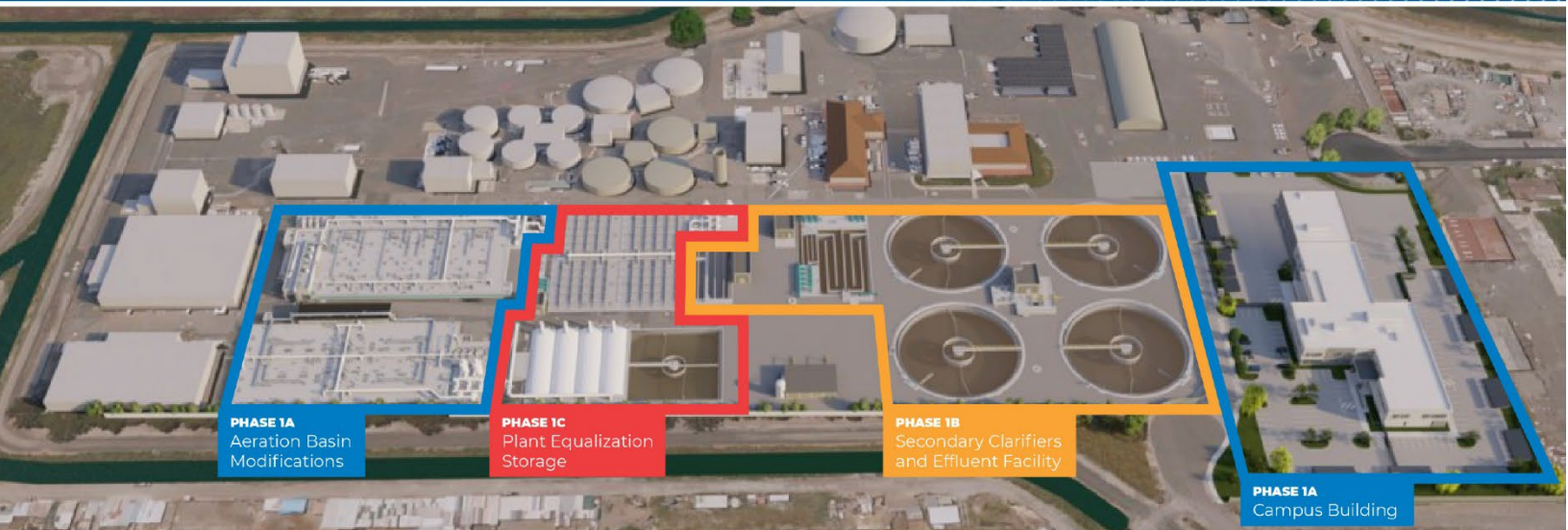
PRE/RP/CB

Attachment: Alvarado WWTP ETSU Quarterly PM Report for Fiscal Year 23 Quarter No. 4



USD TREAT
PROTECT
PRESERVE
est. 1918
TRI-CITY WASTEWATER

Alvarado Wastewater Treatment Plant Enhanced Treatment and Site Upgrade Quarterly Program Management Report



Fiscal Year 2023 – Quarter No. 4

Report Contents

1. Executive Summary.....	4
1.1 Program Management Status Summary	4
1.1.1 Schedule	5
1.1.2 Progress	6
1.1.3 Budget.....	7
1.1.4 Funding	7
1.1.5 Reportable Accidents.....	8
1.2 Major Accomplishments During Reporting Period.....	9
1.3 Program Management Key Concerns	10
2. Detailed Program Management Information.....	11
2.1 Detailed Program Costs	11
2.2 Program Milestone Schedule	13
3. Program Key Performance Indicator Descriptions	14



