



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

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

**Monday, August 14, 2023
Regular Meeting - 4:00 P.M.**

Karen W. Murphy
Attorney

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

- | | |
|-------------|---|
| | 1. Call to Order. |
| | 2. Salute to the Flag. |
| | 3. Roll Call. |
| Motion | 4. Approve Minutes of the Union Sanitary District Board Meeting of July 31, 2023. |
| Motion | 5. Approve Minutes of the Union Sanitary District Special Board Meeting of August 3, 2023. |
| | 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 Authorizing Expenditures from the CIP Reserves for the East Warren Avenue Sanitary Sewer Main Replacement Project <i>(to be reviewed by the Engineering and Information Technology Committee)</i> . |
| Motion | 9. Authorize the General Manager to Execute Contract Change Order No. 2 with Wastewater Solids Management for the Cleaning of Digester No. 6 <i>(to be reviewed by the Engineering and Information Technology Committee)</i> . |
| Direction | 10. Review the District’s Draft Fall 2023 Newsletter and Provide Direction. |
| Information | 11. Solar and Cogeneration Facilities Operational Update <i>(to be reviewed by the Budget & Finance Committee)</i> . |
| Information | 12. Board Expenses for the Fourth Quarter of Fiscal Year 2023 <i>(to be reviewed by the Budget & Finance Committee)</i> . |

- Information 13. Check Register.
-
- Information 14. Committee Meeting Reports. *(No Board action is taken at Committee meetings):*
- a. Budget & Finance Committee – Thursday, August 10, 2023, at 11:30 a.m.
 - Director Kite and Director Handley
 - b. Engineering and Information Technology Committee – Friday, August 11, 2023, at 10:00 a.m.
 - Director Fernandez and Director Toy
 - c. Legal/Community Affairs Committee – will not meet.
 - d. Legislative Committee – will not meet.
 - e. Personnel Committee – will not meet.
-
- Information 15. General Manager’s Report. *(Information on recent issues of interest to the Board).*
-
16. Other Business:
- a. Comments and questions. *Directors can share information relating to District business and are welcome to request information from staff.*
 - b. Scheduling matters for future consideration.
-
17. Adjournment – The Board will adjourn to a Board Workshop to be held in the Boardroom on Thursday, August 17, 2023, at 4:00 p.m.
-
18. Adjournment – The Board will then adjourn to the next Regular Board Meeting to be held in the Boardroom on Monday, August 28, 2023, at 4:00 p.m.
-

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



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

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

AGENDA
Thursday, August 10, 2023
11:30 A.M.

Karen W. Murphy
Attorney

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

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

1. Call to Order

2. Roll Call

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

4. Items to be reviewed for the Regular Board meeting of August 14, 2023:
 - Solar and Cogeneration Facilities Operational Update
 - Board Expenses for the Fourth Quarter of Fiscal Year 2023

5. Adjournment

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

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



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Jennifer Toy

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

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

AGENDA
Friday, August 11, 2023
10:00 A.M.

Karen W. Murphy
Attorney

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

1. Call to Order

2. Roll Call

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

4. Items to be reviewed for the Regular Board meeting of August 14, 2023:
 - Consider Authorizing Expenditures from the FY 24 Reserves for the East Warren Avenue Sanitary Sewer Main Replacement Project
 - Authorize the General Manager to Execute Contract Change Order No. 2 with Wastewater Solids Management for the Cleaning of Digester No. 6

5. Adjournment

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

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

**MINUTES OF THE SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT/UNION SANITARY DISTRICT FINANCING
AUTHORITY
July 31, 2023**

CALL TO ORDER

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

SALUTE TO THE FLAG

President Fernandez led the salute to the flag.

ROLL CALL

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

STAFF: Paul Eldredge, General Manager/District Engineer
Denise Bazzano, District Counsel
Mark Carlson, Business Services Manager/CFO
Jose Rodrigues, Collection Services Manager
Raymond Chau, Technical Services Manager
Alisa Gordon, Human Resources Manager
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager
Chris Pachmayer, Fabrication Maintenance and Construction Coach
Tim Grillo, Research and Support Coach
Richard Thow, Customer Service Coach
Trieu Nguyen, IT Administrator
Gus Carrillo, Enhanced Treatment and Site Upgrade Program Coordinator
Michelle Powell, Communications and Intergovernmental Relations Coordinator
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

**APPROVE MINUTES OF THE UNION SANITARY DISTRICT SPECIAL BOARD
MEETING OF JULY 17, 2023**

It was moved by Director Kite, seconded by Director Lathi, to Approve the Minutes of the Special Board Meeting of July 17, 2023. Motion carried unanimously.

JUNE 2023 MONTHLY OPERATIONS REPORT

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

and Business Services Manager/CFO Carlson provided an overview of the financial reports.

WRITTEN COMMUNICATIONS

There were no written communications.

PUBLIC COMMENT

There was no public comment.

AWARD THE CONTRACT FOR HAZARDOUS MANAGEMENT SERVICES TO AECOM TECHNICAL SERVICES, INC.

This item was reviewed by the Budget & Finance Committee. Fabrication Maintenance and Construction Coach Pachmayer stated a Request for Proposal was issued in February 2023 to solicit bids for Hazardous Materials Management Services, a detailed breakdown of the two bids received was included in the Board meeting packet. Staff recommended the Board award the Hazardous Materials Management Services contract to AECOM Technical Services, Inc. in the amount of \$353,554.65.

It was moved by Director Handley, seconded by Secretary Toy, to Award the Hazardous Materials Management Services Contract to AECOM Technical Services, Inc. in the Amount of \$353,554.65. Motion carried unanimously.

AUTHORIZE THE GENERAL MANAGER TO EXECUTE A FORCE MAIN MAINTENANCE SERVICES AGREEMENT WITH THE EAST BAY DISCHARGERS AUTHORITY

This item was reviewed by the Legal/Community Affairs Committee. General Manager Eldredge stated the East Bay Dischargers Authority (EBDA) approached the District in early 2023 about contracting for preventative maintenance of the EBDA force main between USD and the Oro Loma Effluent Pump Station (OLEPS). The City of San Leandro has been providing these maintenance services but no longer has the resources available. EBDA staff requested shifting the majority of force main preventative maintenance from San Leandro to the District. San Leandro would continue to maintain the force main segment from OLEPS to the San Leandro Effluent Pump Station and the District would perform maintenance on the segment from USD to OLEPS. The EBDA Commission approved the agreement at their meeting held July 20, 2023. Staff recommended the Board authorize the General Manager to execute a force main maintenance agreement with the East Bay Dischargers Authority.

It was moved by Director Lathi, seconded by Secretary Handley, to Authorize the General Manager to Execute a Force Main Maintenance Agreement with the East Bay Dischargers Authority. Motion carried unanimously.

RECEIVE INFORMATION AND PROVIDE DIRECTION REGARDING THE TIME FOR REGULAR MEETINGS OF THE UNION SANITARY DISTRICT BOARD OF DIRECTORS

Executive Assistant to the General Manager/Board Clerk McEvoy stated the Board previously adopted Resolution No. 2928 setting the time and place for holding regular meetings of the Union Sanitary District Board of Directors. The resolution stated the Board would revisit the start time for regular Board meetings six months after returning to in-person meetings. No issues with the 4:00 p.m. had been brought to staff's attention. Staff requested the Board provide direction regarding the time for holding Regular Meetings of the Union Sanitary District Board of Directors.

The Board directed staff to make no changes to the start time for regular Board meetings.

RECEIVE INFORMATION AND PROVIDE DIRECTION ON THE SANITARY SEWER MAIN REPLACEMENT LOCATED ON THE PARCEL AT 800 EAST WARREN AVENUE IN THE CITY OF FREMONT

This item was reviewed by the Engineering and Information Technology Committee. Customer Service Team Coach Thow stated the parcel at 800 East Warren Avenue will be developed for a single-family home. The parcel includes existing easements for a USD sewer main and manhole, City of Fremont storm drain pipeline, and PG&E electrical facilities, in addition to two existing City of Fremont slope easements located on the southwestern portion of the parcel adjacent to the Caltrans right-of-way. The new driveway for the home will be constructed directly over the USD sewer easement. Due to the manhole's location within the parcel in sloped terrain, USD's crews do not drive large vehicles to the manhole. USD staff have been able to clean and CCTV the sewer main from the upstream manhole located in the intersection of East Warren Avenue and Yakima Drive. Staff believes it would be prudent to consider replacing the sewer main before driveway construction in September 2023. Staff outlined options for the Board's future consideration. Staff requested the Board receive information and provide direction regarding sanitary sewer main replacement located on the parcel at 800 East Warren Avenue in the City of Fremont.

The Board directed staff to present an item for the Board's consideration on a future Board meeting agenda.

INFORMATION ITEMS:

Legislative Update on Issues of Interest to the Board

This item was reviewed by the Legislative Committee. General Manager Eldredge and Communications and Intergovernmental Relations Coordinator Powell provided an overview of the legislative update included in the Board meeting packet and responded to questions from Directors.

CAL-Card 4th Quarter Fiscal Year 2023 Activity Report

This item was reviewed by the Budget & Finance Committee. Staff responded to questions regarding the CAL-Card report included in the Board meeting packet.

Check Register

There were no questions regarding the check register.

COMMITTEE MEETING REPORTS:

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

GENERAL MANAGER'S REPORT:

- General Manager Eldredge shared photos and videos from the interior of Digester 6 that were captured during the cleaning process.
- General Manager Eldredge provided an update regarding sewer mains under structures.
- District staff recently attended the Family Health Fair at Washington Hospital. Staff reported the “touch a truck” section of the event was well received.
- General Manager Eldredge provided information regarding the current San Francisco Bay algal bloom.
- A Combined Board Workshop will be held in the Boardroom at 4:00 p.m. on Thursday, August 3, 2023.

OTHER BUSINESS:

There was no other business.

ADJOURNMENT:

The meeting was adjourned at 5:12 p.m. to a Board Workshop to be held in the Boardroom on Thursday, August 3, 2023, at 4:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

TOM HANDLEY
SECRETARY

APPROVED:

MANNY FERNANDEZ
PRESIDENT

Adopted this 14th day of August 2023

**MINUTES OF THE SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
August 3, 2023**

CALL TO ORDER

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

ROLL CALL

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

STAFF: Paul Eldredge, General Manager/District Engineer
Raymond Chau, Technical Services Manager
Alisa Gordon, Human Resources Manager
Ric Pipkin, Enhanced Treatment and Site Upgrade Program
Manager
Curtis Bosick, Capital Improvements Projects Coach
Michelle Powell, Communications and Intergovernmental Relations
Coordinator

PUBLIC COMMENT

There was no public comment.

BOARD WORKSHOP

Capital Improvements Projects Coach Bosick presented the Cogeneration Replacement and Ventilation and Energy Resiliency Studies and responded to questions from Boardmembers.

General Manager Eldredge and Communications and Intergovernmental Relations Coordinator Powell presented the draft newsletter and responded to questions from Boardmembers.

ADJOURNMENT:

The special meeting was adjourned at approximately 6:30 p.m. to the next Regular Board Meeting to be held in the Boardroom on Monday, August 14, 2023, at 4:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

TOM HANDLEY
SECRETARY

APPROVED:

MANNY FERNANDEZ
PRESIDENT

Adopted this 14th day of August, 2023



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Karen W. Murphy
Attorney

**AUGUST 14, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 8**

TITLE: Consider Authorizing Expenditures from the CIP Reserves for the East Warren Avenue Sanitary Sewer Main Replacement Project (*This is a Motion Item*)

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

Recommendation

Consider authorizing expenditures of up to \$267,046 from the CIP reserves for the East Warren Avenue Sanitary Sewer Main Replacement Project (Project).

