



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

**Monday, September 26, 2022**

**Regular Meeting - 4:00 P.M.**

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

**Directors**

Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

**Officers**

Paul R. Eldredge  
*General Manager/  
District Engineer*

Karen W. Murphy  
*Attorney*

**CORONAVIRUS (COVID-19) ADVISORY NOTICE**

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

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

To listen to this Regular Board Meeting:

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

Meeting ID: 891 6647 7502 #

Participant ID: #

Click the Zoom link below to watch and listen:

<https://us02web.zoom.us/j/89166477502>

	1.	Call to Order.
	2.	<del>Salute to the Flag.</del> (This item has been suspended until in-person meetings resume.)
	3.	Roll Call.
Motion	4.	Approve Minutes of the Union Sanitary District Board Meeting of September 12, 2022.
Information	5.	August 2022 Monthly Operations Report <i>(to be reviewed by the Budget &amp; Finance and Legal/Community Affairs Committees)</i> .
	6.	Written Communications.
	7.	Public Comment. Public Comment is limited to three minutes per individual, with a maximum of 30 minutes per subject. If the comment relates to an agenda item, the speaker should address the Board at the time the item is considered. Speaker cards will be available in the Boardroom and are requested to be completed prior to the start of the meeting.
Motion	8.	Consider a Resolution to Accept the Construction of the Fiscal Year 2021 Cast Iron/Pipe Lining Project from Southwest Pipeline & Trenchless Corp. <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .
Motion	9.	Review and Consider Approval of Unclassified Publicly Available Pay Schedule <i>(to be reviewed by the Personnel Committee)</i> .
Motion	10.	Consider Confirming and Declaring the Need to Continue the Emergency Action to Repair Two Sewer Lines in the City of Fremont Damaged by Fiber Optic Line Installation <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .
Information	11.	Status of Priority 1 Capital Improvement Program Projects <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .
Information	12.	Fourth Quarterly Report on the Capital Improvement Program for Fiscal Year 2022 <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .
Information	13.	Fourth Quarterly Report on the Enhanced Treatment and Site Upgrade Program for Fiscal Year 2022 <i>(to be reviewed by the Engineering and Information Technology Committee)</i> .
Information	14.	COVID-19 Update.
Information	15.	Check Register.
Information	16.	Committee Meeting Reports. <i>(No Board action is taken at Committee meetings):</i> <ol style="list-style-type: none"> <li>Budget &amp; Finance Committee – Wednesday, September 21, 2022, at 9:00 a.m. <ul style="list-style-type: none"> <li>Director Fernandez and Director Toy</li> </ul> </li> <li>Engineering and Information Technology Committee – Thursday, September 22, 2022, at 2:00 p.m. <ul style="list-style-type: none"> <li>Director Handley and Director Lathi</li> </ul> </li> <li>Personnel Committee – Friday, September 23, 2022, at 10:00 a.m.</li> </ol>

- Director Fernandez and Director Toy
- d. Legal/Community Affairs Committee – Friday, September 23, 2022, at 10:30 a.m.
  - Director Handley and Director Lathi
- e. Legislative Committee – will not meet.
- f. Investment & Portfolio Committee – will not meet.

Information

- 
17. General Manager’s Report. *(Information on recent issues of interest to the Board).*
- 
18. Other Business:
    - a. Comments and questions. *Directors can share information relating to District business and are welcome to request information from staff.*
    - b. Scheduling matters for future consideration.
- 
19. Adjournment – The Board will adjourn to the next Regular Board Meeting to be held virtually on Monday, October 10, 2022, at 4:00 p.m.
- 
20. Adjournment – The Board will adjourn to the Board Closed Session to be held virtually on Thursday, October 13, 2022, at 4:00 p.m.
- 

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



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

**Directors**

Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

**BUDGET & FINANCE COMMITTEE MEETING**  
Committee Members: Director Fernandez and Director Toy

**Officers**

Paul R. Eldredge  
*General Manager/  
District Engineer*

**AGENDA**  
**Wednesday, September 21, 2022**  
**9:00 A.M.**

Karen W. Murphy  
*Attorney*

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

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

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 26, 2022:

- August 2022 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.



**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*

### **ENGINEERING AND INFORMATION TECHNOLOGY COMMITTEE MEETING**

Committee Members: Director Handley and Director Lathi

#### **AGENDA**

**Thursday, September 22, 2022**

**2:00 P.M.**

**Alvarado Conference Room**

**5072 Benson Road**

**Union City, CA 94587**

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

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 26, 2022:

- Consider a Resolution to Accept the Construction of the FY21 Cast Iron/Pipe Lining Project from Southwest Pipeline & Trenchless Corp.
  - Consider Confirming and Declaring the Need to Continue the Emergency Action to Repair Two Sewer Lines in the City of Fremont Damaged by Fiber Optic Line Installation
  - Status of Priority 1 Capital Improvement Program Projects
  - Fourth Quarterly Report on the Capital Improvement Program for Fiscal Year 2022
  - Fourth Quarterly Report on the Enhanced Treatment and Site Upgrade Program for Fiscal Year 2022
- 

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.
---



**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*

**PERSONNEL COMMITTEE MEETING**

Committee Members: Director Fernandez and Director Toy

**AGENDA**

**Friday, September 23, 2022**

**10:00 A.M.**

**Alvarado Conference Room**

**5072 Benson Road**

**Union City, CA 94587**

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

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 26, 2022:

- Review and Consider Approval of Unclassified Publicly Available Pay Schedule

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

**Officers**

Paul R. Eldredge  
*General Manager/  
District Engineer*

Karen W. Murphy  
*Attorney*

**LEGAL/COMMUNITY AFFAIRS COMMITTEE MEETING**

Committee Members: Director Handley and Director Lathi

**AGENDA**

**Friday, September 23, 2022**

**10:30 A.M.**

**Alvarado Conference Room**

**5072 Benson Road**

**Union City, CA 94587**

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

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 26, 2022:

- August 2022 Monthly Operations Report – Odor and Workgroup Reports

5. Adjournment

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

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

**MINUTES OF THE MEETING OF THE  
BOARD OF DIRECTORS OF  
UNION SANITARY DISTRICT/UNION SANITARY DISTRICT FINANCING  
AUTHORITY  
September 12, 2022**

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

**CALL TO ORDER**

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

**SALUTE TO THE FLAG**

**ROLL CALL**

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

STAFF: Paul Eldredge, General Manager/District Engineer  
Karen Murphy, District Counsel  
Mark Carlson, Business Services Manager/CFO  
Armando Lopez, Treatment and Disposal Services Manager  
Jose Rodrigues, Collection Services Manager  
Raymond Chau, Technical Services Manager  
Curtis Bosick, Enhanced Treatment and Site Upgrade Assistant Program Manager  
Marcus Lee, Treatment & Disposal Services Coach  
Matt Lubina, Collection Services MTV Coach  
Chris Pachmayer, FMC Electrical & Technology Coach  
Gus Carrillo, Enhanced Treatment and Site Upgrade Assistant Engineer  
Jason Yeates, Organizational Performance Coordinator II  
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager  
Alisa Gordon, Human Resources Manager  
Trieu Nguyen, IT Administrator  
Sharon Anderson, Administrative Specialist

### **APPROVE MINUTES OF THE UNION SANITARY DISTRICT BOARD MEETING OF AUGUST 22, 2022**

It was moved by Secretary Toy, seconded by Vice President Fernandez, to Approve the Minutes of the Board Meeting of August 22, 2022, with edits. Motion carried with the following vote:

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

### **APPROVE MINUTES OF THE UNION SANITARY DISTRICT SPECIAL BOARD MEETING OF AUGUST 23, 2022**

It was moved by Vice President Fernandez, seconded by Director Handley, to Approve the Minutes of the Special Board Meeting of August 23, 2022. Motion carried with the following vote:

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

### **APPROVE MINUTES OF THE UNION SANITARY DISTRICT SPECIAL BOARD MEETING OF AUGUST 25, 2022**

It was moved by Director Handley, seconded by Secretary Toy, to Approve the Minutes of the Special Board Meeting of August 25, 2022. Motion carried with the following vote:

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

### **FOURTH QUARTER FISCAL YEAR 2022 DISTRICT-WIDE BALANCED SCORECARD MEASURES**

This item was reviewed by the Legal/Community Affairs Committee. Organizational Performance Coordinator Yeates provided an overview of the Balanced Scorecard included in the Board meeting packet and responded to Board member questions.

### **WRITTEN COMMUNICATIONS**

There were no written communications.

### **PUBLIC COMMENT**

There was no public comment.

**AUTHORIZE THE GENERAL MANAGER TO EXECUTE CERTAIN DOCUMENTS WITH ZOVICH CONSTRUCTION AND THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT FOR THE CLEAN AIR CHARGE! PROGRAM AND THE ENHANCED TREATMENT AND SITE UPGRADE PROGRAM PHASE 1A CAMPUS BUILDING PROJECT**

This item was reviewed by the Engineering and Information Technology Committee. The construction contract for the Campus Project to Zovich Construction was awarded on June 13, 2022, in the amount of \$76,375,000.00. The Project includes electrical vehicle charging stations as well as a small photovoltaic solar panel system over the main entrance to the Campus Building. In March 2022 staff applied to the BAAQMD Charge! Program for a grant for the charging stations. On July 28, 2022, BAAQMD proposed a grant of \$103,000. The amount of the grant is increased by a maximum of \$4,000 if the electric vehicle charging project includes a solar power generation component. BAAQMD requires that procurement and installation not commence until after the attached TFCA funding agreement is executed. Change Order No. 2 with Zovich construction removes the chargers and the building main entrance solar power generation facility from the Campus Building Project for a credit of \$250,000.00. Change Order No. 3 adds the Union Sanitary District's Electric Vehicle Charging Station Project scope into the contract conditioned upon execution of the agreement with BAAQMD. Staff recommended the Board authorize the General Manager to execute Contract Change Order No. 2 with Zovich Construction (Zovich) for a credit of \$250,000.00 and; authorize the General Manager to execute a Transportation Fund for Clean Air (TFCA) Funding Agreement with the Bay Area Air Quality Management District (BAAQMD) for the Union Sanitary District's Electric Vehicle Charging Station Project and; conditionally authorize the General Manager to execute Contract Change Order No. 3 with Zovich for \$250,000.00 to add the Union Sanitary District's Electric Vehicle Charging Station Project to the Enhanced Treatment and Site Upgrade Program Phase 1A Campus Building Project (Project) contingent upon the BAAQMD executing a TFCA funding agreement for the Union Sanitary District's Electric Vehicle Charging Station Project.

It was moved by Director Handley, seconded by Secretary Toy, to Authorize the General Manager to Execute Contract Change Order No. 2 with Zovich Construction (Zovich) for a Credit of \$250,000.00 for Removing the Electric Vehicle Charging Stations and Building Main Entrance PV System for the Enhanced Treatment and Site Upgrade Program Phase 1A Campus Building Project (Project). Motion carried with the following vote:

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

It was moved by Vice President Fernandez, seconded by Secretary Toy, to Authorize the General Manager to Execute a Transportation Fund for Clean Air (TFCA) Funding Agreement with the Bay Area Air Quality Management District (BAAQMD) For the Union Sanitary District's Electric Vehicle Charging Station Project. Motion carried with the following vote:

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

It was moved by Director Kite, seconded by Director Handley, to Conditionally Authorize the General Manager to Execute Contract Change Order No. 3 with Zovich for \$250,000.00 to Add the Union Sanitary District's Electric Vehicle Charging Station Project to the Enhanced Treatment and Site Upgrade Program Phase 1A Campus Building Project (Project) Contingent Upon the BAAQMD Executing a TFCA Funding Agreement for the Union Sanitary District's Electric Vehicle Charging Station Project. Motion carried with the following vote:

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

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

This item was reviewed by the Engineering and Information Technology Committee. Collection Services Manager Rodrigues stated that two gravity sewer mains in the City of Fremont have been damaged by a private third-party contractor installing 5G fiber optic lines. Staff has been working with the contractor and its insurance company to seek reimbursement to complete the repair. Although ongoing, discussions up to this point have not resulted in a resolution. Given the upcoming wet weather season and time required to complete the work, it is necessary for the District to proceed with the repair. The damaged sewer mains create enough risk to the District that staff is recommending an emergency be declared to expedite the necessary repairs. The District's Purchasing Policy and California Public Contract Code (PCC) Section 20806 allow for emergency contracting. Staff recommended the Board adopt a Resolution declaring an emergency and authorizing the emergency expenditure of funds for the repair of two sewer lines in the City of Fremont damaged by fiber optic line installation.

It was moved by Director Handley, seconded by Vice President Fernandez, to Adopt Resolution 2982 Declaring an Emergency and Authorizing the Emergency Expenditure of Funds for the Repair of Two Sewer Lines in the City of Fremont Damaged by Fiber Optic Line Installation. Motion carried with the following vote:

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

### **REVIEW AND CONSIDER APPROVAL OF POLICY 3030 BOARDMEMBER BUSINESS AND TRAVEL EXPENSE**

This item was reviewed by the Budget & Finance Committee. Business Services Manager/CFO Carlson stated that the proposed policy contained minor administrative updates and clarifications. Staff recommended the Board approve Policy 3030 Boardmember Business and Travel Expense.

It was moved by Director Kite, seconded by Vice President Fernandez, to Approve Policy 3030 Boardmember Business and Travel Expense. Motion carried with the following vote:

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

### **REVIEW AND CONSIDER APPROVAL OF POLICY 2755, PROCUREMENT POLICY**

This item was reviewed by the Budget & Finance Committee. Business Services Manager/CFO Carlson proposed an update to Procurement Policy 2755 granting purchasing authority to the Senior Accounting and Financial Analyst of up to \$10,000. Staff recommended the Board approve Procurement Policy 2755 granting purchasing authority to the Senior Accounting and Financial Analyst of up to \$10,000.

It was moved by Director Handley, seconded by President Lathi, to Approve the Update to Procurement Policy 2755 Granting Purchasing Authority of Up to \$10,000 to the Senior Accounting and Financial Analyst. Motion carried with the following vote:

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

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

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

of the COVID-19 Emergency Order. Staff recommended the Board adopt a resolution authorizing the use of teleconference meetings in compliance with AB 361.

It was moved by Vice President Fernandez, seconded by Director Kite, to Adopt Resolution No. 2983 Authorizing the Use of Teleconference Meetings in Compliance with AB 361. Motion carried with the following vote:

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

### **INFORMATION ITEMS:**

#### **Annual Report to Union City Fiscal Year 2022**

This item was reviewed by the Legislative Committee. Treatment and Disposal Services Manager Lopez stated Union City Use Permit UP-4-95 requires the District to annually submit a report to the City Manager. The purpose of the report is to provide an update on the District's operational statistics, and other District activities, per the Union City Conditional Use Permit.

#### **Check Register**

There were no questions regarding the check register.

#### **COMMITTEE MEETING REPORTS:**

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

#### **GENERAL MANAGER'S REPORT:**

- The ETSU time-lapse videos for the campus and aeration basin are on the District website under the ETSU tab.
- General Manager Eldredge will give a presentation to the Fremont Rotary Club on October 19, 2022, at 1:00PM.
- The District continues a busy period of recruitment and remains encouraged by the number of applications and qualified applicants responding to job postings.
- In response to the heat wave, Cal ISO and the Governor's Office requested water and wastewater agencies to move off the grid and use emergency generators from late afternoon until evening. With short notice, staff was able to confirm compliance and coordinate with a host of other entities to make this happen.

#### **OTHER BUSINESS:**

There was no other business.

#### **ADJOURNMENT:**

The meeting was adjourned at 4:39 p.m. to the next Regular Board Meeting to be held virtually on Monday, September 26, 2022, at 4:00 p.m.

SUBMITTED:

ATTEST:

\_\_\_\_\_  
SHARON ANDERSON  
ADMINISTRATIVE SPECIALIST

\_\_\_\_\_  
JENNIFER TOY  
SECRETARY

APPROVED:

\_\_\_\_\_  
ANJALI LATHI  
PRESIDENT

Adopted this 26<sup>th</sup> day of September 2022



# Union Sanitary District

## Monthly Operations Report August 2022



# Table of Contents

## 2022 MONTHLY OPERATIONS REPORT

The August 2022 Monthly Operations Report highlights the District's performance in the following areas:

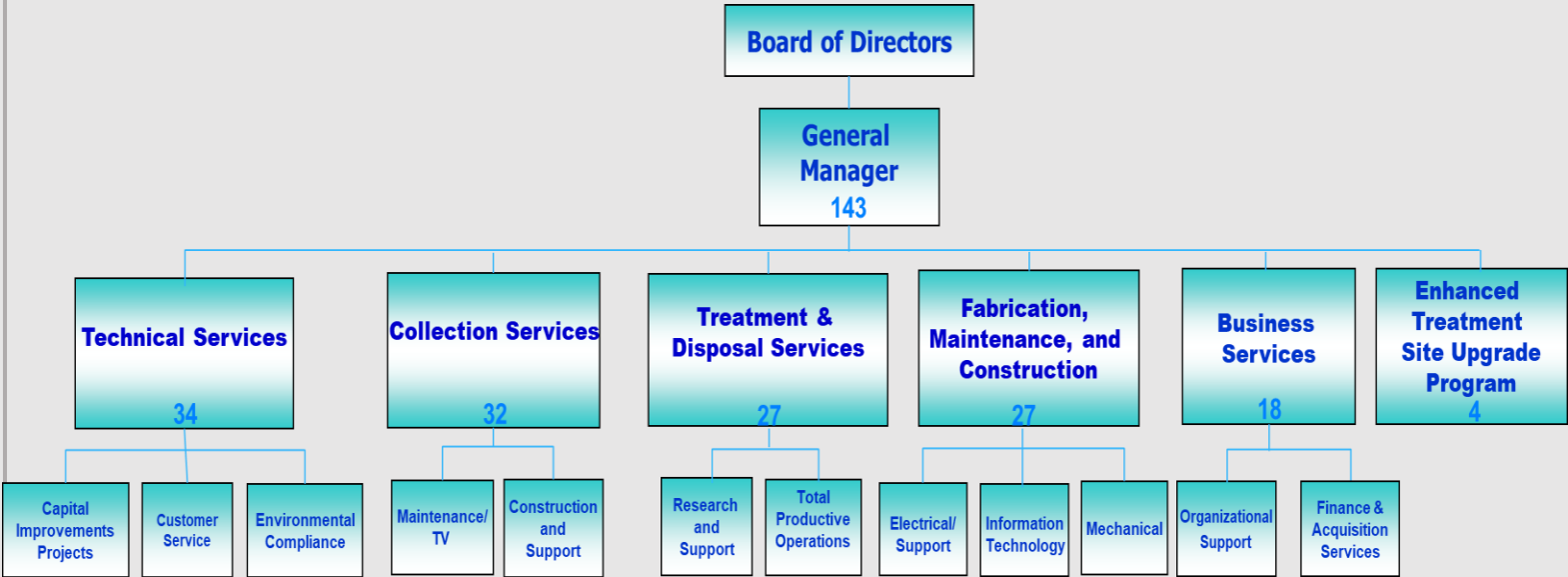
- **Organizational Overview**
- **Financial Reports**
  - Budget and Finance Report
  - Investment Portfolio
  - Portfolio Holdings by Asset Class and by Maturity Range
- **Customer Relations**
  - Odor Investigations and Response
  - Service Request and Response
  - Communication and Outreach
- **Plant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



# Organizational Overview

## 2022 MONTHLY OPERATIONS REPORT

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



### Executive Team

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



# Financial Report

## 2022 MONTHLY OPERATIONS REPORT

### Total Revenues and Expenditures

FY 2023

Year-to-date as of 8/31/22

16.7% of year elapsed

#### Revenues

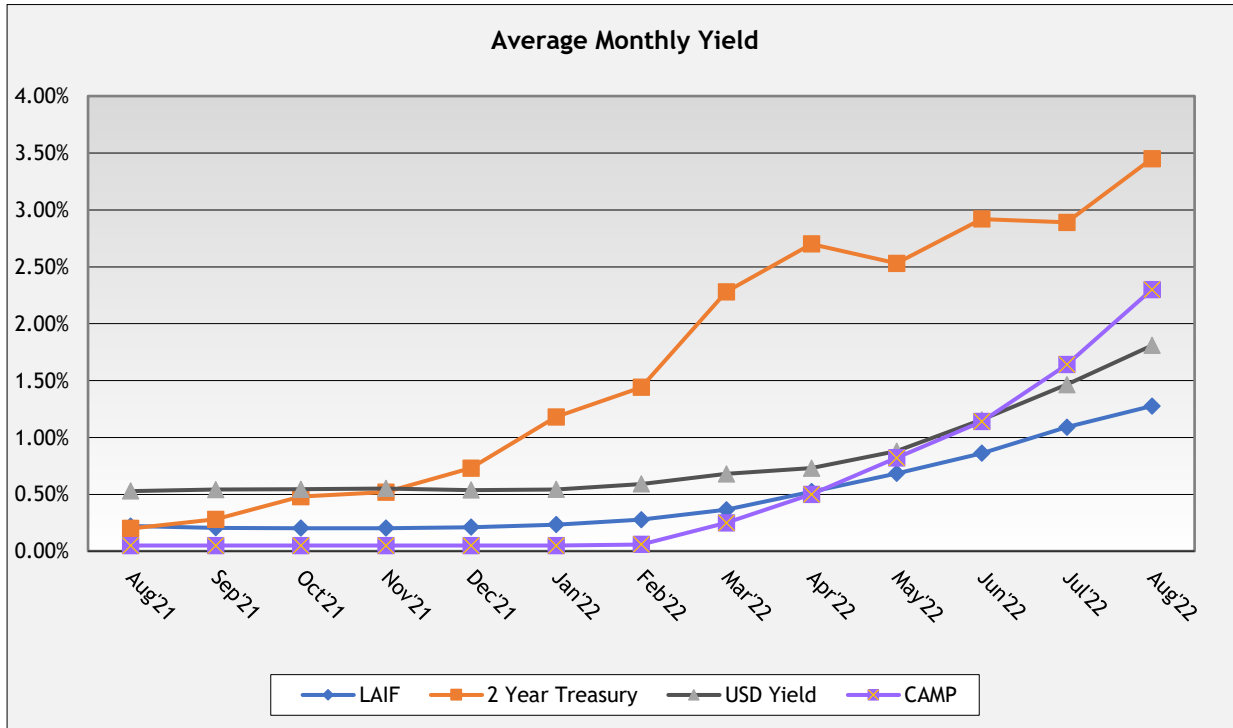
	Budget	Actual	% of Budget Rec'd	Unaudited Last Year Actuals 6/30/22
Capacity Fees	\$ 7,467,000	\$ 1,538,884	21%	\$ 11,145,152
Sewer Service Charges	76,965,000	-	0%	70,114,046
Operating (Includes work groups and fund 85)	1,234,500	125,082	10%	1,176,817
Interest	1,385,000	516,828	37%	1,110,617
Misc. (Annex fees, forfeited deposits, Heliovaas)	-	4,524	0%	1,597,278
Subtotal Revenues	<u>\$ 87,051,500</u>	<u>\$ 2,185,317</u>	<u>3%</u>	<u>\$ 85,143,911</u>
Bond Proceeds	-	-	0.0%	110,626,705
<b>Total Revenues + Bond Proceeds</b>	<b>\$ 87,051,500</b>	<b>\$ 2,185,317</b>	<b>3%</b>	<b>\$ 195,770,615</b>