Enhanced Treatment and Site Upgrade Program

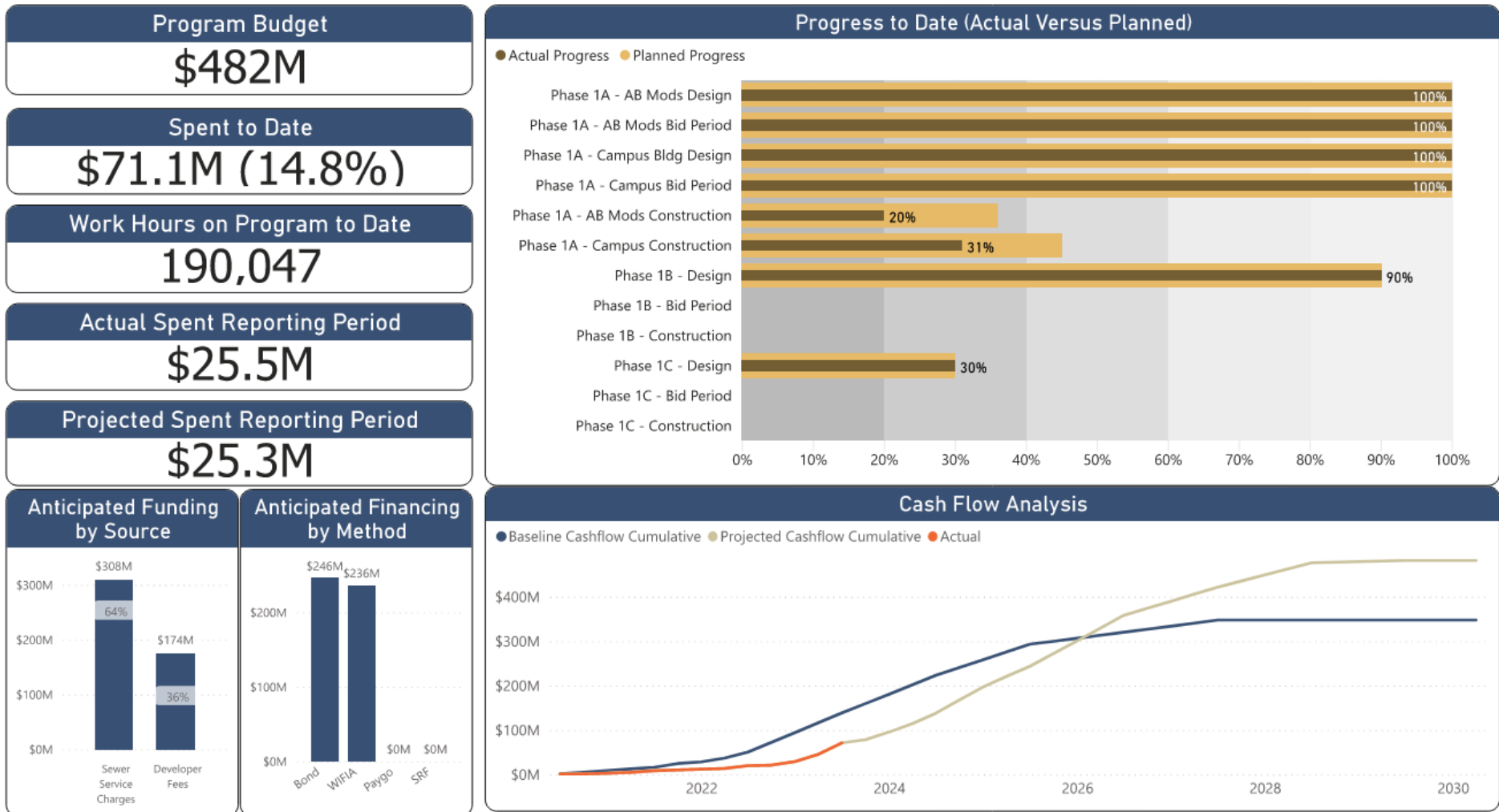







Figure 1-1: Program Dashboard

1.1 Program Management Status Summary

Table 1-1 provides a summary of the ETSU Program as of Fiscal Year 2023 – Quarter No. 4.

Table 1-1: Program Summary

Key Performance Indicator	Description	Current	Variance	Status	Comment
1. Schedule	Relationship between planned and actual schedule	Milestone on schedule	N/A		There are no approved changes to the planned construction schedule. See Part 1.3 Program Management Key Concerns for potential construction delays
2. Progress	Progress to Date	In progress	N/A		Aeration Basin Modifications and Campus Field construction activities continued.
3. Budget	Relationship between planned and actual budget	Within budget	None		Funds spent to date are within planned budget.
4. Cashflow	Actual funds spent versus projected for period	Matched Projected	None		Projected costs matched actual costs for the quarter.
5. Reportable Accidents	Number of OSHA reportable accidents for District staff associated with ETSU	0	N/A		There are no reportable accidents to date.

1.1.1 Schedule

A summary of the program schedule is presented in Table 1-2.

Table 1-2: Program Schedule Summary

Program Phase Milestone	Planned Milestone Start Date	Variance	Status	Actual Milestone Start Date
Phase 1A – Aeration Basin Modifications (AB Mods) Design	January 2020	None	■	January 2020
Phase 1A – Campus Building Design ¹	March 2020	2 months	■	May 2020
Phase 1A – AB Mods Bid Period	September 2021	None	■	September 2021
Phase 1A – Campus Building Bid ² Period	December 2021	3 months	■	March 2022
Phase 1A – AB Mods Construction	January 2022	None	■	January 2022
Phase 1A – Campus Building Construction	July 2022	None	■	June 2022
Phase 1B – Secondary Clarifiers and Effluent Facilities (SC and EF) Design	January 2021	None	■	January 2021
Phase 1B – SC and EF Bid Period	May 2024	None	■	TBD
Phase 1B – SC and EF Bid Construction	August 2024	None	■	TBD
Phase 1C – Primary Effluent Equalization (PE EQ) Design	August 2024	None	■	TBD
Phase 1C – PE EQ Bid Period	August 2027	None	■	TBD
Phase 1C – PE EQ Construction	November 2027	None	■	TBD

■ Milestone on schedule

■ Milestone within 2 months of schedule

■ Milestone >2 months behind schedule

1. The start of the Campus design was delayed due to the onset of the Covid 19 Pandemic
2. The Campus bid was behind schedule for a variety of reasons, specifically the amount of additional time required to finalize the interior layouts and fit and finish.

1.1.2 Progress

Table 1-3 summarizes the progress of the ETSU Program as of Fiscal Year 2023 – Quarter No. 4.

Table 1-3: Program Progress





Program Phase Milestone	Progress to Date	Status
Phase 1A – AB Mods Design	100%	■
Phase 1A – Campus Building Design	100%	■
Phase 1A – AB Mods Bid Period	100%	■
Phase 1A – Campus Building Bid Period	100%	■
Phase 1A – AB Mods Construction	20%	■
Phase 1A – Campus Building Construction	31%	■
Phase 1B – SC and EF Design	90%	■
Phase 1B – SC and EF Bid Period	0%	■
Phase 1B – SC and EF Bid Construction	0%	■
Phase 1C – PE EQ Design	30%	■
Phase 1C – PE EQ Bid Period	0%	■
Phase 1C – PE EQ Construction	0%	■




- Complete
- In Progress
- Not Started

1.1.3 Budget

Table 1-4 summarizes the budgeted amounts and funds spent to date for the ETSU Program.

Table 1-4: Program Budget Summary

Program Phase	Funds Spent to Date	Program Budget	Funds Spent vs. Baseline Budget to Date	Budget Status
Phase 1A – Aeration Basin Modifications	\$35.74 M	\$144.4M	25 %	
Phase 1A – Campus Building	\$31.65 M	\$97.14M	33 %	
Phase 1B – SC and EF	\$3.74 M	\$200.7M	2 %	
Phase 1C – PE EQ	\$0	\$39.6M	0%	

-  *Estimated cost within planned budget*
-  *Estimated cost within 5% of planned budget*
-  *Estimated cost greater than 5% of planned budget*

1.1.4 Funding

Table 1-5 summarizes the anticipated funding sources and funds spent to date for the ETSU Program.

Table 1-5: Summary of Funding Sources

Funding Source	Funds Spent to Date from Sources	Anticipated Funding Amount (Percent of Total Funding)	Comments
District Funds	\$10.4 M	\$0 (0%)	District funds used to pay for design services prior to Sept. 2021.
Bonds	\$ 60.72 M	\$246M (51%)	Bond funding is assumed to be baseline funding source.
CWSRF	\$0	\$0 (0%)	CWSRF applications for Phases 1A, 1B, and 1C were resubmitted in Dec. 2022.
WIFIA	\$0	\$236M (49%)	WIFIA loan closed in Dec. 2021; low interest funding for 49% of program.


1.1.5 Reportable Accidents

Table 1-6 summarizes the OSHA reportable accidents for District staff associated with the ETSU program.