Discussion

At the July 31, 2023 Board meeting, staff informed the Board of the development of a 3,500 square-foot single family home and attached accessory dwelling unit (ADU) on the parcel at 800 East Warren Avenue in the City of Fremont. The development includes a new driveway that will be constructed directly over the USD sewer easement. USD has an existing sanitary sewer main and sewer manhole located within the sewer easement area. However, the easement allows the property owner to construct a driveway. Please refer to Exhibit A for a site plan of the parcel.

Given that the construction of the driveway will cross the sewer easement and main in two locations, staff thought it would be prudent to consider replacing the sewer main, which consists of 314 feet of 8-inch diameter clay pipe. Even though the pipe is currently in good condition, if USD were to replace it in the future, USD could incur additional costs to repair or replace the driveway, future landscaping, and/or other site improvements located over the easement.

USD explored two options to replace the pipe now:

1. Replace all 314 feet of clay pipe with PVC pipe by open-cut method and backfill over the portion of the new pipe under the driveway with a lean concrete mix to protect the structural integrity of the pipe.

2. Replace the first 145 feet of the clay pipe under the future driveway with PVC pipe by open-cut method and the remaining 169 feet of the clay pipe with HDPE pipe by pipe bursting method. For the portion of the new pipe under the driveway, backfill with a lean concrete mix to protect the structural integrity of the pipe.

The table below summarizes the budgetary construction estimates of replacing the existing pipe before the driveway is constructed.

Description	Estimate
Option No. 1 – Replace 314 feet of clay pipe with PVC pipe by open-cut method	\$190,760
Option No. 2 – Replace 145 feet of clay pipe with PVC pipe by open-cut method and replace 169 feet of clay pipe with HDPE pipe by pipe bursting method	\$177,905

Staff estimates the total project expenditures will be \$267,064, which includes the estimate of replacement Option No. 1 plus 10% for unforeseen conditions and 30% for soft costs.

At the July 31, 2023 Board meeting, the Board directed staff to replace the existing sewer main before the new driveway is constructed. Since these costs were not included in the FY 24 operating or CIP budget, staff recommends the Board consider authorizing expenditures of up to \$267,046 from the CIP reserves for the Project. Staff is not recommending a budget amendment.

If authorized to proceed with the Project expenditures, staff will obtain bids and coordinate the sewer main replacement activities with the owner’s driveway construction. Staff anticipates the work can be completed this fall.

Background

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

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

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

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

City of Fremont Storm Drain Easement

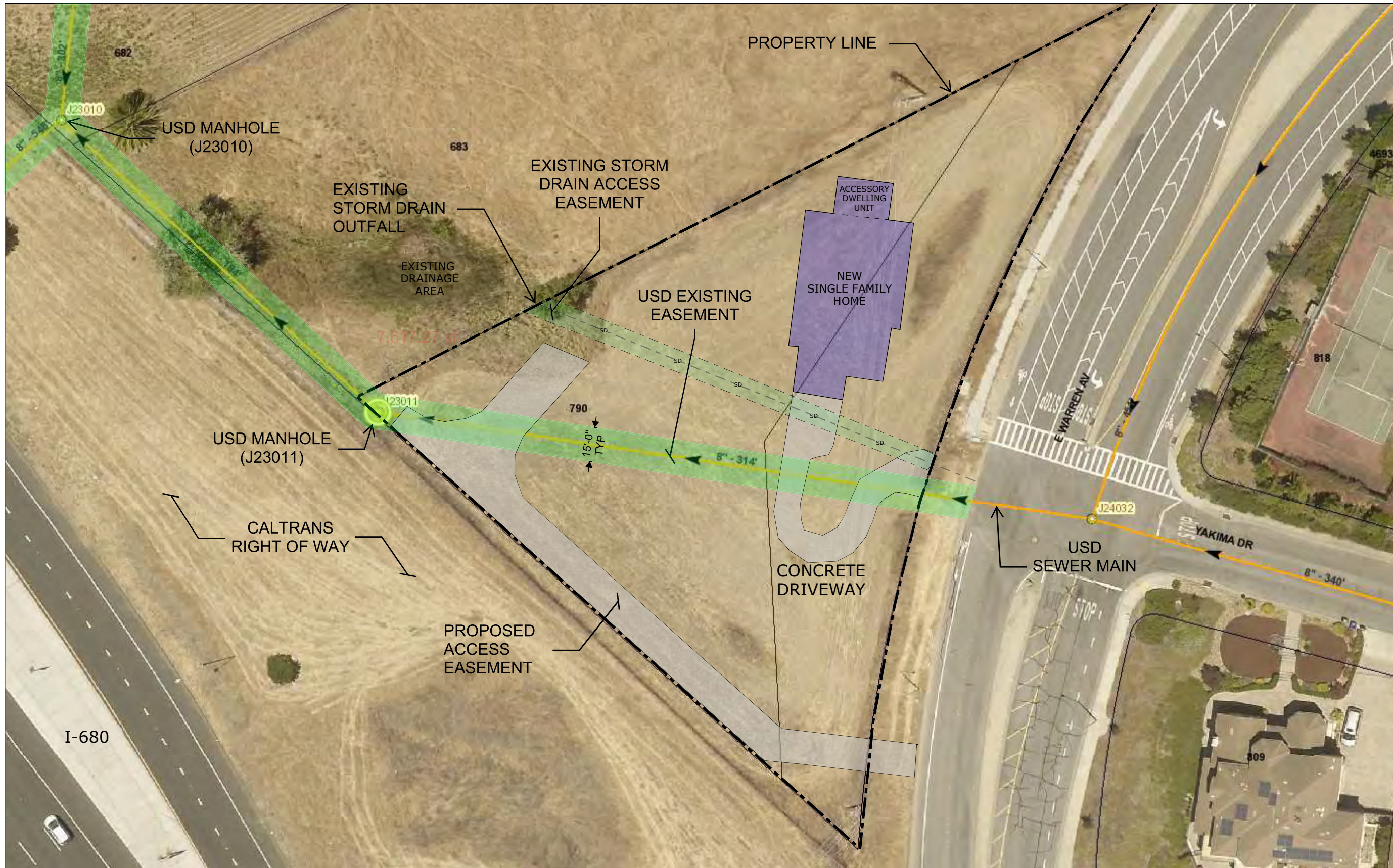
In May 1992, the City of Fremont passed a resolution which mandated that if the parcel were to be developed, the developer/owner would be required to provide an alternative access easement to the City of Fremont to access the existing storm drain outfall located at the northern portion of the parcel.

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

Previous Board Action

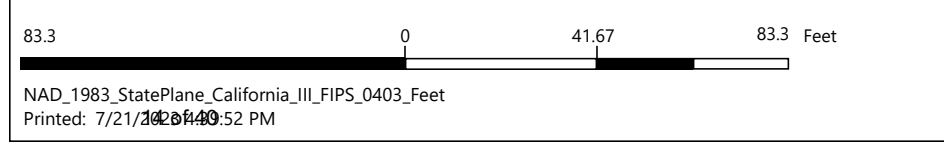
July 31, 2023 – The Board received information and directed staff to replace the sanitary sewer main located on the parcel at 800 East Warren Avenue in the City of Fremont.

Attachments: Exhibit A – Site Plan



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

1: 500



For USD use only

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

Notes
 This map was automatically generated using Geocortex Essentials.



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AUGUST 14, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 9

TITLE: **Authorize the General Manager to Execute Contract Change Order No. 2 with Wastewater Solids Management for the Cleaning of Primary Digester No. 6 Contract. *(This is a Motion Item)***

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

Recommendation

Staff recommends the Board authorize the General Manager to execute Contract Change Order No. 2 with Wastewater Solids Management (Contractor) in the amount up to \$135,000.00 for the Cleaning of Primary Digester No. 6 (Digester).

Discussion

An unusually large accumulation of solids with a high concentration of sand-like material was discovered during the cleaning of Digester No. 6. This unforeseen condition was not expected by Staff based upon previous experience cleaning anaerobic digesters. This unforeseen accumulation of solids was not detected until the volume of sludge was drawn down to expose the digester floor. The Volume of solids to be dewatered and disposed of exceeded the total amount provided for by the Digester cleaning contract which was increased to a total of up to 550 Wet tons under Change Order No. 1. An additional contract change order is needed to provide for completion of the Digester cleaning.

Change Order No. 2 for the Cleaning of Primary Digester No. 6 Contract's scope is to:

- Remove up to an additional 569.47 wet tons of biosolids and residual from the primary digester (1119.47 wet tons total).
- Separate grit, sand, and rags from the sludge and haul and dispose of the residuals.

Background

The Board awarded the contract for the cleaning of Primary Digester No. 6 to Wastewater Solids Management in an amount of \$136,960 on January 23, 2023. The contract provided for the removal of up to 170,000 gallons of primary digested sludge including the dewatering and disposal of up to 350 wet tons of residuals.

Despite the best effort of Staff to dewater the digester to the volume identified in the contract, Staff was unable to do so with conventional pumping equipment. Change Order No. 1 was authorized to provide for the dewatering of an additional 100,000 gallons of digested sludge and the separation, dewatering, and disposal of up to an additional 200 wet tons of residuals (550 wet tons of residuals). However, as the digester level was drawn down it became apparent that there was an unusually large accumulation of solids and sand-like material in the bottom of the Digester that needed to be removed. Change Order No. 2 will provide for the removal, dewatering and disposal of up to an additional 569.47 wet tons of grit sand and biosolids (1119.47 total wet tons) to complete the Digester cleaning project.

The following is a summary of contract change orders:

Change Order No.	Change in Contract Scope	Cost of Change
1	Dewater of an additional 100,000 gallons of digested sludge. Dewater and dispose of up to an additional 200 wet tons of residuals (550 wet tons total)	\$100,000
2	Remove dewater and dispose of up to an additional 569.47 wet ton of residuals (1119.47 wet tons total)	\$135,000
	Total	\$235,000

The total contract amount includes contract Change Order No. 1 and Change Order No. 2 of \$371,960.00 is still less than the base bid of the other two original bidders.

The table below is a summary of proposals received from responsive and responsible bidders for the Digester cleaning contract in December 2022.

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

Previous Board Action

January 23, 2023 – The Board awarded the Contract for the Cleaning of Primary Digester No. 6 to Wastewater Solids Management for a total of \$136,960.00 to dewater approximately 170,000 gallons of primary digested sludge.

June 26, 2023 – The Board authorized the General Manager to execute Contract Change Order No. 1 in the amount of up to \$100,000.00 with Wastewater Solids Management for the cleaning of Digester No. 6 and the removal of an additional 100,000 gallons of sludge and up to 550 wet tons of residuals.



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**AUGUST 14, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 10**

TITLE: Review the District's Draft Fall 2023 Newsletter and Provide Direction
(This is a Direction Item)

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Michelle Powell, Communications & Intergovernmental Relations Coordinator

Recommendation

Staff recommends the Board review the Draft Fall 2023 Newsletter and provide direction.

Discussion

At its April 10, 2023 meeting, the Board discussed potential content topics for the District's Fall 2023 newsletter and provided direction. Staff incorporated feedback received to develop a draft newsletter for review.

Background

At the Board's direction, the District began use of a new design for its newsletter with the Autumn 2017 issue. The design template consists of 80-pound cover-weight paper folded to 8.5 x 11 and individually addressed with no tabs. The District's new branding was incorporated into the template with the Fall 2022 newsletter.

Previous Board Action

April 10, 2023, the Board received potential content topics for the District' Fall 2023 newsletter and provided direction.

April 25, 2022, the Board awarded the service contract for printing and mailing of USD's annual newsletter to Fong and Fong Printers and Lithographers for fiscal years 2023, 2024, and 2025 with the option to renew for two additional years.

April 11, 2022, the Board provided feedback regarding topics to be included in the Fall 2022 newsletter.

April 26, 2021, the Board reviewed and provided feedback on content topics for the District's Fall 2021 Newsletter and extension of the District's printing services contract for its final year.

June 8, 2020, the Board received potential content topics for the District's Autumn 2020 newsletter and provided direction.

June 10, 2019, the Board received potential content topics for the District's Autumn 2019 newsletter and provided direction.