#### Expenses

	Budget	Actual	% of Budget Used	Unaudited Last Year Actuals 6/30/22
Capital Improvement Program:				
Capacity Proj.	\$ 15,624,000	\$ 354,506	2%	\$ 10,044,400
Renewal & Repl. Proj.	53,206,200	1,372,852	3%	12,017,217
Operating (includes fund 85)	50,509,850	7,799,896	15%	43,110,942
Special Projects	3,238,000	84,086	3%	710,841
Retiree Medical (ADC)	1,400,000	900,000	64%	1,430,142
115 Pension Trust	3,000,000	-	0%	3,000,000
Vehicle & Equipment	171,000	-	0%	-
Information Systems	1,207,500	37,657	3%	311,868
Plant & Pump Stat. R&R	400,000	-	0%	224,697
Emerg. Fund	-	-	0%	-
Cty Fee for SSC Admin.	113,000	-	0%	111,726
Debt Servicing:				
SRF Loans	-	-	0%	7,712
Bonds	9,017,480	-	0%	7,120,147
WIFIA	-	-	0%	362,228
<b>Total Expenses</b>	<u><b>\$ 137,887,030</b></u>	<u><b>\$ 10,548,998</b></u>	<u><b>8%</b></u>	<u><b>\$ 78,451,919</b></u>
<b>Total Revenue &amp; Proceeds less Expenses</b>	<b>\$ (50,835,530)</b>	<b>\$ (8,363,680)</b>		<b>117,318,696</b>

# Investment Portfolio

## Performance Measures for the USD Investment Portfolio



	Apr'22	May'22	Jun'22	Jul'22	Aug'22
<b>LAIF</b>	<b>0.52%</b>	<b>0.68%</b>	<b>0.86%</b>	<b>1.09%</b>	<b>1.28%</b>
<b>2 Year Treasury</b>	<b>2.70%</b>	<b>2.53%</b>	<b>2.92%</b>	<b>2.89%</b>	<b>3.45%</b>
<b>USD Yield</b>	<b>0.73%</b>	<b>0.88%</b>	<b>1.16%</b>	<b>1.47%</b>	<b>1.81%</b>
<b>CAMP</b>	<b>0.50%</b>	<b>0.82%</b>	<b>1.14%</b>	<b>1.64%</b>	<b>2.30%</b>

LAIF: Local Agency Investment Fund Yield

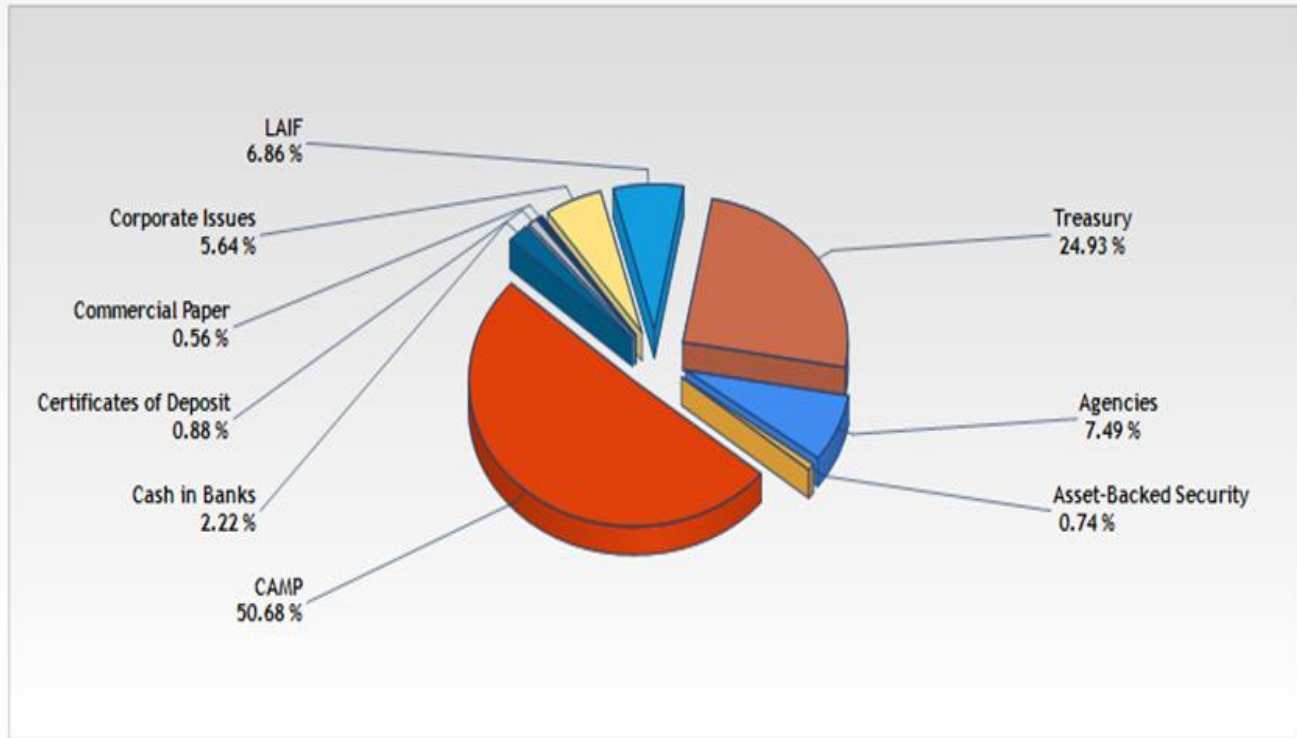
2 Year Treasury: Yield for investing in 2-Year U.S. Treasury security

USD Yield: Summarizes USD portfolio's yield

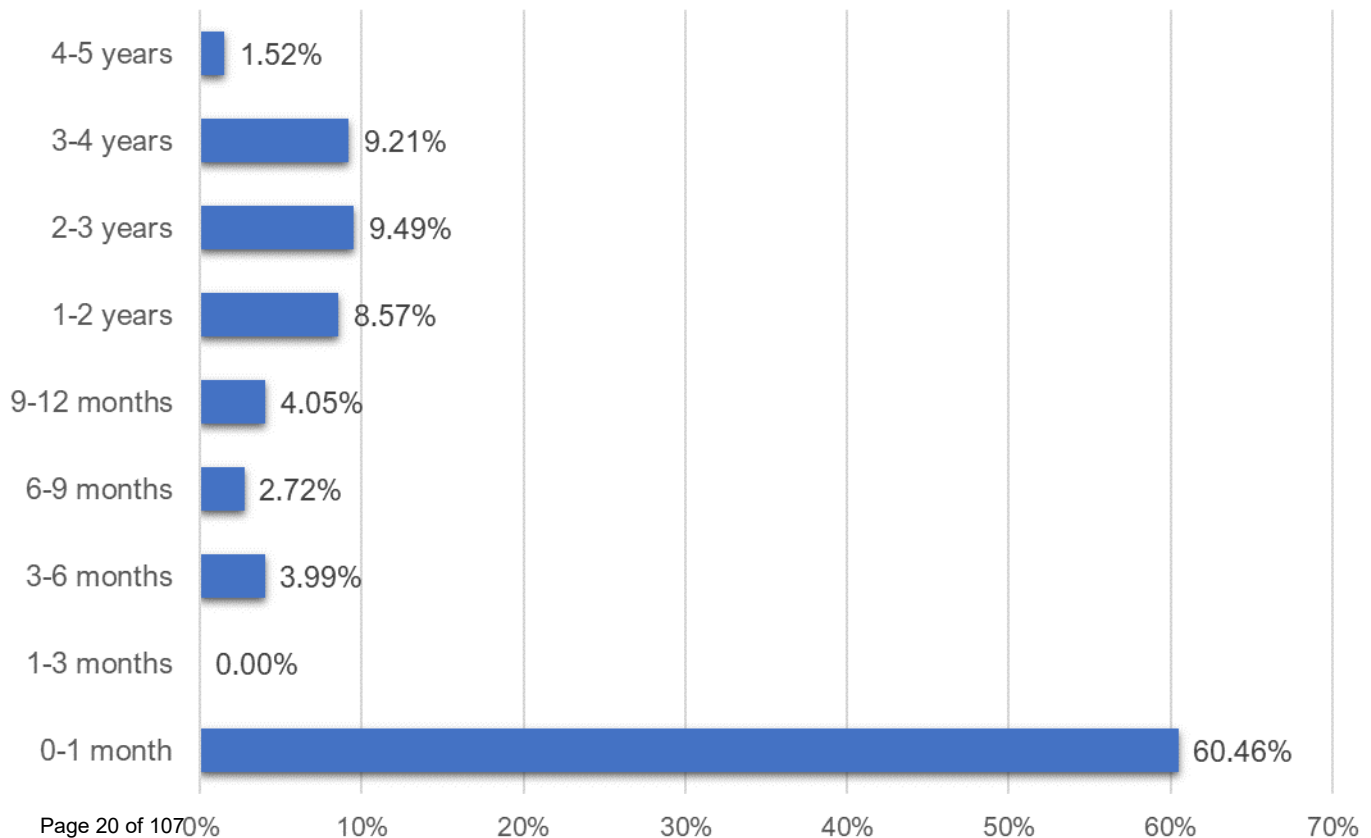
CAMP: California Asset Management Program Yield

## Portfolio Holdings by Asset Class and by Maturity Range

### Portfolio Holdings Distribution by Asset Class



### Portfolio Holdings Distribution by Maturity Range



## Union Sanitary District Odor Map and Report

During the recording period between August 1, 2022, through August 31, 2022, there were 3 odor related service request(s) received by the District.

City	Union City		
District Related:	No	Date/Time:	8/12/2022 7:35PM
Location:	Mackinaw Street	Reported by:	Sam Dua
Weather/Temp:	Clear / 64.5°F	Wind:	West / 18.9 mph

**Response and Follow-up:** Customer indicated there was a very bad odor and asked that we make sure we don't have any odor issues at the treatment plant. USD staff was dispatched to the location and an odor was not detected. USD staff informed customer that all the plant equipment would be checked. An on-site investigation was also conducted at the treatment plant and no odor was detected at the treatment plant. The odor control system was working properly. At the time of the initial odor report, the tide level was low. No odor was found.

City	Union City		
District Related:	No	Date/Time:	8/16/2022 11:30PM
Location:	Mackinaw Street	Reported by:	Sam Dua
Weather/Temp:	Humid / 69°F	Wind:	West / 8 mph

**Response and Follow-up:** Customer reported that it "smells bad, like a sewage plant". USD staff was dispatched to the location and an odor was not detected. USD staff informed customer that an on-site investigation will be conducted.

There was slight secondary clarifier odor in the treatment plant, but not detected in the neighborhood. The tidal smells were the foul odors notable in the neighborhood.

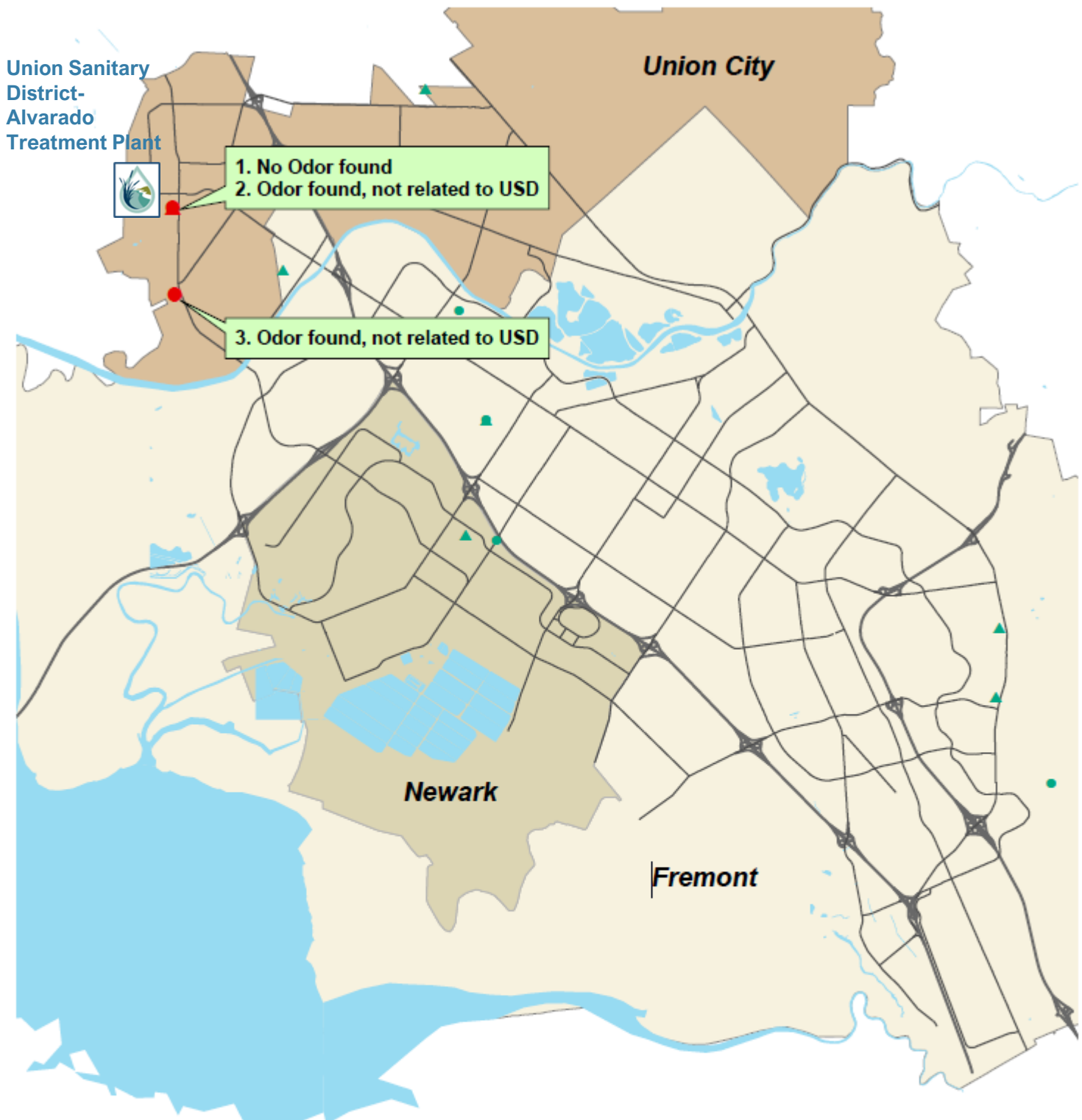
The odor control system was working properly. At the time of the initial odor report, the tide level was low. Odor was found, not related to USD.

City	Union City		
District Related:	No	Date/Time:	8/18/2022 2:58PM
Location:	Westport Way	Reported by:	Rajinder Singh
Weather/Temp:	Warm / 75°F	Wind:	North West / 18 mph

**Response and Follow-up:** A homeowner reported an odor coming from a construction site near their residence. The homeowner was concerned that that odor may be sewer related. USD staff responded to the area and conducted an inspection of the sewer structures in the area. No odors or standing water were found from the sewer system. The sewer system was flowing normally.

USD staff noted that there is a construction project across the street on land that used to be a landfill/dump site "Turk Island Dumps". The property is currently being graded. It was determined that the odor was related to the construction site, not related to USD system. USD staff contacted the builder/contractor notifying them of the odor complaint.

# Union Sanitary District Odor Map and Report





### Customer Service Response

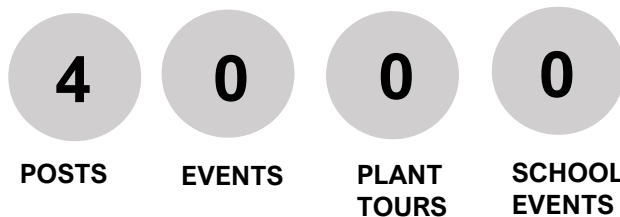
#### Front Desk Trouble Calls

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-22	14	1	2	17
Jul-22	5	1	3	9
Jun-22	9	3	1	13
May-22	10	1	1	12
Apr-22	11	0	0	11
Mar-22	10	1	1	12
6 Month Total				74
Aug-21	9	1	1	11

#### Communication and Outreach

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



##### Social Media Posts:

- Congressman Swalwell's visit 8/4
- Engineer recruitments 8/16
- Only the Three P's in your toilet 8/23
- Notice Inviting Bids for Cherry Street PS Improvements 8/30

##### Events:

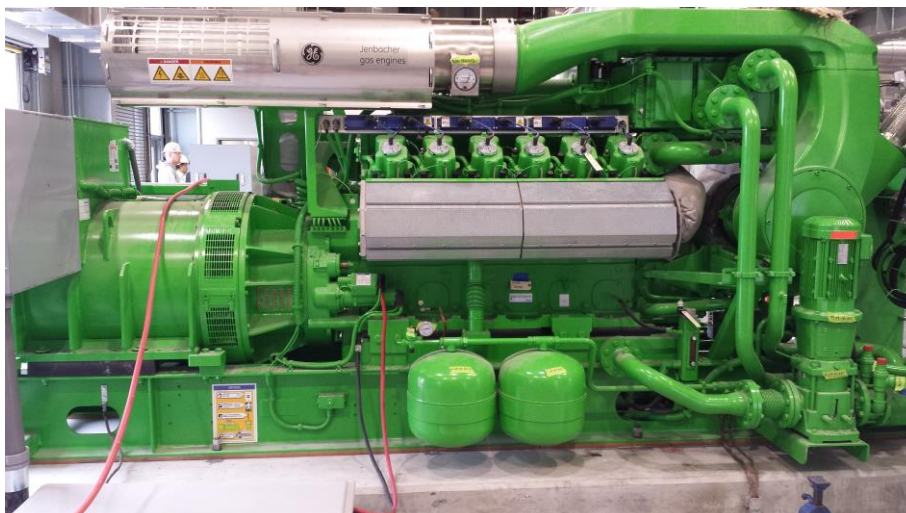
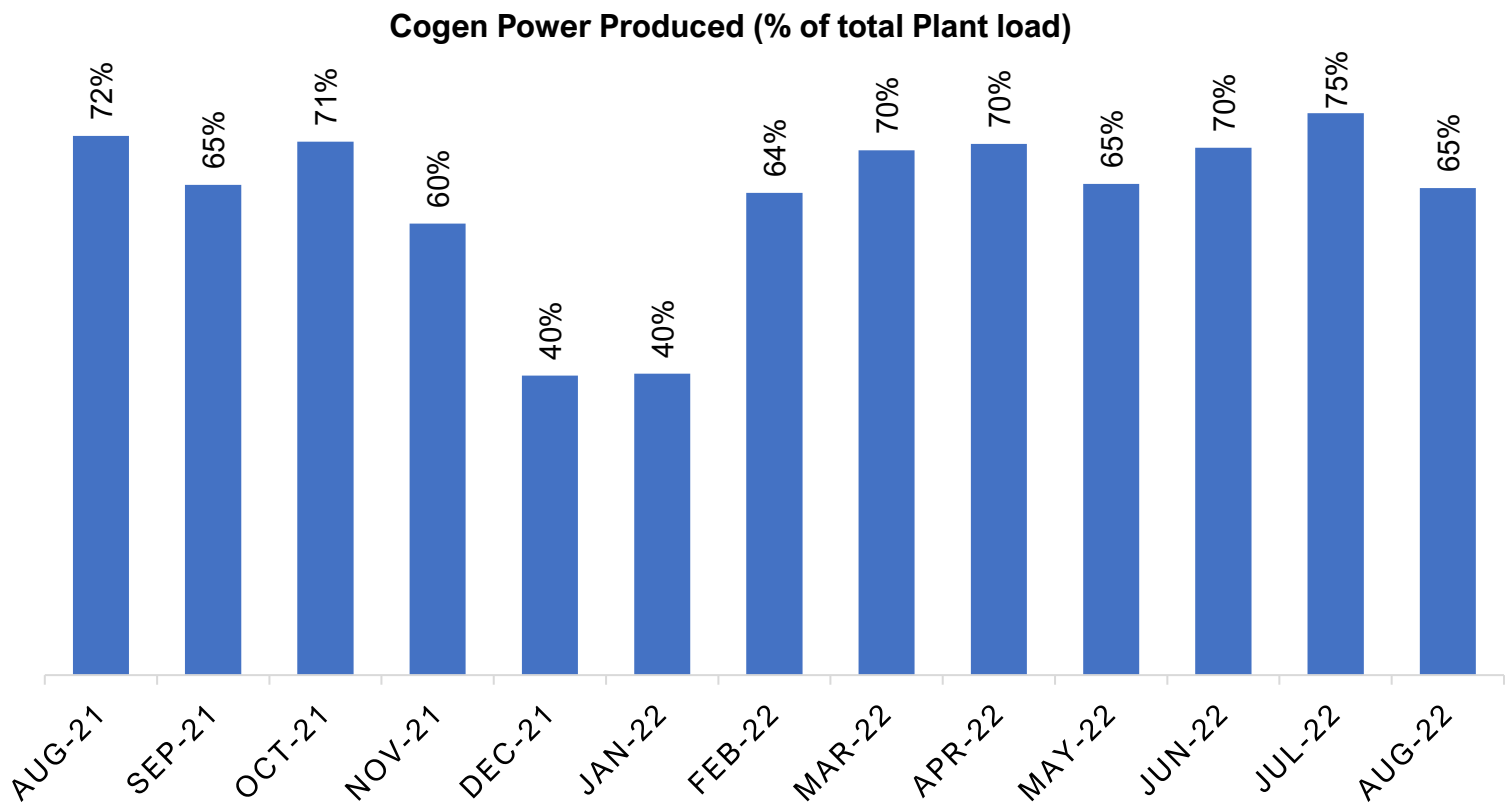
- None

##### Other Activities:

- Updated Permits and Fees info on website
- Passed out grease scrapers/door hangers to 112 residents

### 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 to generate power for the District's treatment plant and lower energy costs.