Table 1-6 Reportable Accidents

Reportable Accident	Program Phase	Incident Description	Date Reported	Cause	Resolution	Follow Up Status
Issue No. 1	N/A	N/A	N/A	N/A	N/A	N/A

 *Follow Up Complete*

 *Follow Up in Progress*

 *Follow Up Required*

1.2 Major Accomplishments During Reporting Period

Table 1-7 summarizes major program accomplishments during Fiscal Year 2023 – Quarter No. 4.

Table 1-7: Major Program Accomplishments

Activity	Status	Next Milestone
Phase 1A – Aeration Basin Modifications	Contractor completed placement of new walls for Aeration Basin #1 & 3, and has started preparation for the new decks. Underground utilities for the new 12 kV Switchgear SE has continued to progress through the north side of the plant near covered storage. Excavation activities associated with the new Aeration Basin 8 was started and mostly completed.	Construction final completion schedule for January 2026.
Phase 1A – Campus Building	Contractor completed exterior framing and has commenced sheathing activities. Installation of CMU block for the FMC Shop was completed, Contractor started structural steel for FMC Shop. Contractor continues installation of new storm drain and sanitary sewer underground piping.	Move-in anticipated late 2024
Phase 1B – Secondary Clarifier and Effluent Facilities	Phase 1B design workshops with staff ongoing.	Design completion anticipated May 2024.

1.3 Program Management Key Concerns

Table 1-8 summarizes the status of key program elements that could impact the overall success of the ETSU Program.

Table 1-8: Program Key Concerns

Activity	Status	Comments
Modifications to ACWD Water Main	During this quarter the analysis and confirmation of the fire water service pressure at each of the existing buildings was completed and submitted to the Fire Marshall for review. Once approved, the plans will then be submitted to the ACWD to finalize approval of the new water main.	Approval of the fire water service pressure by the local fire marshal is required prior to the final review and approval of ACWD. ACWD’s review and approval of new water main, meters, and easement must be completed prior to construction of the new lines during the Campus Building project.
Electrical Equipment Delays	<p>Phase 1A AB Mods major electrical equipment construction submittal process continued during this quarter. Electrical Equipment delays is anticipated to delay the project and the Campus and Stand-by Power Projects. Staff is holding talks at the executive level with the Contractor to discuss schedule mitigation concepts and impacts.</p> <p>The Contractor provided a revised submission to PG&E in February 2023 for the remaining switchgear that requires approval. No response was received from PG&E this quarter. Still awaiting confirmed delivery dates for other electrical equipment from manufacturers.</p> <p>Preliminary delivery dates for some Campus electrical equipment may also cause a delay in the Campus completion. Staff has developed a plan to mitigate the impact of PG&E delays on the Campus project and is awaiting pricing from contractors to implement plan.</p>	<p>No delivery date will be guaranteed by supplier until submittal is approved by PG&E.</p> <p>Preliminary delivery dates from suppliers are expected to cause delays to construction schedule. Extent of delay will be evaluated once delivery dates determined.</p>

Detailed Program Management Information

1.4 Detailed Program Costs

The following tables show the detailed costs to date for contracts for each element of the ETSU Program.

Table 2-1: Phase 1A – Aeration Basin Modifications Cost Summary (through June 2023)

Consultant / Contractor	Phase	Actual Expenditures to Date	Total Contracted Cost	Contract Expended to Date (%)
Hazen and Sawyer	Design	\$ 7,575,893.21	\$7,601,955	99.65 %
Jacobs Engineering	Design	\$ 10,683	\$10,703	99.8 %
Psomas	Design/Construction	\$ 1,513,321.90	\$6,777,552	22.3 %
W. M. Lyles	Construction	\$ 24,817,803.95	\$121,040,201	20.50 %
Hazen and Sawyer	Construction	\$ 1,537,543.79	\$3,924,756	39.2 %

Table 2-2: Phase 1A – Campus Building Cost Summary (through June 2023)

Consultant / Contractor	Phase	Actual Expenditures to Date	Total Contracted Cost	Contract Expended to Date (%)
Hazen and Sawyer (Burks Toma Architects)	Design	\$3,730,672.35	\$3,737,412	99.8 %
Psomas	Design/Construction	\$1,803,236.00	\$4,208,731	42.8 %
Zovich Construction	Construction	\$ 23,703,524.04	\$ 76,375,000	31.0 %
Hazen and Sawyer (Burks Toma Architects)	Construction	\$ 1,837,617.787	\$ 4,649,745	39.5 %

Table 2-3: Phase 1B – SC and EF Cost Summary (through June 2023)

Consultant / Contractor	Phase	Actual Expenditures to Date	Total Contracted Cost	Contract Expended to Date (%)
Hazen and Sawyer	Design	\$ 3,584,844.39	\$7,960,952	45.0 %
HDR, Inc.	Design	\$ 91,997.43	\$ 126,327.00	72.8 %
Woodard & Curran	Design	\$ 17,666.25	\$ 24,900.00	70.9 %

Table 2-4: Phase 1C – Plant Equalization Summary (through June 2023)

Consultant / Contractor	Phase	Actual Expenditures to Date	Total Contracted Cost	Contract Expended to Date (%)
Hazen and Sawyer	Design	\$ TBD	\$ TBD	0.0 %

Table 2-5: Miscellaneous Program Cost Summary (through June 2023)

Miscellaneous Program Costs	Actual Expenditures to Date	Comments
Phase 1A – AB Mods	\$ 304,790.87	Includes Permits, Time Lapse Equipment, and Contract Documents Printing Cost
Phase 1A – Campus Building & SDPS	\$ 577,021.21	Includes, Permits, Time Lapse Equipment, and Contract Documents Printing Cost
Phase 1B – Secondary Clarifiers	\$45,850.83	Includes Permits, Legal Fees, and Temporary Dechlorination System.

1.5 Program Milestone Schedule

Phase	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
1A - AB Mods Design	■									
1A - AB Mods Bid Period		■								
1A - AB Mods Construction			■							
1A - Campus Design	■	■								
1A - Campus Bid Period			■							
1A - Campus Construction			■	■						
1B - Design		■			■					
1B - Bid Period					■					
1B - Construction					■					
1C - Design					■			■		
1C - Bid Period								■		
1C - Construction									■	

2. Program Key Performance Indicator Descriptions

Five (5) KPIs were established to gauge the progress of the program. These KPIs represent various success factors associated with program management and delivery phases and are summarized in Figure 3-1 and Table 3-1.