June 4, 2018, the Board received potential content topics for the District's Autumn 2018 Newsletter and provided direction.

July 24, 2017, the Board awarded the multi-year service contract for printing and mailing of the District's Annual Newsletter.

April 10, 2017, the Board selected the District's Autumn 2017 newsletter design, requested a multi-year contract for printing services, and provided direction regarding potential content topics.

March 28, 2016, the Board considered and provided direction regarding proposed content for the Spring 2016 newsletter.

Attachment: Fall 2023 draft newsletter



SUPPORTING A HEALTHY BAY:

USD'S ETSU PROJECTS ADVANCE

Last summer's algal bloom in San Francisco Bay has increased public awareness about possible contributors to these occurrences. Although the trigger for that specific event is not known, nutrients in water bodies such as nitrogen, phosphorus, and ammonia have been a nationwide concern for many years. The Bay has a long history of high nutrient levels, but tidal action, high turbidity, and other factors have historically reduced impacts. Now there is concern the Bay could reach a tipping point that would affect its health.

Nutrients are naturally occurring compounds that may cause algae to grow faster than ecosystems can handle, leading to adverse impacts to water quality, food resources, and habitats as well as to decreases in oxygen that fish and aquatic life need to survive.

While nutrients are just one potential contributor to algal blooms, USD is one of 37 regional wastewater agencies participating in scientific research to increase understanding of how nutrient levels impact the water quality of the Bay. The State's Regional Water Board and the U.S. Environmental Protection Agency will use the research to develop nutrient management policies. New nutrient reduction regulations at wastewater treatment plants are expected in the near future.

USD's Enhanced Treatment and Site Upgrade Program (ETSU) Phase 1A is currently under construction and includes projects that reduce nutrients. The ETSU Program also updates aging infrastructure and provides resiliency to sea-level rise and extreme wet-weather events at our Union City treatment facility. These improvements will help to support the next 40 years of reliable, cost-effective service to the Tri-Cities.

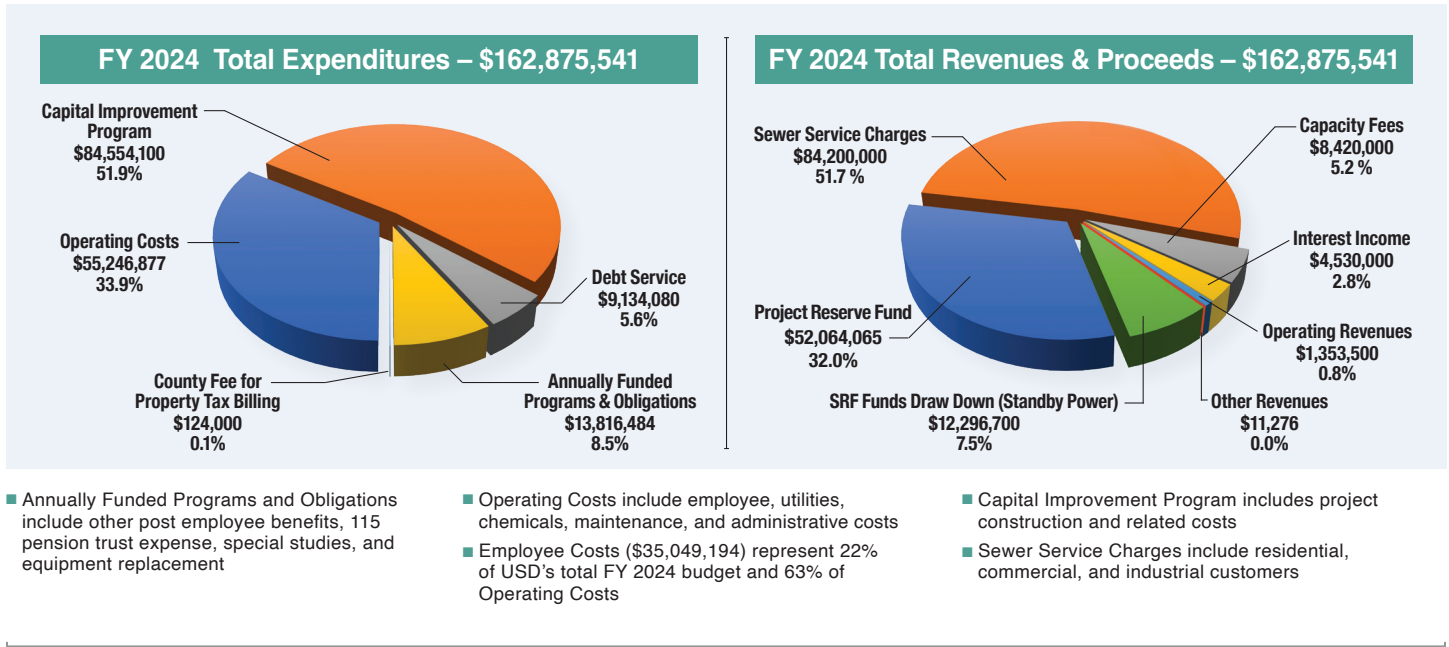


USD's ETSU Aeration Basins Modifications project will reduce nutrients in SF Bay

Want to know more about the ETSU program and USD's work to reduce nutrients in treated wastewater? View an animated "flyover" video illustrating the entire Phase 1 program on our website: unionsanitary.ca.gov/etsu.

BUDGET IN BRIEF

USD provides wastewater collection, treatment, and disposal services to residents, businesses, and industries in the Tri-Cities. The District manages 839 miles of sewer lines, seven pump stations, and the buildings and equipment at the 33-acre treatment plant. Through careful fiscal planning, we safeguard these public assets to ensure responsible maintenance and reliable service to customers at the lowest feasible rates.



COURTESY RATE ADJUSTMENT NOTICE:

FISCAL YEAR 2024 SEWER SERVICE RATES

On May 11, 2020, the District's Board of Directors held a public hearing and adopted Ordinance 31.40, which established sewer service charges for Fiscal Years 2021 through 2025. Prior to the public hearing, the District participated in a public workshop and mailed a notice of the public hearing and informational brochure to all property owners in the service area.

Annual sewer service charges are collected on the Alameda County property tax roll. The charges appear on the tax statement as a single line item and are listed as "Union Sewer Svc." Sewer service charges are not a property tax and are not related to the assessed value of a property. They represent a charge for a service provided. The District includes the annual charges on property tax statements to save the administrative cost of generating and mailing separate invoices.

	Last Year's Rate FY 2023	This Year's Rate FY 2024
Residential (\$ per Dwelling Unit)		
Single Family Residences (per Unit)	\$530.21	\$569.97
*Multiple Family Residences (per Unit)	\$467.24	\$502.28
Commercial (\$ per 1,000 gals)		
Strong	\$14.61	\$15.71
Moderate	\$7.07	\$7.60
Weak	\$5.93	\$6.37
Fast-Food Restaurant	\$14.72	\$15.83
Full-Service Restaurant	\$14.74	\$15.85
Industrial		
Volume (\$/1,000 gals)	\$3.48	\$3.74
COD (\$/1,000 lbs)	\$395.26	\$424.91
Suspended Solids (\$/1,000 lbs)	\$1,061.30	\$1,140.90
Minimum Charge for non-residential customers	\$467.24	\$502.28

*Examples of multiple family residential dwelling units include condominiums, townhomes, and apartments

USD's Fiscal Year is defined as July 1 through June 30

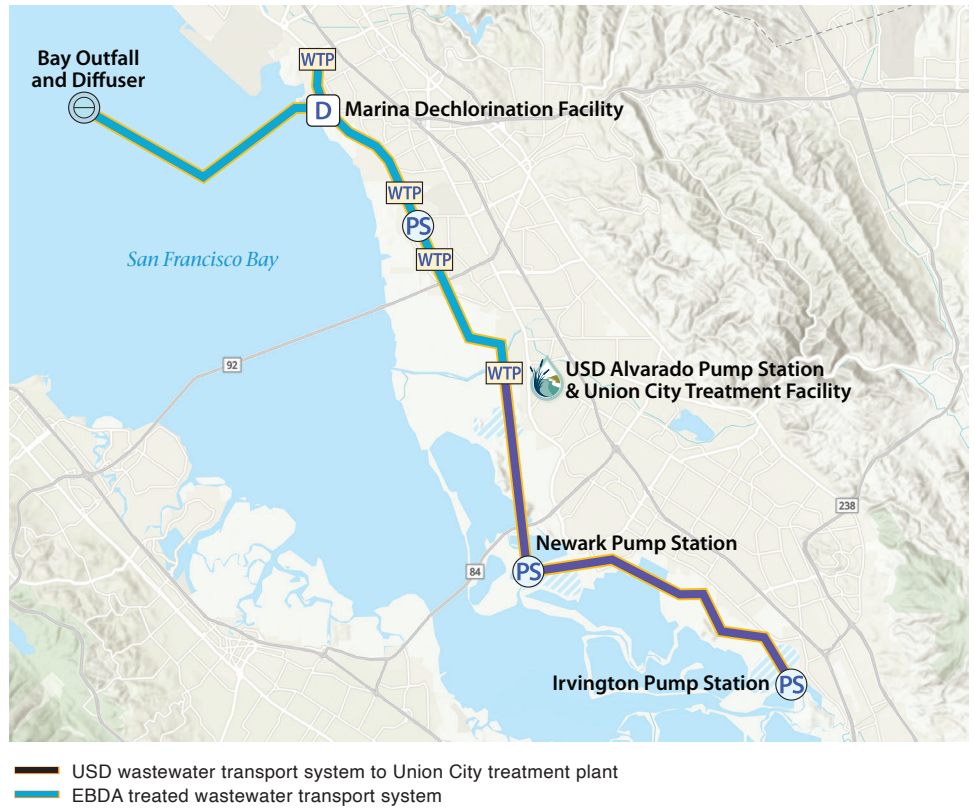
The adjacent table depicts last year's rates and the new rates for FY 2024. If you have any questions, call the District at (510) 477-7500 or email: rates@unionsanitary.ca.gov.

EAST BAY DISCHARGERS AUTHORITY: REGIONAL PARTNERS PROTECT THE BAY

Many years ago, USD had three wastewater treatment plants: Irvington (in south Fremont), Newark, and Alvarado in Union City. The Irvington and Newark plants disposed of treated wastewater in the Bay south of the Dumbarton bridge, as did several other agencies in the region. Amendments to the Clean Water Act in 1972 led the U.S. Environmental Protection Agency (EPA) to determine the Bay was too shallow in many areas to receive wastewater at the level of treatment that was widespread at that time.

USD teamed up with East Bay sanitary districts and cities to explore solutions, forming the East Bay Dischargers Authority (EBDA). This is where the concept of a shared large-diameter line that would discharge treated wastewater further offshore and in deeper waters of the Bay was developed.

Twin pressurized lines called Force Mains and three large pump stations were completed in 1980 to transport wastewater from the Irvington and Newark



locations to the Alvarado Treatment Plant, where it is treated and sent to the much larger EBDA line. USD's treated wastewater is joined by the discharges of our EBDA partners as it travels north underground near the East Bay's edge. The combined discharges undergo a final process that removes chlorine

to protect marine life, then travel about seven miles into a deeper shipping channel in the Bay where they are dispersed through a diffuser. All EBDA members contribute to the cost of operating and maintaining EBDA facilities to meet the wastewater needs of customers and protect San Francisco Bay.

DID YOU KNOW?

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

Cooking oils, shortening, salad dressings, and other FOG can clog your lateral and cause messy backups into your home, onto streets, and down storm drains, where they can reach local creeks and the Bay. WIPE IT, SCRAPE IT, AND COMPOST IT instead: Wipe cooled pans with a paper towel or scrape solidified grease into a compostable container, then place these in your compost or green bin. Take large amounts of used cooking oil in plastic bottles with caps to drop off at Republic Services, 42600 Boyce Road in Fremont during business hours.