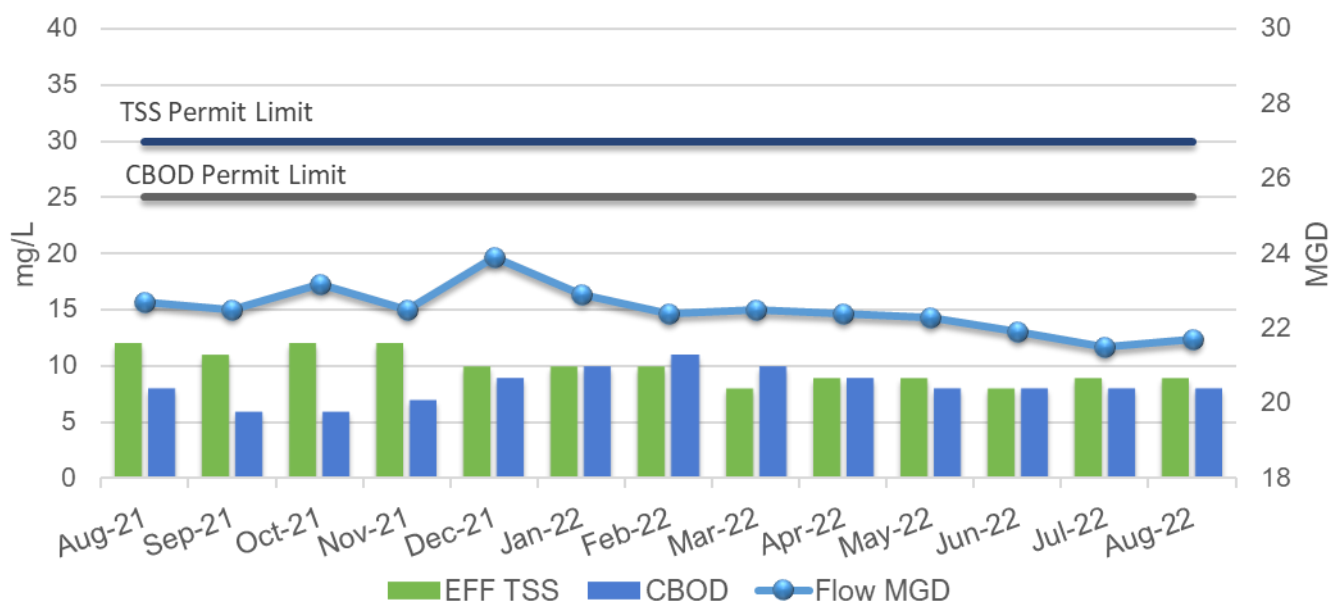
# Plant Operations

## 2022 MONTHLY OPERATIONS REPORT

### Lab Monitoring Results

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

Lab Results and Effluent Flow



**EFF SS:** Effluent Suspended Solids

**CBOD:** Carbonaceous Biochemical Oxygen Demand

**MGD:** Million Gallons per Day

USD's Final Effluent Monthly Monitoring Results

Parameter	Permit Limit	Jun-22	Jul-22	Aug-22
Copper, µg/l	78	6.4	3.2	4.9
Mercury, µg/l	0.066	N/A	N/A	0.003
Cyanide, µg/l	42	E 2.5	E 1.3	ND 0.9
Ammonia- N, mg/L (Range)	130	41 - 44.5	43 - 50.6	43.0 - 49.4
Fecal Coliform, MPN/100ml (Range)				
• 5-Day Geometric Mean	500	17 - 21	16 - 24	31 - 38
• 11-Sample 90th Percentile	1100	71 - 138	71 - 71	62 - 71
Enterococci				
• Monthly Geometric Mean	240	12.2	10	12.5

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



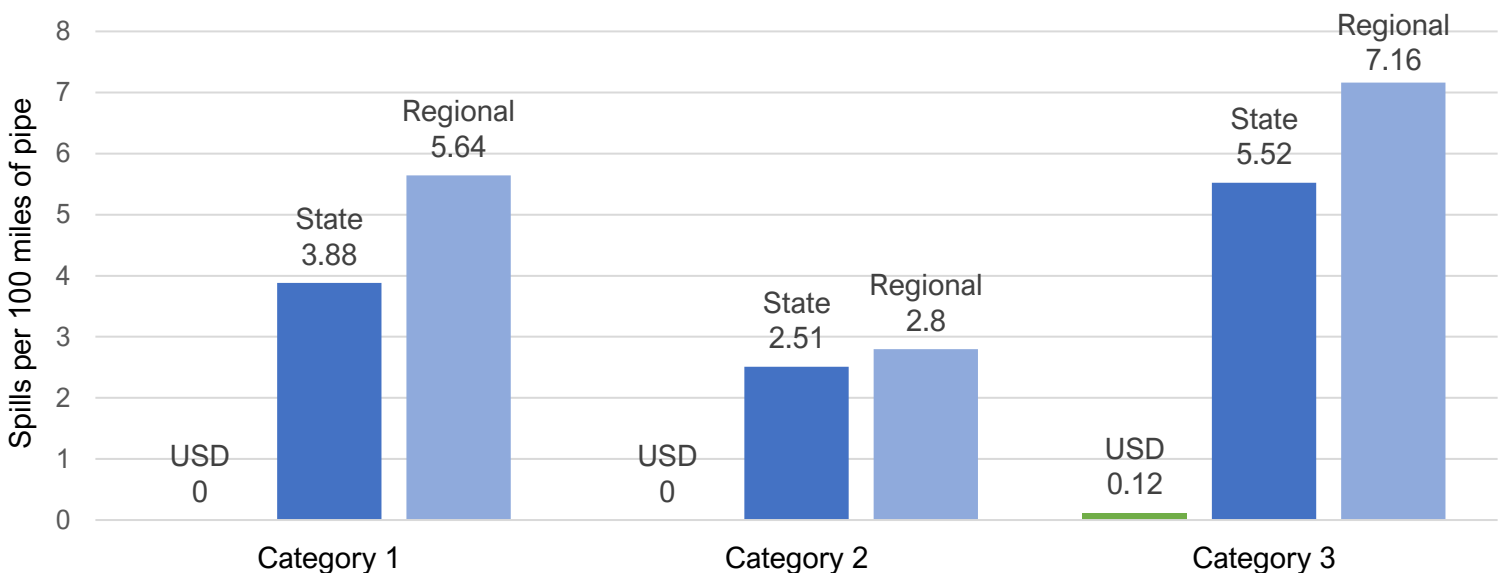
# Maintenance Report

## 2022 MONTHLY OPERATIONS REPORT

### Collection System Maintenance Work Completed

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

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



### Definition of Spill Categories

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

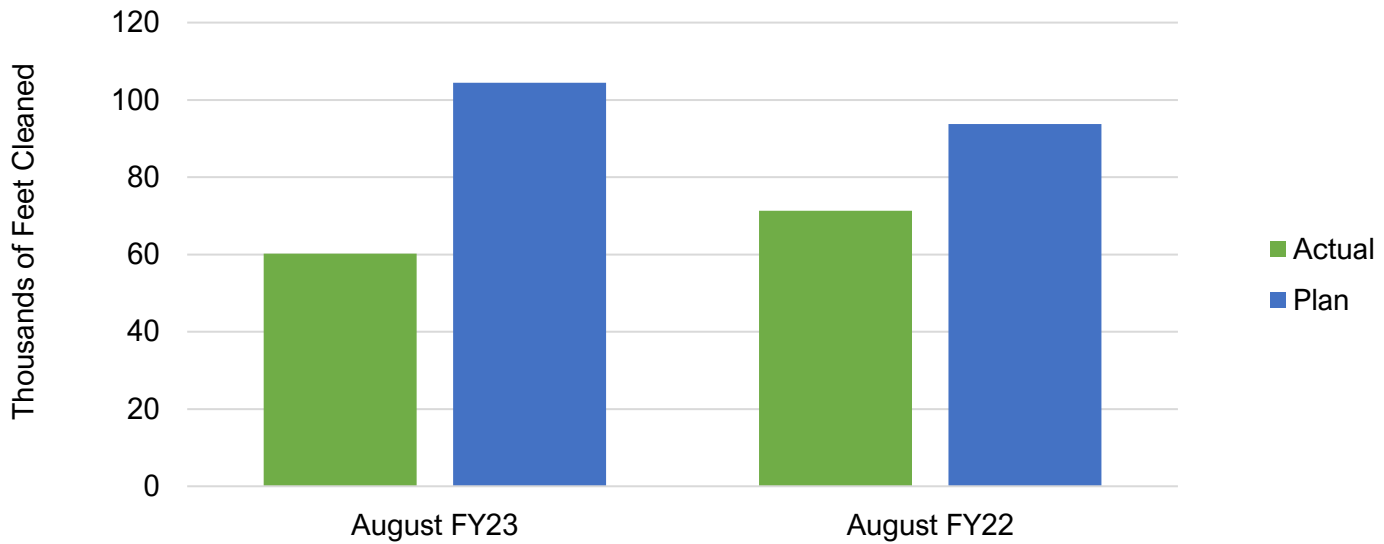
	This Month	Fiscal Year to Date	Historical Monthly Average
Sewer Line Repairs- # of Open Trench	0	0	2
Sewer Line Repairs- # of Trenchless	15	28	14
Work Orders Completed on Vehicles and Buildings	172	381	171



# Maintenance Report

## 2022 MONTHLY OPERATIONS REPORT

### Sewer Line Cleaning



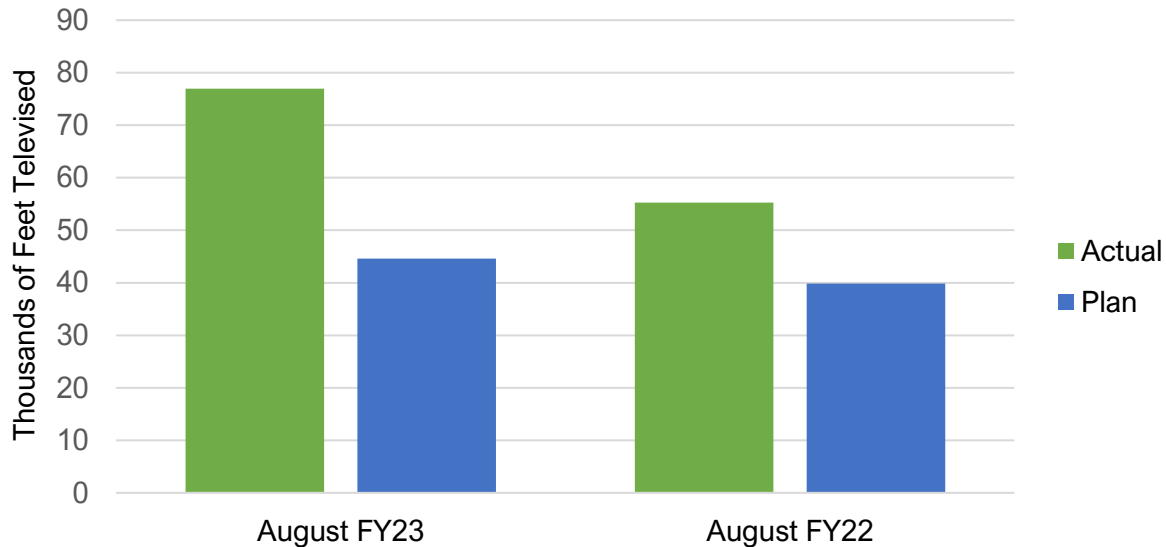
Cleaning Cost per Foot=\$1.08							
Description	FY22 Qtr 4 Footage	July-22 Footage	Aug-22 Footage	FY23 YTD Footage	Historical FY22 Footage	FY23 YE Goal	% Completed to Plan
84 Month Hydro-Jet Clean	203,897	43,285	57,471	100,756	654,851	579,314	17.4%
Selective Line Cleaning	40,608	12,798	-	12,798	196,114	221,641	5.8%
Special Condition Clean (not in total)	8,754	-	639	639	32,029	28,940	2.2%
Root Control/Chemical Clean	57,220	-	2,759	2,759	320,841	410,502	0.7%
Cast Iron Cleaning	-	-	-	-	-	6,293	-
<b>Totals</b>	<b>301,815</b>	<b>56,083</b>	<b>60,230</b>	<b>116,313</b>	<b>1,171,806</b>	<b>1,217,750</b>	<b>9.6%</b>



# Maintenance Report

## 2022 MONTHLY OPERATIONS REPORT

### Sewer Line Inspection and Televising



Televising Cost per Footage=\$1.44							
Description	FY22 Qtr 4 Footage	July-22 Footage	Aug-22 Footage	FY23 Footage/ Count	Historical FY22 Footage/ Count	FY23 Goal	% Completed to Plan
84 Month TV Inspection	137,864	24,300	61,583	85,883	481,639	477,964	18.0%
84 Month Manhole Inspection Count	374	243	147	390	1,163	2,468	15.8%
Visual/Condition, Pre/Post Cnst TV (not in total)	1,117	-	-	-	1,793	11,704	0.0%
Visual Manhole Inspection Count (not in total)	80	22	42	64	329	-	-
New Development, CIP, Misc (not in total)	9,563	311	235	546	33,140	34,056	1.6%
QA/QC Line Condition	-	-	-	-	19,201	16,074	0.0%
QA/QC Root Control	-	-	15,367	15,367	22,270	41,108	37.4%
<b>Totals</b>	<b>137,864</b>	<b>24,300</b>	<b>76,950</b>	<b>101,250</b>	<b>523,110</b>	<b>535,146</b>	<b>18.9%</b>

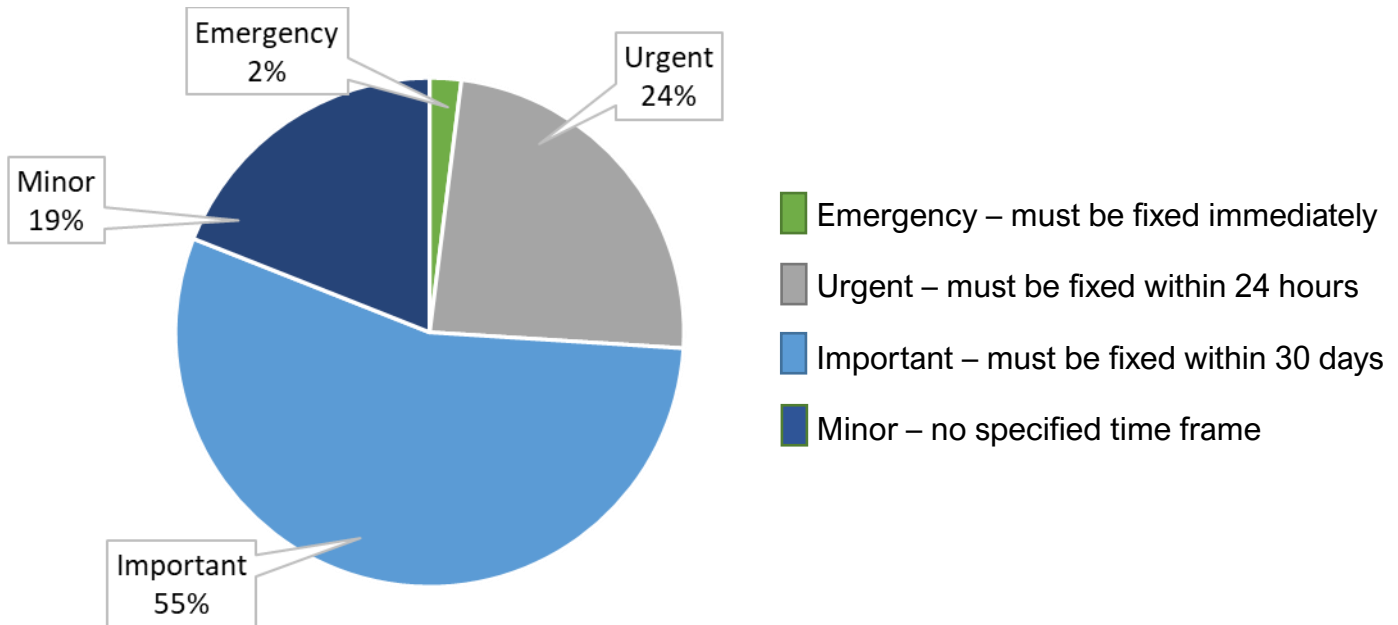


# Maintenance Report

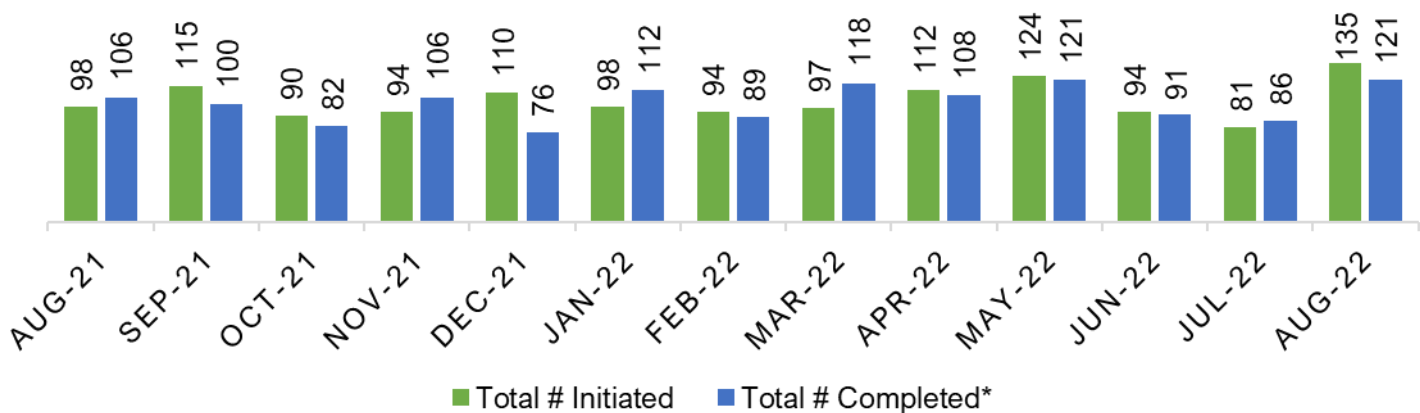
## 2022 MONTHLY OPERATIONS REPORT

### Plant and Pump Stations Maintenance Work Completed

Equipment at our Plant and Pump/Lift stations is maintained by mechanics and other staff through completion of work orders. Staff completed **97.53%** of preventative maintenance activities for the month in addition to the following shown below.