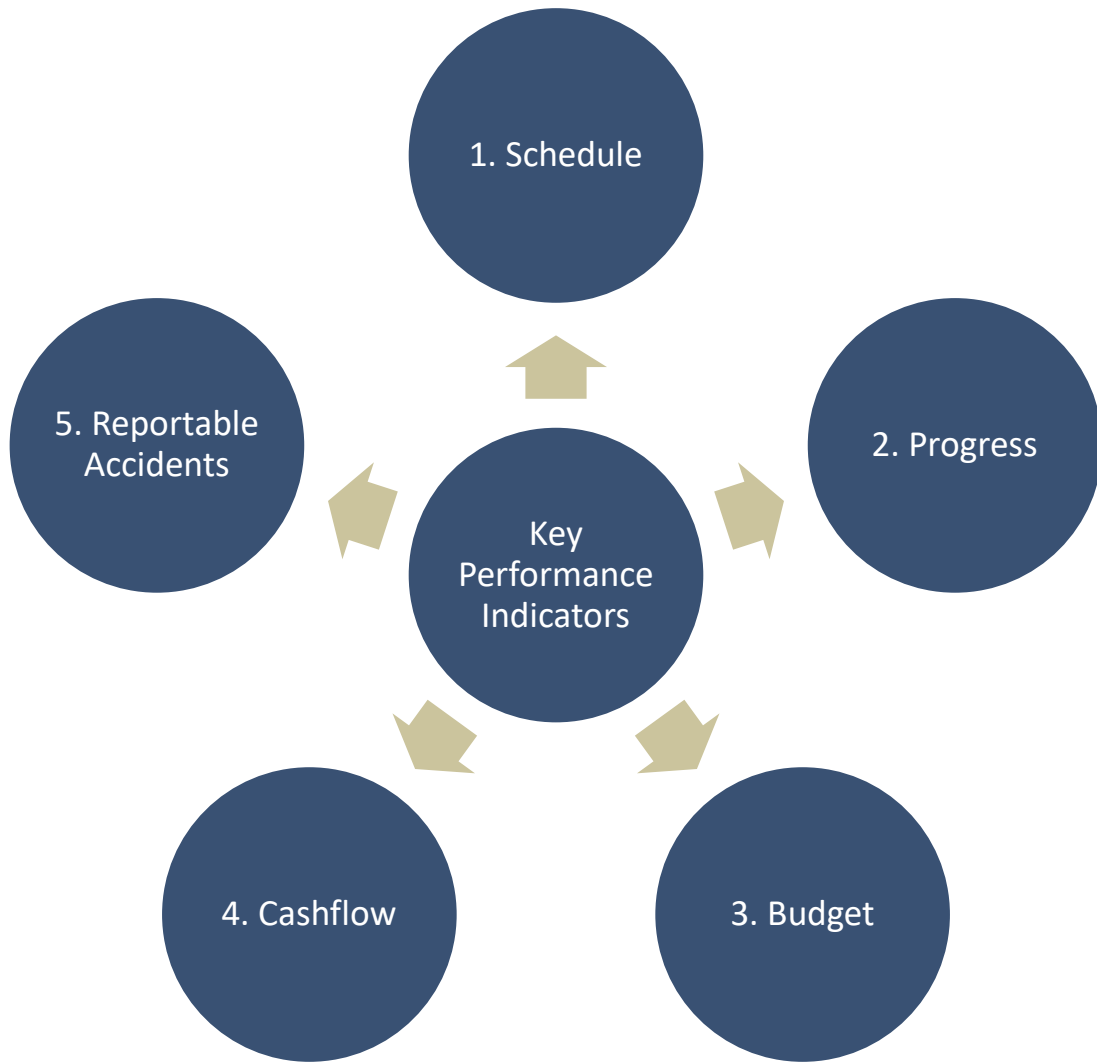





Figure 3-1: Key Performance Indicators of the ETSU Program

Table 3-1: Key Performance Indicator Metrics

Key Performance Indicator	Description	Overall Program Status		
				
1. Schedule	Relationship between planned and actual schedule	Milestone on schedule	Milestone within 2 months of schedule	Milestone >2 months behind schedule
2. Progress	Progress to Date	Complete	In Progress	Not Started
3. Budget	Relationship between planned and actual budget	Funds spent are within planned Budget	Funds spent are within 5% of planned Budget	Funds spent are >5% above planned Budget
4. Cashflow	Actual funds spent versus projected for period	Funds spent are within +/- 10% of projected spent	Funds spent are within +/- 20% of projected spent	Funds spent are more than +/- 20% of projected spent
5. Reportable Accidents	Number of OSHA reportable accidents for District staff associated with ETSU	0	1-2	>2

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
185252	9/14/2023	143	800452.15	CLARK CONSTRUCTION GROUP CA LP	STANDBY POWER SYSTEM UPGRADE	\$1,333,108.82	\$1,333,108.82
185206	9/7/2023	114	2011800430	HAZEN AND SAWYER	ETSU PHASE 1B PROJECT	\$179,702.38	\$409,312.86
	9/7/2023	114	2011801017		MP - AERATION BASIN MODIFICATIONS	\$94,671.97	
	9/7/2023	114	2011801112		CAMPUS BUILDINGS (ADMIN, FMC, OPS)	\$134,938.51	
185231	9/7/2023	110	101523	WASTEWATER SOLIDS MGMT INC	CLEANING OF PRIMARY DIGESTER NO.6	\$152,347.50	\$313,819.87
	9/7/2023	110	101623		CLEANING OF PRIMARY DIGESTER NO.6	\$161,472.37	
185220	9/7/2023	114	199156	PSOMAS CORP	AERATION BASIN MODIFICATIONS (0532) & CAMPUS BUILDING (0545)	\$247,543.43	\$247,543.43
185276	9/14/2023	110	1768048	POLYDYNE INC	41,420 LBS CLARIFLOC WE-539	\$11,468.16	\$109,415.46
	9/14/2023	110	1768049		44,560 LBS CLARIFLOC C-6267	\$86,362.85	
	9/14/2023	110	1768050		41,840 LBS CLARIFLOC WE-539	\$11,584.45	
185287	9/14/2023	110	40340	SYNAGRO WEST LLC	JUL 2023 BIOSOLIDS DISPOSAL	\$105,635.15	\$105,635.15
185246	9/14/2023	143	11490817	BROWN & CALDWELL CONSULTANTS	DIGESTER EFFICIENCY EVALUATION	\$78,747.55	\$78,747.55
185219	9/7/2023	173	6202	PIPELOGIX INC	PACP7 AND PHOENIX UPGRADE	\$69,958.13	\$69,958.13
185293	9/14/2023	110	470013486	USP TECHNOLOGIES	4358 GALS HYDROGEN PEROXIDE	\$20,090.38	\$59,118.64
	9/14/2023	110	470013517		4068 GALS HYDROGEN PEROXIDE	\$18,753.48	
	9/14/2023	110	470013584		4398 GALS HYDROGEN PEROXIDE	\$20,274.78	

