



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 28, 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 August 14, 2023. |
| Motion | 5. Approve Minutes of the Union Sanitary District Special Board Meeting of August 17, 2023. |
| Information | 6. Operations Report:
a) July 2023 Monthly Operations Report <i>(to be reviewed by the Budget & Finance and Legal/Community Affairs Committees).</i>
b) Fiscal Year 2023 4 th Quarter Managed Investment Portfolio Report from PFM <i>(to be reviewed by the Investment Portfolio Ad Hoc).</i> |
| | 7. Written Communications. |
| | 8. Public Comment.
Public Comment is limited to three minutes per individual, with a maximum of 30 minutes per subject. If the comment relates to an agenda item, the speaker should address the Board at the time the item is considered. Speaker cards will be available in the Boardroom and are requested to be completed prior to the start of the meeting. |
| Motion | 9. Authorize the General Manager to Execute an Agreement and Task Order No. 1 with Hazen and Sawyer for the Co-Digestion Feasibility Study <i>(to be reviewed by the Engineering and Information Technology Committee).</i> |
| Motion | 10. Authorize Staff to Execute a Contract with Dell Technologies for Five (5) Virtual Server Area Network Servers <i>(to be reviewed by the Engineering and Information Technology Committee).</i> |

- Direction 11. Review Updated Fats, Oils, and Grease (FOG) Holiday Advertisement and Provide Direction *(to be reviewed by the Legal/Community Affairs Committee)*.
-
- Information 12. Check Register.
-
- Information 13. Committee Meeting Reports. *(No Board action is taken at Committee meetings):*
- a. Investment Portfolio Ad Hoc – Wednesday, August 23, 2023, at 2:00 p.m.
 - Director Handley and Director Lathi
 - b. Budget & Finance Committee – Thursday, August 24, 2023, at 1:30 p.m.
 - Director Kite and Director Handley
 - c. Engineering and Information Technology Committee – Friday, August 25, 2023, at 10:00 a.m.
 - Director Fernandez and Director Toy
 - d. Legal/Community Affairs Committee – Friday, August 25, 2023, at 11:30 a.m.
 - Director Kite and Director Lathi
 - e. Legislative Committee – will not meet.
 - f. Personnel Committee – will not meet.
-
- Information 14. General Manager’s Report. *(Information on recent issues of interest to the Board)*.
-
15. 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.
-
- 16h. Adjournment – The Board will adjourn to next Regular Board Meeting to be held in the Boardroom on Monday, September 11, 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.



USD TREAT
PROTECT
PRESERVE
est.1918
TRI-CITY WASTEWATER

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

INVESTMENT/PORTFOLIO AD HOC MEETING
Committee Members: Director Handley and Director Lathi

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

AGENDA
Wednesday, August 23, 2023
2:00 P.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 28, 2023:

- Fiscal Year 2023 Fourth Quarter Managed Investment and Portfolio Report from PFM
-

5. Adjournment

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

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Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

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

AGENDA
Thursday, August 24, 2023
1:30 P.M.

Karen W. Murphy
Attorney

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

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

1. Call to Order

2. Roll Call

3. Public Comment

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

- Alvarado Conference Room
 - Teleconference Location
-

4. Items to be reviewed for the Regular Board meeting of August 28, 2023:

- July 2023 Monthly Operations Report – Financial Reports
-

5. Adjournment

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

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Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

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

AGENDA
Friday, August 25, 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
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 - Alvarado Conference Room
 - Teleconference Location

4. Items to be reviewed for the Regular Board meeting of August 28, 2023:
 - Authorize the General Manager to Execute an Agreement and Task Order No. 1 with Hazen and Sawyer for the Co-Digestion Feasibility Study
 - Authorize Staff to Execute a Contract with Dell Technologies for Five (5) Virtual Server Area Network Servers

5. Adjournment

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

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



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

LEGAL/COMMUNITY AFFAIRS COMMITTEE MEETING

Committee Members: Director Kite and Director Lathi

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

AGENDA
Friday, August 25, 2023
11:30 A.M.

Karen W. Murphy
Attorney

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

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

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

THE TELECONFERENCE LOCATIONS SHALL BE ACCESSIBLE TO THE PUBLIC.

1. Call to Order

2. Roll Call

3. Public Comment

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

- Alvarado Conference Room
 - Teleconference Locations
-

4. Items to be reviewed for the Regular Board meeting of August 28, 2023:

- July 2023 Monthly Operations Report – Odor and Work Group Reports
 - Review Updated Fats, Oils, and Grease (FOG) Holiday Advertisement and Provide Direction
-

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
August 14, 2023**

CALL TO ORDER

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

SALUTE TO THE FLAG

President Fernandez led the salute to the flag.

ROLL CALL

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

STAFF: Paul Eldredge, General Manager/District Engineer
Karen Murphy, District Counsel
Armando Lopez, Treatment and Disposal Services Manager
Jose Rodrigues, Collection Services Manager
Raymond Chau, Technical Services Manager
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager
Alisa Gordon, Human Resources Manager
Chris Pachmayer, Fabrication, Maintenance, and Construction Coach
Mitchell Costello, Treatment and Disposal Services Coach
Curtis Bosick, Capital Improvements Projects Coach
Michelle Powell, Communications and Intergovernmental Relations Coordinator
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

VISITOR: Jack Alcom, Tri-City Voice

**APPROVE MINUTES OF THE UNION SANITARY DISTRICT SPECIAL BOARD
MEETING OF JULY 31, 2023**

It was moved by Vice President Toy, seconded by Director Kite, to Approve the Minutes of the Special Board Meeting of July 31, 2023. Motion carried unanimously.

APPROVE MINUTES OF THE UNION SANITARY DISTRICT SPECIAL BOARD MEETING OF AUGUST 3, 2023

It was moved by Director Lathi, seconded by Secretary Handley, to Approve the Minutes of the Special Board Meeting of August 3, 2023. Motion carried unanimously.

WRITTEN COMMUNICATIONS

There were no written communications.

PUBLIC COMMENT

There was no public comment.

CONSIDER AUTHORIZING EXPENDITURES FROM THE CIP RESERVES FOR THE EAST WARREN AVENUE SANITARY SEWER MAIN REPLACEMENT PROJECT

This item was reviewed by the Engineering and Information Technology Committee. Technical Services Manager Chau stated staff previously informed the Board of the development of a single-family home and attached accessory dwelling unit under construction on the parcel at 800 East Warren Avenue in the City of Fremont. The development will include a driveway to be constructed directly over the USD sewer easement. The District has an existing sanitary sewer main and manhole located within the sewer easement area; the easement allows the property owner to construct the driveway. At the July 31, 2023, Board meeting, the Board directed staff to replace the existing sewer main before the driveway is constructed. Staff recommended the Board consider authorizing expenditures of up to \$267,046 from the CIP reserves for the East Warren Avenue Sanitary Sewer Main Replacement Project.

It was moved by Secretary Handley, seconded by Vice President Toy, to Authorize up to \$267,046 from the CIP Reserves for the East Warren Avenue Sanitary Sewer Main Replacement Project. Motion carried unanimously.

AUTHORIZE THE GENERAL MANAGER TO EXECUTE CONTRACT CHANGE ORDER NO. 2 WITH WASTEWATER SOLIDS MANAGEMENT FOR THE CLEANING OF DIGESTER NO. 6

This item was reviewed by the Engineering and Information Technology Committee. Technical Services Manager Chau stated an unusually large accumulation of solids with a high concentration of sand-like material was discovered during the cleaning of Digester No. 6. The 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. Change Order No. 2 for the Cleaning of Primary Digester No. 6 will remove up to an additional 569.47 wet tons of biosolids and residual from the primary digester as well as separate grit, sand, and rags from the sludge and haul and dispose of the residuals. Staff recommended the Board authorize the General Manager to execute Contract Change Order No. 2 with Wastewater Solids Management in the amount up to \$135,000 for the Cleaning of Primary Digester No. 6.

It was moved by Director Lathi, seconded by Vice President Toy, to Authorize the General Manager to Execute Contract Change Order No. 2 with Wastewater Solids Management in the Amount up to \$135,000 for the Cleaning of Primary Digester No. 6. Motion carried unanimously.

REVIEW THE DISTRICT'S DRAFT FALL 2023 NEWSLETTER

Communications and Intergovernmental Relations Coordinator Powell stated staff prepared a desk item to show variations to the Budget in Brief section of the newsletter pursuant to direction received at the Board Workshop held August 3, 2023. Staff recommended the Board review the Draft Fall 2023 Newsletter and provide direction.

The Board provided direction to staff regarding the Fall 2023 Newsletter.

INFORMATION ITEMS:

Solar and Cogeneration Facilities Operations Update

This item was reviewed by the Budget & Finance Committee. Capital Improvements Projects Coach Bosick stated the total benefit through June 30, 2023, for the Alvarado Wastewater Treatment Plant Solar Carport, constructed in 2011, was \$758,923 for an 85.3% simple payback. The total benefit to date for the Irvington Pump Station Solar Facility, constructed in 2012, was \$3,849,705 for a 134.3% simple payback. The total benefit to date for the Cogeneration Facility, constructed in 2014, was \$12,996,082 for an 85% simple payback.

Board Expenses for the Fourth Quarter of Fiscal Year 2023

This item was reviewed by the Budget & Finance Committee. General Manager Eldredge presented the Board of Directors Travel and Training Expenditure Report for the Fourth Quarter of Fiscal Year 2023 included in the Board meeting packet.

Check Register

There were no questions regarding the check register.

COMMITTEE MEETING REPORTS:

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

GENERAL MANAGER'S REPORT:

- General Manager shared photos and videos of the interior of Digester No. 6 that were captured during the cleaning process.
- General Manager Eldredge stated a Board Workshop would be held in the Alvarado Conference Room on Thursday, August 17, 2023, at 4:00 p.m.

OTHER BUSINESS:

There was no other business.

ADJOURNMENT:

The meeting was adjourned at 4:23 p.m. to a Special Board Meeting to be held in the Boardroom on Monday, August 17, 2023, at 4:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

TOM HANDLEY
SECRETARY

APPROVED:

MANNY FERNANDEZ
PRESIDENT

Adopted this 28th day of August 2023

**MINUTES OF THE SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
August 17, 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

PUBLIC COMMENT

There was no public comment.

BOARD WORKSHOP

General Manager Eldredge presented information regarding current and upcoming District activities.

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 28, 2023, at 4:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

TOM HANDLEY
SECRETARY

APPROVED:

MANNY FERNANDEZ
PRESIDENT

Adopted this 28th day of August, 2023



Union Sanitary District

Monthly Operations Report July 2023



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2023 MONTHLY OPERATIONS REPORT

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

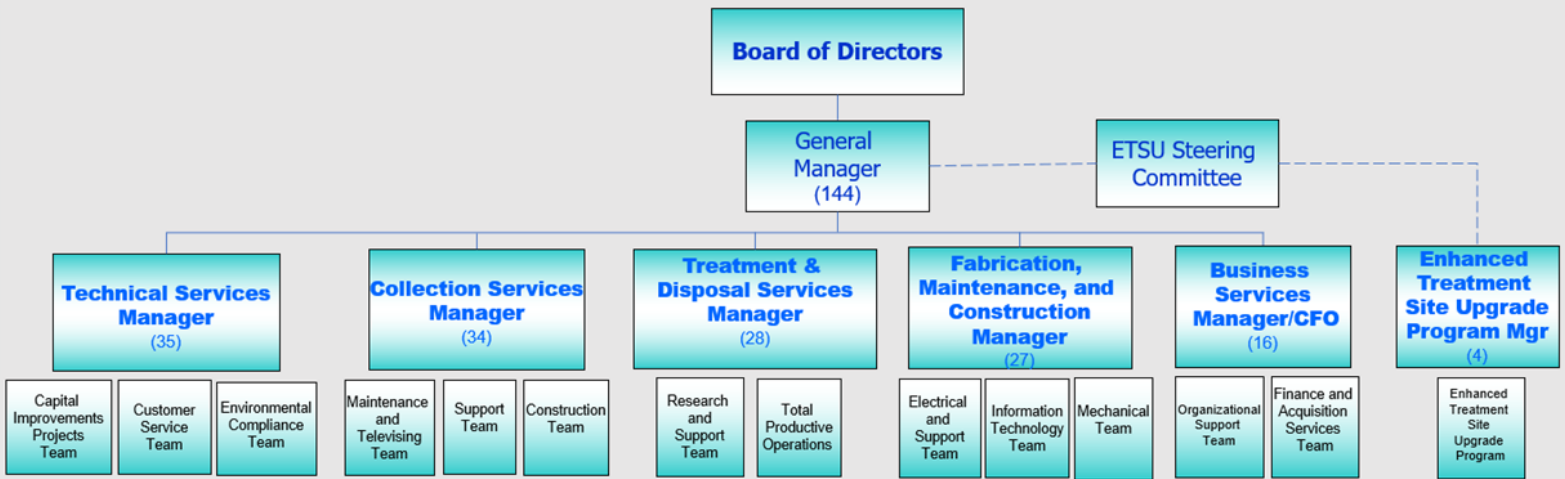
- **Organizational Overview**
- **Financial Reports**
 - Budget and Finance Report
 - Investment Portfolio
 - Portfolio Holdings by Asset Class and by Maturity Range
- **Customer Relations**
 - Odor Investigations and Response
 - Service Request and Response
 - Communication and Outreach
- **Plant Operations**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



Organizational Overview

2023 MONTHLY OPERATIONS REPORT

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



Executive Team

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



Financial Report

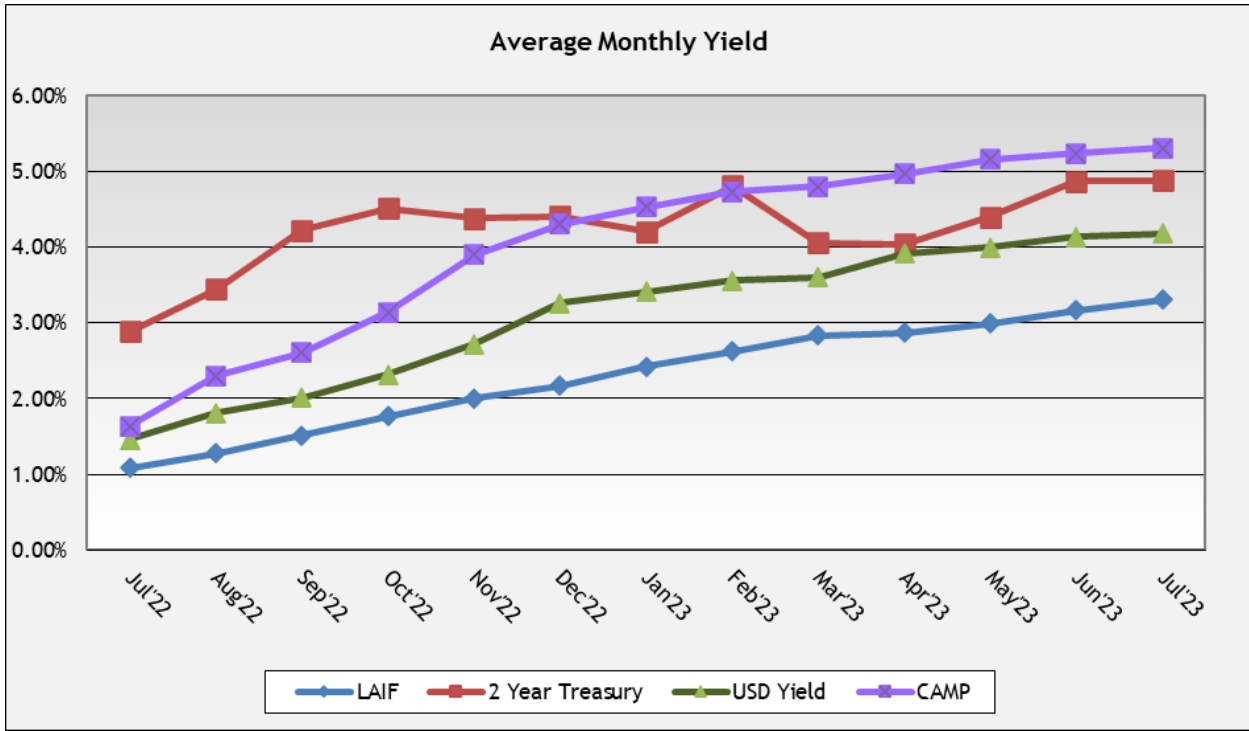
2023 MONTHLY OPERATIONS REPORT

Total Revenues and Expenditures

FY 2024	Year-to-date as of 7/31/2023		8.3% of year elapsed	Unaudited Last Year Actuals 6/30/23
<u>Revenues</u>				
	Budget	Actual	% of Budget Rec'd	
Capacity Fees	\$ 8,420,000	\$ 27,328	0%	\$ 7,371,192
Sewer Service Charges	84,200,000	467	0%	74,166,781
Operating (Includes work groups and fund 85)	1,353,500	43,161	3%	1,252,692
Interest	3,850,000	751,338	20%	5,733,919
Misc. (Annex fees, forfeited deposits)	11,276	-	0%	644,534
Subtotal Revenues	\$ 97,834,776	\$ 822,294	1%	\$ 89,169,117
SRF Funds Draw Down (Standby Power)	12,296,700	-	0.0%	-
Total Revenues + Bond Proceeds	\$ 110,131,476	\$ 822,294	1%	\$ 89,169,117
<u>Expenses</u>				
	Budget	Actual	% of Budget Used	Unaudited Last Year Actuals 6/30/23
Capital Improvement Program:				
Capacity Proj.	\$ 13,948,200	\$ 209	0%	\$ 9,316,075
Renewal & Repl. Proj.	70,605,900	178	0%	47,738,106
Operating (includes fund 85)	55,246,877	4,891,004	9%	46,682,360
Special Projects	4,154,384	3,928	0%	835,570
Retiree Medical (ADC)	1,475,000	-	0%	1,451,569
115 Pension Trust	6,400,000	-	0%	-
Vehicle & Equipment	187,300	-	0%	176,662
Information Systems	1,199,800	82,258	7%	532,130
Plant & Pump Stat. R&R	400,000	22,785	6%	308,301
Emerg. Fund	-	-	0%	-
Cty Fee for SSC Admin.	124,000	-	0%	112,512
Debt Servicing:				
SRF Loans	-	-	0%	-
Bonds	9,017,080	-	0%	9,693,038
WIFIA	17,000	-	0%	17,000
Debt Issuance	100,000	-	0%	-
Total Expenses	\$ 162,875,541	\$ 5,000,361	3%	\$ 116,863,323
Total Revenue & Proceeds less Expenses	\$ (52,744,065)	\$ (4,178,067)		(27,694,206)