Questions?
Contact USD



Want to know more about the subjects in this newsletter? Use this QR code to find more detailed information on our website. Have a comment, question, or subject you'd like to see covered? Please email us at contactusd@unionsanitary.ca.gov



USD

TRI-CITY WASTEWATER

5072 Benson Road
Union City, CA
94587-2508

PRESORTED
STANDARD
US POSTAGE
PAID
SACRAMENTO, CA
PERMIT NO 604

ECR WSS

SEWER LATERAL QUESTIONS? WATCH OUR VIDEO

- **View useful information for property owners**, including tips for contacting USD if you think you have a sewer problem, researching a licensed, insured drain cleaning company or plumber, actions you can take to keep your sewer lateral healthy, and more. Check it out at unionsanitary.ca.gov/lateral-video.
- **Your sewer lateral is a pipe that connects the plumbing system in your residence or business to USD's main sewer line. Property owners are responsible for maintenance, repair, or replacement of their entire sewer lateral up to its connection to USD's main line.** This includes portions located under sidewalks and streets (see exhibit below).
- **Do's and Don'ts for a Healthy Lateral:** Only human waste, soaps, toilet paper, food ground in a garbage disposal, household cleaning products, and over-the-counter drain cleaners should go into your sewer line. Keep wipes, paper towels, tissues, fats, oils, grease, medicines, and toxic chemicals out of your lateral.
- **If a problem is found in your lateral, before any work begins, a USD repair permit is required** (even for repairs on private property). Call (510) 477-7500 for more information.

BOARD OF DIRECTORS

Manny Fernandez , <i>President</i> Union City	Pat Kite Newark
Jennifer Toy , <i>Vice-President</i> Fremont	Anjali Lathi Fremont
Tom Handley , <i>Secretary</i> Fremont	

EXECUTIVE MANAGEMENT

Paul Eldredge
General Manager

Mark Carlson
CFO/Business Services Manager

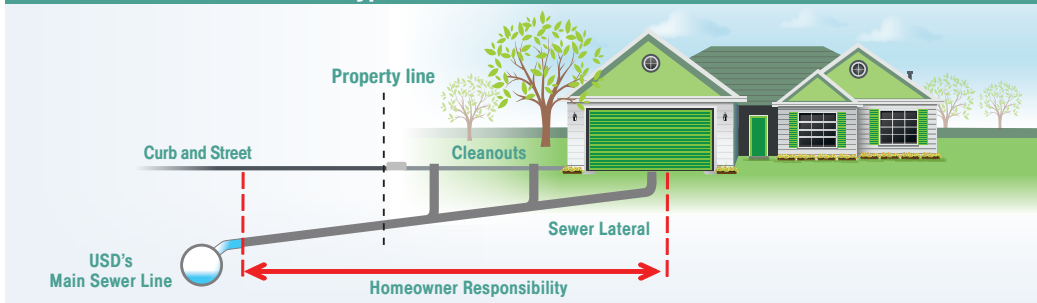
Raymond Chau
Technical Services Manager

Armando Lopez
Treatment & Disposal Services Manager

Jose Rodrigues, Jr.
Collection Services Manager

Robert Simonich
Maintenance & Technology Services Manager

Typical Residential Sewer Lateral



From USD's Lateral Video



For more tips about keeping your lateral healthy, check our website at www.unionsanitary.ca.gov or call us at (510) 477-7500.

UNION SANITARY DISTRICT'S MISSION:

To safely and responsibly collect and treat wastewater, and to recover resources from process waste streams, while protecting human health and improving the environment in a way that benefits the Tri-Cities and all USD stakeholders.



USD TREAT
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TRI-CITY WASTEWATER

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Jennifer Toy

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Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**AUGUST 14, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 11**

TITLE: **Solar and Cogeneration Facilities Operational Update (*This is an Information Item*)**

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

Recommendation

This is an information item.

Discussion

Alvarado Wastewater Treatment Plant Solar Carport

Since startup in September 2011 through June 30, 2023, the Solar Carport facility has generated a total of 2,374,651 kWh of power, which equates to \$482,894 in energy savings at the Plant. Additionally, the District received \$276,030 or approximately 109% of the estimated CSI incentive rebate from PG&E. The total benefit of the Solar Carport is \$758,923, which represents 85.3% of simple payback for the initial construction and ongoing maintenance costs of the facility.

Irvington Pump Station Solar Facility

Since startup in April 2012 through June 30, 2023, the solar facility has generated a total of 9,057,036 kWh of power, which equates to \$3,169,073 in energy savings at the Irvington Pump Station. Additionally, the District received \$680,632 or 109% of the estimated CSI incentive rebate from PG&E. The total benefit of the solar facility is \$3,849,705, which represents 134.3% of simple payback for the initial construction and ongoing maintenance costs of the facility.

Cogeneration Facility

Since startup in November 2014 through June 30, 2023, the facility has generated a total of 93,603,260 kWh of power, which equates to approximately \$9,881,527 in energy savings at the Plant. Additionally, the District received \$3,114,556 or 92.1% of the SGIP incentive rebate from PG&E. The total benefit of the cogeneration facility is \$12,996,082, which represents 85% of simple payback for the initial construction and maintenance costs of the facility.

USD labor and equipment costs have not been factored into the maintenance costs of these facilities. The rationale is that no personnel or equipment has been acquired specifically for the maintenance and the work has been accommodated to date with existing resources.

Staff will provide the Board with an operational update of the solar and cogeneration facilities on a semi-annual basis. The attached Table 1 summarizes the operational data that was discussed in this update.

Background

Alvarado Wastewater Treatment Plant Solar Carport

The District completed construction of the solar carport facility located at the Alvarado Wastewater Treatment Plant at a cost of \$884,000 and began operation in September 2011. The original system consisted of 637 solar panels and was rated at 125 kilowatt (kW). The system rating was based on the California Energy Commission's calculation that accounted for the number of panels, the rating of each panel, and the inverter efficiency.

In February 2020, as part of the construction of the Primary Digester No. 7 Project, the western portion of the solar carport facility was demolished to allow for the construction of the digester. This resulted in the removal of 195 solar panels from the solar carport facility. The current system consists of 442 solar panels and is rated at 86 kW.

The District applied for the California Solar Initiative (CSI) incentive that would rebate \$0.2568 per kilowatt-hour (kWh) of power generated by the system for a period of five years from September 2011 through August 2016. PG&E, the administrator of the CSI program, approved an estimated incentive amount of \$252,850. In September 2016, the District received its final CSI incentive disbursement.

Irvington Pump Station Solar Facility

The District completed construction of the solar facility located at the Irvington Pump Station at a cost of \$2.85 million and began operation in April 2012. The system consists of 1,680 solar panels and is rated at 408 kW.

The District applied for the CSI incentive that would rebate \$0.15 per kWh of power generated by the system for a period of five years from June 2012 through May 2017. PG&E approved an

estimated incentive amount of \$623,370. In February 2017, the District received its final CSI incentive disbursement.

Cogeneration Facility

The District completed construction of the Cogeneration Facility located at the Alvarado Wastewater Treatment Plant at a construction cost of \$11.8 million and the facility was fully operational in late November 2014. The facility consists of two 850-kW biogas-fueled engine generators and a packaged biogas conditioning system.

The District applied for the Self-Generation Incentive Program (SGIP) that provides financial incentives for the installation of new, qualifying self-generation equipment installed to meet all or a portion of the electric energy needs of a facility. PG&E, the administrator of the SGIP in Northern California, approved the District's application for a maximum rebate of \$3.38 million. The District received half of the total rebate from PG&E in 2015 upon successful operational testing of the facility. The other half was paid to the District annually over the next five years and was dependent on the actual electric energy generated by the facility and the actual amount of engine and exhaust heat recovered and utilized to heat the biosolids in the primary digesters. In June 2020, the District received its final SGIP incentive disbursement.

Previous Board Action

None.

Attachment: Table 1 – Solar and Cogeneration Facilities Operational Data

Union Sanitary District
Table 1 - Solar and Cogeneration Facilities Operational Data

Facility	System Rating ¹ (kW)	Energy Generated This Period ² (kWh)	Total Energy Generated To Date (kWh)	Value of Energy Generated To Date (\$)	Rebates Received To Date (\$)	Total Received or Generated (\$)	Construction Cost (\$)	Maintenance Costs To Date ⁴ (\$)	Total Costs Incurred To Date (\$)	Simple Payback To Date (%)	Simple Payback Term (Years)	Original Payback Term ⁵ (Years)	Comments
Alvarado WWTP Solar Carport ⁶	86	65,095	2,374,651	482,894	276,030	758,923	884,000	6,225	890,225	85.3%	14.7		System began operation in September 2011. Values are current through June 30, 2023.
Irvington Pump Station Solar Facility	408	351,306	9,057,036	3,169,073	680,632	3,849,705	2,850,000	17,234	2,867,234	134.3%	8.4	10.0	System began operation in April 2012. Values are current through June 30, 2023.
Cogeneration Facility ³	1,700	6,081,204	93,603,260	9,881,527	3,114,556	12,996,082	11,800,000	3,497,575	15,297,575	85.0%	12.1	8.9	System began operation in late November 2014. Values are current through June 30, 2023.

1) System Rating for the solar facilities is based on the number of panels, the rating of each panel, and the inverter efficiency.

2) Period is from January 2023 through June 2023.

3) The cogeneration equipment consists of two 850-kW engine generators.

4) Maintenance costs do not include USD labor or equipment costs.

5) Original payback terms for the Irvington Pump Station Solar Facility and Cogeneration Facility were calculated during the design phase. A payback period was not calculated for the Alvarado WWTP Solar Carport at the time the project was designed.

6) Due to the construction of Primary Digester No. 7, the number of panels at the Alvarado WWTP Solar Carport was reduced from 637 to 442, and the system rating was reduced from 125 kW to 86 kW in February 2020.



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Karen W. Murphy
Attorney

**AUGUST 14, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM #12**

TITLE: **Board Expenses for 4th Quarter of Fiscal Year 2023 (*This is an Information Item*)**

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

Recommendation

Information only.

Previous Board Action

None

Background

Please see attached the Board of Directors Quarterly Travel and Training Expenditure Report for the 4th quarter of Fiscal Year 2023.

BOARD OF DIRECTORS
QUARTERLY TRAVEL AND TRAINING EXPENDITURE REPORT
4TH QTR, FISCAL YEAR 2023

Board Members	Description	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Beginning Balance	Y-T-D Expense	Balance Available
FERNANDEZ, MANNY								
	TOTAL	0.00	0.00	0.00	0.00	5000.00	0.00	5000.00
HANDLEY, TOM								
	CASA Conference Registration	625.00						
	CASA Conference: Lodging	905.43						
	CASA Conference: Mileage	221.25						
	CASA Conference: Per Diem	207.00						
	State of the County Breakfast		45.00					
	State of the Economy				50.00			
	Fremont State of the City Breakfast				45.00			
	TOTAL	1,958.68	45.00	0.00	95.00	5000.00	2,098.68	2901.32
HARRISON, JENNIFER								
	State of the Economy				50.00			
	TOTAL	0.00	0.00	0.00	50.00	5000.00	50.00	4950.00
KITE, PAT								
	Lorman All Access Education Pass			559.20				
	State of the Economy				50.00			
	TOTAL	0.00	0.00	559.20	50.00	5000.00	609.20	4390.80
LATHI, ANJALI								
	State of the County Breakfast		45.00					
	CWEA Membership			202.00				
	Fremont State of the City Breakfast				45.00			
	TOTAL	0.00	45.00	202.00	45.00	5000.00	292.00	4708.00
	GRAND TOTAL	1,958.68	90.00	761.20	240.00	25000.00	3,049.88	21950.12