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
185260	9/14/2023	110	912889	HASA INC	4611 GALS SODIUM HYPOCHLORITE	\$14,309.66	\$57,932.33
	9/14/2023	110	913625		4624 GALS SODIUM HYPOCHLORITE	\$14,558.73	
	9/14/2023	110	913630		4621 GALS SODIUM HYPOCHLORITE	\$14,549.29	
	9/14/2023	110	915053		4610 GALS SODIUM HYPOCHLORITE	\$14,514.65	
185205	9/7/2023	110	910301	HASA INC	4454 GALS SODIUM HYPOCHLORITE	\$14,023.49	\$56,953.49
	9/7/2023	110	911114		4607 GALS SODIUM HYPOCHLORITE	\$14,505.21	
	9/7/2023	110	911128		4470 GALS SODIUM HYPOCHLORITE	\$14,073.86	
	9/7/2023	110	912168		4558 GALS SODIUM HYPOCHLORITE	\$14,350.93	
185201	9/7/2023	150	17895	FONG & FONG PRINTERS & LITHO	POSTAGE FOR NEWSLETTER	\$32,134.79	\$32,134.79
185209	9/7/2023	110	9017801310	KEMIRA WATER SOLUTIONS INC	46,480 LBS FERROUS CHLORIDE	\$10,245.06	\$29,174.29
	9/7/2023	110	9017801344		42,660 LBS FERROUS CHLORIDE	\$9,549.75	
	9/7/2023	110	9017801604		42,200 LBS FERROUS CHLORIDE	\$9,379.48	
185274	9/14/2023	170	761520230830	PACIFIC GAS AND ELECTRIC	SERV TO 08/23/23 NEWARK PS	\$26,619.20	\$26,619.20
185277	9/14/2023	143	800516.7	POWER ENGINEERING CONSTRUCTION	FORCE MAIN CORROSION REPAIRS PROJECT PHASE 3	\$26,395.96	\$26,395.96
185211	9/7/2023	170	508473	LUBRICATION ENGINEERS INC	1 OIL FILTER CART	\$3,708.76	\$25,229.69
	9/7/2023	170	508474		2 BULK OIL	\$21,520.93	
185243	9/14/2023		B0B4WL	BENEFIT COORDINATORS CORP	DELTA DENTAL CLAIMS - AUG 2023	\$22,152.63	\$22,152.63
185197	9/7/2023	143	11490577	BROWN & CALDWELL CONSULTANTS	COGEN REPLACEMENT & VENTILATION STUDY	\$2,199.95	\$20,481.00
	9/7/2023	143	11490620		STANDBY POWER SYSTEM UPGRADE	\$18,281.05	

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
185226	9/7/2023	120	20230519	CITY OF UNION CITY	CITYWIDE STREET PAVEMENT REHABILITATION PROJECT CONSTRUC	\$20,350.00	\$20,350.00
185249	9/14/2023	173	50761	CDW GOVERNMENT LLC	CISCO ACCURATE RUGGED SWITCH	\$19,301.86	\$19,301.86
185296	9/14/2023	143	28055	WOODARD & CURRAN INC	FORCE MAIN CONDITION ASSESSMENT	\$17,954.50	\$17,954.50
185291	9/14/2023		533620230822	US BANK CORP PAYMENT SYSTEM	MONTHLY CAL-CARD REPORT - AUG 2023	\$17,814.58	\$17,814.58
185265	9/14/2023	110	9017801866	KEMIRA WATER SOLUTIONS INC	47,780 LBS FERROUS CHLORIDE	\$11,493.77	\$11,493.77
185251	9/14/2023	173	5799105	CLARIS INTERNATIONAL INC	FILEMAKER LICENSING AND SUPPORT	\$11,370.00	\$11,370.00
185210	9/7/2023		374322230901	LINCOLN NATIONAL LIFE INS COMP	LIFE & DISABILITY INSURANCE - SEP 2023	\$9,643.67	\$9,643.67
185244	9/14/2023	170	323025	BOULDEN ENERGY SYSTEMS LLC	COGEN2 PHE (HEAT EXCHANGER)	\$8,202.33	\$8,202.33
185262	9/14/2023	144	114	STEPHANIE HUGHES, CHE P.E.	CONSULTING SERVICES	\$6,693.75	\$6,693.75
185270	9/14/2023	170	13037429	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$442.95	\$6,375.20
	9/14/2023	170	13206851		ASTD PARTS & MATERIALS	\$574.10	
	9/14/2023	122	13209887		ASTD PARTS & MATERIALS	\$146.46	
	9/14/2023	170	13780808		ASTD PARTS & MATERIALS	\$1,742.27	
	9/14/2023		13810665		ASTD PARTS & MATERIALS	\$965.41	
	9/14/2023	170	13817575		ASTD PARTS & MATERIALS	\$53.77	
	9/14/2023	170	13880244		ASTD PARTS & MATERIALS	\$56.65	
	9/14/2023	121	13882245		ASTD PARTS & MATERIALS	\$1,388.26	
	9/14/2023	121	13905464		ASTD PARTS & MATERIALS	\$1,005.33	
185218	9/7/2023		29614161	PAN PACIFIC SUPPLY COMPANY	2 SEALS	\$5,578.10	\$5,578.10