Investment Portfolio

Performance Measures for the USD Investment Portfolio



	Mar'23	Apr'23	May'23	Jun'23	Jul'23
LAIF	2.83%	2.87%	2.99%	3.17%	3.31%
2 Year Treasury	4.06%	4.04%	4.40%	4.87%	4.88%
USD Yield	3.60%	3.91%	4.00%	4.13%	4.18%
CAMP	4.80%	4.97%	5.16%	5.24%	5.31%

LAIF: Local Agency Investment Fund Yield

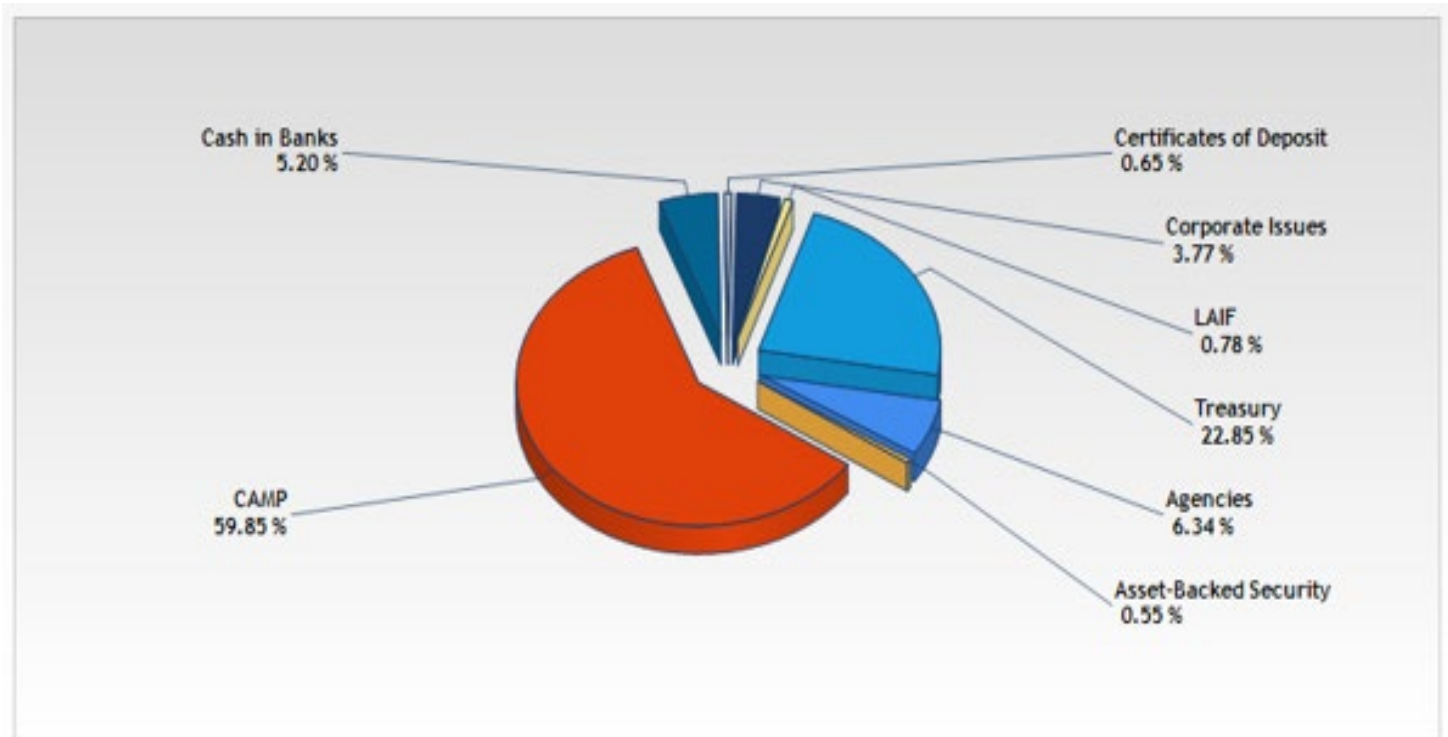
2 Year Treasury: Yield for investing in 2-Year U.S. Treasury security

USD Yield: Summarizes USD portfolio's yield

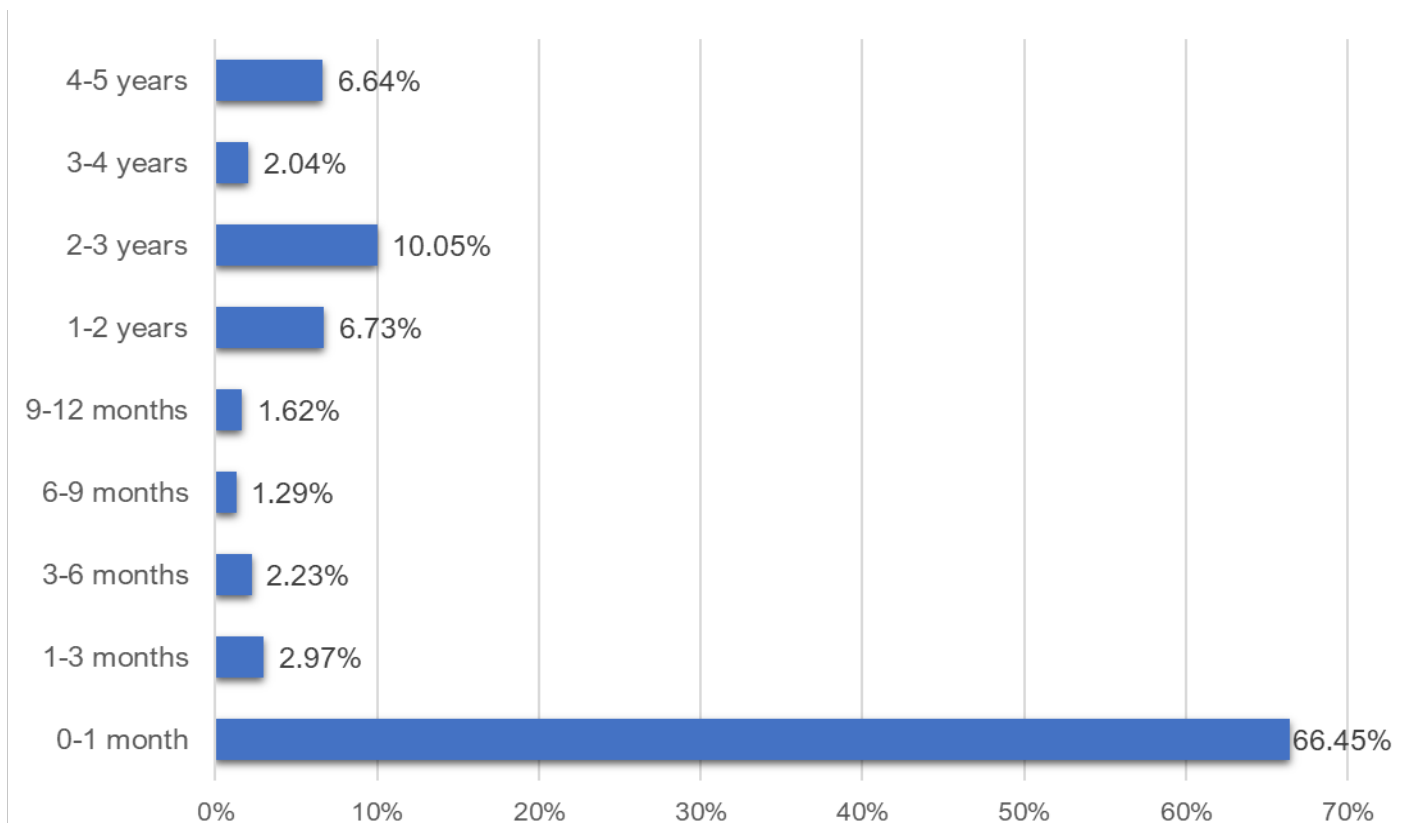
CAMP: California Asset Management Program Yield

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

City	Fremont		
District Related:	No	Date/Time:	7/24/2023 8:09AM
Location:	Una Court	Reported by:	Ramu Veera
Weather/Temp:	Partly Cloudy / 62°F	Wind:	South East / 4 mph

Response and Follow-up: Caller reported a foul odor believed to be coming from the sewer. A USD Trouble Call Inspector reported to the location and conducted an inspection of the area. Upon arrival, no smell was detected. Upon further inspection, the inspector noted that there was a rotten foliage smell in the driveway, near the planter area of the residence. The smell was not detected outside of that area. The inspector and homeowner were unable to locate a sewer cleanout for the residence. The inspector checked the nearby sewer manhole and the sewer system was flowing normal with no signs of a backup or odors.

It was determined that the odor was not related to USD's sewer system.

Union Sanitary District Odor Map and Report



Union Sanitary District - Alvarado Treatment Plant

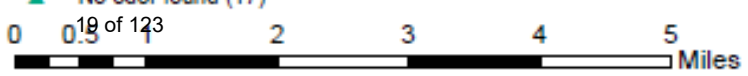


Legend

- Odor Complaints: July 2023**
- ★ Odor found, USD resolved (0)
 - Odor found, not related to USD (1)
 - ▲ No odor found (0)

- Odor Complaints: Aug. 2022 to Jun. 2023**
- ★ Odor found, USD resolved (1)
 - Odor found, not related to USD (8)
 - ▲ No odor found (17)

Location of Odor Reports August 2022 to July 2023





Customer Service Response

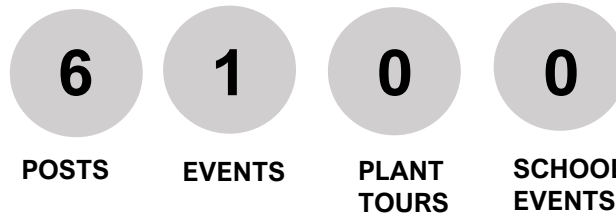
Front Desk Trouble Calls

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
Jul-23	9	2	3	14
Jun-23	8	0	1	9
May-23	6	1	3	10
Apr-23	13	0	2	15
Mar-23	14	5	1	20
Feb-23	9	2	2	13
6 Month Total				81
Jul-22	5	1	3	9

Communication and Outreach

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



Social Media Posts:

- July 4 Office Closure
- Washington Hospital Wellness Fair flyer and text (2 posts)
- Did You Know? What not to flush
- Senator Wahab treatment plant tour
- CS staff Cleaning vehicles for Washington Hospital Event

Events:

- Road to Wellness @ Washington Hospital (EC & CS)

Other Activities:

- Senator Aisha Wahab Treatment Plant Tour
- Participation in Union City Chamber of Commerce Board meetings



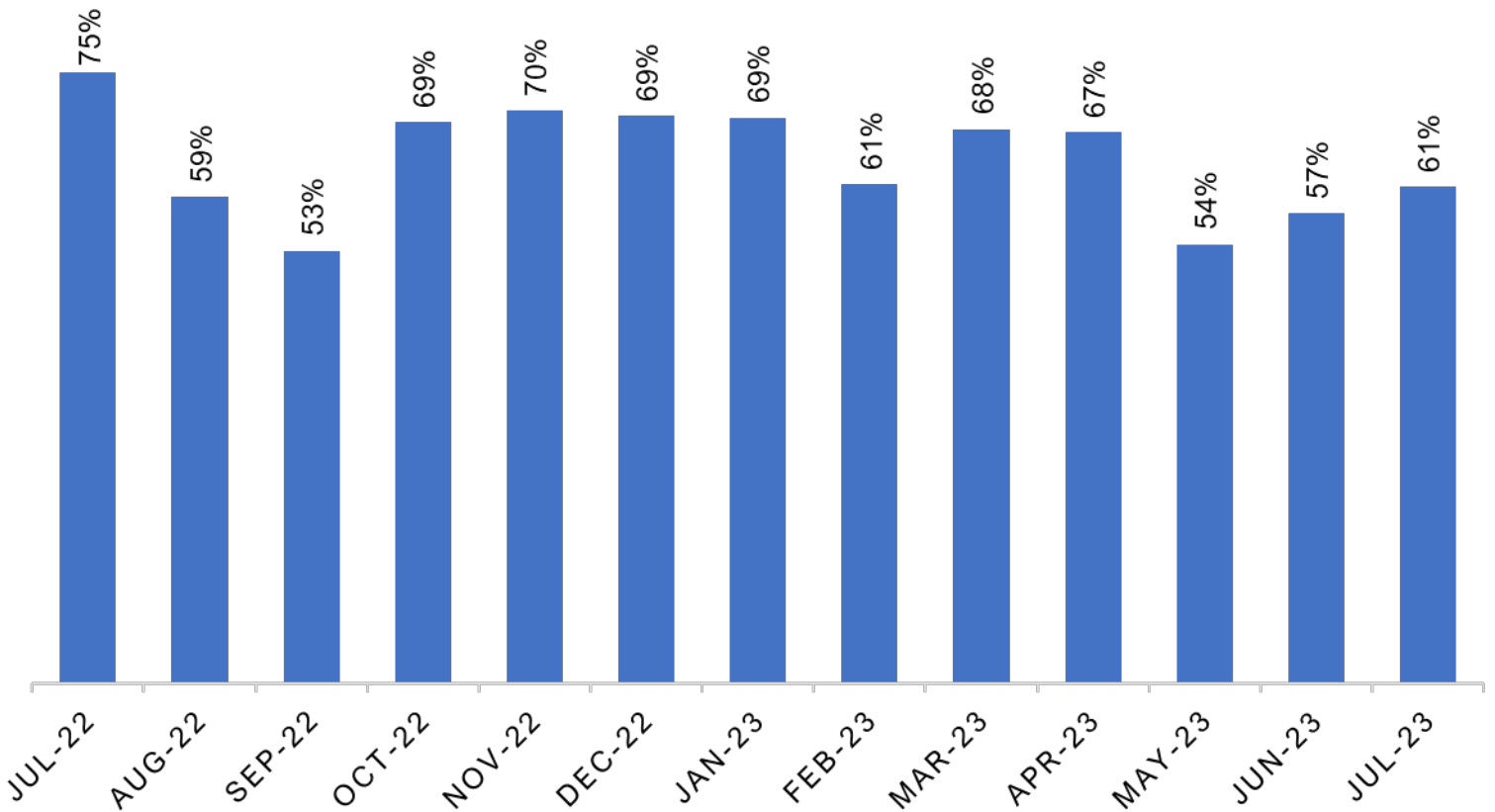
Plant Operations

2023 MONTHLY OPERATIONS REPORT

Cogeneration Engines at USD's Wastewater Treatment Plant

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

Cogen Power Produced (% of total Plant load)



Mechanics working on the cogeneration engine



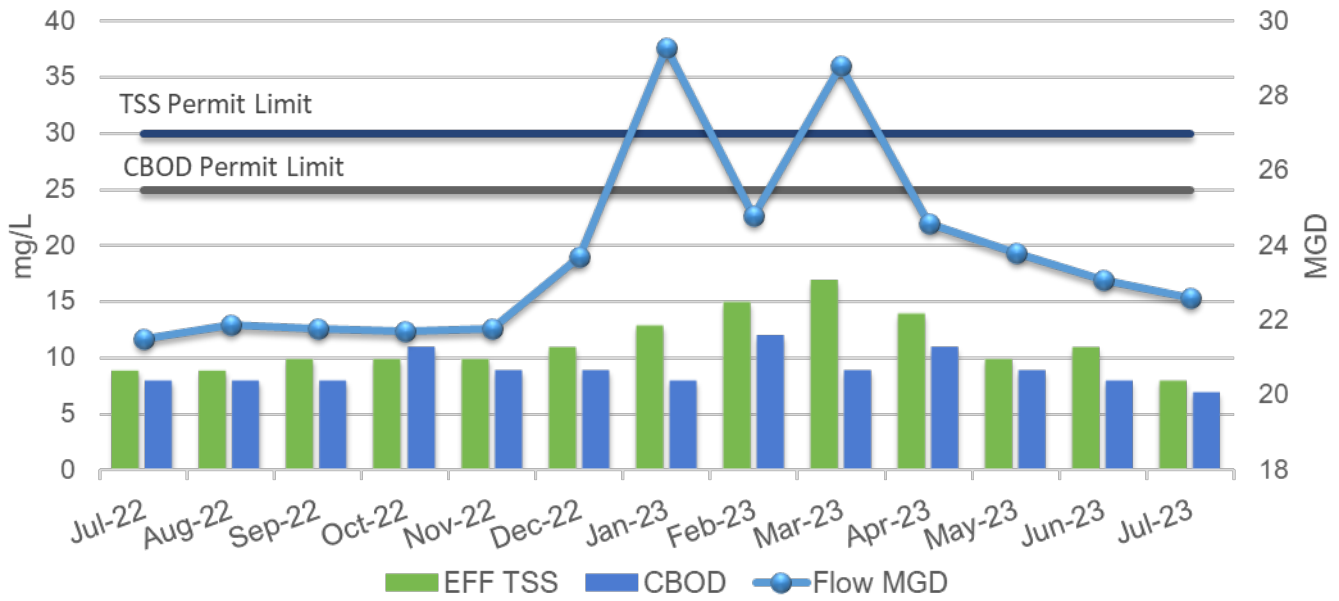
Plant Operations

2023 MONTHLY OPERATIONS REPORT

Lab Monitoring Results

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

Lab Results and Effluent Flow



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

USD's Final Effluent Monthly Monitoring Results

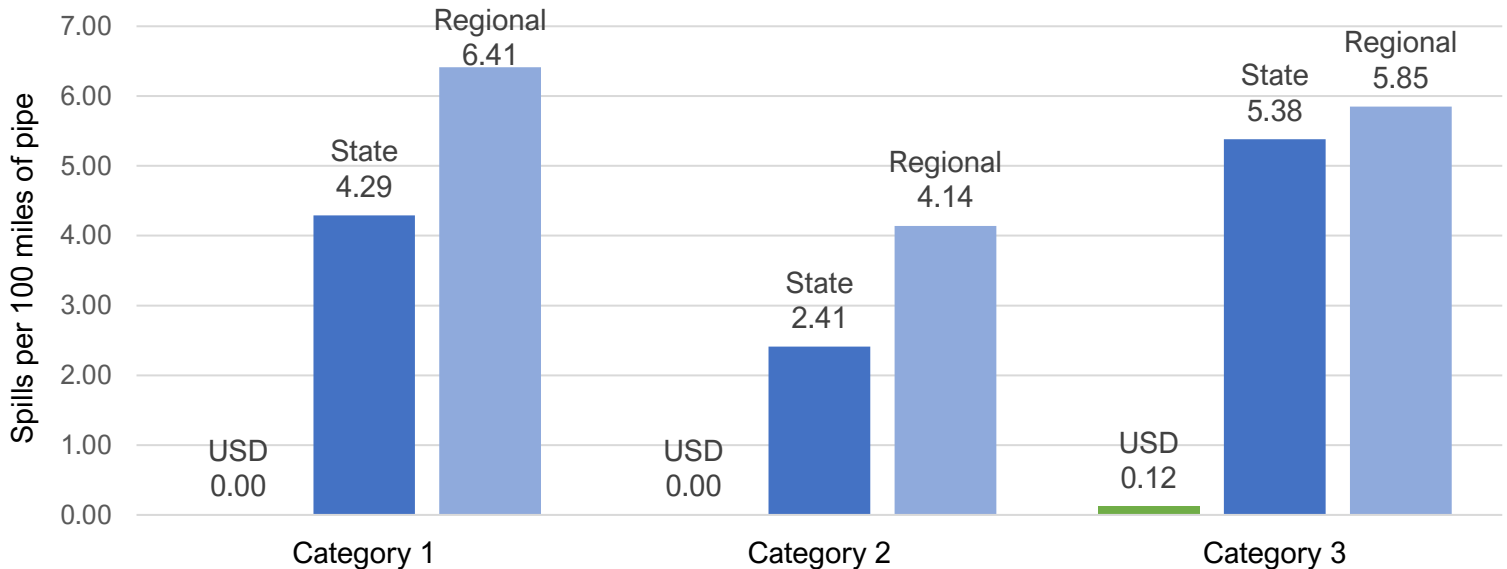
Parameter	Permit Limit	May-23	Jun-23	Jul-23
Copper, µg/l	53	4.3	3.3	3.1
Mercury, µg/l	0.066	E 0.0038	NA	NA
Cyanide, µg/l	20	ND 0.9	E 1.5	ND 1.1
Ammonia- N, mg/L (Range)	86	43 - 45	40 - 44	44 - 45
Fecal Coliform, MPN/100ml (Range)				
• 5-Day Geometric Mean	500	52 - 104	34 - 46	24 - 47
• 11-Sample 90th Percentile	1100	93 - 199	93 - 199	93 - 96
Enterococci				
• 6-Week Geometric Mean	280	58	67	18