### Work Orders Initiated and Completed



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



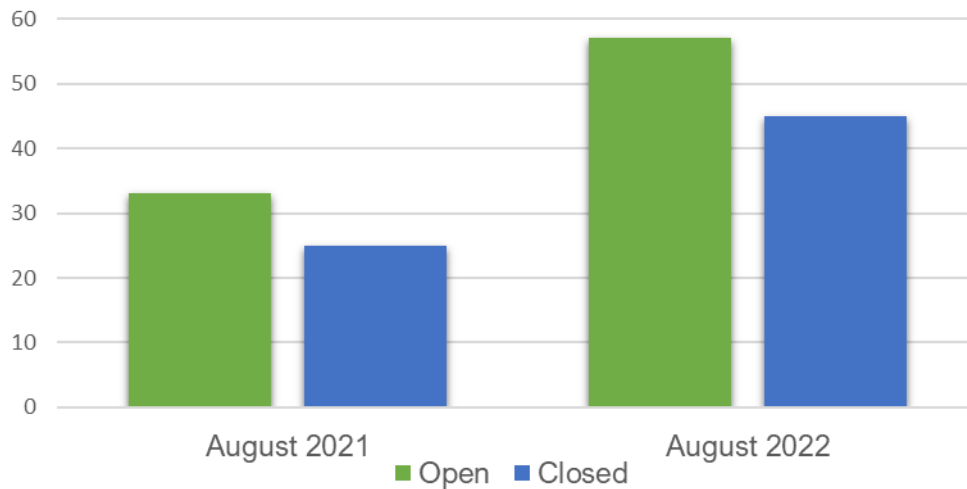
# Maintenance Report

## 2022 MONTHLY OPERATIONS REPORT

### Information Technology

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

#### IT Help Desk Tickets



#### Managed and Hosted IT Asset Uptime

Asset Name	USD Managed or Hosted by Third Party	% Up time
USD Website	Hosted	99.94%
Email Server	Hosted	99.93%
Newark Pump Station	USD Managed	100%
Boyce Pump Station	USD Managed	100%
Irvington Pump Station	USD Managed	100%
SCADA	USD Managed	100%
Total Average of All USD Servers	USD Managed	99.83%

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



# Capital Improvement Projects

## 2022 MONTHLY OPERATIONS REPORT

### Capital Improvement Project (CIP) Activities

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

#### Current CIP Projects – Budget and % complete

Current (FY23) CIP Projects	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Aeration Blower No. 11 Project	\$1,652	\$1,601	12/21	98%
2 – Alvarado Influent Pump Station Improvements Project	\$9,028	\$8,260	11/21	96%
3 – Force Main Corrosion Repairs Project – Phase 3	\$1,064	\$191	10/22	20%
4 – FY21 Cast Iron/Pipe Lining Project	\$307	\$220	5/21	100%
5 – Irvington Basin Reinforced Concrete Pipe Rehabilitation Project	\$5,291	\$1,446	12/22	25%
6 – Primary Digester No. 7 Project	\$23,783	\$22,901	5/22	99%
7 – Standby Power Generation System Upgrade Project	\$21,135	\$1,281	4/24	6%



**Digester #7 Project**

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



# Capital Improvement Projects

## 2022 MONTHLY OPERATIONS REPORT

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

Current (FY23) Design Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Cherry Street Pump Station Improvements Project	\$72	\$71	6/21	100%
2 – Plant Miscellaneous Improvements Project	\$199	\$185	9/22	90%
3 – Pump Stations Chemical System Improvements Project	\$738	\$634	10/21	95%
4 – Sodium Hypochlorite Loop Improvements Project	\$280	\$240	9/22	90%
5 – Switchboard No. 3 and MCC No. 25 Replacement Project	\$95	\$68	7/22	70%
6 – WAS Thickener Replacement Project	\$807	\$801	6/21	100%

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

Current (FY23) Study Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Cogeneration Replacement and Ventilation Study	\$142	\$118	7/22	83%
2 – Energy Resiliency Study	\$256	\$96	12/22	35%
3 – Force Main Condition Assessment	\$121	\$32	10/22	60%
4 – Headworks Degritting Study	\$200	\$106	10/22	50%
5 – Odor Control Alternatives Study	\$504	\$476	12/20	99%
6 – Primary Digester No. 8 Feasibility Study	\$111	\$55	9/22	45%
7 – Pump Stations Condition Assessment Study	\$250	\$152	8/22	61%
8 – Sea Level Rise Study	\$162	\$75	11/22	50%
9 – Thermal Dryer Feasibility Study	\$128	\$94	7/22	74%
10 – 2022 Local Limits Study	\$44	\$0	12/22	20%



# Permitting and Inspections

## 2022 MONTHLY OPERATIONS REPORT

### Sewer Permits Issued

Permits issued upon approved completed plans.

Month	Repairs	Mains	New Laterals*	ADUs	Restaurants	Other**	Total
Aug-22	19	2	37	10	1	7	76
July-22	16	1	29	8	1	0	55
Jun-22	16	0	22	5	0	6	49

\*New Laterals- New residential lateral connections

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

### Storm Water Inspections (City of Fremont)

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

Total Inspections		Total Monthly Enforcements						
Current Month	Fiscal Year to Date	Verbal Warning	Warning Letter	Notice of Violation	Admin Fine	Legal Action	Notice of Deficiency	Total
100	196	1	0	4	12	0	0	17

### Pollution Prevention Inspections

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

Total Inspections		Total Monthly Enforcements <sup>3</sup>						
Current Month	Fiscal Year to Date	Verbal Warning	Warning Letter	Notice of Violation	Admin Fine	Legal Action	Notice of Deficiency	Total
52	95	9	9	0	0	0	0	18

### Permitted Industrial Businesses

City	Industrial Permits
Fremont	59
Newark	13
Union City	12

Examples of Permitted Industrial Businesses:

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



# Staffing and Personnel

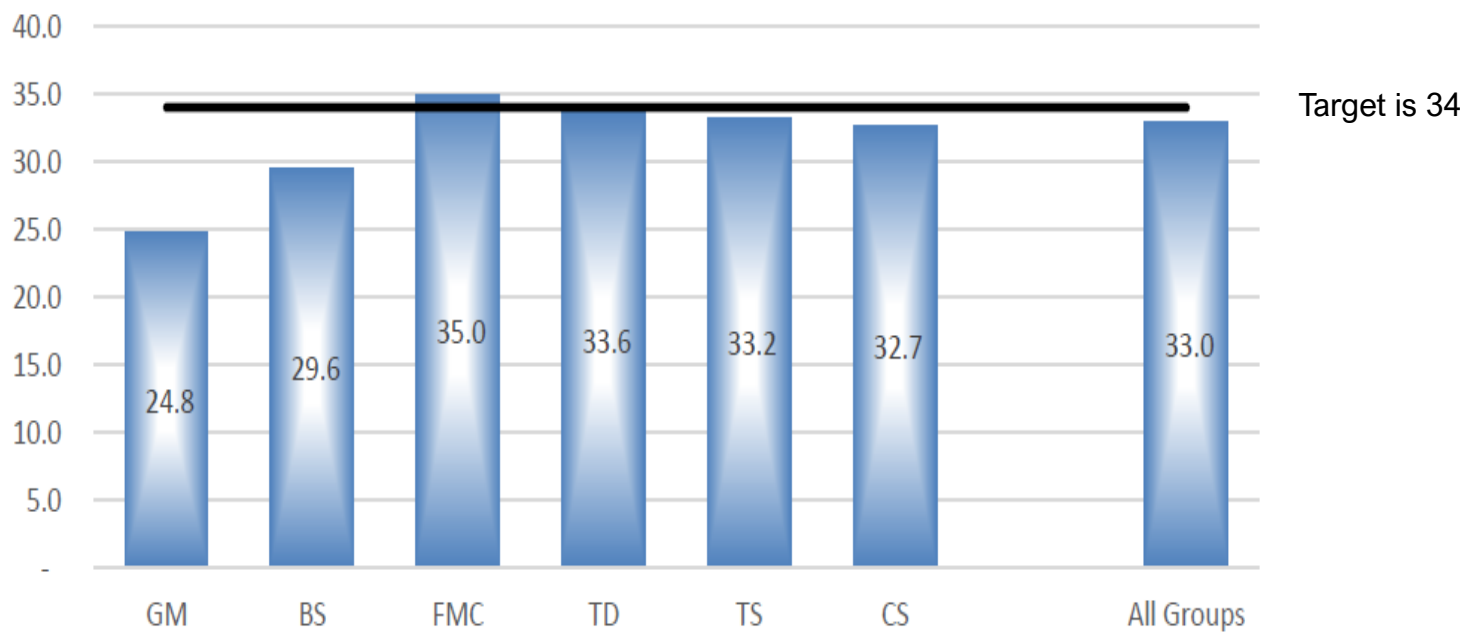
## 2022 MONTHLY OPERATIONS REPORT

### Hours Worked and Leave Time by Work Group

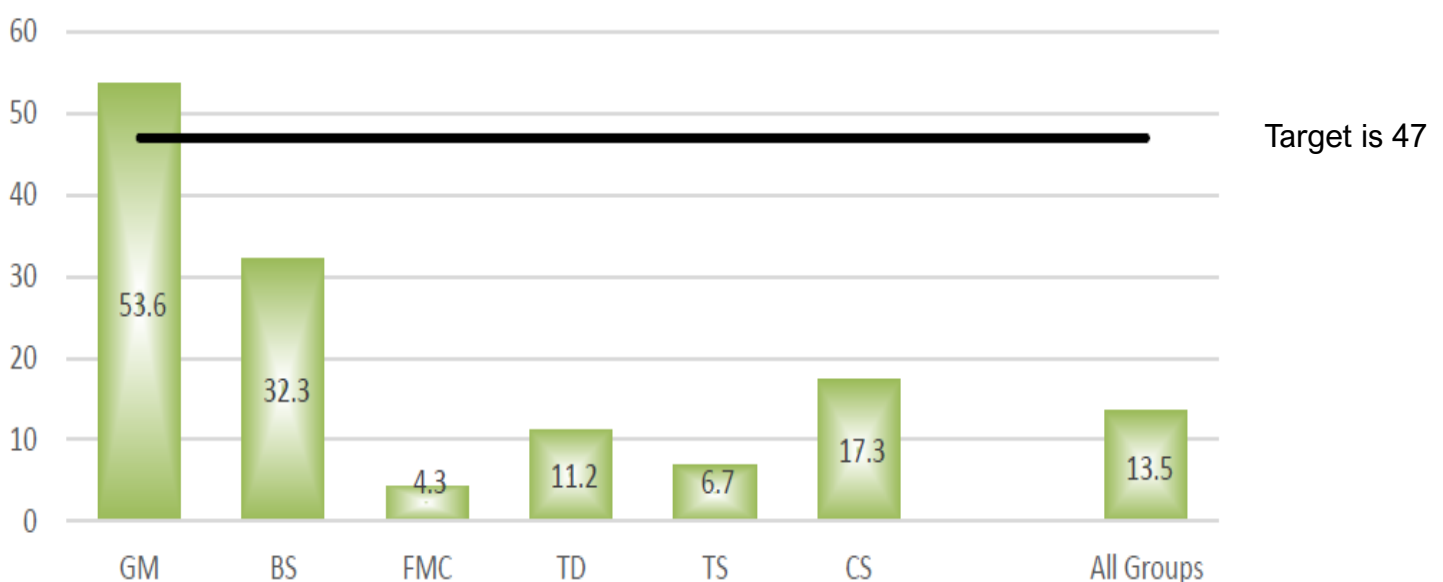
June 23, 2022 through August 31, 2022

Weeks to Date 10 out of 52 (19.2%)

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



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



## Recruitments

Position	Position Posted	Status
Human Resources Manager	4/20/2022	Alisa Gordon, DOH 8/1/2022
Mechanic I/II	6/1/2022	Contingent offer made. Final candidate in background process
Administrative Specialist I - CIP	6/16/2022	Rebecca Ingalls – DOH 8/29/2022
Plant Operator III Trainee – Limited Duration (2)	6/23/2022	Contingent offers made. Both candidates in background process.
Coach, Customer Service	7/6/2022	Recruitment in process - continuing.
Collection Services Trainer	7/8/2022	Frank Couto, Promotion 8/13/2022
Enhanced Treatment & Site Upgrade Assistant Manager	7/8/2022	Gus Carrillo – Promotion 9/12/2022.
Accounting and Financial Analyst I/II	7/26/2022	Recruitment in process.
Junior/Assistant/Associate Engineer – CIP (2)	8/8/2022	Recruitment in process.
Collection System Worker	8/25/2022	Recruitment in process. Useable list.



**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 26, 2022  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM # 8**

**TITLE:** Consider a Resolution to Accept the Construction of the FY21 Cast Iron/Pipe Lining Project from Southwest Pipeline & Trenchless Corp. *(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  
Andrew Baile, Assistant Engineer

**Recommendation**

Staff recommends the Board consider a resolution to accept the construction of the FY21 Cast Iron/Pipe Lining Project (Project) from Southwest Pipeline & Trenchless Corp. (Southwest) and authorize recordation of a Notice of Completion.

**Discussion**

On November 9, 2020, the Board awarded the construction contract for the Project to Southwest in the amount of \$307,015. Staff issued the Notice to Proceed to Southwest on December 16, 2020. The 90-day project was scheduled to be completed on March 15, 2021. The Project experienced delays due to Southwest performing additional work, which included the rehabilitation of an additional sewer main and addressing unforeseen groundwater infiltration. Southwest substantially completed the Project on August 6, 2021.

A description of the scope for the Project is included in the Background section of this report. Figure 1 includes a site plan showing the locations of the sewer mains that were rehabilitated. Figures 2 through 5 include before and after photos for two locations that cured-in-place pipe (CIPP) liners were installed.

### Contract Change Orders

The Project included 2 contract change orders (CCOs) in the amount of \$29,600, which is approximately 9.6% of the original contract amount of \$307,015. A list of the CCOs has been included in the attached Table 1. A summary of the notable CCOs is provided below:

1. CCO No. 1 was in the amount of \$24,400 to install 516 linear feet of 8-inch diameter CIPP liner into a sewer main that runs within a backyard easement between Joshua Place and Ocotillo Court in Fremont. The additional CIPP lining location was requested by Collection Services due several cracks along the pipe and severe root intrusion at majority of the joints. This change order included non-compensable time extension as it was requested towards the end of the original contract period.
2. CCO No. 2 was in the amount of \$5,200. This CCO included extra work to stop ground water infiltration that was discovered after the CIPP liner was installed. The work comprised of injection grouting at the lateral opening and at the downstream manhole to stop the ground water infiltration. It also included installation of a CIPP lateral liner after the injection grouting was in place.

The issues described in CCO No. 2 resulted in the Project acceptance being delayed due to the availability of the injection grouting contractor. The work associated with CCO No. 2 was completed on September 1, 2022.

### **Background**

The District's routine television inspection of the collection system identifies pipelines with maintenance problems and structural defects. Many of these sewers were observed to have cast iron pipe segments which are susceptible to corrosion build-up called tuberculation due to presence of hydrogen sulfide gas inside the sewers. Sewer mains with cast iron pipe segments are placed on a more frequent maintenance program, since the corrosion must be closely monitored and cleaned before it becomes problematic. Severe tuberculation can reduce pipe capacity and may cause a blockage in the line. These sewers are scattered throughout the District as they were previously used in the construction of sewer mains specifically for crossings with other utilities, such as storm drain and water pipes. Upon evaluation of remedial alternatives, it was determined that rehabilitation of these sewers by CIPP trenchless method was the most feasible option.

The previous two phases of the project (VI and VII) focused on rehabilitation of full-length vitrified clay pipe (VCP) structures. The FY21 Project is the eighth lining project and focused on rehabilitation of cast iron pipe sections throughout the District, similar to Phases I through V.

The previous phases are summarized as follows:

<b>Project</b>	<b>Number of Repairs</b>	<b>Cost</b>
Phase I	23	\$237,500
Phase II	27	\$252,050
Phase III	22	\$145,500
Phase IV	23	\$436,448
Phase V	24	\$385,424
Phase VI	10	\$242,109
Phase VII	13	\$290,389
<b>Total</b>	<b>142</b>	<b>\$1,989,420</b>

For the FY21 Project, 16 sewer mains were rehabilitated due to cast iron pipe corrosion. The corrosion removal was performed by District forces and the rehabilitation of the cast iron pipe sewer mains was performed by Southwest using CIPP method. This project installed CIPP liners over the “cleaned” cast iron pipe to prevent blockages from occurring and eliminate capacity and maintenance problems.

#### **Previous Board Action**

November 9, 2020, the Board awarded the construction contract for the FY21 Cast Iron/Pipe Lining Project to Southwest Pipeline & Trenchless Corp. in the amount of \$307,015.

PRE/RC/CB/AB

Attachments: Figure 1 – Site Plan  
Figures 2 through 5 – Photos  
Table 1 – CCO Summary  
Resolution  
Notice of Completion

**FIGURE 1 : Union Sanitary District  
Sewer Drainage Basins**

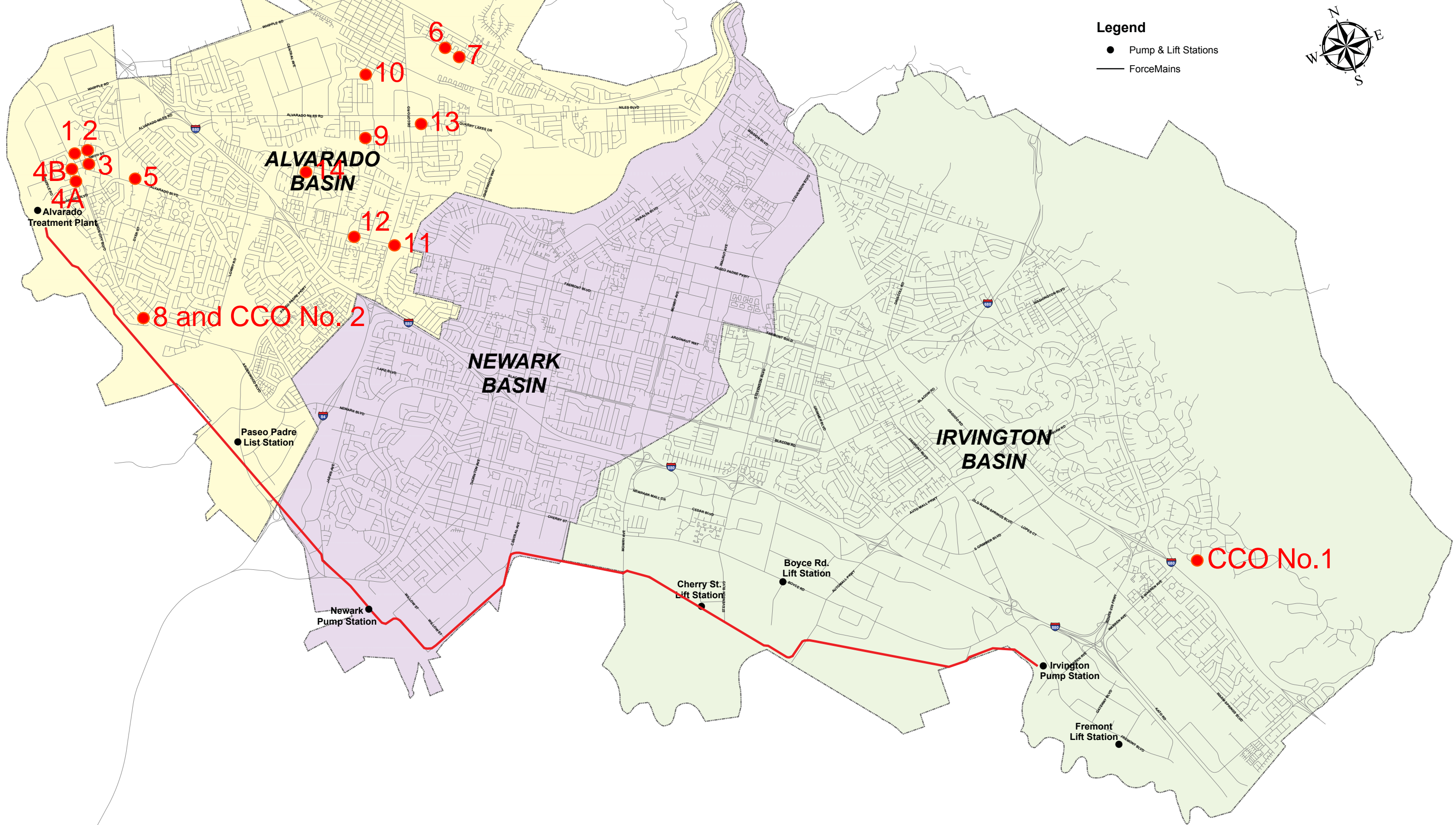


Figure 2



Figure 2 - Site No. 4B, Brier Street, Union City; Observed corrosion.

Figure 3



Figure 3 - Site No. 4B, Brier Street, Union City; CIPP Liner Installed.

Figure 4



Figure 4 - Site No. 14, Alpine Court, Fremont; Observed corrosion.

Figure 5



Figure 5 - Site No. 14, Alpine Court, Fremont; CIPP Liner Installed.

**Table 1**  
**FY21 Cast Iron/Pipe Lining Project**  
**Contract Change Order Summary**

<b>No.</b>	<b>Change Order Description</b>	<b>Contract Time Adjustment, Calendar Days</b>	<b>Cost of Change</b>
1	Joshua Place CIPP Installation	74	\$24,400
2	Rose Way Lateral and Injection Grouting	70	\$5,200
	<b>Total</b>	<b>144</b>	<b>\$29,600</b>

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

**ACCEPT CONSTRUCTION OF THE  
FY21 CAST IRON/PIPE LINING PROJECT  
LOCATED IN THE CITY OF FREMONT, CALIFORNIA AND  
CITY OF UNION CITY, CALIFORNIA  
FROM SOUTHWEST PIPELINE & TRENCHLESS CORP.**

RESOLVED, by the Board of Directors of the UNION SANITARY DISTRICT that it hereby accepts the FY21 Cast Iron/Pipe Lining Project from Southwest Pipeline & Trenchless Corp., effective September 26, 2022.

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

On motion duly made and seconded, this resolution was adopted by the following vote on September 26, 2022:

AYES:

NOES:

ABSENT:

ABSTAIN:

---

ANJALI LATHI  
President, Board of Directors  
Union Sanitary District

Attest:

---

JENNIFER TOY  
Secretary, Board of Directors  
Union Sanitary District



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

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

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

---

**NOTICE OF COMPLETION**

**NOTICE IS HEREBY GIVEN** by the **UNION SANITARY DISTRICT**, Alameda County, California, that the work hereinafter described, the contract for the construction of which was entered into on November 10, 2020, by said District and **SOUTHWEST PIPELINE & TRENCHLESS CORP.**, 22118 South Vermont Ave., Torrance, CA 90502, Contractor for the Project, “FY21 Cast Iron/Pipe Lining Project,” was substantially completed on August 6, 2021, and accepted by said District on September 26, 2022.