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
185242	9/14/2023	143	82394	BEECHER ENGINEERING	SWITCHBOARD NO 3 & MCC NO 25 REPLACEMENT	\$3,570.00	\$4,770.00
	9/14/2023	143	82396		CHERRY ST. PS	\$1,200.00	
185232	9/7/2023	143	223095	WOODARD & CURRAN INC	ALVARADO BASIN CAPACITY & CONDITION	\$4,590.00	\$4,590.00
185258	9/14/2023	170	9791715320	GRAINGER INC	ASTD PARTS & MATERIALS	\$145.38	\$4,422.39
	9/14/2023	170	9793536682		ASTD PARTS & MATERIALS	\$10.85	
	9/14/2023	170	9794452780		ASTD PARTS & MATERIALS	\$278.34	
	9/14/2023	170	9794674334		ASTD PARTS & MATERIALS	\$147.77	
	9/14/2023	170	9794777152		ASTD PARTS & MATERIALS	\$36.50	
	9/14/2023	111	9795555037		ASTD PARTS & MATERIALS	\$28.08	
	9/14/2023	111	9795807990		ASTD PARTS & MATERIALS	\$20.33	
	9/14/2023		9795948067		ASTD PARTS & MATERIALS	\$1,787.11	
	9/14/2023	170	9796310010		ASTD PARTS & MATERIALS	\$115.64	
	9/14/2023	170	9796368901		ASTD PARTS & MATERIALS	\$304.65	
	9/14/2023	170	9797237295		ASTD PARTS & MATERIALS	\$1,226.82	
	9/14/2023	111	9797723401		ASTD PARTS & MATERIALS	\$3.56	
	9/14/2023		9797835767		ASTD PARTS & MATERIALS	\$259.36	
	9/14/2023	170	9799325007		ASTD PARTS & MATERIALS	\$21.48	
	9/14/2023	170	9800946866		ASTD PARTS & MATERIALS	\$36.52	

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
185228	9/7/2023		9942526309	VERIZON WIRELESS	WIRELESS SERV 07/21/23-08/20/23	\$1,263.95	\$4,061.11
	9/7/2023		9942526310		WIRELESS SERV 07/21/23-08/20/23	\$2,797.16	
185233	9/14/2023		20230831	AFLAC GROUP	GROUP INSURANCE - AUG 2023	\$4,032.03	\$4,032.03
185225	9/7/2023	123	12158	THORNTON ENVIRONMENTAL CONST	PHASE 1 & 2 VAPOR RECOVERY TESTING	\$1,646.00	\$3,852.00
	9/7/2023	123	6794		PHASE 1 & 2 VAPOR RECOVERY TESTING	\$2,206.00	
185194	9/7/2023		B09YGJ	BENEFIT COORDINATORS CORP	DELTA DENTAL AND VSP STMT - SEP 2023	\$3,754.25	\$3,754.25
185279	9/14/2023	120	916005392449	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - SEP 2023	\$3,598.46	\$3,598.46
185237	9/14/2023		8480121567	ANDRITZ SEPARATION INC	GBT BELTS	\$3,538.72	\$3,538.72
185245	9/14/2023	121	367689	BRENNTAG PACIFIC INC	3828 LBS SODIUM HYDROXIDE	\$3,382.84	\$3,382.84
185269	9/14/2023	113	2308992	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$1,195.50	\$3,312.50
	9/14/2023	113	2308C02		LAB SAMPLE ANALYSIS	\$165.00	
	9/14/2023	113	2308C10		LAB SAMPLE ANALYSIS	\$524.50	
	9/14/2023	113	2308C21		LAB SAMPLE ANALYSIS	\$836.00	
	9/14/2023	113	2308E85		LAB SAMPLE ANALYSIS	\$591.50	
185196	9/7/2023	121	365442	BRENNTAG PACIFIC INC	1276 LBS SODIUM HYDROXIDE	\$1,089.16	\$3,257.66
	9/7/2023	121	365443		2552 LBS SODIUM HYDROXIDE	\$2,168.50	
185259	9/14/2023	170	97535300	H & E EQUIPMENT SERVICES INC	EQUIPMENT RENTAL 08/09/2023 - 09/05/2023	\$2,956.30	\$2,956.30
185192	9/7/2023	121	31888	BAYSCAPE LANDSCAPE MANAGEMENT	LANDSCAPE MAINTENANCE SERVICES - 1 TREE	\$2,925.00	\$2,925.00
185285	9/14/2023	170	17326	STATE ELECTRIC GENERATOR	FLS GENSET BOARD	\$2,861.23	\$2,861.23

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
185217	9/7/2023	170	143641	NEW IMAGE LANDSCAPING CO	LANDSCAPE MAINTENANCE - FMC - AUG	\$2,645.04	\$2,645.04
185213	9/7/2023	113	2307M29A	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$95.00	\$2,515.50
	9/7/2023	113	2308293		LAB SAMPLE ANALYSIS	\$816.50	
	9/7/2023	113	2308299		LAB SAMPLE ANALYSIS	\$1,327.50	
	9/7/2023	113	2308888		LAB SAMPLE ANALYSIS	\$276.50	
185203	9/7/2023		9788231166	GRAINGER INC	ASTD PARTS & MATERIALS	\$114.83	\$2,395.19
	9/7/2023		9788857374		ASTD PARTS & MATERIALS	\$1,225.76	
	9/7/2023	122	9790028717		ASTD PARTS & MATERIALS	\$77.13	
	9/7/2023	170	9791420202		ASTD PARTS & MATERIALS	\$385.08	
	9/7/2023		9791420236		ASTD PARTS & MATERIALS	\$592.39	
185268	9/14/2023	111	20230912	NOAH LUNDY	EXP REIMB: WEFTEC MEMBERSHIP & REGISTRATION	\$2,202.15	\$2,202.15
185200	9/7/2023	111	20230906	AUSTIN FARSAI	TRAVEL REIMB:WEFTEC REGI/LODGING/AIRFARE	\$2,116.46	\$2,116.46
185284	9/14/2023		761230361201	STAPLES CONTRACT & COMMERCIAL	JANITORIAL & BREAKROOM SUPPLIES	\$58.14	\$2,093.40
	9/14/2023		761254511701		JANITORIAL & BREAKROOM SUPPLIES	\$142.85	
	9/14/2023		761254511702		JANITORIAL & BREAKROOM SUPPLIES	\$147.97	
	9/14/2023		761344302001		JANITORIAL & BREAKROOM SUPPLIES	\$726.73	
	9/14/2023		761369569001		JANITORIAL & BREAKROOM SUPPLIES	\$1,017.71	
185199	9/7/2023		334507	CENTERVILLE LOCKSMITH	48 LOCKS	\$2,061.28	\$2,061.28
185215	9/7/2023	123	811233	MISSION CLAY PRODUCTS LLC	ASTD CLAY FITTINGS	\$1,982.47	\$1,982.47