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



Collection System Performance Report

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



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

Definition of Spill Categories

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

Collection System Maintenance Work Completed

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

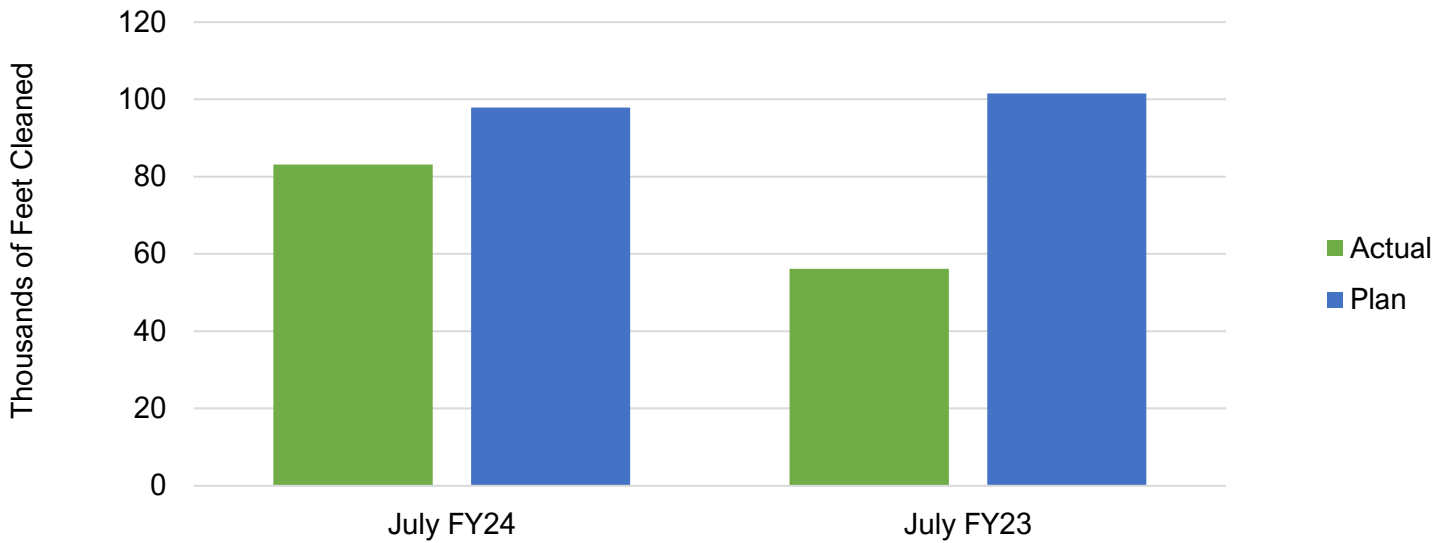
	This Month	Fiscal Year to Date	Historical Monthly Average
Sewer Line Repairs - # of Open Trench	1	1	0
Sewer Line Repairs - # of Trenchless	0	0	4
Work Orders Completed on Vehicles and Buildings	91	91	202



Maintenance Report

2023 MONTHLY OPERATIONS REPORT

Sewer Line Cleaning



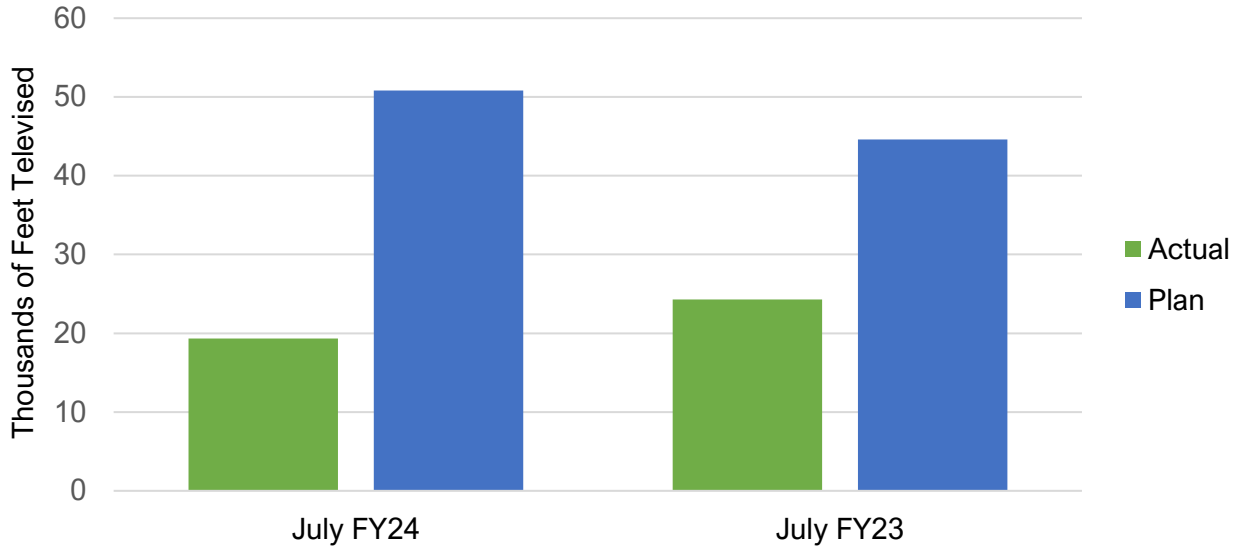
Cleaning Cost per Foot=\$0.84						
Description	Jun-23 Footage	July-23 Footage	FY24 YTD	Historical FY23	FY24 YE Goal	% Completed to Plan
84 Month Hydro-Jet Clean	15,731	60,079	60,079	589,507	680,354	8.8%
Selective Line Cleaning	27,303	23,064	23,064	211,253	216,307	10.7%
Special Condition Clean (not in total)	18,486	1,648	1,648	36,554	28,940	5.7%
Root Control/Chemical Clean	3,826	-	-	420,273	277,200	0.0%
Cast Iron Cleaning	-	-	-	7,498	-	-
Totals	46,860	83,143	83,143	1,228,528	1,173,861	7.1%



Maintenance Report

2023 MONTHLY OPERATIONS REPORT

Sewer Line Inspection and Televising



Televising Cost per Foot=\$0.97						
Description	Jun-23 Footage/Count	July-23 Footage/Count	FY24 YTD	Historical FY23	FY24 Goal	% Completed to Plan
84 Month TV Inspection	38,049	19,333	19,333	478,376	530,567	3.6%
84 Month Manhole Inspection Count	391	298	298	2,563	2,676	11.1%
Visual/Condition, Pre/Post Cnst TV (not in total)	-	-	-	10,483	11,704	0.0%
Visual Manhole Inspection Count (not in total)	85	1	1	247	-	-
New Development, CIP, Misc (not in total)	1,692	-	-	25,583	27,744	0.0%
QA/QC Line Condition	-	-	-	16,436	51,470	0.0%
QA/QC Root Control	-	-	-	41,050	27,744	0.0%
Totals	38,049	19,333	19,333	535,862	609,781	3.2%

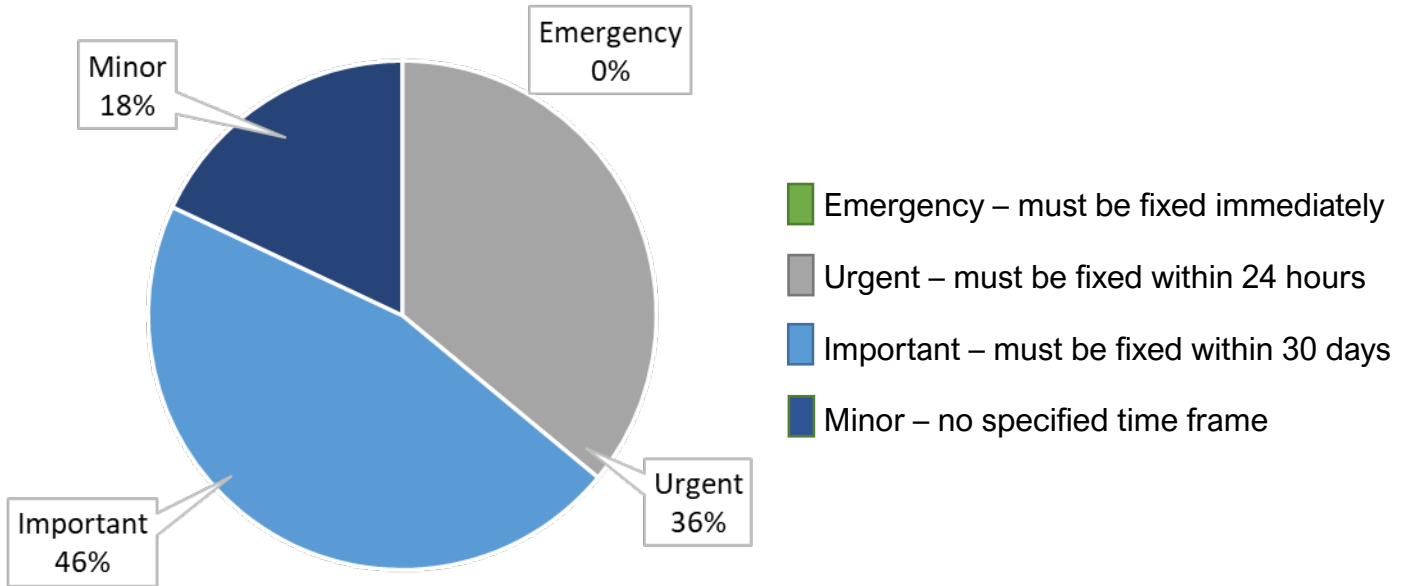


Maintenance Report

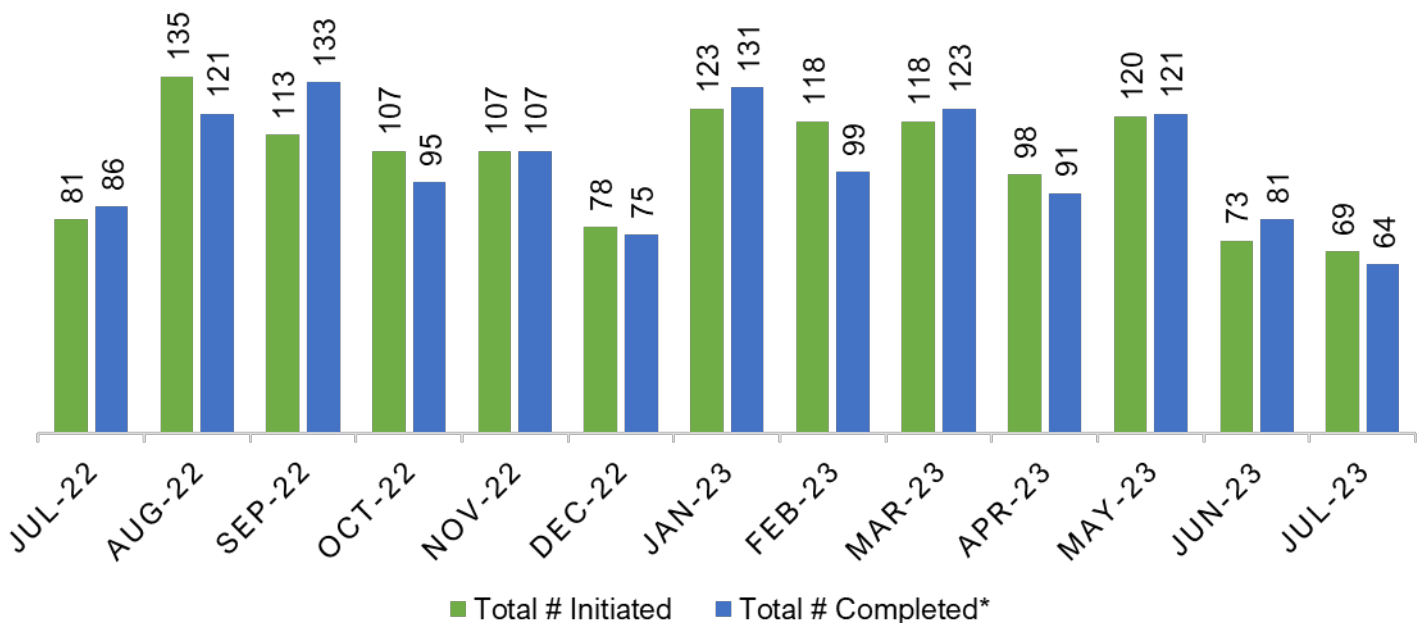
2023 MONTHLY OPERATIONS REPORT

Plant and Pump Stations Maintenance Work Completed

Equipment at our Plant and Pump/Lift stations is maintained by mechanics and other staff through completion of work orders. Staff completed 97.6% of preventative maintenance activities for the month in addition to the following shown below.



Work Orders Initiated and Completed



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



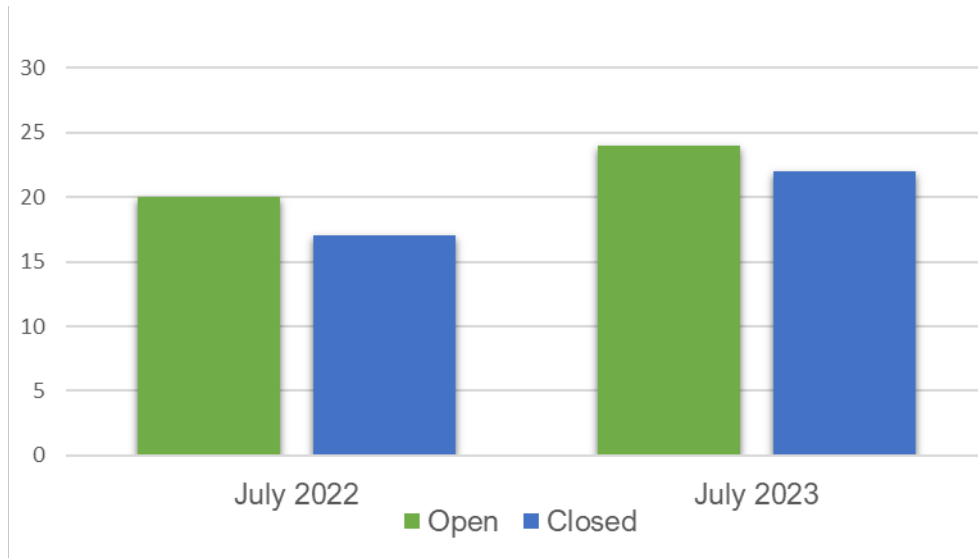
Maintenance Report

2023 MONTHLY OPERATIONS REPORT

Information Technology

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

IT Help Desk Tickets



Managed and Hosted IT Asset Uptime

Asset Name	USD Managed or Hosted by Third Party	% Up time
USD Website	Hosted	99.99%
Email Server	Hosted	100%
Newark Pump Station	USD Managed	99.99%
Boyce Pump Station	USD Managed	99.99%
Irvington Pump Station	USD Managed	99.99%
SCADA	USD Managed	100%
Total Average of All USD Servers	USD Managed	99.96%

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



Capital Improvement Projects

2023 MONTHLY OPERATIONS REPORT

Capital Improvement Project (CIP) Activities

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

Current CIP Projects – Budget and % complete

Current (FY23) CIP Projects	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Alvarado Influent Pump Station Improvements Project	\$9,028	\$8,420	11/21	100%
2 – Irvington Basin Reinforced Concrete Pipe Rehabilitation Project	\$5,291	\$5,205	12/22	98%
3 – Plant Miscellaneous Improvements Project	\$5,544	\$0	9/24	0%
4 – Primary Digester No. 7 Project	\$23,783	\$22,901	5/22	99%
5 – Standby Power Generation System Upgrade Project	\$21,135	\$10,400	6/24	47%



Standby Power Generation System Upgrade Project



Capital Improvement Projects

2023 MONTHLY OPERATIONS REPORT

Design Phase – Budget and % of Completed Scope

Current (FY23) Design Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Force Main Corrosion Repairs Project – Phase 4	\$68	\$64	3/23	94%
2 – Pump Stations Chemical System Improvements Project	\$943	\$655	12/23	77%
3 – Switchboard No. 3 and MCC No. 25 Replacement Project	\$95	\$71	7/22	75%
4 – WAS Thickener Replacement Project	\$1,017	\$928	6/23	91%

Study Phase – Budget and % of Completed Scope

Current (FY23) Study Phase	Budget (\$1,000)	Spent to Date (\$1,000)	Scheduled Completion	Completed Scope
1 – Alvarado Basin Capacity and Condition Assessment	\$70	\$9	12/23	13%
2 – Cogeneration Replacement and Ventilation Study	\$142	\$135	7/22	98%
3 – Digester Efficiency Study	\$353	\$51	11/23	30%
4 – Energy Resiliency Study	\$256	\$271	12/22	98%
5 – Force Main Condition Assessment	\$121	\$36	10/22	60%
6 – Headworks Degritting Study	\$200	\$191	10/22	99%
7 – Primary Digester No. 8 Feasibility Study	\$111	\$137	9/22	90%
8 – Pump Stations Condition Assessment Study	\$250	\$230	8/22	100%
9 – Sea Level Rise Study	\$162	\$162	11/22	99%
10 – Thermal Dryer Feasibility Study	\$128	\$128	7/22	99%



Permitting and Inspections

2023 MONTHLY OPERATIONS REPORT

Sewer Permits Issued

Permits issued upon approved completed plans.