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

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

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

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

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

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



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

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

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

Karen W. Murphy  
*Attorney*

**SEPTEMBER 26, 2022  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM # 9**

**TITLE:** **Review and Consider Approval of Unclassified Publicly Available Pay Schedule  
(*This is a Motion Item*)**

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

**Recommendation**

Consider the September 1, 2022, Unclassified Employees Pay Schedule which will be posted and retained in accordance with CalPERS requirements.

**Discussion**

The Publicly Available Pay Schedule, which was mandated by CalPERS in August 2011, is designed to:

1. Ensure consistency between CalPERS employers.
2. Enhance the disclosure and transparency of public employee compensation.

The “Publicly Available Pay Schedule” (CCR 570.5) must:

- Be duly approved and adopted by the employer’s governing body in accordance with requirements of applicable public meeting laws; and
- Identify the position title for every employee position; and
- Show the pay rate for each identified position in a single amount or as multiple amounts within a range; and
- Indicate the time base (i.e., bi-weekly, monthly, etc.); and
- Be posted at the office of the employer or immediately accessible and available for public review from the employer during normal business hours or posted on the employer’s internet website; and
- Indicate an effective date and date of any revisions; and

- Be retained by the employer and available for public inspection for not less than five (5) years.

**Background**

The salary changes contained in the September 1, 2022 document:

- Include the adjustments made to the Unclassified employee pay ranges as the result of Performance Appraisals.
- Are based on the Consumer Price Index for all Urban Consumers (CPI-U) on the December-to-December average; the CPI-U average for December 2020 through December 2021 was 4.2%.
- Reflect an average increase of 4.2% to all Unclassified salary ranges.
- Are consistent with those received by Classified Employees with SEIU effective March 1, 2022.

**Previous Board Action**

09/13/2021 Board Meeting – Approval of Unclassified Publicly Available Pay Schedule

**Attachments**

Unclassified Publicly Available Pay Schedule Effective September 1, 2022



**Union Sanitary District  
Unclassified Employees Salary Schedule  
Effective September 1, 2022**

Position Title	Minimum Bi-Weekly Pay Rate	Maximum Bi-Weekly Pay Rate
Accounting and Financial Analyst I	\$3,540.33	\$4,646.68
Accounting and Financial Analyst II	\$3,997.89	\$5,247.22
Assistant Engineer	\$4,278.72	\$5,615.82
Assistant Engineer - Limited Term	\$4,278.72	\$5,615.82
Associate Engineer	\$4,800.50	\$6,300.65
Buyer I	\$3,286.79	\$4,313.92
Buyer II	\$3,651.99	\$4,793.24
Coach, Capital Improvement Projects	\$6,332.30	\$8,311.14
Coach, Collection Services	\$5,014.56	\$6,581.61
Coach, Customer Service	\$6,332.30	\$8,311.14
Coach, Electrical & Technology	\$5,966.76	\$7,831.37
Coach, Environmental Compliance	\$5,441.38	\$7,141.82
Coach, Finance & Acquisition Services	\$5,863.69	\$7,696.09
Coach, Mechanical Maintenance	\$5,080.38	\$6,668.00
Coach, Research & Support/Sr. Process Engineer	\$5,638.62	\$7,400.68
Coach, Wastewater Plant Operations	\$5,130.45	\$6,733.72
Coach, Wastewater Plant Operations - Limited Term	\$5,130.45	\$6,733.72
Enhanced Treatment Site Upgrade Assistant Program Manager - Limited Term	\$5,367.50	\$7,044.84
Enhanced Treatment Site Upgrade Program Manager - Limited Term	\$6,166.97	\$8,094.14
Environmental Health and Safety Specialist	\$3,928.46	\$5,156.10
Environmental Program Coordinator	\$4,923.16	\$6,461.64
Executive Assistant to the General Manager/Board Secretary	\$3,855.75	\$5,060.67
Human Resources Analyst II	\$4,149.52	\$5,446.25
Human Resources Manager	\$5,853.62	\$7,682.88
Information Technology Administrator	\$5,682.63	\$7,458.45



**Union Sanitary District  
Unclassified Employees Salary Schedule  
Effective September 1, 2022**

Position Title	Minimum Bi-Weekly Pay Rate	Maximum Bi-Weekly Pay Rate
Information Technology Analyst	\$3,778.16	\$4,958.83
Junior Engineer	\$3,850.85	\$5,054.24
Manager, Business Services / Chief Financial Officer	\$7,940.95	\$10,422.49
Manager, Collection Services	\$6,943.58	\$9,113.45
Manager, Maintenance and Technology Services	\$7,290.76	\$9,569.12
Manager, Technical Services	\$7,616.53	\$9,996.69
Manager, Treatment & Disposal Services	\$6,943.58	\$9,113.45
Organizational Performance Coordinator I	\$3,577.40	\$4,695.34
Organizational Performance Coordinator II	\$4,131.90	\$5,423.12
Organizational Performance Manager	\$4,772.34	\$6,263.70
Principal Engineer	\$5,729.22	\$7,519.61
Purchasing Agent	\$4,439.11	\$5,826.34
Senior Accounting and Financial Analyst	\$4,226.62	\$5,547.44
Senior Database Administrator / Developer	\$4,727.46	\$6,204.79
Senior GIS/Database Administrator/Developer	\$4,820.83	\$6,327.34
Senior Human Resources Analyst	\$4,695.20	\$6,162.45
Senior Information Technology Analyst	\$4,197.95	\$5,509.81
Senior Network Administrator	\$4,696.36	\$6,163.97
Senior Engineer/Senior Process Engineer	\$5,101.61	\$6,695.86

**Board of Directors:** Directors meet or serve in their official capacity 3 – 12 times per month with a maximum of six paid meetings/month at a rate of \$212.10 per meeting and are paid for a maximum of one meeting per day.

Approved by: \_\_\_\_\_

President, Board of Directors

**Directors**

Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

**Officers**

Paul R. Eldredge  
*General Manager/  
District Engineer*

Karen W. Murphy  
*Attorney*

**SEPTEMBER 26, 2022  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM # 10**

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

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

**Recommendation**

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

**Discussion**

On September 12, 2022, the Board adopted Resolution No. 2982 declaring an emergency and authorizing the expenditure of funds to allow staff to proceed with the expeditious repair of two sewer lines in the City of Fremont. Since that meeting, staff has issued written notification to McGuire and Hester to commence services in accordance with our emergency services contract. Additionally, McGuire and Hester has begun development of the required traffic control plans/permit applications to be submitted to the City of Fremont.

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

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

### **Background**

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

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

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

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

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

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

**Previous Board Action**

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

PRE/JR/RC/CB

Attachments: Resolution No. 2982  
Figures 1 through 4 – Location Maps and Photos of Damaged Sewers

## **RESOLUTION NO. 2982**

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

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

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

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

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

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

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

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

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

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

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

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

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

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


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

AYES: Fernandez, Handley, Kite, Lathi, Toy

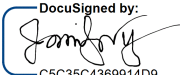
NOES: None

ABSENT: None

ABSTAIN: None

DocuSigned by:  
  
3307E6A1ED28476...  
ANJALI LATHI  
President, Board of Directors  
UNION SANITARY DISTRICT

Attest:

DocuSigned by:  
  
C5C35C4360944D9...  
JENNIFER TOY  
Secretary, Board of Directors  
UNION SANITARY DISTRICT

**Certificate Of Completion**

Envelope Id: 81133E93D6A147E7B870935D3BB35AF5

Status: Completed

Subject: USD Requests Please DocuSign: Reso No 2982.pdf

Source Envelope:

Document Pages: 2

Signatures: 2

Certificate Pages: 5

Initials: 0

AutoNav: Enabled

Envelope Stamping: Enabled

Time Zone: (UTC-08:00) Pacific Time (US &amp; Canada)

Envelope Originator:

Sharon Anderson

5072 Benson Road

Union City, CA 94587

sharona@unionsanitary.ca.gov

IP Address: 50.227.238.26

**Record Tracking**

Status: Original

9/13/2022 10:49:31 AM

Holder: Sharon Anderson

sharona@unionsanitary.ca.gov

Location: DocuSign

**Signer Events**

Anjali Lathi

alathi@unionsanitary.ca.gov

Union Sanitary District

Security Level: Email, Account Authentication  
(None)**Signature**DocuSigned by:  
  
3397E6A1ED28476...Signature Adoption: Drawn on Device  
Using IP Address: 107.196.101.34**Timestamp**

Sent: 9/13/2022 10:51:30 AM

Viewed: 9/14/2022 12:46:05 AM

Signed: 9/14/2022 12:46:15 AM

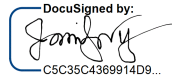
**Electronic Record and Signature Disclosure:**

Accepted: 5/31/2022 9:51:04 AM

ID: 4b0bedca-90b5-4845-8e7c-1c057a198d32

Jennifer Toy

jtoy@unionsanitary.ca.gov

Security Level: Email, Account Authentication  
(None)DocuSigned by:  
  
C5C35C4369914D9...Signature Adoption: Drawn on Device  
Using IP Address: 207.163.116.24  
Signed using mobile

Sent: 9/13/2022 10:51:30 AM

Viewed: 9/15/2022 7:54:07 PM

Signed: 9/15/2022 7:54:17 PM

**Electronic Record and Signature Disclosure:**

Accepted: 5/31/2022 9:03:18 PM

ID: 31593a23-154e-4210-9aa2-a45d01651685

**In Person Signer Events****Signature****Timestamp****Editor Delivery Events****Status****Timestamp****Agent Delivery Events****Status****Timestamp****Intermediary Delivery Events****Status****Timestamp****Certified Delivery Events****Status****Timestamp****Carbon Copy Events****Status****Timestamp****Witness Events****Signature****Timestamp****Notary Events****Signature****Timestamp****Envelope Summary Events****Status****Timestamps**

Envelope Sent

Hashed/Encrypted

9/13/2022 10:51:31 AM

Certified Delivered

Security Checked

9/15/2022 7:54:07 PM

Envelope Summary Events	Status	Timestamps
Signing Complete	Security Checked	9/15/2022 7:54:17 PM
Completed	Security Checked	9/15/2022 7:54:17 PM
Payment Events	Status	Timestamps
Electronic Record and Signature Disclosure		

Figure 1 - Location of Damaged 18" Sewer Main



Figure 2 - Photo of Damaged 18" Sewer Main



Figure 3 - Location of Damaged 8" Sewer Main

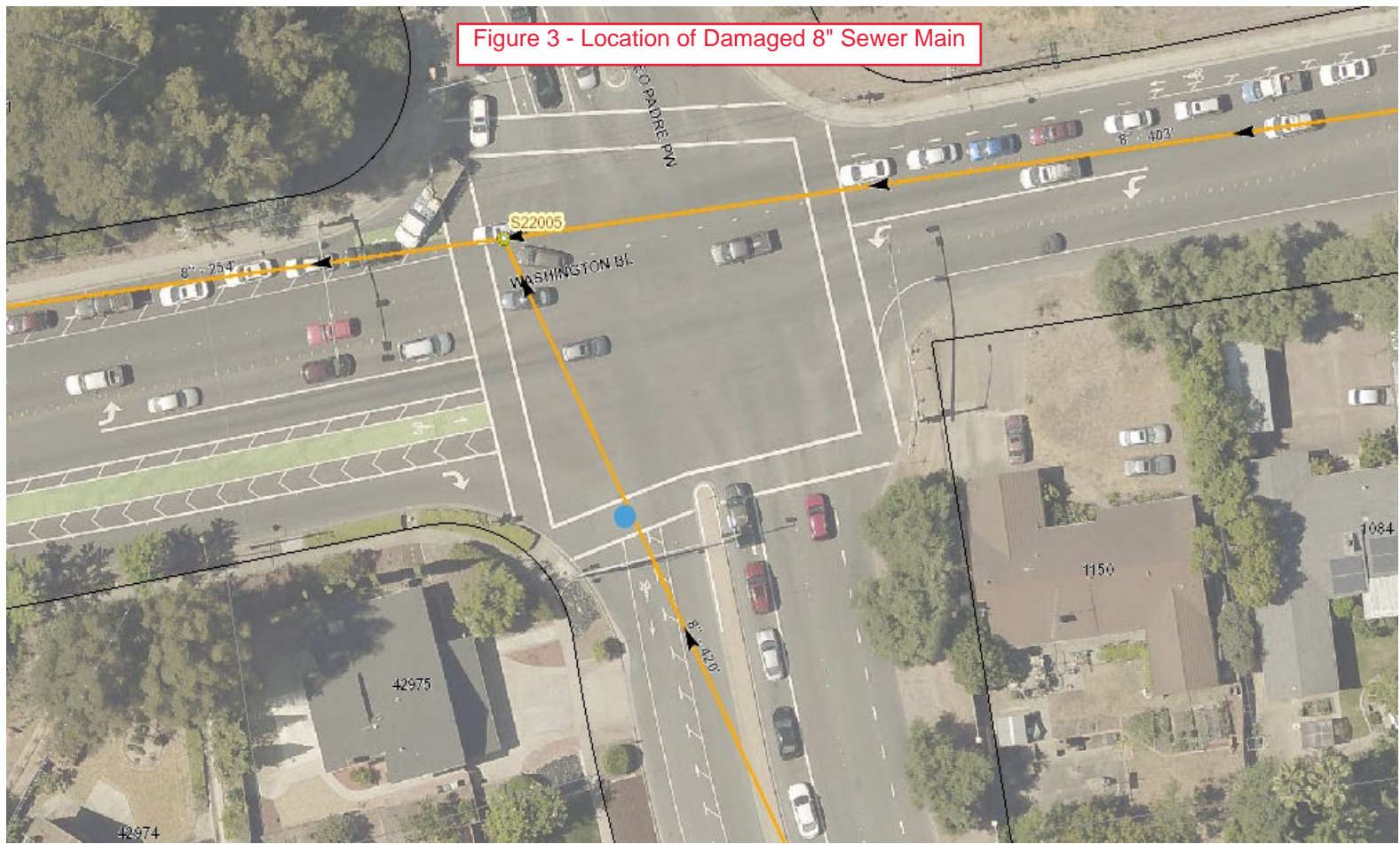
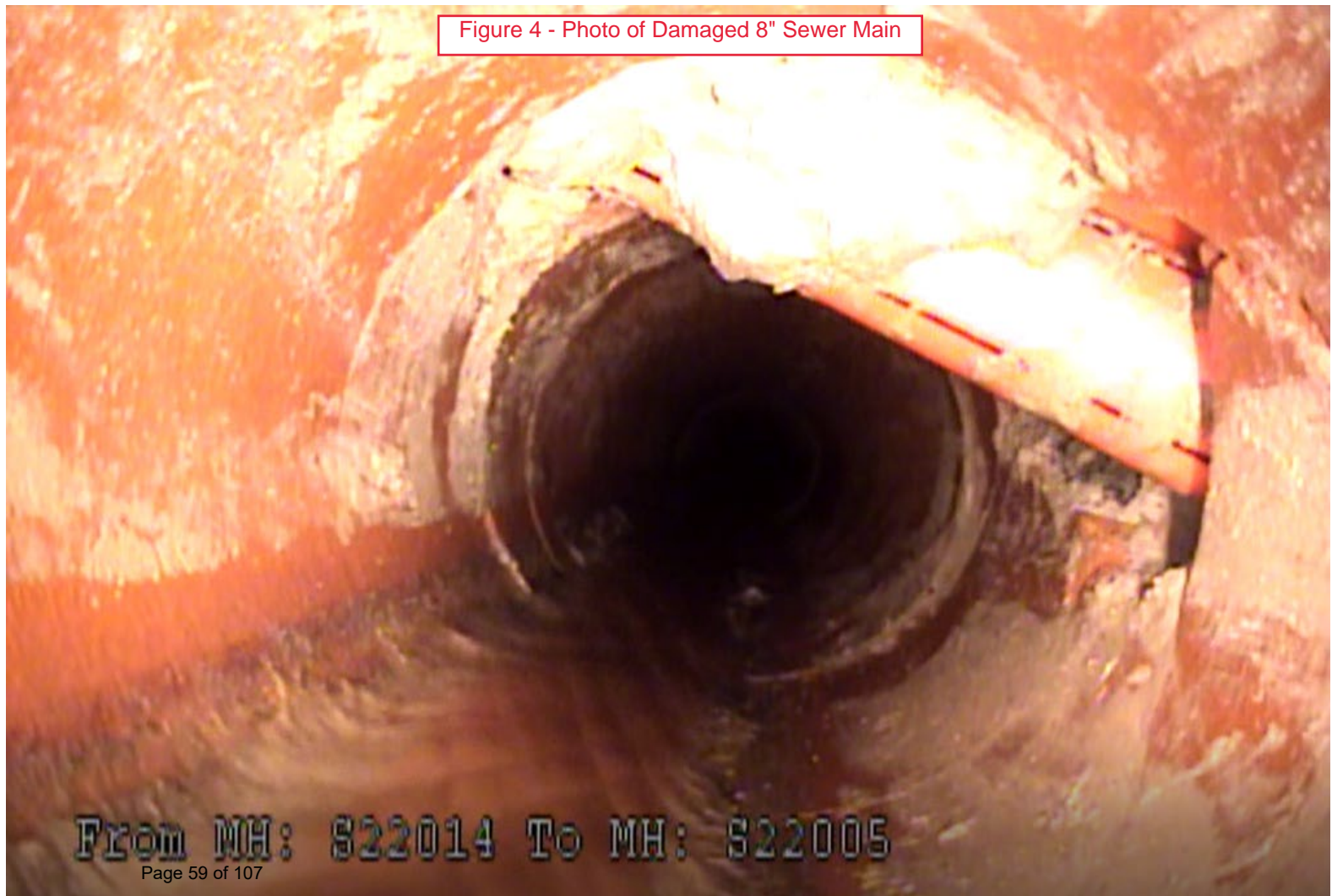


Figure 4 - Photo of Damaged 8" Sewer Main





**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 26, 2022  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM # 11**

**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 2021, the Board approved the Capital Improvement Program (CIP) budget for Fiscal Year 2022 in the amount of \$43.19 million for the design and construction of 31 CIP projects.

For Fiscal Year 2022, 18 projects were ranked as Priority 1 projects, and the remaining 13 were ranked as Priority 2 or Priority 3 projects. The status of the Priority 1 CIP projects was reviewed by the Executive Team at the end of each quarter and a status report is attached for the Board's review.

During the fourth quarter of Fiscal Year 2022, the Board awarded the Enhanced Treatment and Site Upgrade (ETSU) Phase 1A – Campus Building Project and accepted the construction of the Emergency Outfall Improvements Project. The construction of the Primary Digester No. 7 Project was substantially completed in May. Staff and the contractor are currently working on project closeout issues.

Construction-phase activities began on several projects, including the ETSU Phase 1A – Aeration Basins Modifications Project, Standby Power Generation System Upgrade Project, Irvington Basin Reinforced Concrete Pipe (RCP) Rehabilitation Project, and Force Main Corrosion Repairs Project – Phase 3.

**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 Fiscal Year 2022.

**Previous Board Action**

None.

PRE/RC

Attachments: Priority 1 CIP Projects for Fiscal Year 2022 – Status Report  
Summary of CIP Projects for Fiscal Year 2022  
CIP Project Criteria

**Priority 1 CIP Projects for Fiscal Year 2022 – Status Report**

	<b>CIP Project</b>	<b>Planned Milestones</b>	<b>Status after 1<sup>st</sup> Quarter</b>	<b>Status after 2<sup>nd</sup> Quarter</b>	<b>Status after 3<sup>rd</sup> Quarter</b>	<b>Status after 4<sup>th</sup> Quarter</b>
<b>1</b>	Central Avenue Sanitary Sewer Relocation	Complete the design 6 months after the City of Newark makes a determination on whether the sewer relocation design and construction can be done as part of the bridge design and construction.	Awaiting the City's response and their consultant's fee proposal for including sewer relocation in their bridge design.	Awaiting City to provide a draft cost sharing agreement for District review.	Awaiting City to provide a draft cost sharing agreement for District review.  The City's kick off meeting for design is scheduled in May 2022.	Cost sharing agreement under review. Design in progress. First design submittal expected in July 2022.
<b>2</b>	RCP Sewer Rehab (Irvington Basin)	1. Complete design by December 2021. 2. Award construction contract by March 2022.	90% design submittal review completed.	Final design completed and Bid Advertisement in December 2021. Board Award scheduled in February 2022.	Project awarded in February 2022.  Notice to Proceed is scheduled to be issued in April 2022.	Construction Notice to Proceed was issued in April 2022. Submittal review and coordination of traffic control plan submittal with the City in progress.
<b>3</b>	Cherry St. PS	1. Complete PG&E application review and approval process for electrical service upgrade by January 2022. 2. Complete design by March 2022. 3. Award construction contract by June 2022.	Awaiting PG&E's confirmation of the new service routing and completion of the engineering review.  100% design submittal review in progress.	Received PG&E engineering drawings and contract in December.  100% design submittal review in progress.	Contract with PG&E was executed.  100% design documents are scheduled to be finalized in the fourth quarter.	Final bid documents review in progress. Bidding scheduled for August 2022.