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

**UNION SANITARY DISTRICT
CHECK REGISTER
07/22/2023-08/04/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
184873	8/3/2023	143	800452.14	CLARK CONSTRUCTION GROUP CA LP	STANDBY POWER SYSTEM UPGRADE	\$3,202,803.45	\$3,202,803.45
184855	7/27/2023	114	800545.8	ZOVICH CONSTRUCTION	CAMPUS BUILDINGS (ADMIN, FMC, OPS)	\$2,492,607.54	\$2,492,607.54
184820	7/27/2023	110	3370	EAST BAY DISCHARGERS AUTHORITY	RNWL & REPL FUND ASSES FY24	\$366,000.00	\$1,209,085.50
	7/27/2023	110	3375		O&M ASSESSMENT, JUL-DEC 2023	\$843,085.50	
184808	7/27/2023		6983	CAL SANITATION RISK MNGT AUTH	WC PAYROLL AUDIT 7/1/22 - 7/1/23	\$114,940.50	\$833,587.63
	7/27/2023		7161		POOLED LIABILITY INSURANCE: 12/31/2023-12/30/2024	\$360,830.00	
	7/27/2023		7217		07/1/23 - 07/1/24 PROPERTY INSURANCE RENEWAL	\$357,817.13	
184888	8/3/2023	114	2011800429	HAZEN AND SAWYER	ETSU PHASE 1B PROJECT	\$132,932.02	\$389,212.94
	8/3/2023	114	2011801016		MP - AERATION BASIN MODIFICATIONS	\$97,283.00	
	8/3/2023	114	2011801111		CAMPUS BUILDINGS (ADMIN, FMC, OPS)	\$155,547.92	
	8/3/2023	143	201180121		PRIMARY DIGESTER NO. 6 REHABILITATION	\$3,450.00	
184899	8/3/2023	143	197931	PSOMAS CORP	STANDBY POWER SYSTEM UPGRADE	\$55,928.65	\$312,333.80
	8/3/2023	143	197935		PLANT MISCELLANEOUS IMPROVEMENTS	\$4,416.00	
	8/3/2023	114	197965		AERATION BASIN MODIFICATIONS (0532) &	\$251,989.15	
184856	7/27/2023	114	800545.8E	ZOVICH CONSTRUCTION	CAMPUS BUILDINGS (ADMIN, FMC, OPS) -	\$131,189.87	\$131,189.87
184818	7/27/2023		20230801	SOL COOPER	PER APPROVED AGREEMENT	\$129,342.86	\$129,342.86

**UNION SANITARY DISTRICT
CHECK REGISTER
07/22/2023-08/04/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
184851	7/27/2023	110	470012722	USP TECHNOLOGIES	4474 GALS HYDROGEN PEROXIDE	\$20,625.14	\$77,083.81
	7/27/2023	110	470012792		2597 GALS HYDROGEN PEROXIDE	\$11,972.17	
	7/27/2023	110	470012793		1452 GALS HYDROGEN PEROXIDE	\$6,693.72	
	7/27/2023	110	470012795		2827 GALS HYDROGEN PEROXIDE	\$13,032.47	
	7/27/2023	110	470012797		2737 GALS HYDROGEN PEROXIDE	\$12,617.57	
	7/27/2023	110	470012799		2634 GALS HYDROGEN PEROXIDE	\$12,142.74	
184872	8/3/2023	173	17637	CDW GOVERNMENT LLC	1 SURFACE PRO TABLET	\$1,947.89	\$31,568.22
	8/3/2023	173	31885		BLUEBEAM SUBSCRIPTION	\$4,297.59	
	8/3/2023	173	67851		5 SURFACE PRO TABLETS	\$9,739.50	
	8/3/2023	173	74905		8 SURFACE PRO TABLETS	\$15,583.24	
184870	8/3/2023	143	38426	CAROLLO ENGINEERS	WAS THICKENERS	\$19,169.15	\$19,169.15
184913	8/3/2023	110	470012707	USP TECHNOLOGIES	4124 GALS HYDROGEN PEROXIDE	\$19,011.64	\$19,011.64
184811	7/27/2023	143	38203	CAROLLO ENGINEERS	PLANT MISCELLANEOUS IMPROVEMENTS	\$15,684.72	\$18,460.13
	7/27/2023	143	38346		PRIMARY DIGESTER NO. 8 FEASIBILITY STUDY	\$2,775.41	
184890	8/3/2023	110	9017797039	KEMIRA WATER SOLUTIONS INC	43,560 LBS FERROUS CHLORIDE	\$9,819.37	\$17,056.19
	8/3/2023	110	9017797464		37,760 LBS FERROUS CHLORIDE	\$7,236.82	
184849	7/27/2023	110	51280519	UNIVAR SOLUTIONS USA INC	4897.8 GALS SODIUM HYPOCHLORITE	\$7,768.74	\$15,622.33
	7/27/2023	110	51284536		4951.3 GALS SODIUM HYPOCHLORITE	\$7,853.59	
184806	7/27/2023	143	1401123	BLACK & VEATCH CORPORATION	ENERGY RESILIENCY STUDY	\$15,263.22	\$15,263.22

**UNION SANITARY DISTRICT
CHECK REGISTER
07/22/2023-08/04/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
184891	8/3/2023	173	12064032	KRONOS SAASHR INC	UKG READY SETUP FEE	\$13,500.00	\$13,500.00
184877	8/3/2023		96149	E3 SPARK PLUGS	16 SPARK PLUGS	\$9,312.48	\$9,312.48
184857	8/3/2023	110	4071036120230721	ALAMEDA COUNTY WATER DISTRICT	SERV TO:07/19/23-BENSON ROAD	\$8,067.82	\$9,032.62
	8/3/2023	110	4071037120230720		SERV TO: 07/19/23-BENSON ROAD	\$796.59	
	8/3/2023	110	4071038120230721		SERV TO: 07/21/23-BENSON ROAD	\$168.21	
184794	7/27/2023	170	2000774897	AECOM TECHNICAL SERVICES INC	HAZMAT CONSULTING SERVICES	\$8,978.65	\$8,978.65
184804	7/27/2023	150	1306	BAYWORK	ANNUAL FEE - 2023/2024 ANNUAL FEE	\$8,500.00	\$8,500.00
184842	7/27/2023	130	13796175	PFM ASSET MANAGEMENT LLC	INVESTMENT MANAGEMENT / ADVISORY SERVICES	\$8,480.86	\$8,480.86
184796	7/27/2023	170	4017274120230710	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 07/07/23 - FREMONT BLVD	\$5,919.87	\$7,040.67
	7/27/2023	170	4017275220230710		SERV TO: 07/07/23 - FREMONT BLVD	\$1,054.72	
	7/27/2023	170	4017420220230710		SERV TO: 07/06/23 - FREMONT BLVD	\$66.08	
184824	7/27/2023	170	251631	FRANK A OLSEN COMPANY	1 PLUG	\$6,977.25	\$6,977.25
184853	7/27/2023	123	51876	WECO INDUSTRIES LLC	REPAIR CCTV TRANSPORTER	\$5,951.71	\$5,951.71
184875	8/3/2023	170	202415	CORE & MAIN LP	SUPERNANT DRAIN DOUBLE WYE	\$5,947.28	\$5,947.28
184829	7/27/2023	130	9720366	HF&H CONSULTANTS, LLC	SEWER RATE MODELING	\$5,742.50	\$5,742.50
184800	7/27/2023		17689	APGN INC	200 FILTERS	\$5,124.10	\$5,124.10
184879	8/3/2023	132	12620	ESKILL CORPORATION	ONLINE TESTING SUBSCRIPTION	\$5,120.00	\$5,120.00
184882	8/3/2023	173	366	FORMULA DESIGN	PUBLIC WEBSITE CMS MIGRATION	\$5,000.00	\$5,000.00
184866	8/3/2023		B09PPW	BENEFIT COORDINATORS CORP	DELTA DENTAL AND VSP STMT - AUG 2023	\$3,729.20	\$3,729.20

**UNION SANITARY DISTRICT
CHECK REGISTER
07/22/2023-08/04/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
184807	7/27/2023	121	354192	BRENNTAG PACIFIC INC	3828 LBS SODIUM HYDROXIDE	\$3,209.37	\$3,209.37
184900	8/3/2023	141	20230724	QUADIENT INC	POSTAGE BY PHONE - TMS 8060344	\$3,000.00	\$3,000.00
184914	8/3/2023		9940134575	VERIZON WIRELESS	WIRELESS SERV 06/21/23-07/20/23	\$2,781.62	\$2,781.62
184905	8/3/2023	110	23062321	S&S TRUCKING	GRIT HAULING 06/20, 6/23 AND 06/27/2023	\$2,737.93	\$2,737.93
184846	7/27/2023	110	11170	SENESTECH, INC.	RAT CONTROL 2-MONTH SUPPLY	\$2,266.89	\$2,266.89
184867	8/3/2023	170	39037	BIGGE CRANE & RIGGING CO	CRANE SERVICES	\$2,259.40	\$2,259.40
184889	8/3/2023	143	2011800918	HAZEN AND SAWYER	HEADWORKS DEGRITTING STUDY	\$2,215.00	\$2,215.00
184915	8/3/2023	113	8813425720	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$1,244.14	\$2,202.53
	8/3/2023	113	8813452626		LAB SUPPLIES	\$267.33	
	8/3/2023	113	8813452628		LAB SUPPLIES	\$691.06	
184883	8/3/2023	143	329566	CITY OF FREMONT	PERMIT: IRVINGTON BASIN RCP REHABILITATION	\$2,101.86	\$2,101.86
184799	7/27/2023	121	17325	AMERICAN DISCOUNT SECURITY	06/01/23 - 06/30/23 GUARD AT DISTRICT	\$2,069.55	\$2,069.55
184845	7/27/2023	173	20230724	RICHARD SCOBEE	EXP REIMB: ESRI USER CONF 2023-LODGIN,PER DIEM, SHUTTL	\$2,023.45	\$2,023.45
184816	7/27/2023		176961787	COLORADO WASHINGTON INC COMCAS	FIBER INTERNET BACKUP - JUL 2023	\$2,010.71	\$2,010.71
184878	8/3/2023	173	Y923275	ENVIROSIM ASSOCIATES LTD	BIOWIN SUPPORT AND MAINTENANCE	\$2,000.00	\$2,000.00
184812	7/27/2023	173	67686	CDW GOVERNMENT LLC	1 SURFACE PRO TABLET	\$1,947.89	\$1,947.89
184909	8/3/2023		20611707	TELEDYNE ISCO INC	SAMPLING SUPPLIES	\$1,660.14	\$1,660.14
184841	7/27/2023	143	20230724	LUSINE PETROSYAN	EXP REIMB: ESRI USER CONF 2023-LODGING, SHUTTLE, PER DI	\$1,444.73	\$1,627.70
	7/27/2023	143	20250725		EXP REIMB: ESRI USER CONF 2023 - AIRFARE	\$182.97	

**UNION SANITARY DISTRICT
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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
184836	7/27/2023	171	2441040	MOBILE MODULAR MANAGEMENT CORP	FMC TRAILER RENTAL - AUG 2023	\$1,492.89	\$1,492.89
184854	7/27/2023	170	19814	WESTERN MACHINE & FAB INC	1 THREADED SLEEVE / 1 IMPELLER	\$1,410.00	\$1,410.00
184859	8/3/2023	130	16667120	APPLEONE EMPLOYMENT SVCS	TEMP LABOR-LARIOS, WK END 07/08/23	\$1,382.64	\$1,382.64
184801	7/27/2023	130	16660234	APPLEONE EMPLOYMENT SVCS	TEMP LABOR-LARIOS, WK END 07/01/23	\$1,340.64	\$1,340.64
184895	8/3/2023	121	2401026406	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$343.71	\$1,340.13
	8/3/2023	170	2401026719		ASTD PARTS & MATERIALS	\$996.42	
184840	7/27/2023	170	140120230713	PACIFIC GAS AND ELECTRIC	SERV TO 07/04/23 IRVINGTON PS	\$1,262.23	\$1,262.23
184881	8/3/2023	122	211818	FIRE STOP SPRINKLER COMPANY	REPAIR: SPRINKLER PIPE BLDG 83	\$1,250.00	\$1,250.00
184817	7/27/2023	170	20230701	COMMUNICATION & CONTROL INC	UTILITY FEE/ANTENNA RENTAL	\$1,227.30	\$1,227.30
184832	7/27/2023	173	28828MSA	LOOKINGPOINT INC	NEXT CARE ON DEMAND RENEWAL - JUL	\$1,225.00	\$1,225.00
184852	7/27/2023	113	8812938564	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$244.50	\$1,159.06
	7/27/2023	113	8813274549		LAB SUPPLIES	\$111.92	
	7/27/2023	113	8813276104		LAB SUPPLIES	\$56.93	
	7/27/2023	113	8813317811		LAB SUPPLIES	\$11.59	
	7/27/2023	113	8813324721		LAB SUPPLIES	\$648.50	
	7/27/2023	113	8813396671		LAB SUPPLIES	\$85.62	