Month	Repairs	Mains	New Laterals*	Secondary Units	Restaurants	Other**	Total
Jul-23	12	2	25	6	0	1	46
Jun-23	23	1	67	14	0	0	105
May-23	28	0	34	12	1	1	76

*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
88	88	4	0	2	7	0	0	13

Pollution Prevention Inspections

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

Total Inspections		Total Monthly Enforcements						
Current Month	Fiscal Year to Date	Verbal Warning	Warning Letter	Notice of Violation	Admin Fine	Legal Action	Notice of Deficiency	Total
42	42	5	2	0	0	0	1	8

Permitted Industrial Businesses

City	Industrial Permits
Fremont	57
Newark	13
Union City	12

Examples of Permitted Industrial Businesses:

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



Staffing and Personnel

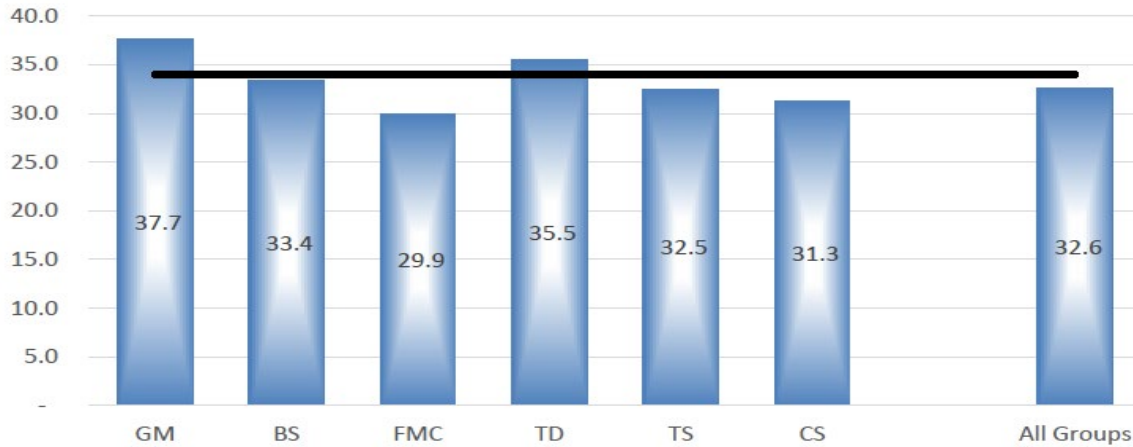
2023 MONTHLY OPERATIONS REPORT

Hours Worked and Leave Time by Work Group

June 22, 2023 through July 19, 2023

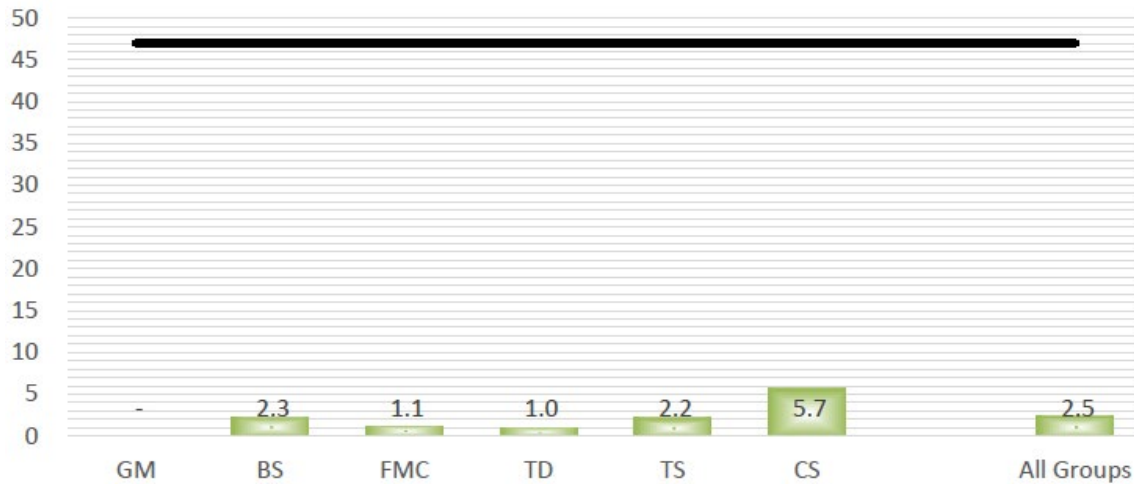
Weeks to Date 4 out of 52 (7.69%)

At-Work Hours Per Employee Per Week



Target is 34

Average Annual Sick Leave Used Per Employee Per Date



Target is 47

Recruitments

Position	Position Posted	Status
Junior/Assistant/Associate Engineer – CIP	4/20/2023	Offer made to top candidate. In background process.
Chemist I/II	6/23/2023	Offer made to top candidate. In background process.
Accounting and Financial Analyst I	6/23/2023	Paris Jones – DOH 8/28/2023



USD TREAT
PROTECT
PRESERVE
est. 1918
TRI-CITY WASTEWATER

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

**AUGUST 28, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 6.B**

TITLE: Fiscal Year 2023 Fourth Quarter Managed Investment Portfolio Report (*This is an Information Item*)

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

Recommendation

Information only.

Discussion

The attached report from PFM shows the District's investment positions for the 4th Quarter of Fiscal Year 2023 (ending June 30, 2023).

This reporting format is intended to supplement the existing Monthly Operations Report provided by Staff for the months of April, May, and June of 2023 and includes the following sections, which will be presented in detail:

- Market Update
- Account Summary
- Portfolio Review
- Disclosures
- Glossary

Representatives from PFM and staff will be available to answer questions.

Background

In October of 2018, the Board authorized the General Manager to sign the Portfolio Management Services Contract with PFM Asset Management LLC (PFM) for investment management services. The strategy behind this decision was to maximize investment returns to the extent practicable, while maintaining compliance with all policy, legal and regulatory requirements for government agency investments. The provision of comprehensive portfolio

reporting and current economic analyses were both deliverables in the contract negotiated with PFM.

Previous Board Action

None

Attachment:

Investment Performance Review for the Quarter Ended June 30, 2023.



UNION SANITARY DISTRICT

Investment Performance Review For the Quarter Ended June 30, 2023

Client Management Team

Monique Spyke, Managing Director
Joseph Creason, Portfolio Manager
Jeremy King, Key Account Manager
Rachael Miller, Client Consultant

PFM Asset Management LLC

1 California Street Ste. 1000
San Francisco, CA 94111-5411
415-393-7270

213 Market Street
Harrisburg, PA 17101-2141
717-232-2723

Agenda

- Market Update
- Account Summary
- Portfolio Review

Market Update

Current Market Themes



- ▶ The U.S. economy is characterized by:
 - ▶ Headline inflation numbers trending lower, but the Fed's current focus, "supercore inflation," is showing little sign of slowing
 - ▶ A labor market that has proven to be exceptionally strong
 - ▶ A more optimistic sentiment around economic growth due to resilient consumer spending



- ▶ Fed temporarily pauses rate hikes
 - ▶ The most aggressive series of interest rate hikes in recent history has come to a temporary pause in June
 - ▶ The Fed's most recent dot plot shows the potential for two additional rate hikes by the end of the year
 - ▶ Rates have moved up due to the Fed's rate trajectory shifting higher, the economy remaining stronger than expected, persistent inflation, and the market's "higher-for-longer" mindset

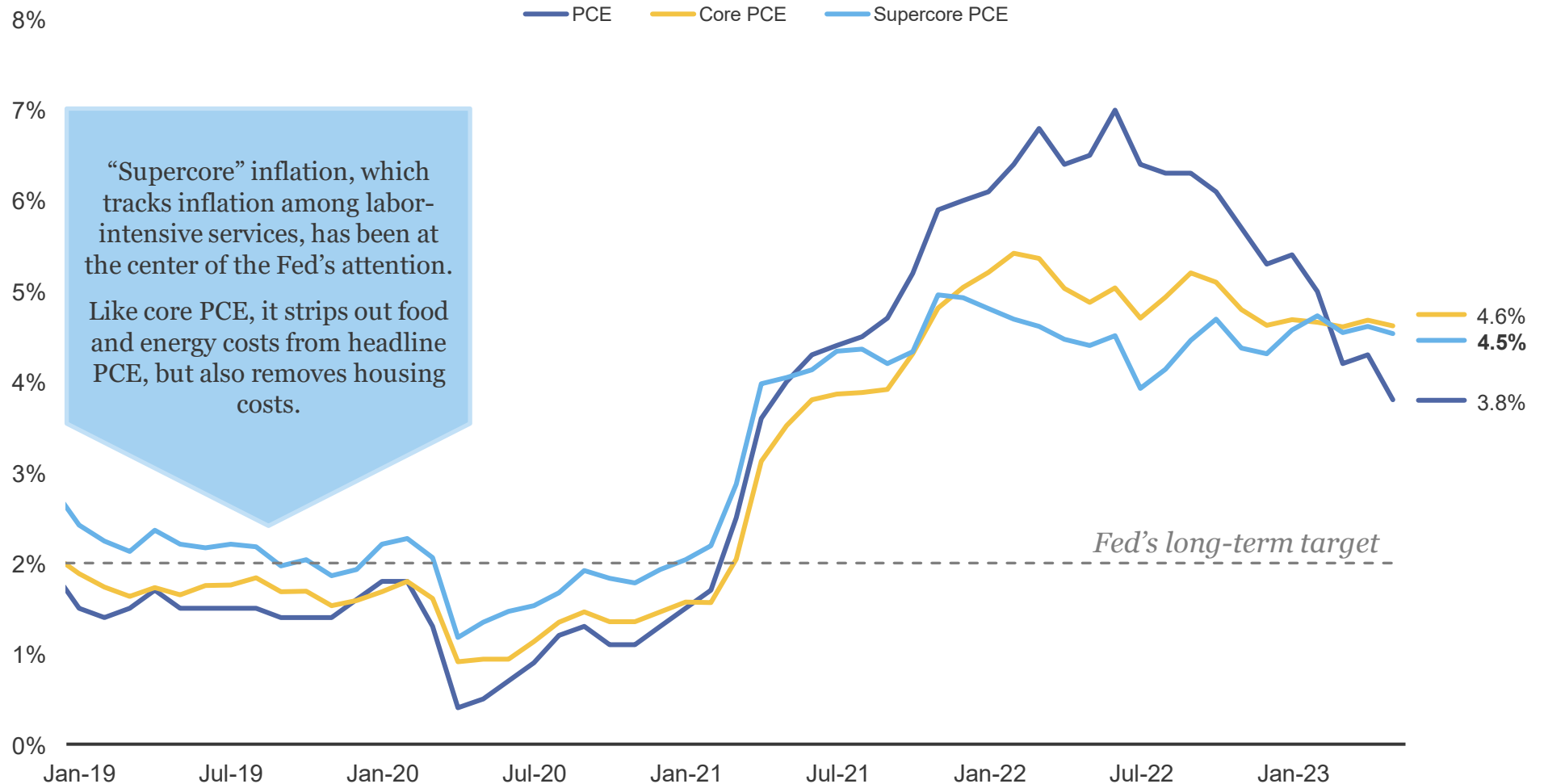


- ▶ Bond markets see continued volatility
 - ▶ The debt ceiling saga incited a separate spate of market volatility due to concern about a potential U.S. default
 - ▶ After plummeting at the end of Q1 due to volatility in the banking sector, short and medium-term yields steadily climbed throughout the quarter, with the 2-year rising over 100 basis points
 - ▶ The curve inversion fell dramatically at the start of Q2, but moved toward historic levels in June

Inflation Measures Remain Above Fed's Target

The Fed's Key Inflation Rate

Personal Consumption Expenditure Price Index, Year-over-year

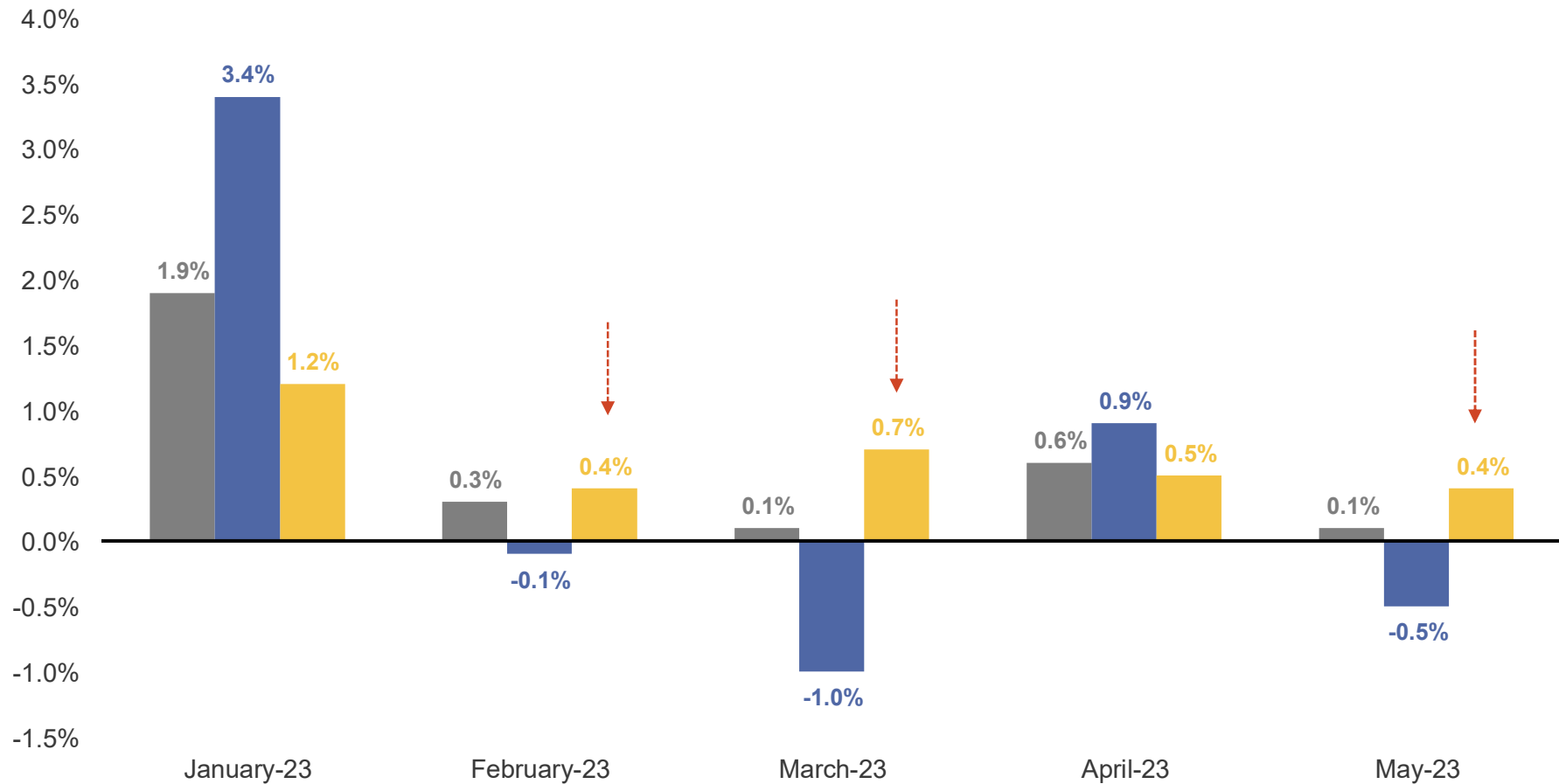


Source: Federal Reserve, Bloomberg, Bureau of Economic Analysis as of May 2023.

Consumers Have Been Spending More on Services

Change in Consumer Spending Month-over-month

■ Consumer Spending ■ Goods ■ Services



Source: Bloomberg, Bureau of Economic Analysis as of May 2023.

Treasury Issuance Expected to Surge Following Debt Ceiling Deal

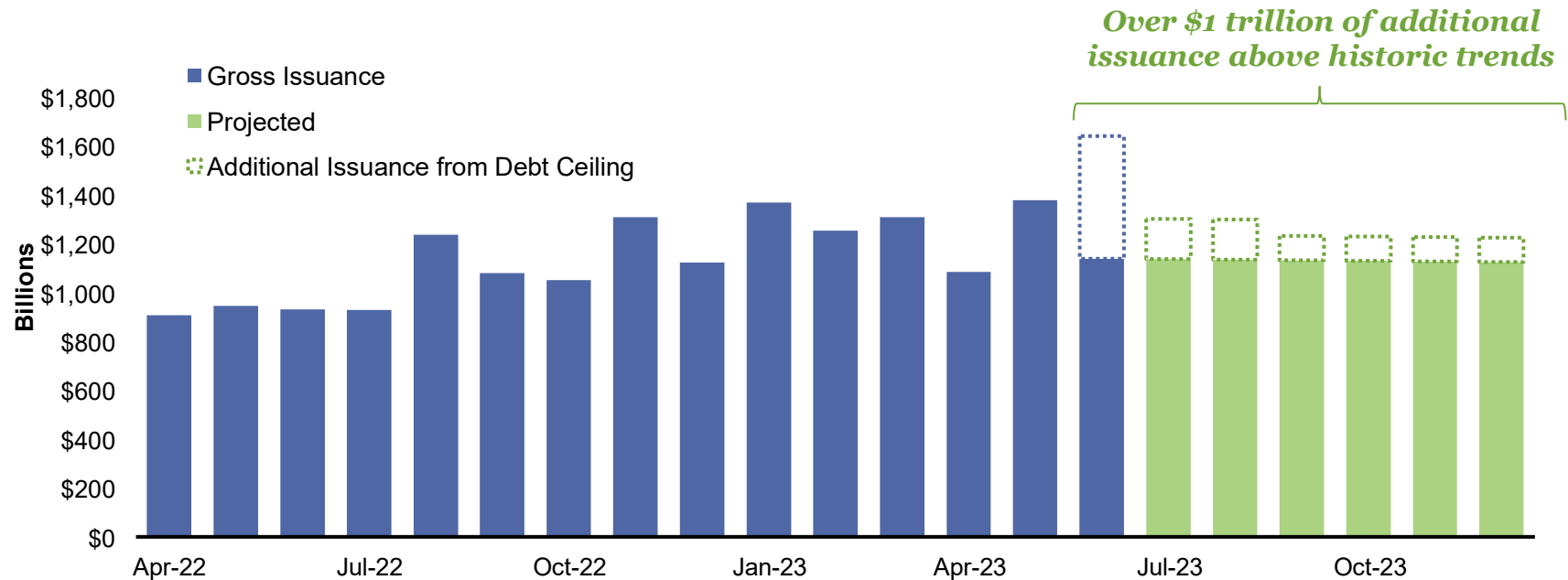
The Reason

The U.S. Treasury needs to refill its depleted general fund while also covering higher outflows and lower tax receipts