**Priority 1 CIP Projects for Fiscal Year 2022 – Status Report**

	<b>CIP Project</b>	<b>Planned Milestones</b>	<b>Status after 1<sup>st</sup> Quarter</b>	<b>Status after 2<sup>nd</sup> Quarter</b>	<b>Status after 3<sup>rd</sup> Quarter</b>	<b>Status after 4<sup>th</sup> Quarter</b>
<b>4</b>	Emergency Outfall Outlet Improvements	Complete construction by January 2022.	Cofferdam shoring installation in Old Alameda Creek was completed.	Began construction of new concrete outfall structure and installation of outfall pipeline.	Construction completed in January 2022.  Board acceptance of the project is scheduled in the fourth quarter.	Board accepted project on June 13 <sup>th</sup> .
<b>5</b>	Digester No. 2 Insp. and Rehab.	Complete construction by June 2021.	Board accepted project on August 9 <sup>th</sup> .	Completed.	Completed.	Completed
<b>6</b>	Digester No. 7	Complete construction by December 2021.	Continued digester watertightness testing, piping and equipment installation, testing, and training.	Completed piping and equipment installations, and trainings. Continued testing of equipment prior to commissioning.	Commenced with operational testing of the digester system.  Commissioning scheduled in May 2022.	Construction substantially completed in May 2022.  Punchlist work is ongoing.
<b>7</b>	ETSU – Phase 1A – Aeration Basin Modifications	Award construction contract by January 2022.	Bid Advertisement began September 2021.	Project Award scheduled in January 2022.	Notice to Proceed with Construction Issued in March 2022.	Field work began in May 2022.
<b>8</b>	ETSU – Phase 1A – Aeration Basin No. 8	1. Award construction contract by January 2022. 2. Start-up of new West Aeration basin Odor Scrubbers by June 2022.	Bid Advertisement began September 2021.	Project Award scheduled in January 2022.	Notice to Proceed with Construction Issued in March 2022.	Field work began in May 2022. Odor Control Equipment in Submittal and Procurement process.

**Priority 1 CIP Projects for Fiscal Year 2022 – Status Report**

	<b>CIP Project</b>	<b>Planned Milestones</b>	<b>Status after 1<sup>st</sup> Quarter</b>	<b>Status after 2<sup>nd</sup> Quarter</b>	<b>Status after 3<sup>rd</sup> Quarter</b>	<b>Status after 4<sup>th</sup> Quarter</b>
<b>9</b>	ETSU – Phase 1A – Aeration Internal Lift Pumps	1. Award construction contract by January 2022. 2. Approve construction submittals for new Lift Pumps by June 2022.	Bid Advertisement began September 2021.	Project Award scheduled in January 2022.	Notice to Proceed with Construction Issued in March 2022.	Lift Pump submittals in development by Contractor.
<b>10</b>	ETSU – Phase 1A – Blower 7-10 Replacement	1. Award construction contract by January 2022. 2. Approve construction submittals for new Blowers by June 2022.	Bid Advertisement began September 2021.	Project Award scheduled in January 2022.	Notice to Proceed with Construction Issued in March 2022.	Blower Submittals approved and in manufacturing process.
<b>11</b>	ETSU – Phase 1A – Plant 12kV Switchgear	1. Award construction contract by January 2022. 2. Acquire PG&E approvals for new Switchgear by March 2022.	Bid Advertisement began September 2021.	Project Award scheduled in January 2022.	Notice to Proceed with Construction Issued in March 2022.	New Switchgear submittals under review by PG&E.
<b>12</b>	ETSU – Phase 1A – Campus Building	Award construction contract by March 2022.	90% Design Submittal reviewed by Staff, CM Team, and City of Union City.	100% design submittal received December 2021	Advertisement for Bids Commenced March 2022.	Construction Contract awarded in June 2022.
<b>13</b>	ETSU – Phase 1B – Effluent Facilities	Receive 90% Design Submittal by December 2021.	Continued design workshops throughout the 1 <sup>st</sup> Quarter.	90% design submittal received December 2021	Received Proposals from Value Engineering Consultants in March 2022.	Value Engineering Workshop held in June 2022. Designer reviewing draft report.

**Priority 1 CIP Projects for Fiscal Year 2022 – Status Report**

	<b>CIP Project</b>	<b>Planned Milestones</b>	<b>Status after 1<sup>st</sup> Quarter</b>	<b>Status after 2<sup>nd</sup> Quarter</b>	<b>Status after 3<sup>rd</sup> Quarter</b>	<b>Status after 4<sup>th</sup> Quarter</b>
<b>14</b>	ETSU – Phase 1B – Secondary Clarifiers	Receive 90% Design Submittal by December 2021.	Continued design workshops throughout the 1 <sup>st</sup> Quarter.	90% design submittal received December 2021	Received Proposals from Value Engineering Consultants in March 2022.	Value Engineering Workshop held in June 2022. Designer reviewing draft report.
<b>15</b>	Force Main Corrosion Repairs – Phase 3	Complete the design 2 months after the construction of the Twin Force Mains Relocation - Phase 2 project is accepted.	Project on hold pending the completion of the Force Main Relocation – Phase 2 Project.	100% design documents received and under review. Anticipate Bid Advertisement in February 2022.	Bids opened in March 2022.  Project award is scheduled in April 2022.	Construction Notice to Proceed was issued in May 2022. Submittal review and force main dewatering in progress.
<b>16</b>	Headworks Screens Replacement	Complete construction by November 2021.	Additional work to be completed in 2 <sup>nd</sup> Quarter in FY 22 due to delayed parts delivery.	Construction completed in December 2021. Project acceptance scheduled in January 2022.	Board accepted the project in January 2022.	Completed.
<b>17</b>	Standby Power Generation System Upgrade	1. Complete design by October 2021. 2. Award construction contract in early 2022, subject to the SRF funding approval.	100% design submittal review in progress.	Bid Advertisement in October 2021. Bids opened on December 16, 2021. Board Award scheduled in February 2022.	Project awarded in February 2022.  Notice to Proceed issued to contractor in March 2022.	Field work began in June 2022. Submittal review and site demolition in progress.

**Priority 1 CIP Projects for Fiscal Year 2022 – Status Report**

	<b>CIP Project</b>	<b>Planned Milestones</b>	<b>Status after 1<sup>st</sup> Quarter</b>	<b>Status after 2<sup>nd</sup> Quarter</b>	<b>Status after 3<sup>rd</sup> Quarter</b>	<b>Status after 4<sup>th</sup> Quarter</b>
<b>18</b>	WAS Thickeners	<ol style="list-style-type: none"> <li>1. Complete design by December 2021.</li> <li>2. Award construction contract by March 2022.</li> </ol>	100% design submittal review in progress.	Value engineering (VE) completed in November 2021. District and design consultant reviewed VE recommendations and will decide on next steps.	Project on hold until Fiscal Year 2025.	Project on hold until Fiscal Year 2025.

### SUMMARY OF CIP PROJECTS FOR FISCAL YEAR 2022

Project Type	Number of Projects	Project Name
Administrative Facilities	4	<ol style="list-style-type: none"> <li>1. Cathodic Protection Improvements</li> <li>2. ETSU – Phase 1A – Campus Building</li> <li>3. Solar Panels/Inverters Replacement at Carport</li> <li>4. Solar Panels/Inverters Replacement at Irvington</li> </ol>
Collection System	3	<ol style="list-style-type: none"> <li>1. Central Avenue Sanitary Sewer Relocation</li> <li>2. Gravity Sewer Rehab/Replacement</li> <li>3. RCP Sewer Rehab (Irvington Basin)</li> </ol>
Transport System	4	<ol style="list-style-type: none"> <li>1. Cherry St. PS</li> <li>2. Force Main Corrosion Repairs – Phase 3</li> <li>3. Irvington PS Pumps and VFDs</li> <li>4. Newark and Irvington PS Chemical System Improvements</li> </ol>
Treatment Plant	20	<ol style="list-style-type: none"> <li>1. Aeration Blower 11 and East Blower Bldg. Improvements</li> <li>2. Alvarado Influent PS Improvements</li> <li>3. Centrifuge Building Improvements</li> <li>4. Digester No. 2 Inspection and Rehab</li> <li>5. Digester No. 7</li> <li>6. Emergency Outfall Outlet Improvements</li> <li>7. ETSU – Phase 1A – Aeration Basin Modifications</li> <li>8. ETSU – Phase 1A – Aeration Basin No. 8</li> <li>9. ETSU – Phase 1A – Aeration Internal Lift Pumps</li> <li>10. ETSU – Phase 1A – Blower 7-10 Replacement</li> <li>11. ETSU – Phase 1A – Plant 12kV Switchgear</li> <li>12. ETSU – Phase 1B – Secondary Clarifiers</li> <li>13. ETSU – Phase 1B – Effluent Facilities</li> <li>14. Headworks Screens Replacement</li> <li>15. MCC Replacement</li> <li>16. Miscellaneous Improvements</li> <li>17. Sodium Hypochlorite Loop Improvements</li> <li>18. Standby Power Generation System Upgrade</li> <li>19. Switchboard 3 Replacement</li> <li>20. WAS Thickeners</li> </ol>

**Total: 31**

## **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.

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 26, 2022  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM # 12**

**TITLE:** Fourth Quarterly Report on the Capital Improvement Program for Fiscal Year 2022 (*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 2021, the Board approved the Capital Improvement Program (CIP) budget for Fiscal Year 2022 in the amount of \$43.19 million for the design and construction of 31 CIP projects. The expenditures through the fourth quarter of Fiscal Year 2022 are shown on the attached budget graphs.

The total funds spent at the end of the fiscal year were \$26,903,182, which is 62.3% of the total budgeted amount of \$43,189,200. However, when taking the Enhanced Treatment and Site Upgrade (ETSU) Campus project schedule into consideration (i.e., reducing the budget by the amount that was expected to be spent on the Campus this FY) the percentage of the CIP budget spent increases to 78.0%. As reported in the third quarterly report, the ETSU Campus project was several months behind schedule for a variety of reasons, specifically the amount of additional time required to finalize the interior layouts and fit and finish.

Also, there were several projects that experienced delays for various reasons as provided in the table in the Background section of this report. Most of the delays were due to the additional effort needed to evaluate and resolve design or construction issues. The larger projects and the amount under budget for this quarter are:

- |   |             |
|---|-------------|
| • Digester No. 7  | \$353,000   |
| • Newark and Irvington Pump Stations Chemical System Improvements | \$1,991,000 |
| • RCP Sewer Rehabilitation (Irvington Basin)                      | \$1,798,000 |

- WAS Thickeners \$414,000

It is anticipated the budgeted amounts will be spent in the next fiscal year. When taking the Campus and these projects' schedules into consideration, the percentage of the CIP budget spent increases to 85.5%.

### Background

The total CIP expenditures through June 30, 2022 were below the budget of Fiscal Year 2022 by \$16,286,018. The projects that had significant variances from the budget are listed in the table below.

Project	Approximate Variance at the end of Fourth Quarter (x \$1,000)	Comments
Aeration Blower 11 and East Blower Building Improvements	+349	Commissioning and operational test of the new high-speed blower commenced in the fourth quarter. Construction was delayed due to unforeseen site conditions.
Digester No. 7	-353	Commissioning and operational test of the digester was delayed to address equipment issues.
Emergency Outfall Outlet Improvements	+538	Construction was extended into the third quarter due to a change order to replace the outfall pipeline to Old Alameda Creek. Project was accepted by the Board in June 2022.
ETSU – Phase 1A <ul style="list-style-type: none"> <li>Aeration Basin Modifications</li> <li>Aeration Basin No. 8</li> <li>Aeration Internal Lift Pumps</li> <li>Blower 7-10 Replacement</li> <li>Plant 12kV Switchgear</li> </ul>	-2,234	Issued the Notice to Proceed to the contractor on March 7, 2022. Contractor mobilized on site and commenced with site work in the fourth quarter.  In May, contractor submitted the major electrical equipment construction submittals which were reviewed and returned to the contractor in June for revision.

Project	Approximate Variance at the end of Fourth Quarter (x \$1,000)	Comments
		<p>New odor control equipment is currently not anticipated on-site until November 2022.</p> <p>The equipment suppliers will not guarantee delivery dates until the submittal is approved by the designer and where applicable, the regulatory reviewers.</p>
ETSU – Phase 1A – Campus Building	-9,353	Issued the Notice to Proceed to the contractor on August 1, 2022.
ETSU – Phase 1B <ul style="list-style-type: none"> <li>• Secondary Clarifiers</li> <li>• Effluent Facilities</li> </ul>	-1,841	Design consultant completed 90% design submittal below fee estimate.
Newark and Irvington Pump Stations Chemical System Improvements	-1,991	<p>The design took longer to complete due to additional evaluation of the operational constraints and construction sequence of replacing the 15 gate valves in the Irvington Pump Station.</p> <p>Staff will advertise the bid of the construction contract in the first quarter of Fiscal Year 2023.</p>
RCP Sewer Rehabilitation (Irvington Basin)	-1,798	<p>Issued the Notice to Proceed to the contractor on April 11, 2022.</p> <p>In the fourth quarter, the contractor prepared material submittals for USD’s review and traffic control plans for review by the City of Fremont. The contractor’s field activities commenced in July.</p>

<b>Project</b>	<b>Approximate Variance at the end of Fourth Quarter (x \$1,000)</b>	<b>Comments</b>
Standby Power Generation System Upgrade	+656	Issued the Notice to Proceed to the contractor on March 14, 2022.  The contractor mobilized on site in April and commenced with demolition and site work in the fourth quarter.
WAS Thickeners	-414	As reported during the Fiscal Year 2022 mid-year budget workshop, construction will be postponed to Fiscal Year 2025.
Other Projects	+155	
<b>Total Variance at the end of the Fourth Quarter</b>	<b>-16,286</b>	

The Other Projects category included the following projects that were either in design or construction during Fiscal Year 2022:

1. Alvarado Influent Pump Station Improvements
2. Cathodic Protection System Improvements
3. Central Avenue Sanitary Sewer Relocation
4. Centrifuge Building Improvements
5. Cherry Street Pump Station
6. Digester No. 2 Inspection and Rehabilitation
7. Force Main Corrosion Repairs – Phase 3
8. Gravity Sewer Rehabilitation/Replacement – Phase 7
9. Headworks Screens Replacement
10. Irvington Pump Station Pumps and VFDs – Portable VFD
11. MCC Replacement
12. Miscellaneous Improvements
13. Sodium Hypochlorite Loop Improvements
14. Solar Inverters Replacement at Carport and Irvington
15. Switchboard 3 Replacement
16. Wet Weather Flow Management – Calcium Thiosulfate Chemical Feed

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 expenditures of both programs.

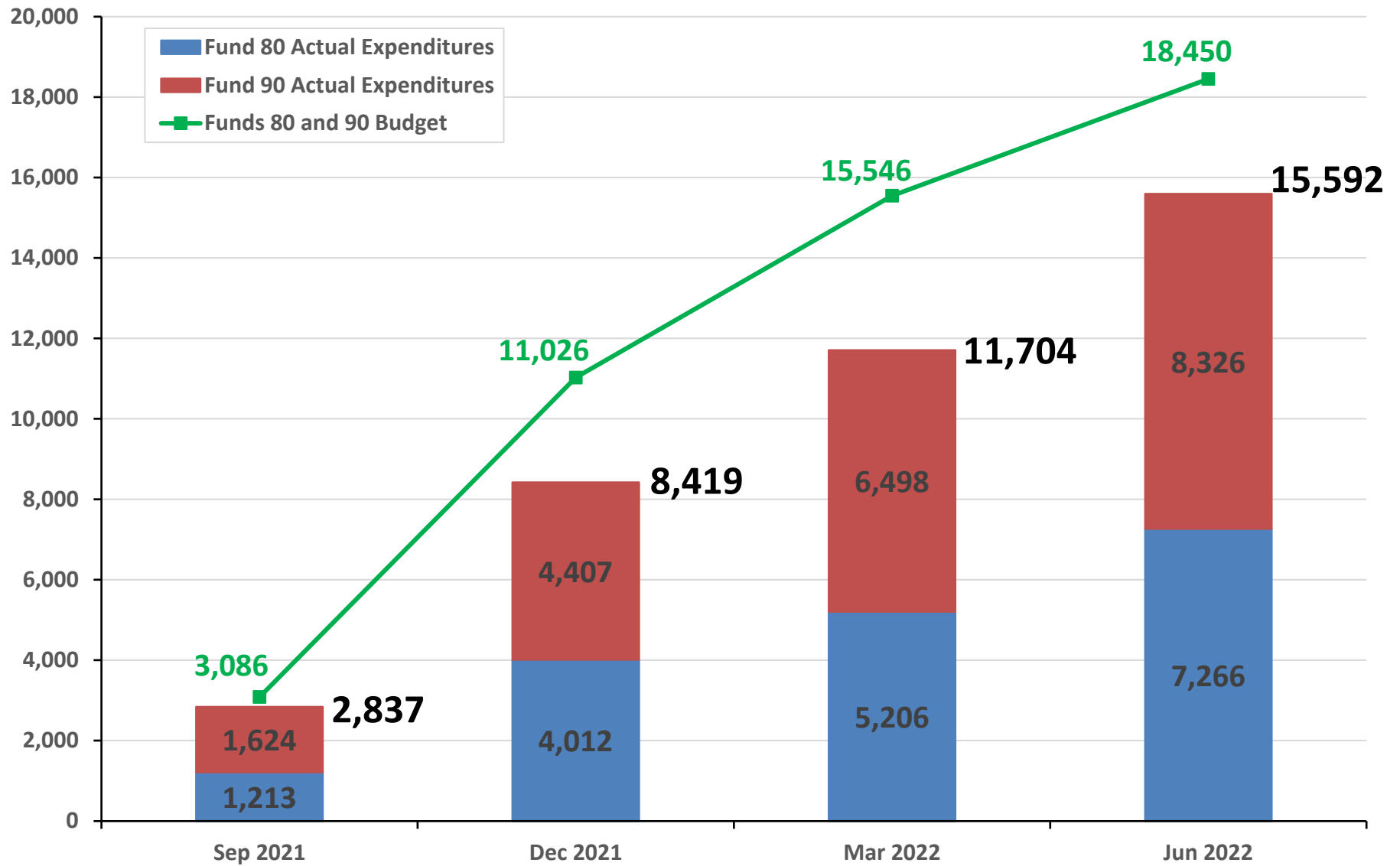
**Previous Board Action**

None.