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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
184834	7/27/2023	122	11050865	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$94.04	\$1,050.74
	7/27/2023	170	11143557		ASTD PARTS & MATERIALS	\$283.72	
	7/27/2023		11219972		ASTD PARTS & MATERIALS	\$411.79	
	7/27/2023	170	11302811		ASTD PARTS & MATERIALS	\$90.75	
	7/27/2023		11371868		ASTD PARTS & MATERIALS	\$170.44	
184861	8/3/2023		20211402	AT&T	SERV: 06/10/23 - 07/09/23	\$1,043.06	\$1,043.06
184917	8/3/2023	143	221534	WOODARD & CURRAN INC	IRVINGTON BASIN RCP REHABILITATION	\$1,035.00	\$1,035.00
184803	7/27/2023		5110255181	ARAMARK	ASTD DUST MOPS, WET MOPS & TERRY	\$93.99	\$989.51
	7/27/2023		5180223321		UNIFORM LAUNDERING & RUGS	\$412.90	
	7/27/2023		5180223322		UNIFORM LAUNDERING SERVICE	\$482.62	
184863	8/3/2023	173	602900	AVERTIUM LLC	VULNERABILITY SCANNER	\$911.00	\$911.00
184862	8/3/2023		4762330804	AT&T	SERV: 06/11/23 - 07/10/23	\$872.58	\$872.58
184821	7/27/2023		9587	ENERGY CHOICE INC	2 FILTERS	\$867.17	\$867.17
184860	8/3/2023		5180226442	ARAMARK	UNIFORM LAUNDERING & RUGS	\$386.18	\$858.80
	8/3/2023		5180226443		UNIFORM LAUNDERING SERVICE	\$472.62	
184837	7/27/2023	123	4697	MTS TRAINING ACADEMY	COMMERCIAL DRIVER EVALUATIONS	\$850.00	\$850.00
184843	7/27/2023	170	392673	ROCHESTER MIDLAND CORPORATION	HOT WATER LOOP SERVICE	\$825.28	\$825.28
184835	7/27/2023	170	230767	METROMOBILE COMMUNICATIONS INC	RADIO SERVICE - JUL 2023	\$772.91	\$772.91

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184894	8/3/2023		11455314	MCMaster SUPPLY INC	ASTD PARTS & MATERIALS	\$214.82	\$759.87
	8/3/2023		11610040		ASTD PARTS & MATERIALS	\$129.05	
	8/3/2023		11700646		ASTD PARTS & MATERIALS	\$200.01	
	8/3/2023		11811096		ASTD PARTS & MATERIALS	\$215.99	
184830	7/27/2023		605168316	HILLYARD/SAN FRANCISCO	ASTD JANITORIAL SUPPLIES	\$129.68	\$748.37
	7/27/2023		605169622		ASTD JANITORIAL SUPPLIES	\$618.69	
184911	8/3/2023	111	51299433	UNIVAR SOLUTIONS USA INC	300 GALS SULFURIC ACID 36%	\$747.56	\$747.56
184833	7/27/2023	113	2306G82	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$730.00	\$730.00
184916	8/3/2023	121	51881	WECO INDUSTRIES LLC	SMALL TRUCK/CAMERA REPAIRS & PARTS	\$725.00	\$725.00
184838	7/27/2023	122	241335	NAYLOR STEEL INC	ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$316.86	\$637.59
	7/27/2023	122	241353		ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$320.73	
184809	7/27/2023	113	709476	CALTEST ANALYTICAL LABORATORY	4 LAB SAMPLE ANALYSIS	\$291.60	\$635.85
	7/27/2023	113	709887		3 LAB SAMPLE ANALYSIS	\$137.70	
	7/27/2023	113	709889		3 LAB SAMPLE ANALYSIS	\$206.55	
184802	7/27/2023		46790	APPLIED AIR FILTERS INC	100 FILTERS	\$599.48	\$599.48
184828	7/27/2023	143	2011800618	HAZEN AND SAWYER	THERMAL DRYER FEASIBILITY STUDY	\$585.00	\$585.00
184822	7/27/2023	170	905970185	EVOQUA WATER TECHNOLOGIES	DI WATER SYSTEM	\$516.47	\$516.47
184844	7/27/2023		47277	ROOTER HERO	REFUND # 60475	\$500.00	\$500.00
184898	8/3/2023		37896	ANTONIO OCHOA	REFUND # 60482	\$500.00	\$500.00

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184904	8/3/2023		48316	AMERICAN RESIDENTIAL SVCS RESCUE	REFUND # 60496	\$500.00	\$500.00
184906	8/3/2023		47279	ROONAL SALCEDO	REFUND # 60497	\$500.00	\$500.00
184918	8/3/2023		46192	WAYNE YAMADA	REFUND # 60488	\$500.00	\$500.00
184919	8/3/2023		37967	XIAOMEI ZHENG	REFUND # 60489	\$500.00	\$500.00
184868	8/3/2023	130	18164850	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$237.75	\$460.52
	8/3/2023	144	18166400		ASTD OFFICE SUPPLIES	\$222.77	
184887	8/3/2023	170	3S9711	HARRINGTON INDUSTRIAL PLASTICS	ASTD PARTS & MATERIALS	\$450.08	\$450.08
184902	8/3/2023	171	8201145371	RED WING BUS ADVANTAGE ACCT	SAFETY SHOES: L. RIVERA	\$225.00	\$450.00
	8/3/2023	111	8201145735		SAFETY SHOES: M. FULKERSON	\$225.00	
184858	8/3/2023		16VK43CK7H6J	AMAZON.COM LLC	ASTD OFFICE SUPPLIES	\$110.74	\$426.54
	8/3/2023		1CJN9C6WM47T		ASTD OFFICE SUPPLIES	\$254.67	
	8/3/2023	170	1V11G9HHC1CY		ASTD OFFICE SUPPLIES	\$29.89	
	8/3/2023		1WN6MKJXGVXQ		ASTD OFFICE SUPPLIES	\$31.24	
184825	7/27/2023	143	329622	CITY OF FREMONT	PERMIT: FY 23 CAST IRON/PIPING LINING - PHASE IX	\$397.82	\$397.82
184814	7/27/2023	150	18967	CITYLEAF INC	PLANT MAINTENANCE - JUL 2023	\$361.65	\$361.65
184797	7/27/2023	170	5292354	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$361.49	\$361.49
184896	8/3/2023		2401027022	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$342.87	\$342.87

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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
184885	8/3/2023		9751963506	GRAINGER INC	ASTD PARTS & MATERIALS	\$216.04	\$312.13
	8/3/2023	170	9752661950		ASTD PARTS & MATERIALS	\$23.54	
	8/3/2023	122	9755704021		ASTD PARTS & MATERIALS	\$72.55	
184876	8/3/2023	111	20230728	MANUEL DE AVILA DIAZ	EXP REIMB: SAFETY SHOES	\$218.30	\$311.40
	8/3/2023	111	20230728.1		EXP REIMB: INSOLES	\$93.10	
184819	7/27/2023	173	30672615	CORELOGIC INFORMATION SOLUTION	REALQUEST SWM RENEWAL	\$309.00	\$309.00
184827	7/27/2023		3S9660	HARRINGTON INDUSTRIAL PLASTICS	ASTD PARTS & MATERIALS	\$290.33	\$290.33
184886	8/3/2023		13656182	HACH COMPANY	CHLORINE ANALYZER	\$290.17	\$290.17
184884	8/3/2023	120	4095319401	GLACIER ICE COMPANY INC	125 5-LB CUBE OF ICE	\$287.06	\$287.06
184901	8/3/2023	141	17057813	QUADIENT INC	ASTD POSTAGE METER SUPPLIES	\$272.65	\$272.65
184831	7/27/2023	110	712	KEYSTONE PUMPS LTD	PUMP ACCESSORIES	\$270.00	\$270.00
184897	8/3/2023	170	241422	NAYLOR STEEL INC	ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$267.03	\$267.03
184908	8/3/2023	120	20230727	STANLEY TARNOWSKI	EXP REIMB: CWEA CS GRADE 1 CERTIFICATION	\$185.00	\$255.44
	8/3/2023	121	20230731		EXP REIMB: PPE - INSOLES	\$70.44	
184869	8/3/2023	170	331698700	BUCKLES SMITH ELECTRIC	2 FAN KITS	\$235.78	\$235.78
184865	8/3/2023	122	26889900	BECK'S SHOES	SAFETY SHOES: M. DELA ROSA	\$225.00	\$225.00
184893	8/3/2023	120	20230731	ANTHONY MARTINEZ	EXP REIMB: CWEA GRADE 3 CERTIFICATION EXAM	\$215.00	\$215.00
184810	7/27/2023	173	6004692139	CANON SOLUTIONS AMERICA INC	MTHLY MAINTENANCE BASED ON USE	\$211.58	\$211.58
184815	7/27/2023		1627106	COGENT SOLUTIONS & SUPPLIES	3 CS COMPOSTABLE UTENSILS	\$208.69	\$208.69

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184798	7/27/2023	113	1JQW1X7T67R9	AMAZON.COM LLC	ASTD OFFICE SUPPLIES	\$30.25	\$203.65
	7/27/2023	144	1JWYVHVFLGMX		ASTD OFFICE SUPPLIES	\$25.33	
	7/27/2023		1KYDK9YWX9X9		ASTD OFFICE SUPPLIES	\$84.12	
	7/27/2023	170	1MF36NJNHGRL		ASTD OFFICE SUPPLIES	\$63.95	
184823	7/27/2023	113	4278859	FISHER SCIENTIFIC	LAB SUPPLIES	\$190.72	\$190.72
184892	8/3/2023		5678309	MALLORY SAFETY AND SUPPLY LLC	48 PR GLOVES	\$189.66	\$189.66
184880	8/3/2023	113	819206413	FEDERAL EXPRESS CORPORATION	SHIPPING SERVICE - LAB	\$186.93	\$186.93
184871	8/3/2023		20230727	GUSTAVO CARRILLO	TUITION REIMB - SUMMER 2023	\$163.00	\$163.00
184826	7/27/2023	122	9745193905	GRAINGER INC	ASTD PARTS & MATERIALS	\$162.33	\$162.33
184805	7/27/2023	121	26868900	BECK'S SHOES	SAFETY SHOES: J. ARROYO	\$162.11	\$162.11
184847	7/27/2023	141	20230701	SPOK INC	JUL 2023 PAGER SERVICE	\$148.90	\$148.90
184903	8/3/2023		123978	REMOTE SATELLITE SYSTEMS INT'L	IRIDIUM SVC FEE AUG 2023	\$139.90	\$139.90
184874	8/3/2023		1628278	COGENT SOLUTIONS & SUPPLIES	2 CS COMPOSTABLE UTENSILS	\$139.12	\$139.12
184907	8/3/2023	170	2307101S	SGS NORTH AMERICA INC	6 ANALYSIS	\$114.00	\$114.00
184910	8/3/2023		20230802	KAROLINE TERRAZAS	EXP REIMB: SNACKS FOR LEADERSHIP DEVELOPMENT PROGR	\$96.21	\$96.21
184795	7/27/2023		1658	ALAMEDA COUNTY TREASURER	28 ASSESSOR MAPS	\$84.00	\$84.00
184839	7/27/2023	120	20230720	SHAWN NESGIS	EXP REIMB: CS RECOGNITION	\$83.29	\$83.29
184813	7/27/2023	140	20230724	RAYMOND CHAU	EXP REIMB: BEREAVEMENT FLOWERS	\$80.00	\$80.00
184912	8/3/2023	136	98XW53273	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 07/08/23	\$65.87	\$65.87