The Impact

The net new issuance is expected to pull liquidity out of other markets and place upward pressure on short-term Treasury yields and on other sectors

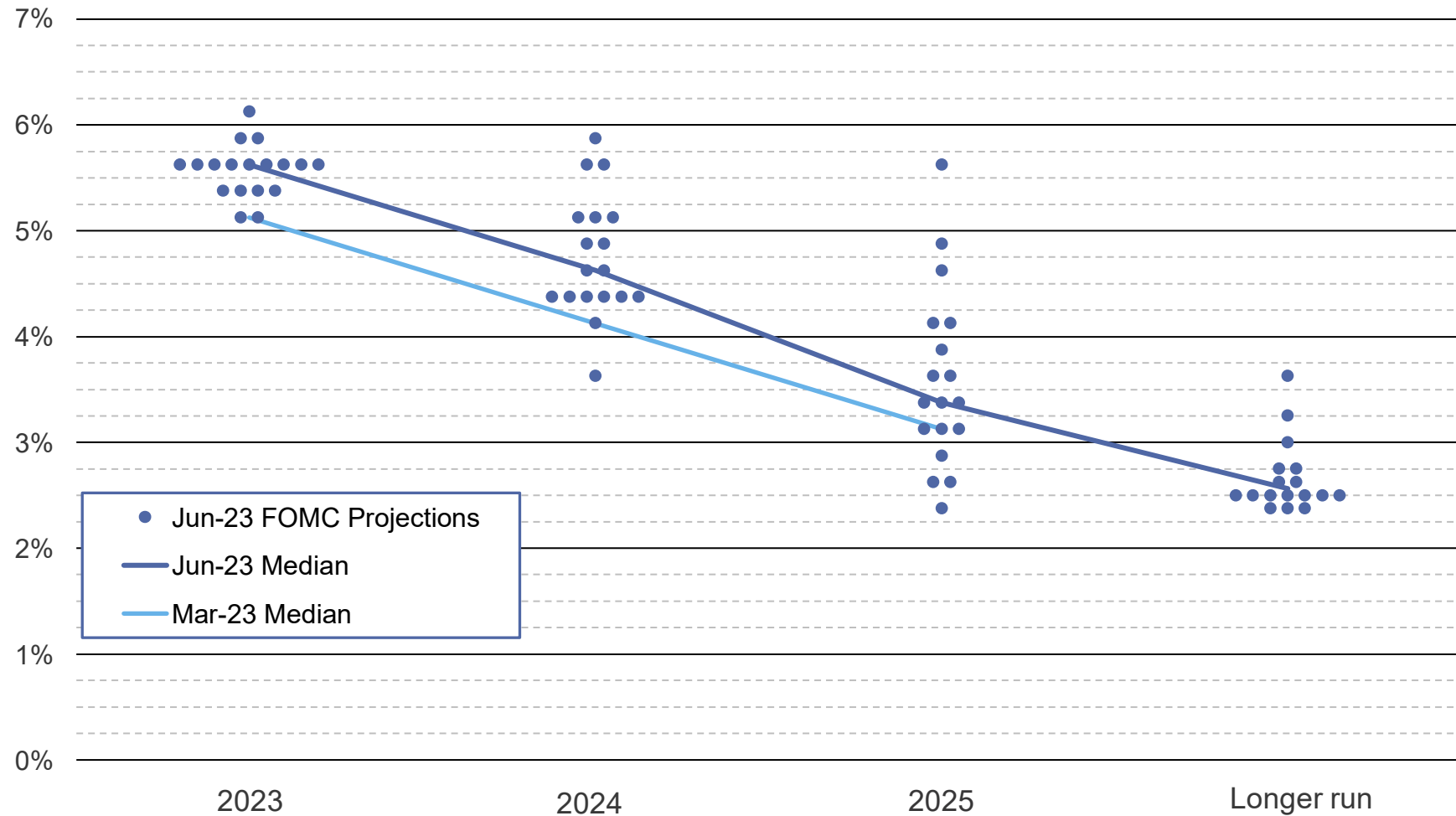
U.S. Treasury Bills Issuance



Source: Bloomberg, SIFMA, U.S. Treasury, Bank of America Global Strategy for U.S. Treasury issuance projections as of June 2023.

Fed's "Dot Plot" Shows We Are Nearing Sufficiently Restrictive Territory

Fed Participants' Assessments of 'Appropriate' Monetary Policy



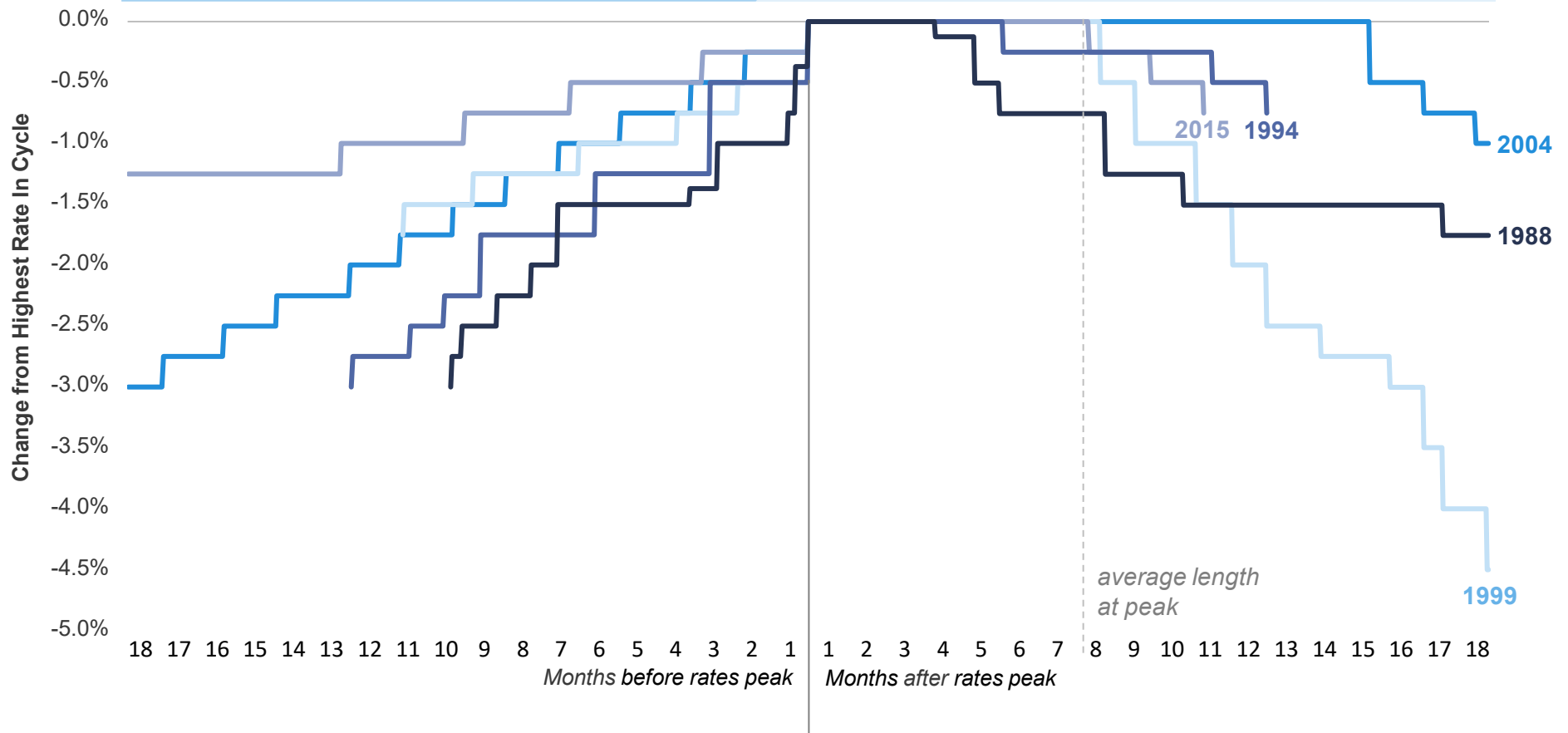
Source: Federal Reserve and Bloomberg. Individual dots represent each Fed members' judgement of the midpoint of the appropriate target range for the federal funds rate at each year-end.

How Long Have Rates Stayed at the Peak?

Federal Funds Rate Cycles

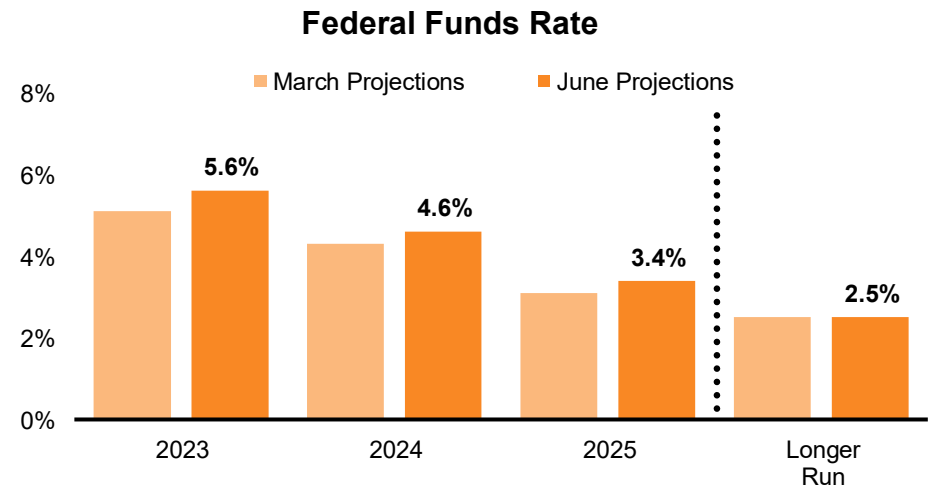
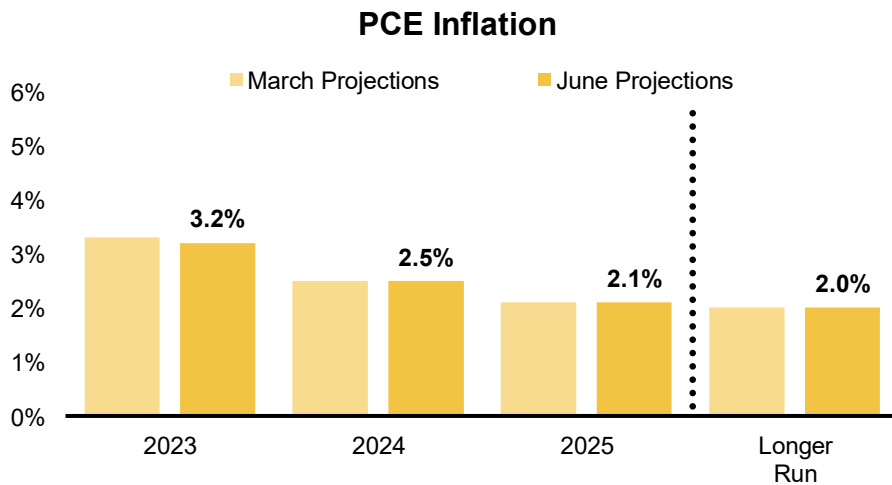
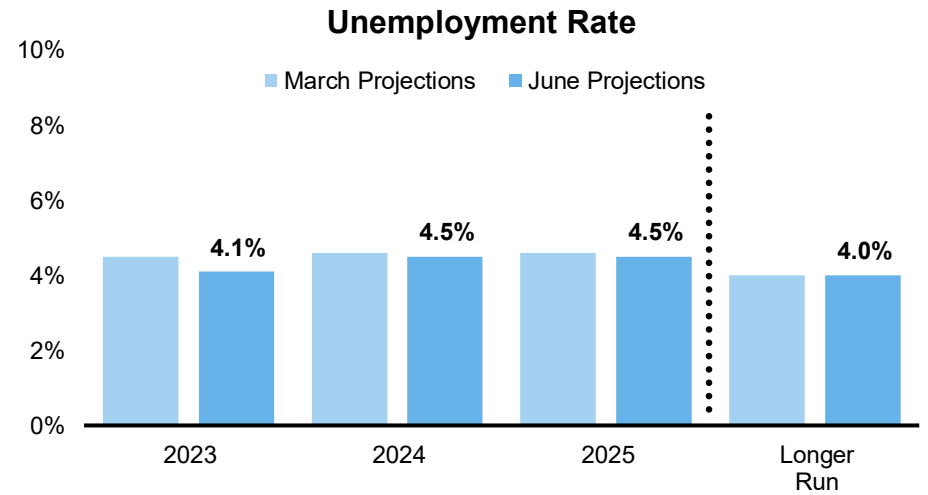
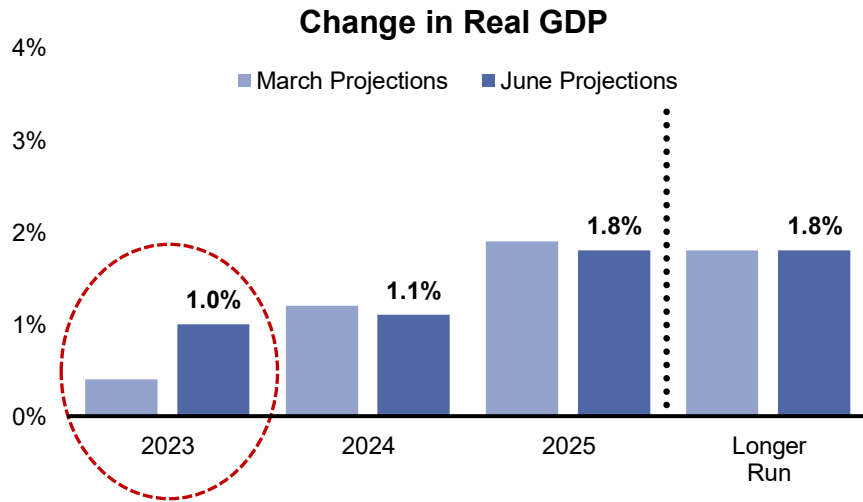
Peaks of previous Fed rate cycles, indexed to 0%

Once the Fed reaches their peak Fed Funds rate, they have historically held rates at that level for around **8 months**



Source: Federal Reserve, Bloomberg.

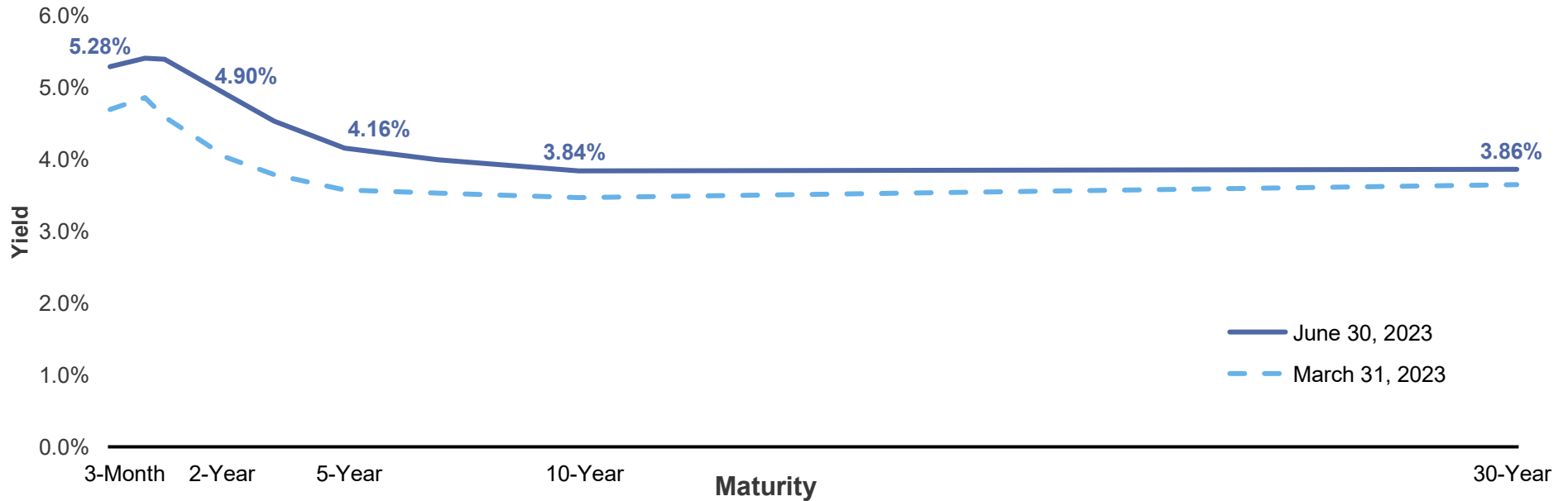
Fed's Updated June Projections Reflect Stronger Economic Expectations for 2023



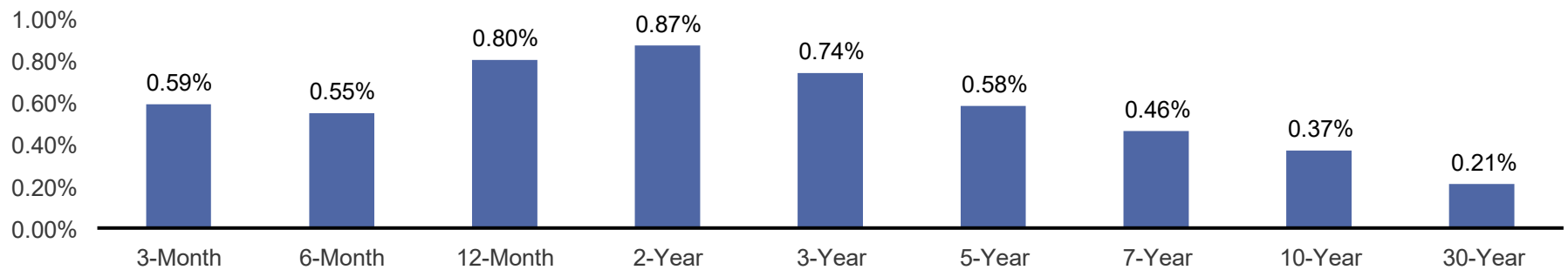
Source: Federal Reserve, latest economic projections as of June 2023.