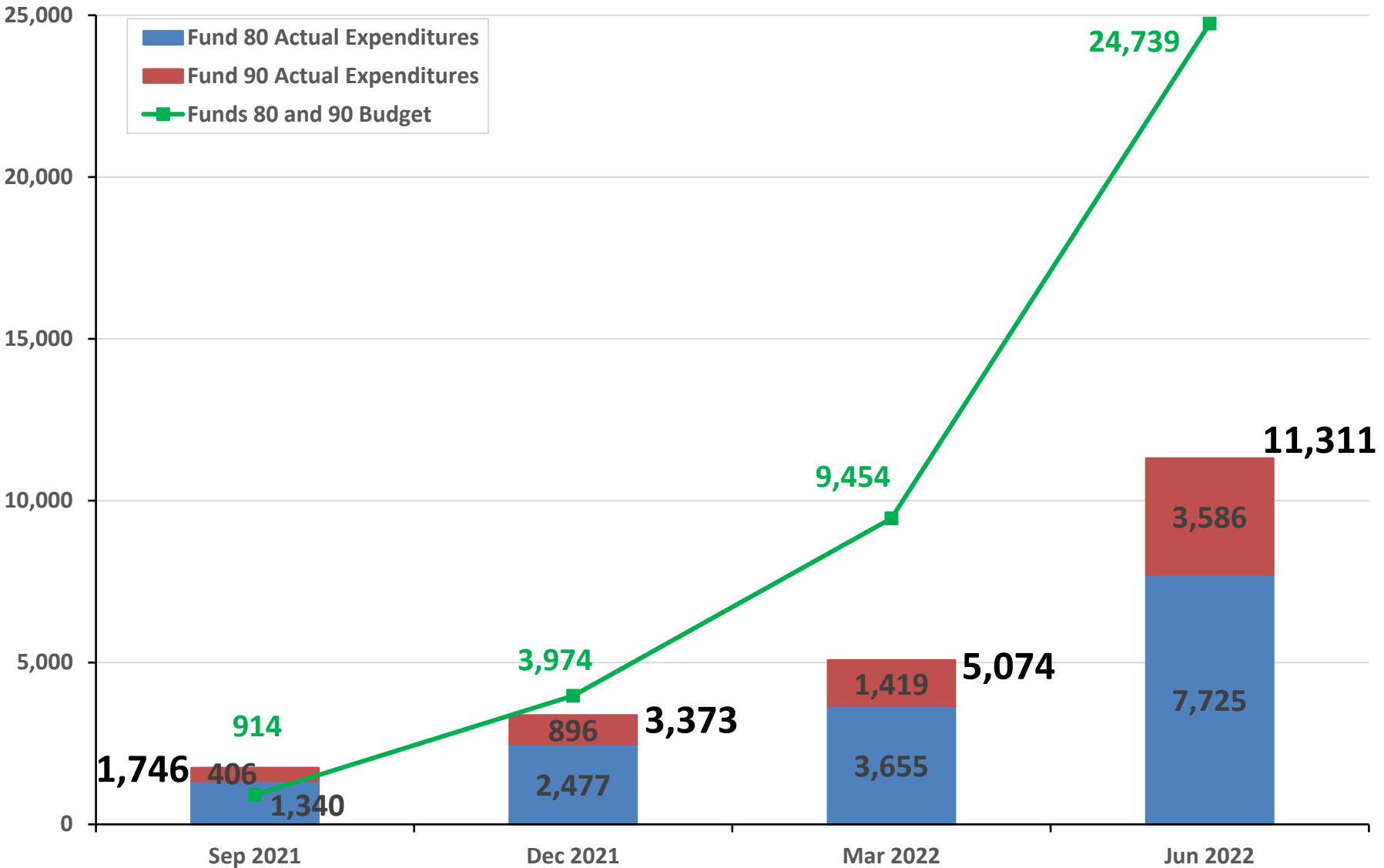
PRE/RC

Attachments: Budget Graphs

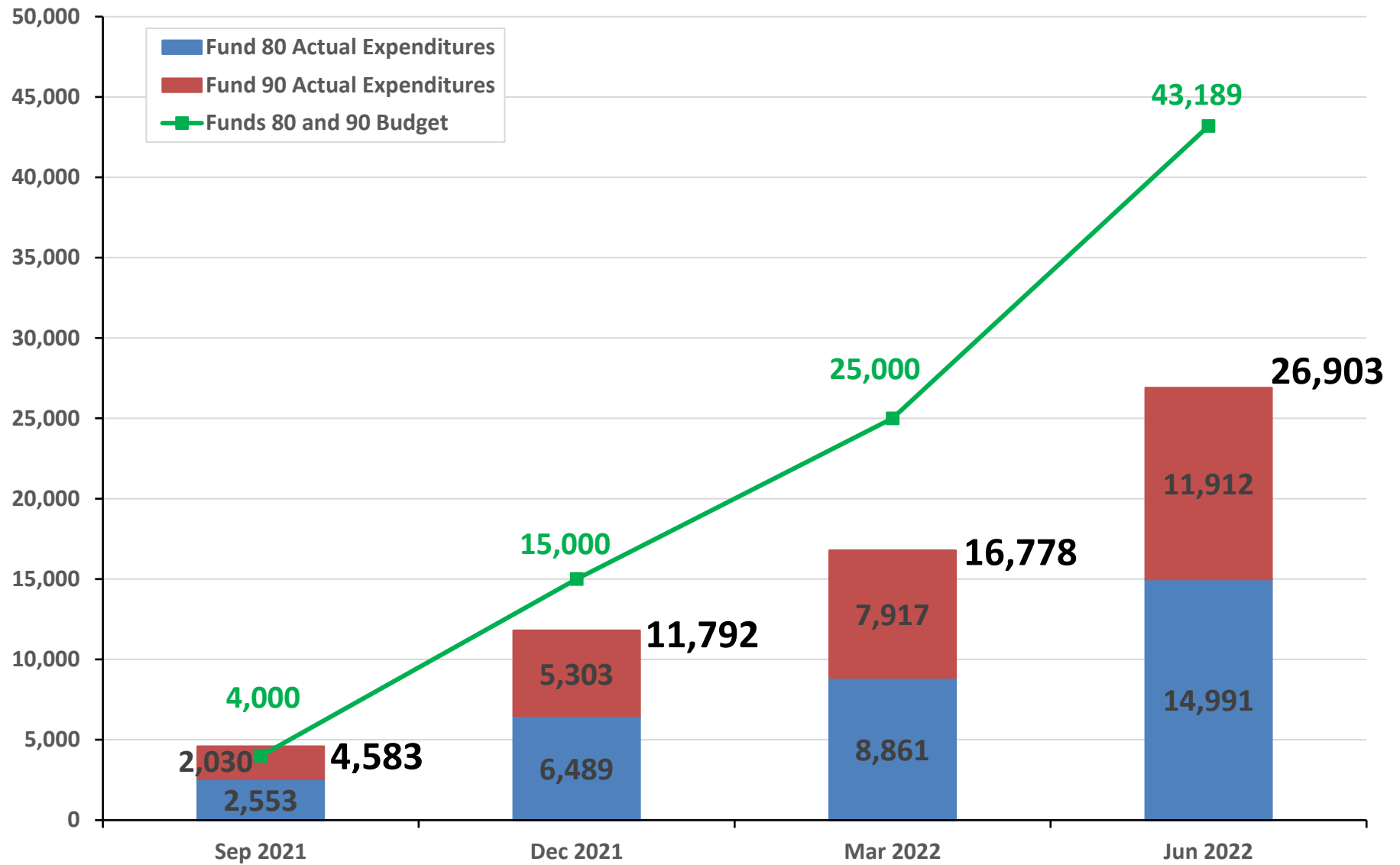
## CIP Budget vs. Actual (Does Not Include ETSU) (x \$1,000)



# 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 26, 2022  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM # 13**

**TITLE:** Fourth Quarterly Report on the Enhanced Treatment and Site Upgrade Program for FY22 (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 2022. 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 <sup>th</sup> aeration basin with the flexibility to operate initially with an anaerobic selector during the implementation phase and transitioning to a biological nutrient removal (BNR) process following completion 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**

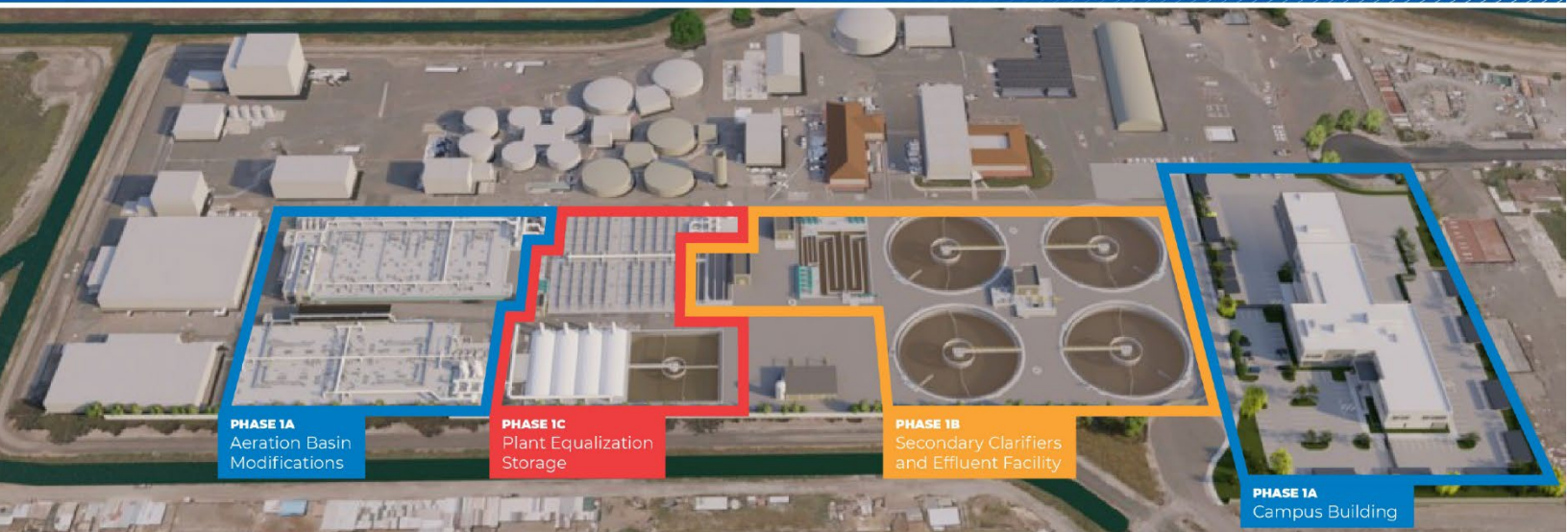
None

PRE/RP/CB

Attachment: Alvarado WWTP ETSU Quarterly PM Report for Fiscal Year 22 Quarter No. 4



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



Fiscal Year 2022 – 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.....	12
3. Program Key Performance Indicator Descriptions .....	13



# Enhanced Treatment and Site Upgrade Program

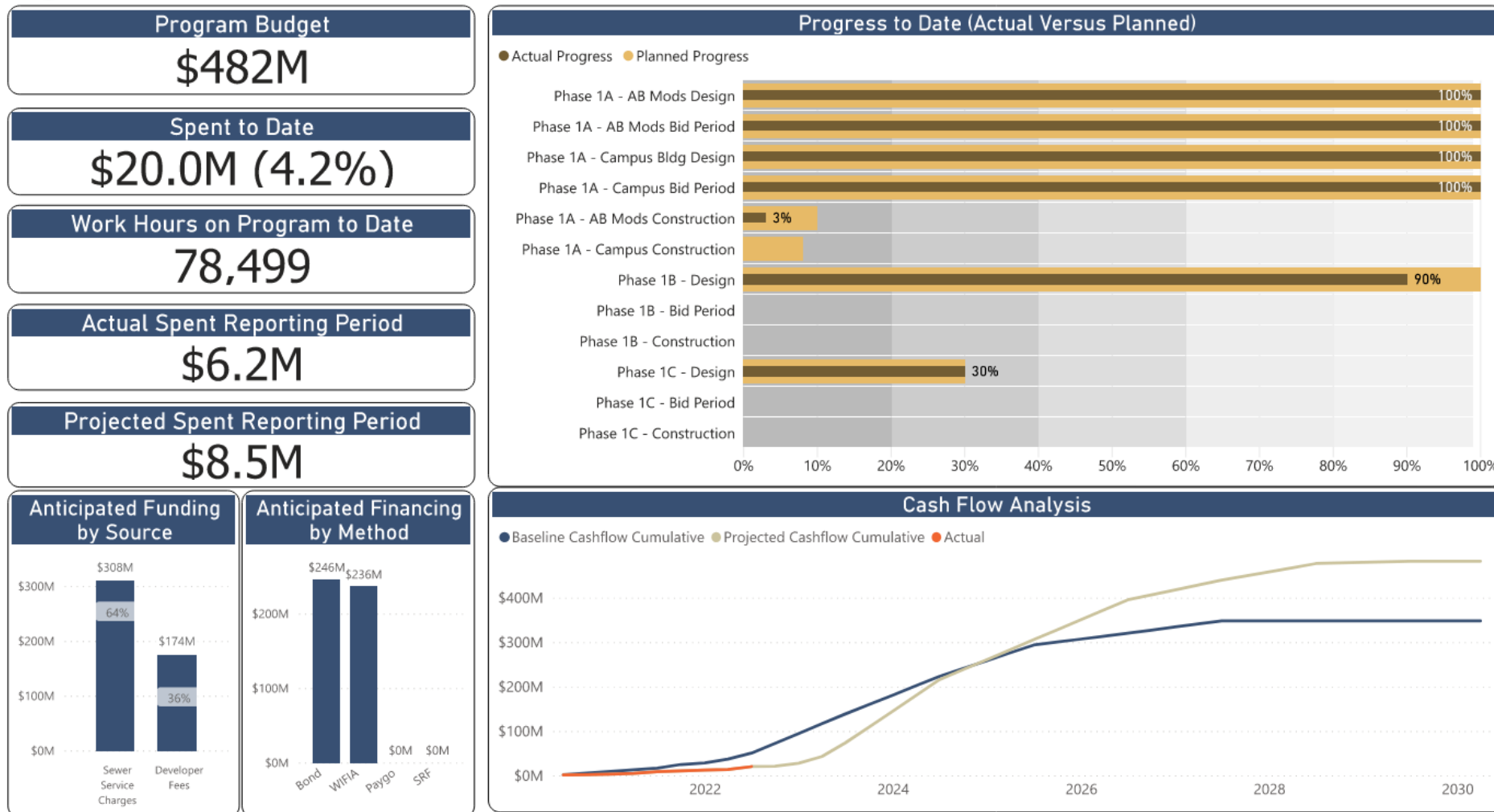







Figure 1-1: Program Dashboard

## 1.1 Program Management Status Summary

Table 1-1 provides a summary of the ETSU Program as of Fiscal Year 2022 – Quarter No. 4.

**Table 1-1: Program Summary**













Key Performance Indicator	Description	Current	Variance	Status	Comment
1. Schedule	Relationship between planned and actual schedule	Slightly delayed	3 months		Campus Building Construction awarded in June 2022.
2. Progress	Progress to Date	In progress	N/A		Aeration Basin Modifications construction 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	Less than projected	> 20%		Spent less than projected for AB Mods, Campus Building*, and Phase 1B.
5. Reportable Accidents	Number of OSHA reportable accidents	0	N/A		There are no reportable accidents to date.


\* As reported in the third quarterly report, the Campus project design was behind schedule for a variety of reasons, specifically the amount of additional time required to finalize the interior layouts and fit and finish.


### 1.1.1 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 <sup>1</sup>	March 2020	2 months		May 2020
Phase 1A – AB Mods Bid Period	September 2021	None		September 2021
Phase 1A – Campus Building Bid <sup>2</sup> 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 2022 – 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	3%	
Phase 1A – Campus Building Construction	0%	
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	\$12.68 M	\$139.4M	9.1 %	
Phase 1A – Campus Building	\$4.57 M	\$102.9M	4.4 %	
Phase 1B – SC and EF	\$2.77 M	\$200.0M	1.4 %	
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	\$9.58 M	\$246M (51%)	Bond funding is assumed to be baseline funding source.
CWSRF	\$0	\$0 (0%)	CWSRF applications for Phases 1A, 1B, and 1C resubmitted in Dec. 2021.
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 during the duration of 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 2022 – Quarter No. 4.

**Table 1-7: Major Program Accomplishments**

Activity	Status	Next Milestone
Phase 1A – Aeration Basin Modifications	Contractor started excavation for new West Aeration Odor Control Area, construction submittal process continues.	Construction final completion scheduled for January 2026.
Phase 1A – Campus Building	Board Awarded construction contract in June. Contractor started construction August 1.	Move-in anticipated late 2024
Phase 1B – Secondary Clarifier and Effluent Facilities	Value Engineering Workshops conducted in June.	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	Design Consultant Initial submittal to ACWD was in August 2021. 3 <sup>rd</sup> submittal in May 2022 and under review at end of June by ACWD.	ACWD 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.
Building Permit (City of Union City)	Zovich applied for City of Union City Building and Grading permits in late June for the Phase 1A Campus Project.	City of Union City Building and Grading permits must be issued prior to beginning site work.
Equipment Delays	Phase 1A AB Mods Contractor submitted major electrical equipment construction submittals in May which were reviewed and returned to the Contractor in early June for revision. A portion of the equipment is also still under review by PG&E. New Odor Control Equipment is currently not anticipated on-site until November.	Preliminary delivery dates from suppliers continue to grow later. No delivery date will be guaranteed by supplier until submittal is approved by both the Designer and where applicable also by regulatory reviewers.

## 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 July 2022)**

Consultant / Contractor	Phase	Actual Expenditures to Date	Total Contracted Cost	Contract Expended to Date (%)
Hazen and Sawyer	Design	\$ 7,556,617.82	\$7,601,955	99.4 %
Jacobs Engineering	Design	\$ 10,683	\$10,703	99.8 %
Psomas	Design/Construction	\$ 452,631.44	\$6,777,552	6.7 %
W. M. Lyles	Construction	\$ 4,249,945.24	\$121,040,201	3.5 %
Hazen and Sawyer	Construction	\$ 303,354	\$3,924,756	7.7 %

**Table 2-2: Phase 1A – Campus Building Cost Summary (through July 2022)**

Consultant / Contractor	Phase	Actual Expenditures to Date	Total Contracted Cost	Contract Expended to Date (%)
Hazen and Sawyer (Burks Toma Architects)	Design	\$3,698,639.32	\$3,737,412	98.7 %
Psomas	Design/Construction	\$352,454.35	\$4,208,731	8.37 %
Zovich Construction	Construction	\$ 0.00	\$ 76,375,000.00	0.0 %

**Table 2-3: Phase 1B – SC and EF Cost Summary (through July 2022)**

Consultant / Contractor	Phase	Actual Expenditures to Date	Total Contracted Cost	Contract Expended to Date (%)
Hazen and Sawyer	Design	\$ 2,682,424.84	\$7,960,952	34 %
HDR, Inc.	Design	\$ 87,787.87	\$ 126,327.00	69 %

## 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	0	1-2	>2



**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 26, 2022  
BOARD OF DIRECTORS MEETING  
AGENDA ITEM # 14**

**TITLE:** COVID-19 Update (*This is an Information Item*)

**SUBMITTED:** Paul R. Eldredge, General Manager/District Engineer

**Recommendation**

Information only.

**Discussion**

None.

**Background**

General Manager Eldredge will provide an update on the District's COVID-19 response and staffing levels.

**Previous Board Action**

None.

**UNION SANITARY DISTRICT  
CHECK REGISTER  
09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
181783	9/8/2022	143	800452.3	CLARK CONSTRUCTION GROUP CA LP	STANDBY POWER SYSTEM UPGRADE	\$452,971.60	\$452,971.60
181800	9/8/2022	143	800501.22	KIEWIT INFRASTRUCTURE WEST CO	ALVARADO INFLUENT PS PUMPS AND VFDS	\$171,274.46	\$171,274.46
181795	9/8/2022	114	2011800231	HAZEN AND SAWYER	MP - AERATION BASIN MODIFICATIONS	\$2,142.00	\$162,664.30
	9/8/2022	143	201180078		PUMP STATION ASSET CONDITION ASSESSMENT	\$9,490.00	
	9/8/2022	143	2011800610		THERMAL DRYER FEASIBILITY STUDY	\$1,530.00	
	9/8/2022	150	201180084		INTERIM CIP COACH SERVICES - MAR 22	\$19,800.00	
	9/8/2022	114	2011800327		CAMPUS BUILDINGS (ADMIN, FMC, OPS)	\$28,905.53	
	9/8/2022	150	201180088		INTERIM CIP COACH SERVICES - JUL 22	\$9,180.00	
	9/8/2022	114	2011800418		ETSU PHASE 1B PROJECT	\$91,616.77	
181873	9/15/2022	114	187184	PSOMAS CORP	CAMPUS BUILDINGS (ADMIN, FMC, OPS)	\$131,162.19	\$131,162.19
181825	9/8/2022	110	31679	SYNAGRO WEST LLC	JUL 2022 BIOSOLIDS DISPOSAL	\$89,504.31	\$89,504.31
181779	9/8/2022	143	11452794	BROWN & CALDWELL CONSULTANTS	STANDBY POWER SYSTEM UPGRADE	\$51,482.83	\$67,384.57
	9/8/2022	143	11452726		COGEN REPLACEMENT & VENTILATION STUDY	\$15,901.74	
181874	9/15/2022	143	22346601.3	QUINCY ENGINEERING INC	FORCE MAIN CORROSION REPAIRS PROJECT PHASE 3 & IRVINGTON B	\$63,724.17	\$63,724.17

**UNION SANITARY DISTRICT  
CHECK REGISTER  
09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
181882	9/15/2022	110	50512347	UNIVAR SOLUTIONS USA INC	4801.7 GALS SODIUM HYPOCHLORITE	\$7,616.30	\$30,130.71
	9/15/2022	110	50501505		4798.3 GALS SODIUM HYPOCHLORITE	\$7,610.92	
	9/15/2022	110	50508807		4595.4 GALS SODIUM HYPOCHLORITE	\$7,289.08	
	9/15/2022	110	50497565		4800.5 GALS SODIUM HYPOCHLORITE	\$7,614.41	
181766	9/8/2022	173	207048	ABTECH TECHNOLOGIES INC	VIDEO STORAGE	\$27,126.12	\$27,126.12
181821	9/8/2022	170	2958	ROCKWELL SOLUTIONS INC	1 GRINDER	\$25,477.38	\$25,477.38
181815	9/8/2022	130	13247025	PFM ASSET MANAGEMENT LLC	INVESTMENT MANAGEMENT / ADVISORY SERVICES	\$5,312.87	\$24,022.97
	9/8/2022	130	13247024		INVESTMENT MANAGEMENT / ADVISORY SERVICES	\$4,802.08	
	9/8/2022	130	13247022		INVESTMENT MANAGEMENT / ADVISORY SERVICES	\$4,570.94	
	9/8/2022	130	13247021		INVESTMENT MANAGEMENT / ADVISORY SERVICES	\$4,018.23	
	9/8/2022	130	13247023		INVESTMENT MANAGEMENT / ADVISORY SERVICES	\$5,318.85	
181884	9/15/2022		533620220822	US BANK CORP PAYMENT SYSTEM	MONTHLY CAL-CARD REPORT - AUGUST 2022	\$23,956.09	\$23,956.09
181827	9/8/2022	110	50482370	UNIVAR SOLUTIONS USA INC	4803.5 GALS SODIUM HYPOCHLORITE	\$7,619.16	\$23,168.68
	9/8/2022	110	50493458		4905.2 GALS SODIUM HYPOCHLORITE	\$7,780.15	
	9/8/2022	110	50485794		4898.2 GALS SODIUM HYPOCHLORITE	\$7,769.37	
181842	9/15/2022	143	82266	BEECHER ENGINEERING	IRVINGTON PS PUMPS AND VFDS	\$1,600.00	\$20,080.00
	9/15/2022	143	82245		SWITHBOARD NO 3 & MCC NO 25 REPLACEMENT	\$18,480.00	
181843	9/15/2022		B06JY4	BENEFIT COORDINATORS CORP	DELTA DENTAL CLAIMS - AUG 2022	\$19,003.80	\$19,003.80
181852	9/15/2022	110	1423525	DEPARTMENT OF GENERAL SERVICES	SERV: JUL 2022 PLANT	\$17,409.39	\$17,409.39

**UNION SANITARY DISTRICT  
CHECK REGISTER  
09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
181799	9/8/2022	110	9017763243	KEMIRA WATER SOLUTIONS INC	45,320 LBS FERROUS CHLORIDE	\$6,849.43	\$15,068.74
	9/8/2022	110	9017763197		47,820 LBS FERROUS CHLORIDE	\$8,219.31	
181794	9/8/2022	170	3R8243	HARRINGTON INDUSTRIAL PLASTICS	26 VALVES	\$12,373.26	\$14,387.86
	9/8/2022	170	3R8244		16 VALVES	\$1,902.51	
	9/8/2022		3R8245		ASTD PVC PARTS & MATERIALS	\$112.09	
181777	9/8/2022	143	1377643	BLACK & VEATCH CORPORATION	ENERGY RESILIENCY STUDY	\$14,156.59	\$14,156.59
181787	9/8/2022	143	176995	ESA	SEA LEVEL RISE STUDY UPDATE	\$11,893.18	\$11,893.18
181804	9/8/2022	170	477462	LUBRICATION ENGINEERS INC	ADDITIONAL OIL- LUBRICATION ENGINEERS	\$10,752.42	\$10,752.42
181880	9/15/2022	170	20554722	TELEDYNE ISCO INC	SAMPLING SUPPLIES	\$9,461.53	\$9,461.53
181803	9/8/2022		374322220901	LINCOLN NATIONAL LIFE INS COMP	LIFE & DISABILITY INSURANCE - SEP 2022	\$9,176.18	\$9,176.18
181860	9/15/2022	170	3R8553	HARRINGTON INDUSTRIAL PLASTICS	ASTD PVC PARTS & MATERIALS	\$5,133.34	\$7,909.01
	9/15/2022	170	3R8242		5 VALVES	\$2,277.77	
	9/15/2022		3R8246		ASTD PVC PARTS & MATERIALS	\$497.90	
181864	9/15/2022	110	9017763897	KEMIRA WATER SOLUTIONS INC	45,640 LBS FERROUS CHLORIDE	\$7,782.97	\$7,782.97
181845	9/15/2022	173	1349563	BMC SOFTWARE INC	FOOTPRINTS RENEWAL	\$7,582.90	\$7,582.90
181885	9/15/2022	123	13718	VON EUW TRUCKING	188.15 TONS 3/4" CL II AB	\$7,084.80	\$7,084.80
181846	9/15/2022	143	11453783	BROWN & CALDWELL CONSULTANTS	PRIMARY DIGESTER NO. 7	\$7,025.47	\$7,025.47