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
185214	9/7/2023	170	12672289	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$34.75	\$1,943.67
	9/7/2023	121	12743394		ASTD PARTS & MATERIALS	\$148.40	
	9/7/2023	170	13351690		ASTD PARTS & MATERIALS	\$361.32	
	9/7/2023		13446204		ASTD PARTS & MATERIALS	\$967.47	
	9/7/2023	170	13446405		ASTD PARTS & MATERIALS	\$163.19	
	9/7/2023	170	13513784		ASTD PARTS & MATERIALS	\$151.36	
	9/7/2023	170	13594800		ASTD PARTS & MATERIALS	\$44.71	
	9/7/2023	170	13596585		ASTD PARTS & MATERIALS	\$72.47	
185234	9/14/2023	170	5641182001	ALAMEDA ELECTRICAL DISTR. INC.	ASTD ELECTRICAL SUPPLIES	\$1,530.84	\$1,881.23
	9/14/2023	170	5641182002		ASTD ELECTRICAL SUPPLIES	\$108.16	
	9/14/2023	170	5641182003		ASTD ELECTRICAL SUPPLIES	\$242.23	
185275	9/14/2023		29614188	PAN PACIFIC SUPPLY COMPANY	2 SEALS	\$1,860.38	\$1,860.38
185294	9/14/2023	143	2054722	WEST YOST ASSOCIATES	FORCE MAIN CORROSION REPAIRS PROJECT PHASE 4	\$1,856.75	\$1,856.75
185281	9/14/2023		89960	SANTA FE WATER SYSTEMS	2 VENTOMATIC FLOATS	\$1,847.31	\$1,847.31
185188	9/7/2023	130	16689532	APPLEONE EMPLOYMENT SVCS	TEMP LABOR-LARIOS, WK END 08/12/23	\$1,761.64	\$1,761.64
185191	9/7/2023	136	2522571424	BANK OF NEW YORK	JULY 2023 SERVICE FEES	\$1,728.68	\$1,728.68
185271	9/14/2023	170	2452452	MOBILE MODULAR MANAGEMENT CORP	FMC TRAILER RENTAL - SEP 2023	\$1,635.18	\$1,635.18
185239	9/14/2023		5180242333	ARAMARK	UNIFORM LAUNDERING & RUGS	\$810.85	\$1,615.54
	9/14/2023		5180242334		UNIFORM LAUNDERING SERVICE	\$804.69	

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
185222	9/7/2023		2155982002	SAN LEANDRO ELECTRIC SUPPLY	ASTD ELECTRICAL SUPPLIES	\$171.49	\$1,527.87
	9/7/2023		2159163004		ASTD ELECTRICAL SUPPLIES	\$1,264.32	
	9/7/2023		2161496001		ASTD ELECTRICAL SUPPLIES	\$92.06	
185255	9/14/2023		10242	ENERGY CHOICE INC	COGEN PARTS	\$1,501.43	\$1,501.43
185292	9/14/2023	136	7035402	US BANK CORP PAYMENT SYSTEM	ADMINISTRATION FEES - 08/1/2023 - 07/31/2024	\$1,350.00	\$1,350.00
185224	9/7/2023	173	270931	SYN-TECH SYSTEMS INC	ANNUAL MAINTENANCE FOR FUELMASTER	\$1,275.00	\$1,275.00
185247	9/14/2023	170	53889293	BURLINGAME ENGINEERS INC	COGEN 1 HOT WATER CIRC LOOP PUMP REBUILD KIT	\$1,236.15	\$1,236.15
185212	9/7/2023	123	40050853	MARTIN MARIETTA MATERIALS INC	12.36 TONS 1/2 MAX HMA TYPE A-R	\$1,196.57	\$1,196.57
185248	9/14/2023	173	6005310465	CANON SOLUTIONS AMERICA INC	MTHLY MAINTENANCE BASED ON USE	\$743.40	\$1,161.15
	9/14/2023	173	6005311477		MTHLY MAINTENANCE BASED ON USE	\$417.75	
185190	9/7/2023		20352716	AT&T	SERV: 07/10/23 - 08/09/23	\$1,050.83	\$1,050.83
185267	9/14/2023		509172	LUBRICATION ENGINEERS INC	LE 1275 AUTO LUBRICATION CARTRIDGE	\$1,001.19	\$1,001.19
185189	9/7/2023		5180239747	ARAMARK	UNIFORM LAUNDERING & RUGS	\$403.87	\$981.31
	9/7/2023		5180239748		UNIFORM LAUNDERING SERVICE	\$483.45	
	9/7/2023		5180239750		ASTD DUST MOPS, WET MOPS & TERRY	\$93.99	
185240	9/14/2023		7007411800	AT&T	SERV: 08/11/23 - 09/10/23	\$872.58	\$872.58
185286	9/14/2023	170	11895	SUPPORT PRODUCT SERVICES INC	COGEN EMISSIONS ANALYZER	\$866.70	\$866.70
185207	9/7/2023	170	624218	INSTRUMART	1 PH SENSOR	\$785.35	\$785.35
185278	9/14/2023	170	105591	PRIME MECHANICAL SERVICE INC	SERVICE CALL: BLDG 79 & 75	\$745.58	\$745.58