Interest Rates Rise as “Higher-for-Longer” Mantra Sets In

U.S. Treasury Yield Curve



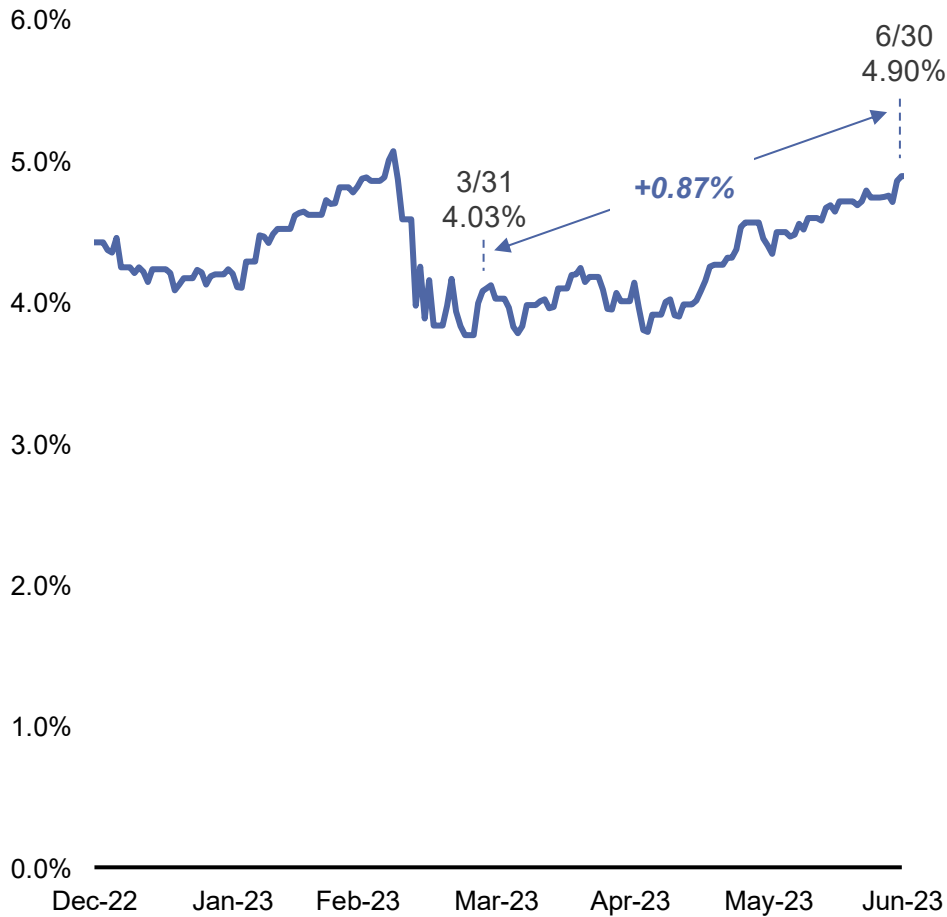
Yield Changes by Maturity from March 31 – June 30, 2023



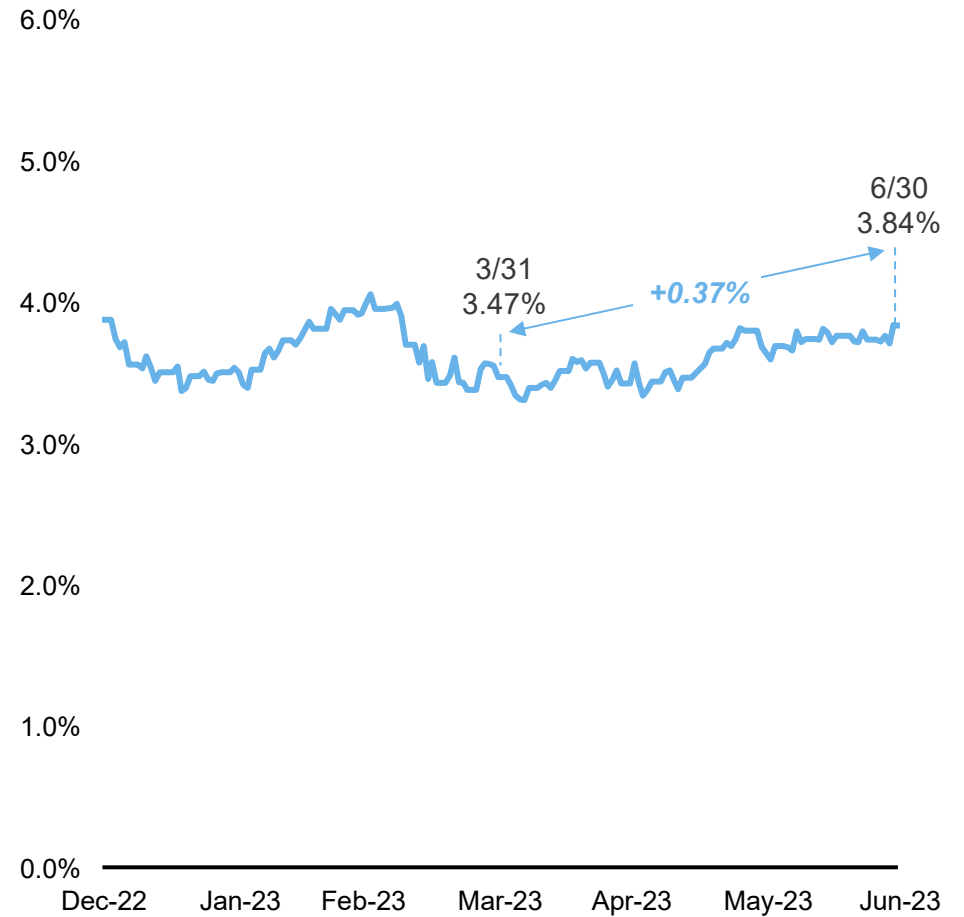
Source: Bloomberg, as of 06/30/2023.

Treasury Yields Move Upward on Expectation for Future Rate Increases

2-Year Treasury Yield



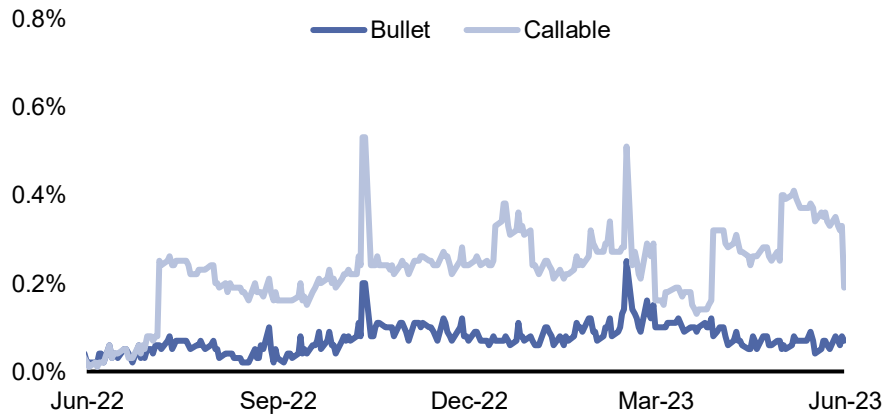
10-Year Treasury Yield



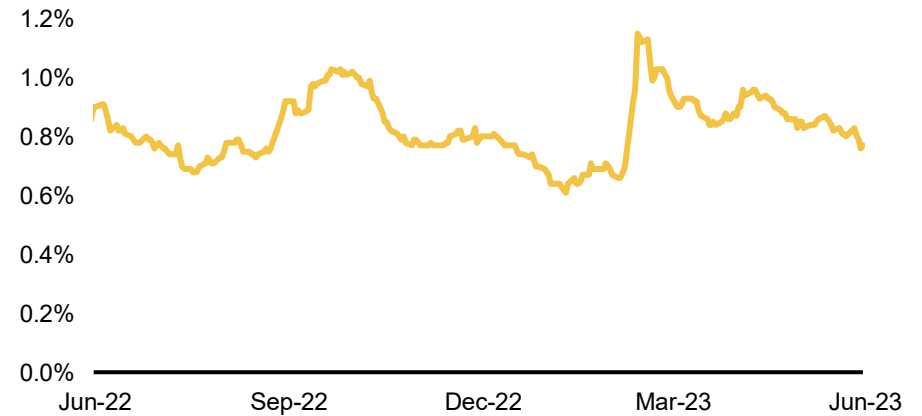
Source: Bloomberg, as of 06/30/2023.

Sector Yield Spreads

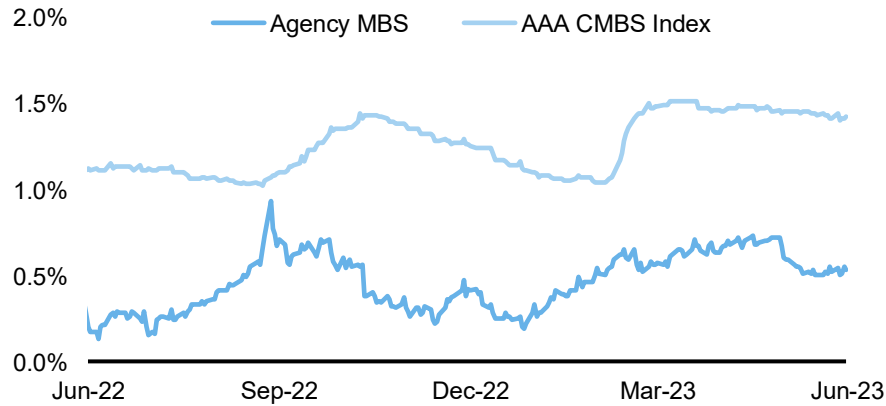
Federal Agency Yield Spreads



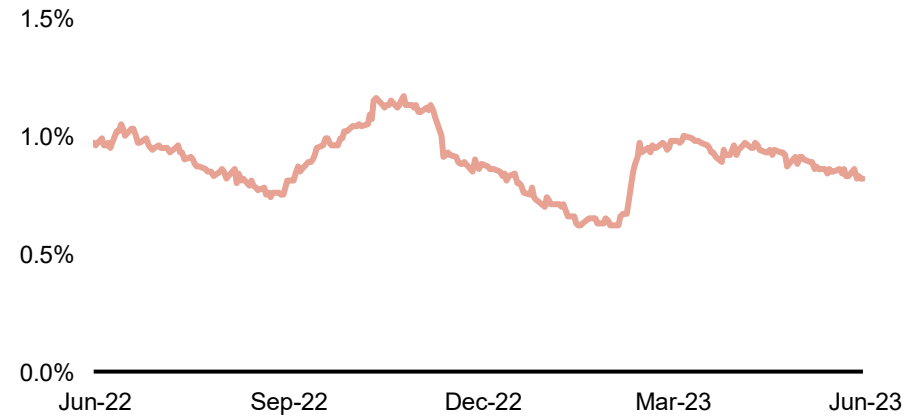
Corporate Notes A-AAA Yield Spreads



Mortgage-Backed Securities Yield Spreads



Asset-Backed Securities AAA Yield Spreads

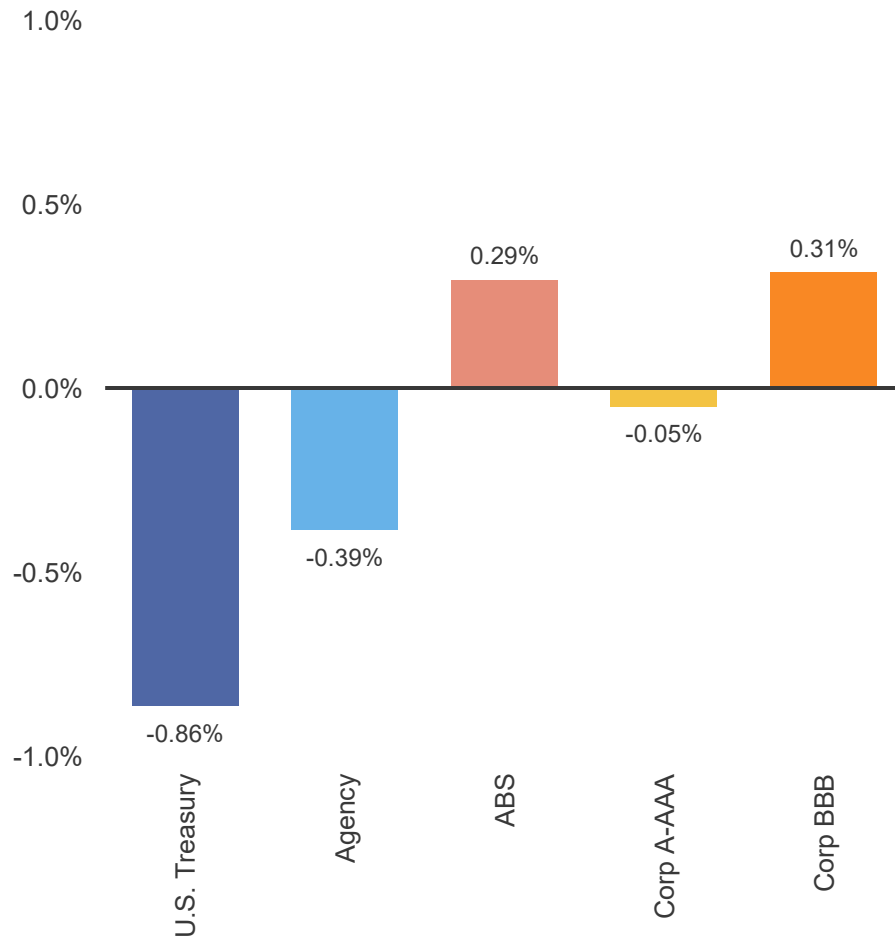


Source: ICE BofAML 1-5 year Indices via Bloomberg, MarketAxess and PFMAM as of 06/30/2023. Spreads on ABS and MBS are option-adjusted spreads of 0-5 year indices based on weighted average life; spreads on agencies are relative to comparable maturity Treasuries. CMBS is Commercial Mortgage-Backed Securities.

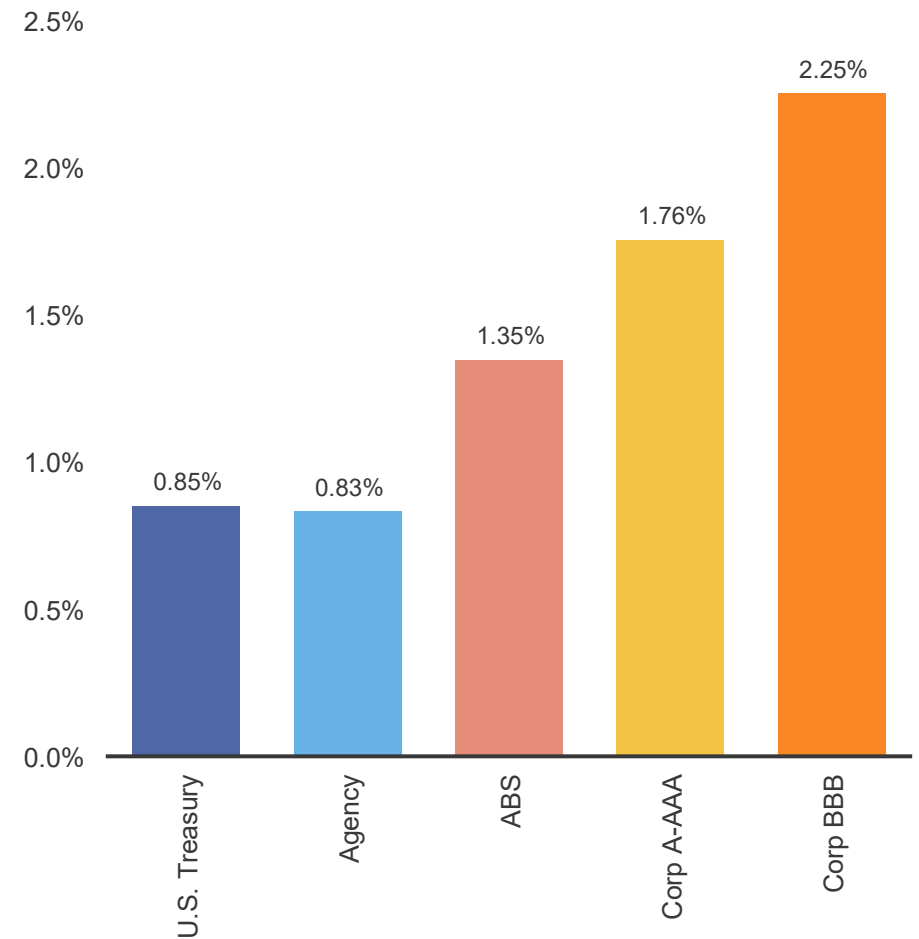
Fixed-Income Markets in Q2 2023

1-5 Year Indices

1-5 Year Indices Quarterly Returns



10-Year Average



Source: ICE BofAML Indices. ABS indices are 0-5 year, based on weighted average life. As of 6/30/2023.