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184864	8/3/2023	111	20230728	RAMANJOT BAINS	EXP REIMB: INSOLES	\$60.59	\$60.59
184850	7/27/2023	136	98XW53263	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 07/01/23	\$49.87	\$49.87
184848	7/27/2023		20230725	KAROLINE TERRAZAS	EXP REIMB: SUPPLIES FOR STARPOINT TRAINING	\$29.98	\$29.98

Invoices:

Credit Memos :	0	
\$0 - \$1,000 :	107	31,916.97
\$1,000 - \$10,000 :	52	207,546.51
\$10,000 - \$100,000 :	13	321,813.71
Over \$100,000 :	12	8,539,085.94
Total:	184	9,100,363.13

Checks:

\$0 - \$1,000 :	66	26,194.80
\$1,000 - \$10,000 :	43	147,270.05
\$10,000 - \$100,000 :	9	226,734.69
Over \$100,000 :	8	8,700,163.59
Total:	126	9,100,363.13



SUPPORTING A HEALTHY BAY:

PLANT UPGRADE IMPROVES WATER QUALITY

Recent algal blooms in San Francisco Bay have increased public awareness about possible contributors to these occurrences. Although the triggers for specific events are not known, nutrients such as nitrogen and phosphorus in water bodies have been a nationwide concern for many years. The Bay has a long history of high nutrient levels, but tidal action, high turbidity, and other factors have historically reduced impacts. Now there is concern the Bay could reach a tipping point that would affect its health.

Nutrients are naturally occurring compounds that may cause algae to grow faster than ecosystems can handle, leading to adverse impacts to water quality, food resources, and habitats as well as to decreases in oxygen that fish and aquatic life need to survive.

While nutrients are just one potential contributor to algal blooms, USD is one of 37 regional wastewater agencies participating in scientific research to increase understanding of how nutrient levels impact the water quality of the Bay. The State's Regional Water Board and the U.S. Environmental Protection Agency will use the research to develop nutrient management policies. New nutrient reduction regulations at wastewater treatment plants are expected in the near future.

USD's Enhanced Treatment and Site Upgrade Program (ETSU) Phase 1A is currently under construction and includes projects that reduce nutrients. The ETSU Program also updates aging infrastructure and provides resiliency to sea-level rise and extreme wet-weather events at our Union City treatment facility. These improvements will help to support the next 40 years of reliable, cost-effective service to the Tri-Cities.

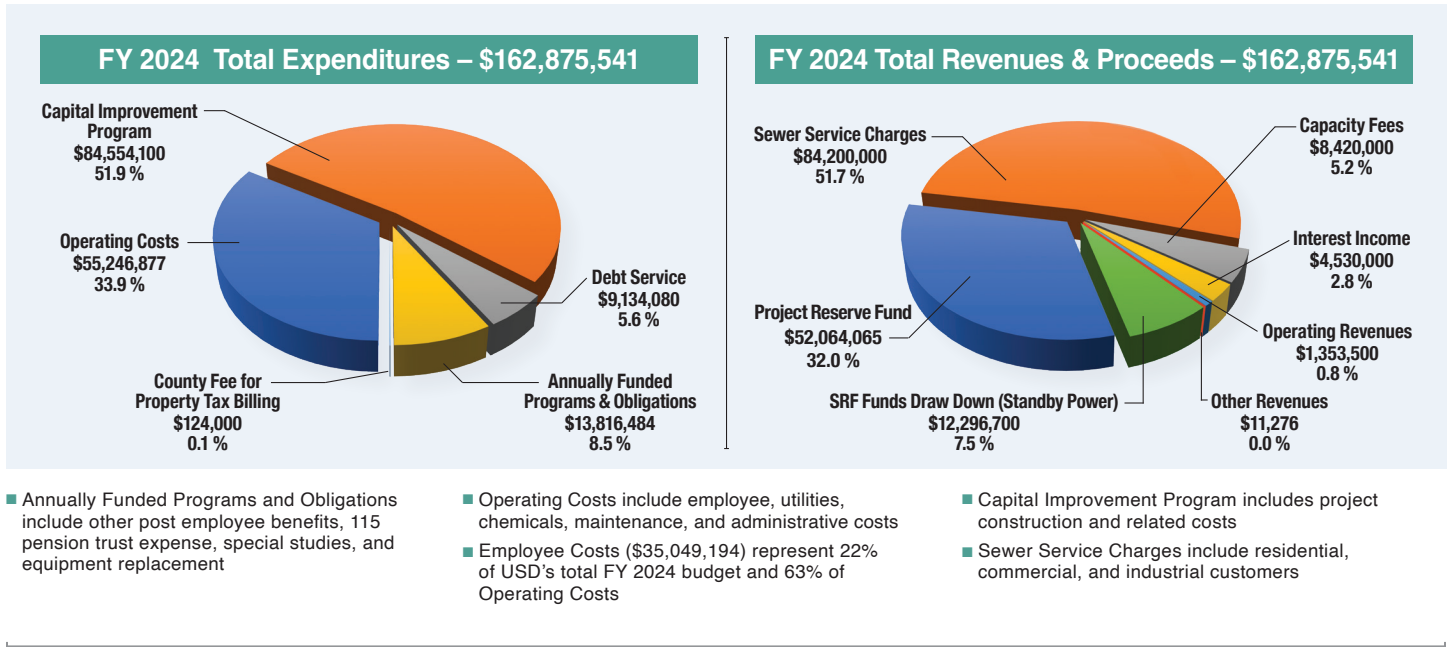


USD's ETSU Aeration Basins Modifications project will reduce nutrients in SF Bay

Want to know more about the ETSU program and USD's work to reduce nutrients in treated wastewater? View an animated "flyover" video illustrating the entire Phase 1 program on our website: unionsanitary.ca.gov/etsu.

BUDGET IN BRIEF

USD provides wastewater collection, treatment, and disposal services to residents, businesses, and industries in the Tri-Cities. The District manages 839 miles of sewer lines, seven pump stations, and the buildings and equipment at the 33-acre treatment plant. Through careful fiscal planning, we safeguard these public assets to ensure responsible maintenance and reliable service to customers at the lowest feasible rates.



COURTESY RATE ADJUSTMENT NOTICE:

FISCAL YEAR 2024 SEWER SERVICE RATES

On May 11, 2020, the District's Board of Directors held a public hearing and adopted Ordinance 31.40, which established sewer service charges for Fiscal Years 2021 through 2025. Prior to the public hearing, the District participated in a public workshop and mailed a notice of the public hearing and informational brochure to all property owners in the service area.

Annual sewer service charges are collected on the Alameda County property tax roll. The charges appear on the tax statement as a single line item and are listed as "Union Sewer Svc." Sewer service charges are not a property tax and are not related to the assessed value of a property. They represent a charge for a service provided. The District includes the annual charges on property tax statements to save the administrative cost of generating and mailing separate invoices.

	Last Year's Rate FY 2023	This Year's Rate FY 2024
Residential (\$ per Dwelling Unit)		
Single Family Residences (per Unit)	\$530.21	\$569.97
*Multiple Family Residences (per Unit)	\$467.24	\$502.28
Commercial (\$ per 1,000 gals)		
Strong	\$14.61	\$15.71
Moderate	\$7.07	\$7.60
Weak	\$5.93	\$6.37
Fast-Food Restaurant	\$14.72	\$15.83
Full-Service Restaurant	\$14.74	\$15.85
Industrial		
Volume (\$/1,000 gals)	\$3.48	\$3.74
COD (\$/1,000 lbs)	\$395.26	\$424.91
Suspended Solids (\$/1,000 lbs)	\$1,061.30	\$1,140.90
Minimum Charge for non-residential customers		
	\$467.24	\$502.28

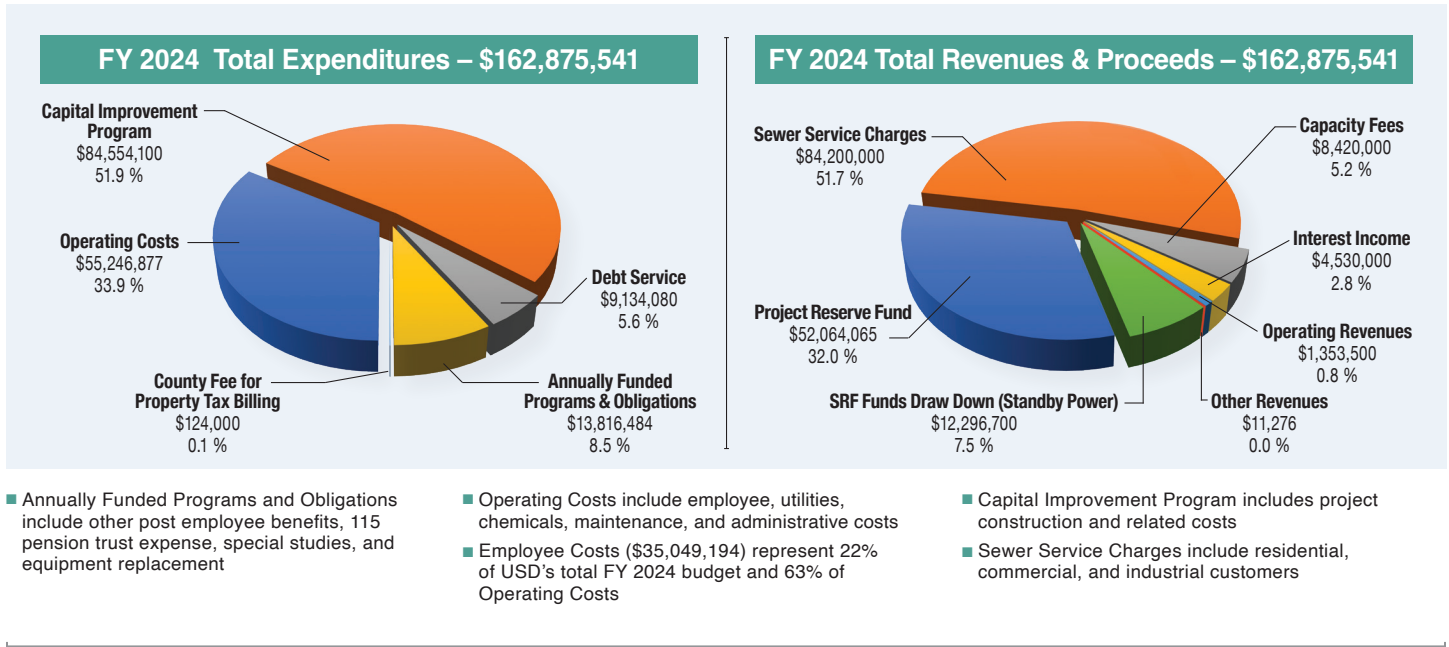
*Examples of multiple family residential dwelling units include condominiums, townhomes, and apartments

USD's Fiscal Year is defined as July 1 through June 30

The adjacent table depicts last year's rates and the new rates for FY 2024. If you have any questions, call the District at (510) 477-7500 or email: rates@unionsanitary.ca.gov.