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
185241	9/14/2023	122	31947	BAYSCAPE LANDSCAPE MANAGEMENT	LANDSCAPE MAINTENANCE SERVICES - 1 TREE	\$700.00	\$700.00
185238	9/14/2023	130	16695840	APPLEONE EMPLOYMENT SVCS	TEMP LABOR-LARIOS, WK END 08/19/23	\$688.64	\$688.64
185272	9/14/2023		12697	MUNICIPAL MAINT EQUIPMENT INC	VACTOR PARTS	\$687.10	\$687.10
185187	9/7/2023	170	17VQN34HRTXD	AMAZON.COM LLC	ASTD OFFICE SUPPLIES	\$56.50	\$682.12
	9/7/2023	170	1VQV4VHWWMV4		ASTD OFFICE SUPPLIES	\$553.69	
	9/7/2023	170	1VR77NHKRJMY		ASTD OFFICE SUPPLIES	\$71.93	
185253	9/14/2023	143	3722318	DAILY JOURNAL CORPORATION	FORCE MAIN CORROSION REPAIRS - PHASE 4	\$675.00	\$675.00
185230	9/7/2023		8813763401	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$614.58	\$614.58
185263	9/14/2023	132	40894	ICE SAFETY SOLUTIONS INC	FIRST AID KIT & AED SERVICING	\$190.00	\$603.44
	9/14/2023	132	40895		FIRST AID & AED SUPPLIES	\$413.44	
185236	9/14/2023	122	141HQXCMRNJY	AMAZON.COM LLC	ASTD OFFICE SUPPLIES	\$129.63	\$522.35
	9/14/2023	130	144FW1FMDTQL		ASTD OFFICE SUPPLIES	\$47.59	
	9/14/2023	132	16LNVYHJDGWH		ASTD OFFICE SUPPLIES	\$196.92	
	9/14/2023		17371LQ9DJTQ		ASTD OFFICE SUPPLIES	\$41.52	
	9/14/2023	143	1HLJ4XVQ3DHD		ASTD OFFICE SUPPLIES	\$55.06	
	9/14/2023	170	1TJ4QHNRHG14		ASTD OFFICE SUPPLIES	\$51.63	
185223	9/7/2023		31586	MADHUSUDHANA SUNKARA	REFUND # 60576	\$500.00	\$500.00
185254	9/14/2023		48298	ECONOMY ROOTER & PLUMBING INC	REFUND # 60586	\$500.00	\$500.00
185256	9/14/2023	170	906041821	EVOQUA WATER TECHNOLOGIES	DI WATER SYSTEM	\$458.32	\$458.32

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
185184	9/7/2023	143	22282435	ABC IMAGING, INC	EAST WARREN AVENUE SS REPLACEMENT -	\$439.78	\$439.78
185280	9/14/2023	170	488400	RKI INSTRUMENTS INC	ASTD PARTS & MATERIALS	\$423.62	\$423.62
185235	9/14/2023	170	5294752	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$93.03	\$399.62
	9/14/2023	170	5294753		ASTD PARTS & MATERIALS	\$51.31	
	9/14/2023	170	5294965		ASTD PARTS & MATERIALS	\$251.38	
	9/14/2023	170	5294966		ASTD PARTS & MATERIALS	\$3.90	
185261	9/14/2023	170	768520230828	HOME DEPOT CREDIT SERVICES	MONTHLY HARDWARE STMT - AUG 2023	\$376.41	\$376.41
185186	9/7/2023	170	5294485	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$373.78	\$373.78
185195	9/7/2023	120	18244910	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$342.25	\$361.30
	9/7/2023	120	18251570		ASTD OFFICE SUPPLIES	\$19.05	
185288	9/14/2023	111	20230911	NEGIN TOOTIAN	EXP REIMB: EXAM REVIEW COURSE	\$349.99	\$349.99
185202	9/7/2023	120	4095323001	GLACIER ICE COMPANY INC	144 5-LB CUBE OF ICE	\$322.00	\$322.00
185266	9/14/2023	120	20230907	MATTHEW LUBINA	EXP REIMB: TEAM RECOGNITION	\$309.58	\$309.58
185273	9/14/2023	120	20230911	SHAWN NESGIS	EXP REIMB: CS RECOGNITION	\$288.16	\$288.16
185257	9/14/2023		203464	FITGUARD INC	PREVENTATIVE MAINTENANCE - EXERCISE CLUB EQUIPMENT	\$259.00	\$259.00
185208	9/7/2023	173	6077568	INTRADO LIFE & SAFETY INC	E911 ANNUAL SUBSCRIPTION	\$250.00	\$250.00
185229	9/7/2023		676864	VIASTRAN CORPORATION	8 DRYING TUBES	\$235.52	\$235.52
185193	9/7/2023	171	26985200	BECK'S SHOES	SAFETY SHOES: M. TATAKAMOTONGA	\$225.00	\$225.00

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
185204	9/7/2023	140	174429	HANIGAN COMPANY INC	BUSINESS CARDS - M. POWELL	\$56.04	\$203.54
	9/7/2023	140	174430		BUSINESS CARDS - GENERIC	\$56.04	
	9/7/2023	140	174431		BUSINESS CARDS - L. LEON & J. RIVAS	\$91.46	
185295	9/14/2023	171	10786211	WESTERN TOOL & SUPPLY CO	ASTD PARTS & MATERIALS	\$177.24	\$177.24
185290	9/14/2023	136	98XW53333	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 08/19/23	\$176.90	\$176.90
185282	9/14/2023	123	54071	SCHAA'S LAWNMOWER SALES & SERV	ASTD PARTS & MATERIALS	\$150.55	\$150.55
185227	9/7/2023	136	98XW53323	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 08/12/23	\$121.64	\$121.64
185264	9/14/2023		62600000282096	KELLY-MOORE PAINT COMPANY	ASTD PAINTING SUPPLIES	\$107.13	\$107.13
185221	9/7/2023	170	85340220230822	SAN FRANCISCO WATER DEPT	SERVICE 07/22/23 - 08/18/23	\$93.54	\$93.54
185185	9/7/2023	170	4088644120230823	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 08/21/23 - BOYCE ROAD	\$89.98	\$89.98
185216	9/7/2023	120	20230905	SHAWN NESGIS	EXP REIMB: BOOT INSOLES	\$87.49	\$87.49
185250	9/14/2023	141	20230908	EMILY CHANDLER-PEREZ	EXP REIMB: CST MEETING REFRESHMENTS	\$86.41	\$86.41
185198	9/7/2023	113	710978	CALTEST ANALYTICAL LABORATORY	1 LAB SAMPLE ANALYSIS	\$72.90	\$72.90
185289	9/14/2023	141	440746	ULTRAEX LLC	COURIER SVCS: 1 BOARDMEMBER DELIVERY - 08/09/23	\$56.30	\$56.30
185283	9/14/2023	170	2308281S	SGS NORTH AMERICA INC	2 ANALYSIS	\$40.00	\$40.00

**UNION SANITARY DISTRICT
CHECK REGISTER
09/02/2023-09/15/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am	
Invoices:					Checks:			
Credit Memos :			0					
\$0 - \$1,000 :			109	31,492.67	\$0 - \$1,000 :	43	16,960.45	
\$1,000 - \$10,000 :			54	147,555.32	\$1,000 - \$10,000 :	46	137,249.60	
\$10,000 - \$100,000 :			30	782,431.90	\$10,000 - \$100,000 :	18	603,182.41	
Over \$100,000 :			7	2,314,748.16	Over \$100,000 :	6	2,518,835.59	
Total:			200	3,276,228.05	Total:	113	3,276,228.05	