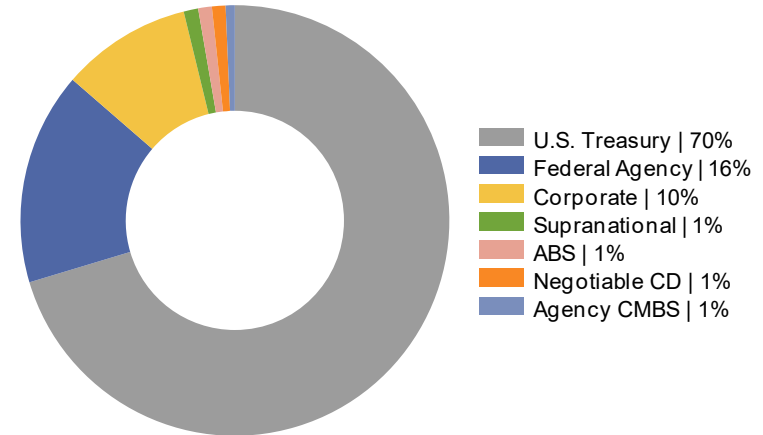
Account Summary

Consolidated Summary

Account Summary

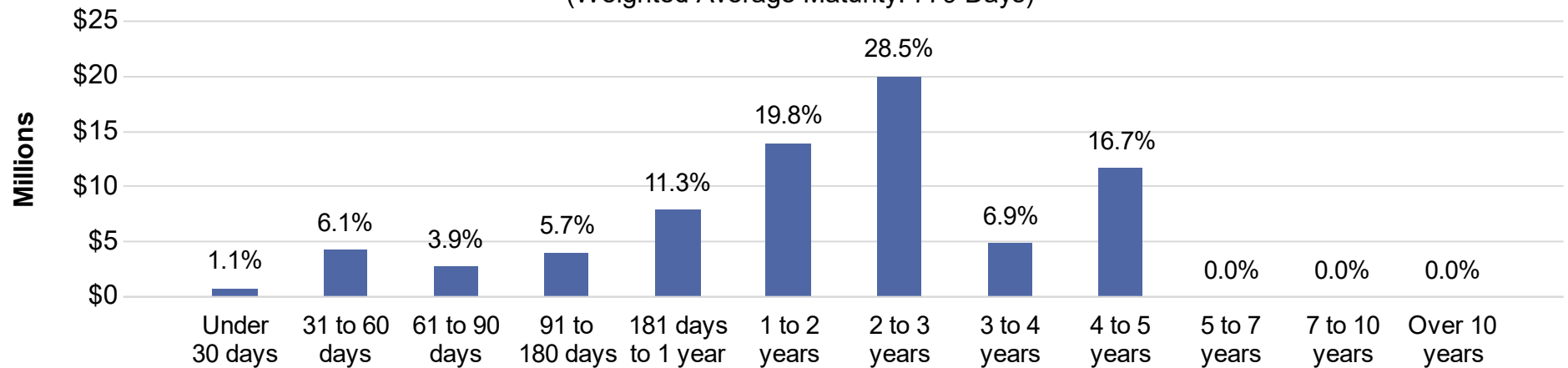
PFMAM Managed Account	\$70,008,863
Total Program	\$70,008,863

Sector Allocation



Maturity Distribution

(Weighted Average Maturity: 779 Days)



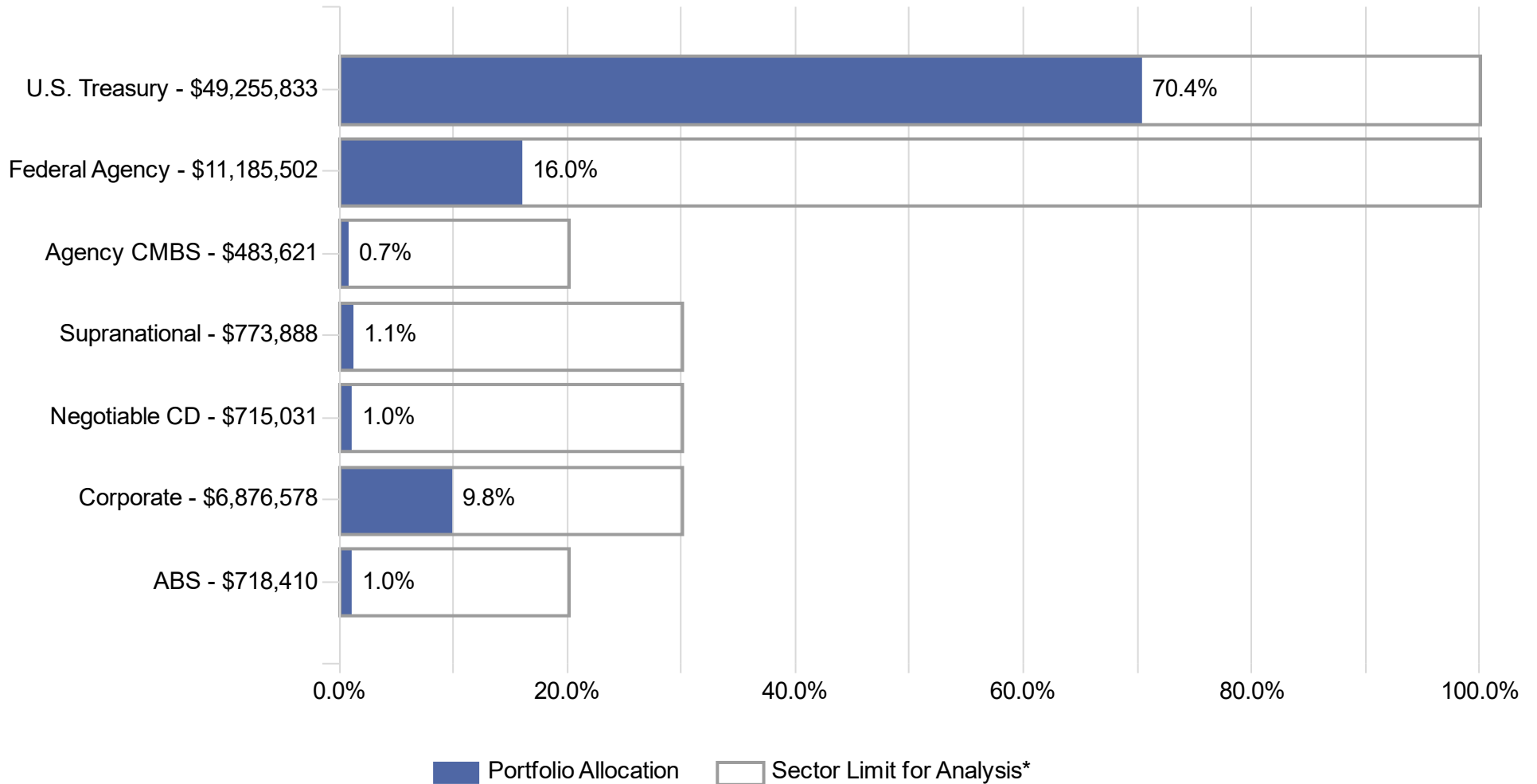
Account summary and sector allocation include market values, accrued interest, and overnight balances. Maturity distribution includes market values and excludes accrued interest and overnight balances

Account Summary

UNION SANITARY DISTRICT					
Portfolio Values		June 30, 2023	Analytics ¹		June 30, 2023
PFMAM Managed Account		\$69,776,853	Yield at Market		4.82%
Amortized Cost		\$73,065,187	Yield on Cost		2.07%
Market Value		\$69,776,853	Portfolio Duration		1.97
Accrued Interest		\$232,010			
Cash		\$0			

1. Yield at market, yield on cost, and portfolio duration only include investments held within the separately managed account(s), excludes balances invested in overnight funds.

Sector Allocation Analytics



For informational/analytical purposes only and is not provided for compliance assurance. Includes accrued interest.

**Sector Limit for Analysis is as derived from our interpretation of your most recent Investment Policy as provided.*

Issuer Diversification

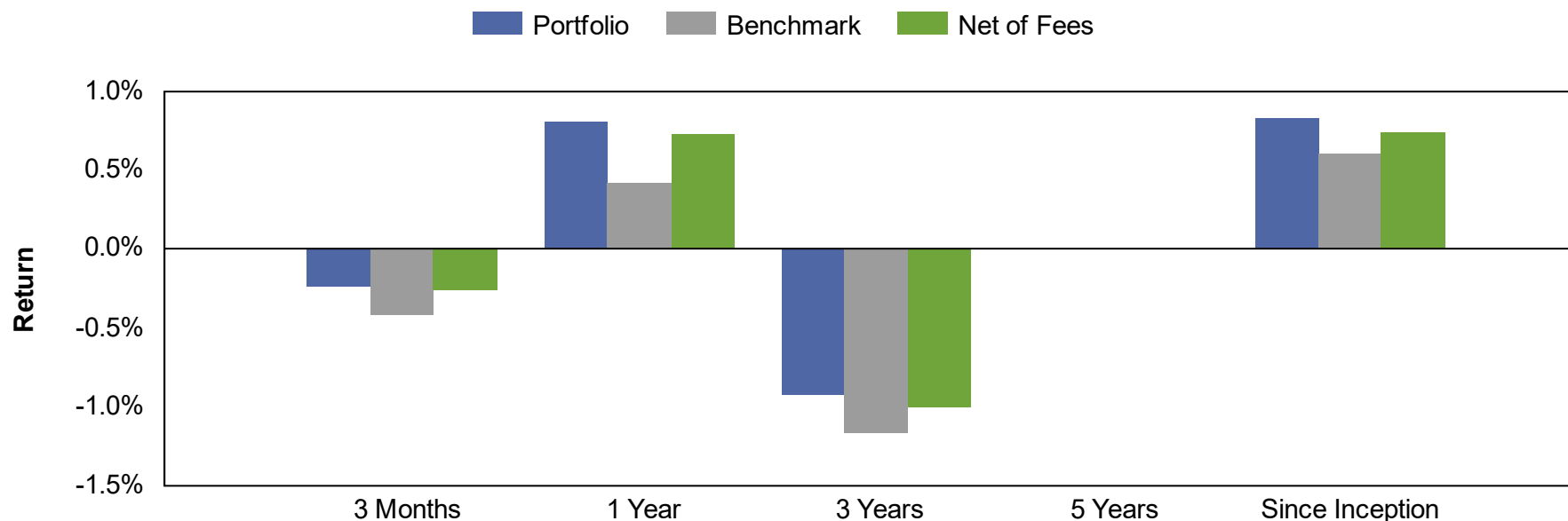
Security Type / Issuer	Market Value (%)	S&P / Moody's / Fitch
U.S. Treasury	70.4%	
UNITED STATES TREASURY	70.4%	AA / Aaa / AAA
Federal Agency	16.0%	
FANNIE MAE	8.0%	AA / Aaa / AAA
FEDERAL FARM CREDIT BANKS	2.3%	AA / Aaa / AAA
FEDERAL HOME LOAN BANKS	0.7%	AA / Aa / NR
FREDDIE MAC	5.0%	AA / Aaa / AAA
Agency CMBS	0.7%	
FREDDIE MAC	0.7%	AA / Aaa / AAA
Supranational	1.1%	
INTER-AMERICAN DEVELOPMENT BANK	1.1%	AAA / Aaa / AAA
Negotiable CD	1.0%	
TORONTO-DOMINION BANK	1.0%	A / A / NR
Corporate	9.8%	
BANK OF AMERICA CO	1.5%	A / A / AA
BRISTOL-MYERS SQUIBB CO	0.3%	A / A / NR
CITIGROUP INC	0.4%	BBB / A / A
DEERE & COMPANY	0.8%	A / A / A
GOLDMAN SACHS GROUP INC	0.5%	BBB / A / A
HOME DEPOT INC	1.0%	A / A / A
JP MORGAN CHASE & CO	1.1%	A / A / AA
MICROSOFT CORP	1.0%	AAA / Aaa / NR
NOVARTIS AG	1.1%	AA / A / AA
TARGET CORP	0.7%	A / A / A
THE BANK OF NEW YORK MELLON CORPORATION	1.0%	A / A / AA
TOYOTA MOTOR CORP	0.6%	A / A / A

Security Type / Issuer	Market Value (%)	S&P / Moody's / Fitch
ABS	1.0%	
CARMAX AUTO OWNER TRUST	0.3%	AAA / NR / AAA
DISCOVER FINANCIAL SERVICES	0.2%	AAA / Aaa / NR
HONDA AUTO RECEIVABLES	0.1%	NR / Aaa / AAA
HYUNDAI AUTO RECEIVABLES	0.2%	AAA / NR / AAA
TOYOTA MOTOR CORP	0.2%	AAA / Aaa / NR
Total	100.0%	

Ratings shown are calculated by assigning a numeral value to each security rating, then calculating a weighted average rating for each security type / issuer category using all available security ratings, excluding Not-Rated (NR) ratings. For security type / issuer categories where a rating from the applicable NRSRO is not available, a rating of NR is assigned. Includes accrued interest and excludes balances invested in overnight funds.

Portfolio Review

Portfolio Performance



Market Value Basis Earnings	3 Months	1 Year	3 Years	5 Years	Since Inception ¹
Interest Earned ²	\$250,859	\$904,230	\$2,558,353	-	\$3,929,601
Change in Market Value	(\$415,940)	(\$342,525)	(\$4,597,293)	-	(\$2,321,949)
Total Dollar Return	(\$165,081)	\$561,705	(\$2,038,940)	-	\$1,607,652
Total Return³					
Portfolio	-0.24%	0.81%	-0.92%	-	0.83%
Benchmark ⁴	-0.42%	0.42%	-1.16%	-	0.60%
Basis Point Fee	0.02%	0.08%	0.09%	-	0.09%
Net of Fee Return	-0.25%	0.73%	-1.00%	-	0.75%

1. The lesser of 10 years or since inception is shown. Since inception returns for periods one year or less are not shown. Performance inception date is March 31, 2019.

2. Interest earned calculated as the ending accrued interest less beginning accrued interest, plus net interest activity.

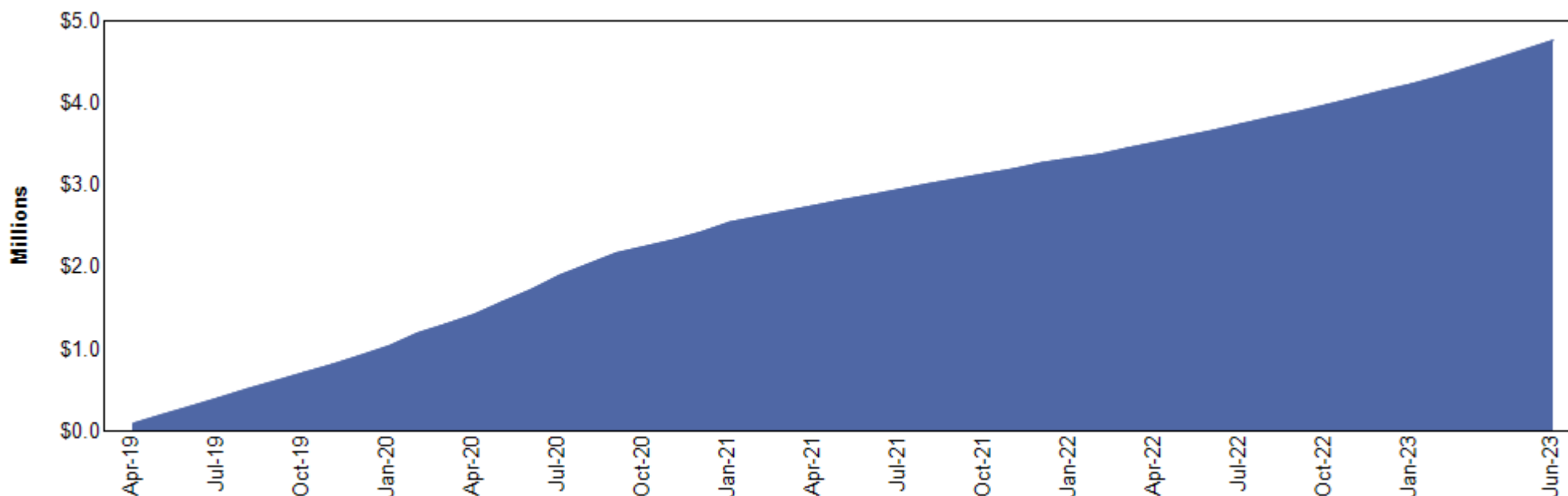
3. Returns for periods one year or less are presented on a periodic basis. Returns for periods greater than one year are presented on an annualized basis.

4. The portfolio's benchmark is the ICE BofA 0-5 Year U.S. Treasury Index. Source: Bloomberg.

Periodic Performance

Periodic Performance				
	Current Quarter	Q1 2023	Q4 2022	Since Inception 3/31/2019
Net Accrual Earnings	\$250,859	\$230,075	\$217,473	\$3,929,601
Change in Market Value	(\$415,940)	\$923,243	\$388,131	(\$2,321,949)
Total Dollar Return	(\$165,081)	\$1,153,318	\$605,604	\$1,607,652
Fees in Basis Points	0.02%	0.02%	0.02%	0.09%
Net of Fees Return	-0.25%	1.04%	0.85%	0.75%

Accrual Basis Earnings - UNION SANITARY DISTRICT



Accrual Basis Earnings	3 Months	1 Year	3 Years	5 Year	Since Inception ¹
Interest Earned ²	\$250,859	\$904,230	\$2,558,353	-	\$3,929,601
Realized Gains / (Losses) ³	\$123	(\$28,622)	\$281,913	-	\$531,278
Change in Amortized Cost	\$80,709	\$223,688	\$199,332	-	\$305,589
Total Earnings	\$331,691	\$1,099,296	\$3,039,598	-	\$4,766,468

1. The lesser of 10 years or since inception is shown. Performance inception date is March 31, 2019.
 2. Interest earned calculated as the ending accrued interest less beginning accrued interest, plus net interest activity.
 3. Realized gains / (losses) are shown on an amortized cost basis.

Issuer Distribution As of June 30, 2023

Issuer	Market Value (\$)	% of Portfolio
UNITED STATES TREASURY	49,130,860	70.41%
FANNIE MAE	5,562,953	7.97%
FREDDIE MAC	3,949,592	5.66%
FEDERAL FARM CREDIT BANKS	1,607,255	2.30%
BANK OF AMERICA CO	1,044,804	1.50%
INTER-AMERICAN DEVELOPMENT BANK	772,772	1.11%
JP MORGAN CHASE & CO	745,477	1.07%
NOVARTIS AG	735,917	1.05%
TORONTO-DOMINION BANK	689,555	0.99%
MICROSOFT CORP	685,276	0.98%
HOME DEPOT INC	683,468	0.98%
THE BANK OF NEW YORK MELLON CORPORATION	669,587	0.96%
TOYOTA MOTOR CORP	578,797	0.83%
DEERE & COMPANY	531,731	0.76%
FEDERAL HOME LOAN BANKS	517,156	0.74%
TARGET CORP	507,839	0.73%
GOLDMAN SACHS GROUP INC	366,901	0.53%
CITIGROUP INC	267,966	0.38%
BRISTOL-MYERS SQUIBB CO	182,311	0.26%
CARMAX AUTO OWNER TRUST	177,967	0.26%
HYUNDAI AUTO RECEIVABLES	160,522	0.23%
DISCOVER FINANCIAL SERVICES	145,856	0.21%
HONDA AUTO RECEIVABLES	62,292	0.09%
Grand Total	69,776,853	100.00%