**UNION SANITARY DISTRICT  
CHECK REGISTER  
09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
181866	9/15/2022	113	2208B38	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$1,060.00	\$6,525.00
	9/15/2022	113	2208991		LAB SAMPLE ANALYSIS	\$832.00	
	9/15/2022	113	2208744		LAB SAMPLE ANALYSIS	\$820.00	
	9/15/2022	113	2208795		LAB SAMPLE ANALYSIS	\$20.00	
	9/15/2022	113	2208E83		LAB SAMPLE ANALYSIS	\$64.00	
	9/15/2022	113	2208481A		LAB SAMPLE ANALYSIS	\$85.00	
	9/15/2022	113	2208987		LAB SAMPLE ANALYSIS	\$982.00	
	9/15/2022	113	2208D44		LAB SAMPLE ANALYSIS	\$1,590.00	
	9/15/2022	113	2208482		LAB SAMPLE ANALYSIS	\$1,072.00	
181839	9/15/2022		18665211	AT&T	SERV: 07/20/22 - 08/19/22	\$263.19	\$4,827.04
	9/15/2022		18665187		SERV: 07/20/22 - 08/19/22	\$26.13	
	9/15/2022		18665189		SERV: 07/20/22 - 08/19/22	\$3,665.14	
	9/15/2022		3577052702		SERV: 07/11/22 - 08/10/22	\$872.58	
181791	9/8/2022	143	325394	CITY OF FREMONT	PERMIT: IRVINGTON BASIN RCP REHABILITATION	\$4,126.80	\$4,126.80
181785	9/8/2022	173	10594584819	DELL MARKETING LP C/O DELL USA	IT ANALYST LAPTOP	\$4,102.61	\$4,102.61
181850	9/15/2022	173	51540	CDW GOVERNMENT LLC	CTRL BLDG CABLE AND TEST EQUIP	\$450.57	\$3,638.83
	9/15/2022	173	33293		1 TEST EQUIP	\$3,188.26	
181831	9/8/2022	123	50034	WECO INDUSTRIES LLC	CAMERA REPAIRS	\$3,636.93	\$3,636.93
181829	9/8/2022	170	122994	VALLEY OIL COMPANY	DIESEL FUEL TANK INSPECTIONS	\$3,600.00	\$3,600.00

**UNION SANITARY DISTRICT  
CHECK REGISTER  
09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
181776	9/8/2022		B06HFK	BENEFIT COORDINATORS CORP	DELTA DENTAL AND VSP STMT - SEP 2022	\$3,582.50	\$3,582.50
181887	9/15/2022	143	2050474	WEST YOST ASSOCIATES	FORCE MAIN CORROSION REPAIRS PROJECT PHASE 3	\$3,560.15	\$3,560.15
181875	9/15/2022	120	916005020586	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - SEP 2022	\$3,476.42	\$3,476.42
181775	9/8/2022	121	26774	BAYSCAPE LANDSCAPE MANAGEMENT	LANDSCAPE MAINTENANCE SERVICES - AUG 2022	\$3,410.00	\$3,410.00
181861	9/15/2022	143	201180097	HAZEN AND SAWYER	HEADWORKS DEGRITTING STUDY	\$3,250.00	\$3,250.00
181857	9/15/2022	122	9405287963	GRAINGER INC	ASTD PARTS & MATERIALS	\$12.63	\$3,107.70
	9/15/2022		9403959845		ASTD PARTS & MATERIALS	\$1,497.27	
	9/15/2022		9407442368		ASTD PARTS & MATERIALS	\$1,460.74	
	9/15/2022	111	9405057556		ASTD PARTS & MATERIALS	\$137.06	
181858	9/15/2022	170	96757948	H & E EQUIPMENT SERVICES INC	EQUIPMENT RENTAL 08/10/2022 - 09/06/2022	\$2,956.30	\$2,956.30
181849	9/15/2022	170	10029583	CARBOLINE COMPANY	PAINT & RELATED PAINT SUPPLIES	\$793.23	\$2,954.92
	9/15/2022	170	10028472		PAINT & RELATED PAINT SUPPLIES	\$792.60	
	9/15/2022	170	10028826		PAINT & RELATED PAINT SUPPLIES	\$576.49	
	9/15/2022	170	10029116		PAINT & RELATED PAINT SUPPLIES	\$792.60	
181876	9/15/2022	141	60600654	ROBERT HALF INTERNATIONAL INC	TEMP LABOR-PRASAD, J. WK ENDING 08/19/2022	\$1,563.27	\$2,819.78
	9/15/2022	141	60469726		TEMP LABOR-PRASAD, J. WK ENDING 07/29/2022	\$1,256.51	
181774	9/8/2022	143	4HH42.1	BAY AREA AIR QUALITY MGMT DIST	PERMIT EXTENSION STANDBY POWER SYSTEM UPGRADE	\$2,814.00	\$2,814.00

**UNION SANITARY DISTRICT  
CHECK REGISTER  
09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
181807	9/8/2022	122	83404092	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$47.78	\$2,737.23
	9/8/2022	170	84123272		ASTD PARTS & MATERIALS	\$33.31	
	9/8/2022		83959791		ASTD PARTS & MATERIALS	\$1,378.89	
	9/8/2022	114	84121937		ASTD PARTS & MATERIALS	\$346.38	
	9/8/2022		84045628		ASTD PARTS & MATERIALS	\$930.87	
181872	9/15/2022	170	102800	PRIME MECHANICAL SERVICE INC	SERVICE CALL: BLDG 80 HVAC UNIT REPAIRS AND REPLACE	\$2,664.73	\$2,664.73
181854	9/15/2022	170	249610	FRANK A OLSEN COMPANY	4 DRAIN VALVES	\$2,613.64	\$2,613.64
181813	9/8/2022	170	139286	NEW IMAGE LANDSCAPING CO	LANDSCAPE MAINTENANCE - FMC - AUG	\$2,555.59	\$2,555.59
181851	9/15/2022		20220825	DALE HARDWARE INC	08/22 - ASTD PARTS & MATERIALS	\$2,518.70	\$2,518.70
181780	9/8/2022	173	82957	CDW GOVERNMENT LLC	CTRL BLDG CABLE AND TEST EQUIP	\$1,054.38	\$2,365.78
	9/8/2022	173	89352		1 TOOL	\$118.46	
	9/8/2022	173	28190		PUMP STATION PERIPHERALS	\$624.53	
	9/8/2022		54302		PUMP STATION PERIPHERALS	\$568.41	
181806	9/8/2022	113	2208279	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$984.00	\$1,984.00
	9/8/2022	113	2208276		LAB SAMPLE ANALYSIS	\$1,000.00	
181890	9/15/2022		5450	ZELAYA DESIGNS	NEWSLETTER SERVICES	\$1,977.00	\$1,977.00
181809	9/8/2022	170	2400147003	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$1,896.14	\$1,896.14
181796	9/8/2022	114	1200455443	HDR ENGINEERING INC	ETSU PHASE 1B PROJECT	\$1,841.68	\$1,841.68
181798	9/8/2022	113	3201642922	KELLY SERVICES INC	TEMP LABOR-JANES, O. WK ENDING 08/14/22	\$1,732.50	\$1,732.50

**UNION SANITARY DISTRICT  
CHECK REGISTER  
09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
181772	9/8/2022	173	2009250450C	AVEPOINT PUBLIC SECTOR INC	CLOUD MANAGEMENT FOR OFFICE 365	\$1,680.00	\$1,680.00
181863	9/15/2022	113	3302031822	KELLY SERVICES INC	TEMP LABOR-JANES, O. WK ENDING 08/21/22	\$1,658.25	\$1,658.25
181833	9/15/2022	143	22019461	ABC IMAGING, INC	CHERRY ST. PS	\$1,649.27	\$1,649.27
181879	9/15/2022		736373557001	STAPLES CONTRACT & COMMERCIAL	JANITORIAL & BREAKROOM SUPPLIES	\$136.01	\$1,633.43
	9/15/2022		736313808001		JANITORIAL & BREAKROOM SUPPLIES	\$57.52	
	9/15/2022		736175586701		JANITORIAL & BREAKROOM SUPPLIES	\$1,220.26	
	9/15/2022		736313808002		JANITORIAL & BREAKROOM SUPPLIES	\$219.64	
181768	9/8/2022	130	16396224	APPLEONE EMPLOYMENT SVCS	TEMP LABOR-DZOAN.T , WK END 08/13/22	\$1,609.83	\$1,609.83
181881	9/15/2022		5002	TRUGRIT TRACTION INC	CAMERA PARTS	\$1,590.80	\$1,590.80
181820	9/8/2022	141	60553589	ROBERT HALF INTERNATIONAL INC	TEMP LABOR-PRASAD, J. WK ENDING 08/12/2022	\$1,558.08	\$1,558.08
181788	9/8/2022	111	20220906	AUSTIN FARSAI	EXP REIMB: WEF MEMBERSHIP/WEFTEC REGISTRATION/AIRFARE	\$1,396.20	\$1,396.20
181847	9/15/2022	113	636115	CALTEST ANALYTICAL LABORATORY	16 LAB SAMPLE ANALYSIS	\$1,325.45	\$1,325.45
181770	9/8/2022		18642332	AT&T	SERV: 07/13/22 - 08/12/22	\$43.43	\$952.62
	9/8/2022		18642334		SERV: 07/13/22 - 08/12/22	\$88.70	
	9/8/2022		18642330		SERV: 07/13/22 - 08/12/22	\$753.66	
	9/8/2022		18642333		SERV: 07/13/22 - 08/12/22	\$66.83	
181853	9/15/2022	113	5734629	FISHER SCIENTIFIC	LAB SUPPLIES	\$952.05	\$952.05

**UNION SANITARY DISTRICT  
CHECK REGISTER  
09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
181832	9/8/2022		5456	ZELAYA DESIGNS	USD LOGO BRANDING COLORS	\$260.00	\$926.00
	9/8/2022		5455		USD BUSINESS CARD DESIGN	\$342.00	
	9/8/2022		5454		NEWSLETTER SERVICES	\$324.00	
181773	9/8/2022	136	2522491363	BANK OF NEW YORK	JUL 2022 SERVICE FEES	\$908.36	\$908.36
181793	9/8/2022	122	9396531098	GRAINGER INC	ASTD PARTS & MATERIALS	\$87.43	\$897.99
	9/8/2022	122	9399467209		ASTD PARTS & MATERIALS	\$12.30	
	9/8/2022	170	9394282389		ASTD PARTS & MATERIALS	\$233.30	
	9/8/2022		9395094759		ASTD PARTS & MATERIALS	\$564.96	
181848	9/15/2022	173	6001615491	CANON SOLUTIONS AMERICA INC	MTHLY MAINTENANCE BASED ON USE	\$493.20	\$856.50
	9/15/2022	173	6001616443		MTHLY MAINTENANCE BASED ON USE	\$363.30	
181769	9/8/2022		2591066588	ARAMARK	ASTD DUST MOPS, WET MOPS & TERRY	\$66.06	\$850.01
	9/8/2022		2591066648		UNIFORM LAUNDERING SERVICE	\$473.21	
	9/8/2022		2591066613		UNIFORM LAUNDERING & RUGS	\$310.74	
181830	9/8/2022	113	8810466715	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$91.19	\$723.73
	9/8/2022	113	8810492272		LAB SUPPLIES	\$632.54	
181837	9/15/2022		2591069708	ARAMARK	UNIFORM LAUNDERING SERVICE	\$394.54	\$706.28
	9/15/2022		2591069692		UNIFORM LAUNDERING & RUGS	\$311.74	
181810	9/8/2022	170	2400147436	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$591.48	\$591.48
181834	9/15/2022	111	60150	AIRSCENT INTERNATIONAL	28 GAL DRUM ODOR COUNTERACTANT	\$583.99	\$583.99

**UNION SANITARY DISTRICT  
CHECK REGISTER  
09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
181886	9/15/2022	113	8810499406	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$19.04	\$558.52
	9/15/2022	113	8810496541		LAB SUPPLIES	\$73.12	
	9/15/2022	113	8810546130		LAB SUPPLIES	\$180.57	
	9/15/2022	113	8810539657		LAB SUPPLIES	\$149.87	
	9/15/2022	113	8810540029		LAB SUPPLIES	\$135.92	
181840	9/15/2022	170	511561	AUTO BODY TOOLMART	ASTD PARTS & MATERIALS	\$534.10	\$534.10
181865	9/15/2022	170	482783	LUBRICATION ENGINEERS INC	1 CS INDUSTRIAL LUBRICANT	\$502.44	\$502.44
181867	9/15/2022	170	83652257	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$108.85	\$502.07
	9/15/2022		84363111		ASTD PARTS & MATERIALS	\$333.33	
	9/15/2022	170	81787797		ASTD PARTS & MATERIALS	\$59.89	
181765	9/8/2022		35823	A2Z BAY BUILDERS & PLUMBING	REFUND # 49741	\$500.00	\$500.00
181771	9/8/2022		36852	AVALON ROOTER	REFUND # 49743	\$500.00	\$500.00
181816	9/8/2022		35819	PIPE-THRU PLUMBING	REFUND # 49742	\$500.00	\$500.00
181817	9/8/2022		20916	PROWORKS CONSTRUCTION	REFUND # 49747	\$500.00	\$500.00
181823	9/8/2022		36846	ROOTER HERO	REFUND # 49740	\$500.00	\$500.00
181855	9/15/2022		34787	FRESH AIR MECHANICAL	REFUND # 49751	\$500.00	\$500.00
181877	9/15/2022		35846	ROOTER HERO	REFUND # 49754	\$500.00	\$500.00
181801	9/8/2022	170	50463	KLEEN INDUSTRIAL SERVICES	DISPOSAL OF KLEEN BLAST	\$495.00	\$495.00
181871	9/15/2022	111	282342	PRESTIGE LENS LAB	SAFETY GLASSES - COGGINS	\$423.07	\$423.07

**UNION SANITARY DISTRICT  
CHECK REGISTER  
09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
181838	9/15/2022	141	20220914	ROLLIE ARBOLANTE	RETIREMENT GIFT - 28 YEARS OF SERVICE	\$420.00	\$420.00
181856	9/15/2022	120	4095223501	GLACIER ICE COMPANY INC	192 7-LB BAGS OF ICE	\$401.55	\$401.55
181782	9/8/2022	150	97081	CITYLEAF INC	PLANT MAINTENANCE - AUG 2022	\$361.65	\$361.65
181836	9/15/2022	130	16403715	APPLEONE EMPLOYMENT SVCS	TEMP LABOR-GONZALES, WK END 08/20/22	\$344.32	\$344.32
181835	9/15/2022	150	20220913	SHARON ANDERSON	EXP REIMB: CA NOTARY EXAM CLASS	\$324.28	\$324.28
181812	9/8/2022	120	20220902	SHAWN NESGIS	EXP REIMB: CS TEAM RECOGNITION	\$290.32	\$290.32
181859	9/15/2022		13216779	HACH COMPANY	LABORATORY SUPPLIES	\$290.19	\$290.19
181792	9/8/2022	120	4095221701	GLACIER ICE COMPANY INC	128 7-LB BAGS OF ICE	\$270.20	\$270.20
181862	9/15/2022	173	6064648	INTRADO LIFE & SAFETY INC	E911 ANNUAL SUBSCRIPTION	\$250.00	\$250.00
181841	9/15/2022	141	25862000	BECK'S SHOES	SAFETY SHOES: J. HWANG	\$225.00	\$225.00
181778	9/8/2022		17362510	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$222.43	\$222.43
181797	9/8/2022	132	36463	ICE SAFETY SOLUTIONS INC	FIRST AID KIT & AED SERVICING	\$202.50	\$202.50
181818	9/8/2022	122	27422G	R & S ERECTION OF S ALAMEDA	SERVICE CALL: REPAIR ROLL UP DOOR	\$199.49	\$199.49
181888	9/15/2022	120	20220914	CHRISTOPHER YBARRA-MARTINEZ	EXP REIMB: CWEA GRADE 2 CERTIFICATION	\$195.00	\$195.00
181790	9/8/2022	136	27468	FIELDMAN ROLAPP & ASSOCIATES	FINANCIAL ADVISORY SERVICES	\$185.50	\$185.50
181878	9/15/2022	170	2208204S	SGS NORTH AMERICA INC	9 ANALYSIS	\$172.00	\$172.00
181811	9/8/2022	121	234430	NAYLOR STEEL INC	ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$138.99	\$138.99
181889	9/15/2022	113	2208124	ZALCO LABORATORIES INC	LAB ANALYSIS	\$125.00	\$125.00
181781	9/8/2022	122	328969	CENTERVILLE LOCKSMITH	SERVICE: REKEY CYLINDER	\$110.00	\$110.00

**UNION SANITARY DISTRICT  
CHECK REGISTER  
09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
181869	9/15/2022	144	20220913	ALEXANDER PAREDES	EXP REIMB: FLOWER ARRANGE FOR DUNNING	\$108.59	\$108.59
181844	9/15/2022		17378430	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$61.54	\$106.46
	9/15/2022		17378470		ASTD OFFICE SUPPLIES	\$44.92	
181824	9/8/2022	123	122525937001	SITEONE LANDSCAPE SUPPLY, LLC	1 BULK FILL SAND	\$91.73	\$91.73
181767	9/8/2022	170	4088644120220823	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 08/19/22 - BOYCE ROAD	\$85.86	\$85.86
181819	9/8/2022	171	20220906	LOUIS RIVERA III	EXP REIMB: MILEAGE FOR CALL OUT	\$84.68	\$84.68
181826	9/8/2022	141	435315	ULTRAEX LLC	COURIER SVCS: 1 BOARDMEMBER DELIVERY - 08/03/22	\$56.97	\$56.97
181870	9/15/2022	120	20220913	JOHN POWELL	EXP REIMB: DMV RENEWAL FEE FOR CLASS A	\$51.06	\$51.06
181786	9/8/2022	143	195	DISTINGUISHED VETERAN LLC	NOTARY SERVICES: CENTRIFUGE - NOC	\$40.00	\$40.00
181868	9/15/2022	120	20220914	TYLER MELLO	EXP REIMB: CLASS A CDL	\$39.82	\$39.82
181883	9/15/2022	136	98XW53342	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 08/20/22	\$38.15	\$38.15
181828	9/8/2022	136	98XW53332	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 08/13/22	\$36.00	\$36.00
181805	9/8/2022	132	20220906	NOAH LUNDY	REIMB LIVESCAN PRE-EMPLOYMENT	\$35.42	\$35.42
181808	9/8/2022	122	8423250	MOTION & FLOW CONTROL PRODUCTS	ASTD PARTS & MATERIALS	\$33.78	\$33.78
181822	9/8/2022	122	20220906	JESSICA RODRIGUEZ	EXP REIMB: RECHARTERING MTG SNACKS	\$28.37	\$28.37
181784	9/8/2022	132	20220906	MANUEL DE AVILA DIAZ	REIMB LIVESCAN PRE-EMPLOYMENT	\$25.00	\$25.00
181802	9/8/2022	132	20220907	ROCHA LEE	EXP REIMB: LIVESCAN FEE PRE-EMPLOYMENT	\$25.00	\$25.00
181814	9/8/2022	110	892820220825	PACIFIC GAS AND ELECTRIC	SERV TO 08/18/22 HAYWARD MARSH	\$16.05	\$16.05
181789	9/8/2022	141	785651616	FEDERAL EXPRESS CORPORATION	SHIPPING SERVICE - TSCS	\$3.55	\$3.55

**UNION SANITARY DISTRICT**  
**CHECK REGISTER**  
**09/03/2022-09/16/2022**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
<b>Invoices:</b>					<b>Checks:</b>		
<b>Credit Memos :</b>			<b>0</b>				
<b>\$0 - \$1,000 :</b>			<b>111</b>	<b>34,296.10</b>	<b>\$0 - \$1,000 :</b>	<b>61</b>	<b>21,099.12</b>
<b>\$1,000 - \$10,000 :</b>			<b>67</b>	<b>262,550.86</b>	<b>\$1,000 - \$10,000 :</b>	<b>44</b>	<b>157,400.14</b>
<b>\$10,000 - \$100,000 :</b>			<b>17</b>	<b>541,563.58</b>	<b>\$10,000 - \$100,000 :</b>	<b>17</b>	<b>497,246.98</b>
<b>Over \$100,000 :</b>			<b>3</b>	<b>755,408.25</b>	<b>Over \$100,000 :</b>	<b>4</b>	<b>918,072.55</b>
<b>Total:</b>			<b>198</b>	<b>1,593,818.79</b>	<b>Total:</b>	<b>126</b>	<b>1,593,818.79</b>