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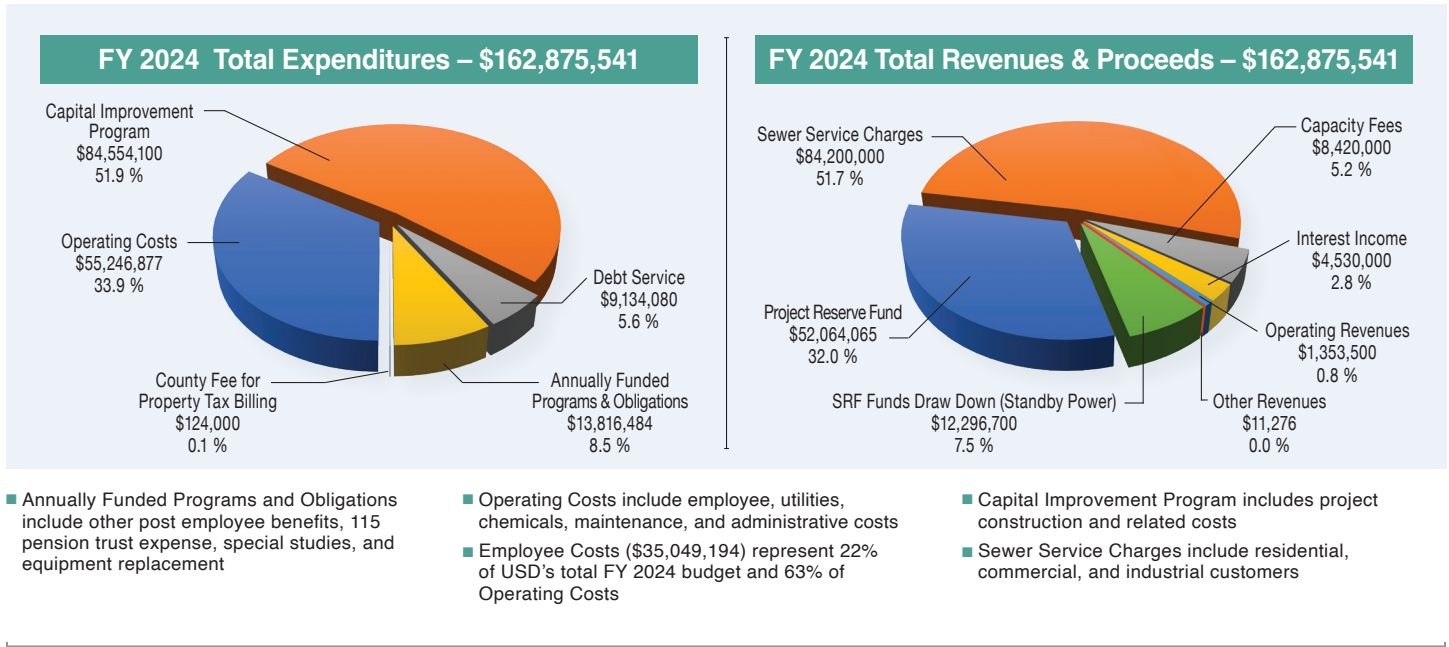
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Annual sewer service charges are collected on the Alameda County property tax roll. The charges appear on the tax statement as a single line item and are listed as "Union Sewer Svc." Sewer service charges are not a property tax and are not related to the assessed value of a property. They represent a charge for a service provided. The District includes the annual charges on property tax statements to save the administrative cost of generating and mailing separate invoices.

	Last Year's Rate FY 2023	This Year's Rate FY 2024
Residential (\$ per Dwelling Unit)		
Single Family Residences (per Unit)	\$530.21	\$569.97
*Multiple Family Residences (per Unit)	\$467.24	\$502.28
Commercial (\$ per 1,000 gals)		
Strong	\$14.61	\$15.71
Moderate	\$7.07	\$7.60
Weak	\$5.93	\$6.37
Fast-Food Restaurant	\$14.72	\$15.83
Full-Service Restaurant	\$14.74	\$15.85
Industrial		
Volume (\$/1,000 gals)	\$3.48	\$3.74
COD (\$/1,000 lbs)	\$395.26	\$424.91
Suspended Solids (\$/1,000 lbs)	\$1,061.30	\$1,140.90
Minimum Charge for non-residential customers		
	\$467.24	\$502.28

*Examples of multiple family residential dwelling units include condominiums, townhomes, and apartments
USD's Fiscal Year is defined as July 1 through June 30

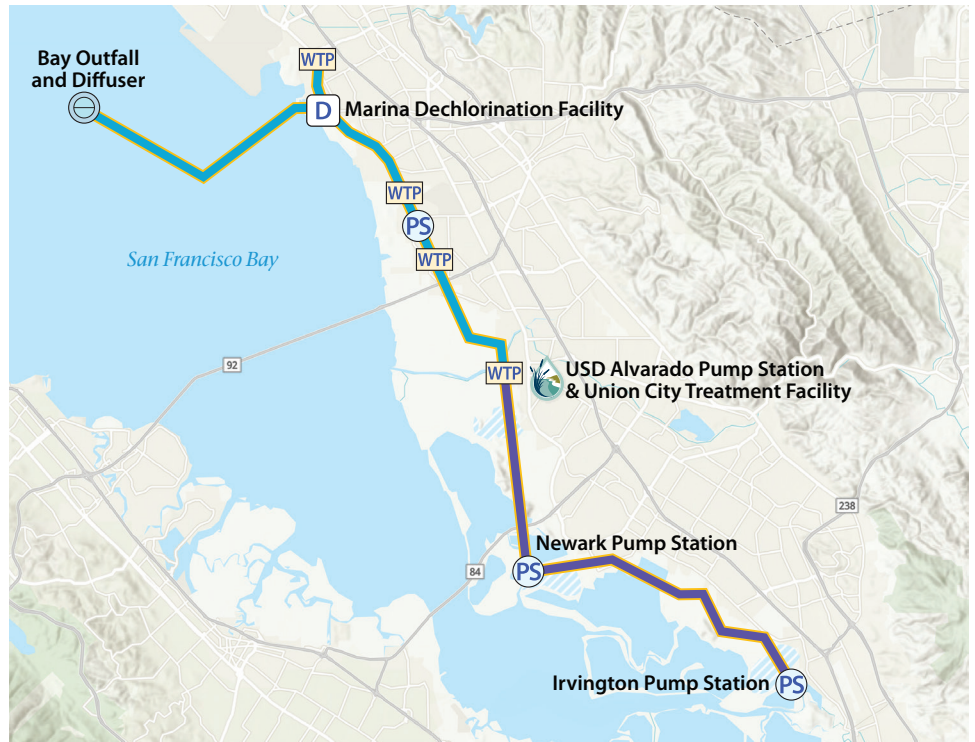
The adjacent table depicts last year's rates and the new rates for FY 2024. If you have any questions, call the District at (510) 477-7500 or email: rates@unionsanitary.ca.gov.

EAST BAY DISCHARGERS AUTHORITY: REGIONAL PARTNERS PROTECT THE BAY

Many years ago, USD had three wastewater treatment plants: Irvington (in south Fremont), Newark, and Alvarado in Union City. The Irvington and Newark plants disposed of treated wastewater in the Bay south of the Dumbarton bridge, as did several other agencies in the region. Amendments to the Clean Water Act in 1972 led the U.S. Environmental Protection Agency (EPA) to determine the Bay was too shallow in many areas to receive wastewater at the level of treatment that was widespread at that time.

USD teamed up with East Bay sanitary districts and cities to explore solutions, forming the East Bay Dischargers Authority (EBDA). This is where the concept of a shared large-diameter line that would discharge treated wastewater further offshore and in deeper waters of the Bay was developed.

Twin pressurized lines called Force Mains and three large pump stations were completed in 1980 to transport wastewater from the Irvington and Newark locations to the Alvarado



— USD wastewater transport system to Union City treatment plant
— EBDA treated wastewater transport system

Treatment Plant, where it is treated and sent to the much larger EBDA line. USD's treated wastewater is joined by the discharges of our EBDA partners as it travels north underground near the East Bay's edge. The combined discharges, averaging 60 million gallons per day, undergo a final process that removes chlorine

to safeguard marine life, then travel about seven miles into a deeper shipping channel in the Bay and are dispersed through a diffuser. All EBDA members contribute to the cost of operating and maintaining EBDA facilities to meet the wastewater needs of customers and protect San Francisco Bay.

DID YOU KNOW?

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

Cooking oils, shortening, salad dressings, and other FOG can clog your lateral and cause messy backups into your home, onto streets, and down storm drains, where they can reach local creeks and the Bay. WIPE IT, SCRAPE IT, AND COMPOST IT instead: Wipe cooled pans with a paper towel or scrape solidified grease into a compostable container, then place these in your compost or green bin. Collect large amounts of used cooking oil in plastic bottles with caps to drop off at Republic Services, 42600 Boyce Road in Fremont, during business hours.

Questions?
Contact USD



Want to know more about the subjects in this newsletter? Find more detailed information on our website by using this QR code or web address: unionsanitary.ca.gov/indepth. Have a comment, question, or subject you'd like to see covered? Please email us at contactusd@unionsanitary.ca.gov.



USD

TRI-CITY WASTEWATER

5072 Benson Road
Union City, CA
94587-2508

PRESORTED
STANDARD
US POSTAGE
PAID
SACRAMENTO, CA
PERMIT NO 604

ECR WSS

SEWER LATERAL QUESTIONS? WATCH OUR VIDEO

- **View useful information for property owners**, including tips for contacting USD if you think you have a sewer problem, researching a licensed, insured drain cleaning company or plumber, actions you can take to keep your sewer lateral healthy, and more. Check it out at unionsanitary.ca.gov/lateral-video.
- **Your sewer lateral is a pipe that connects the plumbing system in your residence or business to USD's main sewer line. Property owners are responsible for maintenance, repair, or replacement of their entire sewer lateral up to its connection to USD's main line.** This includes portions located under sidewalks and streets (see exhibit below).
- **Do's and Don'ts for a Healthy Lateral:** Only human waste, soaps, toilet paper, food ground in a garbage disposal, household cleaning products, and over-the-counter drain cleaners should go into your sewer line. Keep wipes, paper towels, tissues, fats, oils, grease, medicines, and toxic chemicals out of your lateral.
- **If a problem is found in your lateral, before any work begins, a USD repair permit is required** (even for repairs on private property). Call (510) 477-7500 for more information.

BOARD OF DIRECTORS

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Tom Handley , <i>Secretary</i> Fremont	

EXECUTIVE MANAGEMENT

Paul Eldredge
General Manager

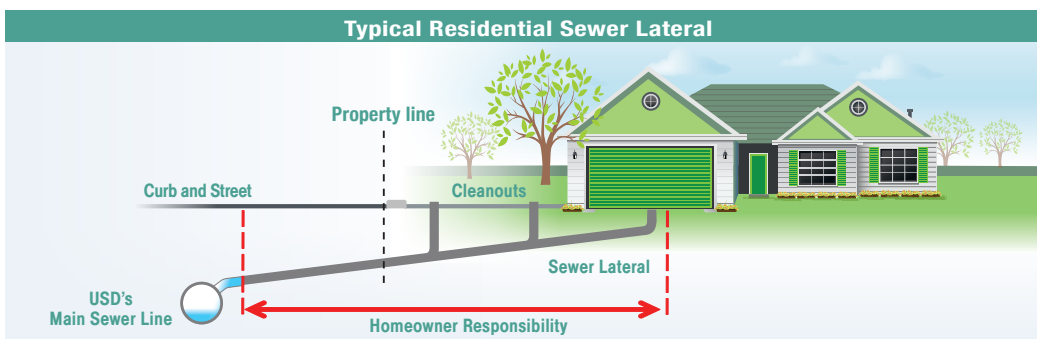
Mark Carlson
CFO/Business Services Manager

Raymond Chau
Technical Services Manager

Armando Lopez
Treatment & Disposal Services Manager

Jose Rodrigues, Jr.
Collection Services Manager

Robert Simonich
Maintenance & Technology Services Manager



For more tips about keeping your lateral healthy, check our website at unionsanitary.ca.gov or call us at (510) 477-7500.

UNION SANITARY DISTRICT'S MISSION:

To safely and responsibly collect and treat wastewater, and to recover resources from process waste streams, while protecting human health and improving the environment in a way that benefits the Tri-Cities and all USD stakeholders.