Managed Account Detail of Securities Held

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
U.S. Treasury											
US TREASURY NOTES DTD 08/01/2016 1.250% 07/31/2023	912828S92	1,035,000.00	AA+	Aaa	4/1/2019	4/2/2019	990,365.62	2.30	5,396.58	1,034,153.05	1,031,603.96
US TREASURY N/B NOTES DTD 07/31/2021 0.125% 07/31/2023	91282CCN9	2,710,000.00	AA+	Aaa	6/28/2023	6/30/2023	2,698,567.19	5.07	1,413.02	2,698,935.99	2,698,990.63
US TREASURY NOTES DTD 09/15/2020 0.125% 09/15/2023	91282CAK7	1,100,000.00	AA+	Aaa	6/29/2022	6/30/2022	1,062,703.13	3.00	403.53	1,093,586.96	1,088,656.25
US TREASURY NOTES DTD 09/30/2016 1.375% 09/30/2023	912828T26	1,545,000.00	AA+	Aaa	3/19/2019	3/20/2019	1,475,112.89	2.44	5,339.96	1,541,157.26	1,530,274.30
US TREASURY N/B NOTES DTD 11/30/2021 0.500% 11/30/2023	91282CDM0	2,505,000.00	AA+	Aaa	12/21/2021	12/21/2021	2,496,878.32	0.67	1,060.86	2,503,258.82	2,455,682.81
US TREASURY NOTES DTD 01/03/2017 2.250% 12/31/2023	912828V23	2,000,000.00	AA+	Aaa	3/19/2019	3/20/2019	1,982,968.75	2.44	122.28	1,998,215.96	1,969,687.60
US TREASURY NOTES DTD 02/28/2017 2.125% 02/29/2024	912828W48	2,000,000.00	AA+	Aaa	3/19/2019	3/20/2019	1,970,625.00	2.44	14,205.16	1,996,049.74	1,957,500.00
US TREASURY NOTES DTD 03/31/2017 2.125% 03/31/2024	912828W71	730,000.00	AA+	Aaa	3/2/2020	3/2/2020	767,412.50	0.84	3,899.32	736,879.88	712,434.38
US TREASURY NOTES DTD 05/01/2017 2.000% 04/30/2024	912828X70	590,000.00	AA+	Aaa	6/3/2019	6/7/2019	592,996.09	1.89	1,988.04	590,509.12	573,498.41
US TREASURY N/B NOTES DTD 05/15/2021 0.250% 05/15/2024	91282CCC3	2,530,000.00	AA+	Aaa	12/21/2021	12/21/2021	2,496,101.95	0.81	807.81	2,517,655.85	2,418,917.31
US TREASURY NOTES DTD 06/30/2017 2.000% 06/30/2024	912828XX3	355,000.00	AA+	Aaa	7/1/2019	7/3/2019	358,660.93	1.78	19.29	355,732.59	343,296.08
US TREASURY NOTES DTD 10/31/2019 1.500% 10/31/2024	912828YM6	60,000.00	AA+	Aaa	1/11/2021	1/12/2021	62,655.47	0.33	151.63	60,933.62	57,084.37
US TREASURY N/B NOTES DTD 12/15/2021 1.000% 12/15/2024	91282CDN8	2,495,000.00	AA+	Aaa	12/21/2021	12/21/2021	2,498,216.21	0.96	1,090.71	2,496,572.70	2,348,029.03
US TREASURY NOTES DTD 05/31/2020 0.250% 05/31/2025	912828ZT0	2,570,000.00	AA+	Aaa	12/21/2021	12/21/2021	2,499,525.78	1.06	544.20	2,530,754.21	2,351,550.00
US TREASURY NOTES DTD 05/31/2020 0.250% 05/31/2025	912828ZT0	1,020,000.00	AA+	Aaa	5/17/2021	5/17/2021	1,005,576.56	0.61	215.98	1,013,154.98	933,300.00

UNION SANITARY DISTRICT

Portfolio Holdings

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
U.S. Treasury											
US TREASURY N/B NOTES DTD 06/15/2022 2.875% 06/15/2025	91282CEU1	865,000.00	AA+	Aaa	6/15/2022	6/15/2022	849,963.87	3.49	1,087.16	855,190.85	832,021.88
US TREASURY NOTES DTD 08/31/2020 0.250% 08/31/2025	91282CAJ0	410,000.00	AA+	Aaa	8/13/2021	8/16/2021	403,417.58	0.65	342.59	406,467.97	371,946.88
US TREASURY NOTES DTD 08/31/2020 0.250% 08/31/2025	91282CAJ0	500,000.00	AA+	Aaa	8/2/2021	8/2/2021	494,433.59	0.53	417.80	497,041.21	453,593.75
US TREASURY NOTES DTD 09/30/2020 0.250% 09/30/2025	91282CAM3	1,060,000.00	AA+	Aaa	9/7/2021	9/9/2021	1,042,195.31	0.67	666.12	1,050,124.52	959,962.50
US TREASURY NOTES DTD 10/31/2020 0.250% 10/31/2025	91282CAT8	555,000.00	AA+	Aaa	10/1/2021	10/1/2021	542,664.26	0.80	233.76	547,942.73	500,887.50
US TREASURY NOTES DTD 11/30/2020 0.375% 11/30/2025	91282CAZ4	1,020,000.00	AA+	Aaa	11/2/2021	11/3/2021	994,061.72	1.01	323.97	1,004,607.86	920,550.00
US TREASURY NOTES DTD 11/30/2020 0.375% 11/30/2025	91282CAZ4	2,575,000.00	AA+	Aaa	12/21/2021	12/21/2021	2,498,856.45	1.14	817.88	2,528,309.20	2,323,937.50
US TREASURY NOTES DTD 12/31/2020 0.375% 12/31/2025	91282CBC4	137,000.00	AA+	Aaa	5/3/2021	5/3/2021	134,629.26	0.75	1.40	135,727.62	123,492.65
US TREASURY NOTES DTD 12/31/2020 0.375% 12/31/2025	91282CBC4	535,000.00	AA+	Aaa	4/5/2021	4/7/2021	522,314.65	0.89	5.45	528,294.15	482,252.32
US TREASURY NOTES DTD 12/31/2020 0.375% 12/31/2025	91282CBC4	600,000.00	AA+	Aaa	5/6/2021	5/7/2021	590,343.75	0.73	6.12	594,805.29	540,843.72
US TREASURY NOTES DTD 12/31/2020 0.375% 12/31/2025	91282CBC4	755,000.00	AA+	Aaa	1/22/2021	1/25/2021	752,847.07	0.43	7.70	753,907.40	680,561.68
US TREASURY NOTES DTD 01/31/2021 0.375% 01/31/2026	91282CBH3	580,000.00	AA+	Aaa	5/19/2022	5/20/2022	529,884.38	2.85	907.25	544,970.96	520,640.59
US TREASURY NOTES DTD 01/31/2021 0.375% 01/31/2026	91282CBH3	590,000.00	AA+	Aaa	7/2/2021	7/7/2021	578,660.94	0.80	922.89	583,579.74	529,617.16
US TREASURY NOTES DTD 01/31/2021 0.375% 01/31/2026	91282CBH3	1,000,000.00	AA+	Aaa	6/29/2022	6/30/2022	905,273.44	3.19	1,564.23	931,718.84	897,656.20
US TREASURY NOTES DTD 01/31/2019 2.625% 01/31/2026	9128286A3	715,000.00	AA+	Aaa	2/4/2021	2/4/2021	791,164.26	0.46	7,828.95	754,503.42	680,367.19
US TREASURY NOTES DTD 02/28/2021 0.500% 02/28/2026	91282CBQ3	1,040,000.00	AA+	Aaa	12/3/2021	12/7/2021	1,011,968.75	1.15	1,738.04	1,022,335.23	934,212.45
US TREASURY NOTES DTD 02/28/2021 0.500% 02/28/2026	91282CBQ3	1,260,000.00	AA+	Aaa	3/4/2021	3/5/2021	1,242,970.31	0.78	2,105.71	1,250,900.67	1,131,834.31

UNION SANITARY DISTRICT

Portfolio Holdings

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
U.S. Treasury											
US TREASURY N/B NOTES DTD 04/30/2021 0.750% 04/30/2026	91282CBW0	245,000.00	AA+	Aaa	5/27/2021	5/28/2021	244,387.50	0.80	309.58	244,647.76	220,653.13
US TREASURY NOTES DTD 05/16/2016 1.625% 05/15/2026	912828R36	518,000.00	AA+	Aaa	12/21/2021	12/21/2021	527,429.22	1.20	1,075.06	524,158.94	478,097.84
US TREASURY N/B NOTES DTD 05/31/2021 0.750% 05/31/2026	91282CCF6	395,000.00	AA+	Aaa	6/1/2021	6/1/2021	393,750.20	0.81	250.92	394,270.66	354,759.38
US TREASURY NOTES DTD 08/15/2016 1.500% 08/15/2026	9128282A7	1,125,000.00	AA+	Aaa	10/4/2022	10/4/2022	1,024,672.85	4.01	6,339.78	1,043,870.82	1,028,320.31
US TREASURY N/B NOTES DTD 09/30/2021 0.875% 09/30/2026	91282CCZ2	645,000.00	AA+	Aaa	5/9/2022	5/10/2022	589,041.21	3.00	1,418.65	603,589.10	577,073.44
US TREASURY NOTES DTD 02/15/2017 2.250% 02/15/2027	912828V98	435,000.00	AA+	Aaa	7/5/2022	7/7/2022	423,751.17	2.85	3,677.07	426,149.23	404,482.05
US TREASURY NOTES DTD 05/15/2017 2.375% 05/15/2027	912828X88	310,000.00	AA+	Aaa	8/1/2022	8/1/2022	305,446.88	2.70	940.32	306,316.87	288,687.50
US TREASURY NOTES DTD 08/15/2017 2.250% 08/15/2027	9128282R0	1,365,000.00	AA+	Aaa	9/1/2022	9/6/2022	1,294,137.30	3.40	11,538.40	1,305,843.00	1,261,771.88
US TREASURY N/B NOTES DTD 09/30/2022 4.125% 09/30/2027	91282CFM8	474,000.00	AA+	Aaa	11/1/2022	11/3/2022	470,907.89	4.27	4,914.84	471,322.01	471,333.75
US TREASURY NOTES DTD 09/30/2020 0.375% 09/30/2027	91282CAL5	910,000.00	AA+	Aaa	6/26/2023	6/26/2023	779,294.14	4.08	857.79	779,713.88	774,353.13
US TREASURY N/B NOTES DTD 10/31/2022 4.125% 10/31/2027	91282CFU0	365,000.00	AA+	Aaa	12/1/2022	12/2/2022	371,187.89	3.74	2,536.65	370,460.11	363,060.94
US TREASURY N/B NOTES DTD 10/31/2022 4.125% 10/31/2027	91282CFU0	1,150,000.00	AA+	Aaa	12/6/2022	12/8/2022	1,165,992.19	3.81	7,992.19	1,164,158.63	1,143,890.62
US TREASURY NOTES DTD 10/31/2020 0.500% 10/31/2027	91282CAU5	1,265,000.00	AA+	Aaa	1/3/2023	1/3/2023	1,076,238.28	3.93	1,065.63	1,095,414.41	1,079,598.44
US TREASURY N/B NOTES DTD 12/31/2022 3.875% 12/31/2027	91282CGC9	1,680,000.00	AA+	Aaa	5/31/2023	5/31/2023	1,680,262.50	3.87	176.90	1,680,257.64	1,656,900.00
US TREASURY N/B NOTES DTD 02/28/2023 4.000% 02/29/2028	91282CGP0	1,010,000.00	AA+	Aaa	3/1/2023	3/1/2023	998,242.97	4.26	13,503.26	999,028.49	1,002,740.63
US TREASURY N/B NOTES DTD 03/31/2021 1.250% 03/31/2028	91282CBS9	464,000.00	AA+	Aaa	5/8/2023	5/10/2023	417,636.25	3.49	1,457.92	418,985.39	406,000.00
US TREASURY N/B NOTES DTD 03/31/2021 1.250% 03/31/2028	91282CBS9	360,000.00	AA+	Aaa	5/8/2023	5/11/2023	323,521.88	3.52	1,131.15	324,563.53	315,000.00

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
U.S. Treasury											
US TREASURY N/B NOTES DTD 04/30/2023 3.500% 04/30/2028	91282CHA2	219,000.00	AA+	Aaa	5/3/2023	5/5/2023	219,923.91	3.41	1,291.39	219,895.01	212,806.42
US TREASURY N/B NOTES DTD 04/30/2023 3.500% 04/30/2028	91282CHA2	1,315,000.00	AA+	Aaa	5/1/2023	5/1/2023	1,308,887.30	3.60	7,754.21	1,309,091.50	1,277,810.22
US TREASURY N/B NOTES DTD 04/30/2021 1.250% 04/30/2028	91282CBZ3	525,000.00	AA+	Aaa	6/28/2023	6/30/2023	460,666.99	4.07	1,105.64	460,703.42	458,636.75
Security Type Sub-Total		52,217,000.00					50,919,394.50	2.21	124,972.74	51,300,418.79	49,130,859.84
Supranational											
INTER-AMERICAN DEVEL BK NOTES DTD 09/23/2021 0.500% 09/23/2024	4581X0DZ8	820,000.00	AAA	Aaa	9/15/2021	9/23/2021	819,393.20	0.52	1,116.11	819,750.86	772,772.10
Security Type Sub-Total		820,000.00					819,393.20	0.52	1,116.11	819,750.86	772,772.10
Negotiable CD											
TORONTO DOMINION BANK NY CERT DEPOS DTD 10/31/2022 5.470% 10/25/2024	89115B6F2	690,000.00	A	A1	10/27/2022	10/31/2022	690,000.00	5.44	25,476.53	690,000.00	689,554.95
Security Type Sub-Total		690,000.00					690,000.00	5.44	25,476.53	690,000.00	689,554.95
Federal Agency											
FANNIE MAE NOTES DTD 07/10/2020 0.250% 07/10/2023	3135G05G4	795,000.00	AA+	Aaa	7/8/2020	7/10/2020	793,290.75	0.32	944.06	794,985.95	794,219.31
FREDDIE MAC NOTES DTD 08/21/2020 0.250% 08/24/2023	3137EAEV7	520,000.00	AA+	Aaa	8/19/2020	8/21/2020	519,469.60	0.28	458.61	519,973.91	516,284.08
FEDERAL FARM CREDIT BANK (CALLABLE) DTD 09/21/2020 0.250% 09/21/2023	3133EMAM4	1,625,000.00	AA+	Aaa	10/7/2020	10/9/2020	1,622,237.50	0.31	1,128.47	1,624,789.67	1,607,255.00
FANNIE MAE NOTES (CALLABLE) DTD 10/26/2020 0.310% 01/26/2024	3136G46V0	259,000.00	AA+	Aaa	10/23/2020	10/26/2020	258,896.40	0.32	345.69	258,981.76	251,289.05
FREDDIE MAC NOTES DTD 02/14/2020 1.500% 02/12/2025	3137EAEPO	1,035,000.00	AA+	Aaa	2/13/2020	2/14/2020	1,034,203.05	1.52	5,994.38	1,034,741.48	977,134.19

UNION SANITARY DISTRICT

Portfolio Holdings

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Federal Agency											
FEDERAL HOME LOAN BANK NOTES DTD 04/16/2020 0.500% 04/14/2025	3130AJHU6	560,000.00	AA+	Aaa	4/15/2020	4/16/2020	557,222.40	0.60	598.89	559,005.61	517,156.08
FANNIE MAE NOTES DTD 04/24/2020 0.625% 04/22/2025	3135G03U5	455,000.00	AA+	Aaa	4/22/2020	4/24/2020	454,062.70	0.67	545.05	454,660.33	420,815.40
FANNIE MAE NOTES DTD 04/24/2020 0.625% 04/22/2025	3135G03U5	125,000.00	AA+	Aaa	4/28/2020	4/28/2020	124,763.75	0.66	149.74	124,914.20	115,608.62
FANNIE MAE NOTES DTD 06/19/2020 0.500% 06/17/2025	3135G04Z3	1,010,000.00	AA+	Aaa	10/26/2020	10/28/2020	1,011,494.80	0.47	196.39	1,010,633.06	926,558.85
FANNIE MAE NOTES DTD 06/19/2020 0.500% 06/17/2025	3135G04Z3	865,000.00	AA+	Aaa	6/17/2020	6/19/2020	863,209.45	0.54	168.19	864,296.15	793,538.03
FREDDIE MAC NOTES DTD 07/23/2020 0.375% 07/21/2025	3137EAEU9	525,000.00	AA+	Aaa	7/21/2020	7/23/2020	522,385.50	0.48	875.00	523,923.53	479,040.98
FANNIE MAE NOTES (CALLABLE) DTD 08/14/2020 0.500% 08/14/2025	3135G05S8	1,000,000.00	AA+	Aaa	8/24/2020	8/24/2020	998,400.00	0.53	1,902.78	999,317.18	908,305.00
FANNIE MAE NOTES DTD 08/27/2020 0.375% 08/25/2025	3135G05X7	555,000.00	AA+	Aaa	8/25/2020	8/27/2020	552,402.60	0.47	728.44	553,880.73	504,605.45
FANNIE MAE NOTES DTD 08/27/2020 0.375% 08/25/2025	3135G05X7	415,000.00	AA+	Aaa	10/21/2020	10/22/2020	412,754.85	0.49	544.69	414,001.87	377,317.58
FREDDIE MAC NOTES DTD 09/25/2020 0.375% 09/23/2025	3137EAEX3	795,000.00	AA+	Aaa	9/23/2020	9/25/2020	792,607.05	0.44	811.56	793,930.78	720,955.29
FANNIE MAE NOTES DTD 11/12/2020 0.500% 11/07/2025	3135G06G3	520,000.00	AA+	Aaa	11/9/2020	11/12/2020	518,138.40	0.57	390.00	519,120.83	470,695.68
FREDDIE MAC NOTES (CALLABLE) DTD 02/23/2023 5.400% 02/23/2026	3134GYKA9	780,000.00	AA+	Aaa	2/15/2023	2/23/2023	780,000.00	5.40	14,976.00	780,000.00	773,965.14
Security Type Sub-Total		11,839,000.00					11,815,538.80	0.89	30,757.94	11,831,157.04	11,154,743.73
Corporate											
JPMORGAN CHASE & CO CORPORATE NOTES (CAL DTD 09/16/2020 0.653% 09/16/2024	46647PBS4	110,000.00	A-	A1	9/9/2020	9/16/2020	110,000.00	0.65	209.50	110,000.00	108,718.17
JOHN DEERE CAPITAL CORP CORPORATE NOTES DTD 01/10/2022 1.250% 01/10/2025	24422EVY2	565,000.00	A	A2	3/8/2022	3/10/2022	550,728.10	2.17	3,354.69	557,306.66	531,730.54

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Corporate											
TOYOTA MOTOR CREDIT CORP CORP NOTES DTD 02/13/2020 1.800% 02/13/2025	89236TGT6	180,000.00	A+	A1	5/20/2020	5/26/2020	181,758.60	1.58	1,242.00	180,604.90	170,455.14
TOYOTA MOTOR CREDIT CORP CORP NOTES DTD 02/13/2020 1.800% 02/13/2025	89236TGT6	250,000.00	A+	A1	5/20/2020	5/26/2020	252,442.50	1.58	1,725.00	250,840.14	236,743.25
CITIGROUP INC (CALLABLE) CORPORATE NOTES DTD 05/04/2021 0.981% 05/01/2025	172967MX6	145,000.00	BBB+	A3	4/28/2021	5/4/2021	145,384.25	0.91	237.08	145,107.22	138,767.90
CITIGROUP INC (CALLABLE) CORPORATE NOTES DTD 05/04/2021 0.981% 05/01/2025	172967MX6	135,000.00	BBB+	A3	4/27/2021	5/4/2021	135,000.00	0.98	220.72	135,000.00	129,197.70
GOLDMAN SACHS GROUP INC CORPORATE NOTES DTD 05/22/2015 3.750% 05/22/2025	38148LAE6	380,000.00	BBB+	A2	2/12/2021	2/17/2021	424,528.40	0.94	1,543.75	398,285.20	366,900.64
JPMORGAN CHASE & CO CORP NOTES (CALLABLE) DTD 08/10/2021 0.768% 08/09/2025	46647PCM6	120,000.00	A-	A1	8/3/2021	8/10/2021	120,000.00	0.77	363.52	120,000.00	112,988.64
BRISTOL-MYERS SQUIBB CO CORPORATE NOTES DTD 11/13/2020 0.750% 11/13/2025	110122DN5	201,000.00	A+	A2	6/17/2021	6/21/2021	198,998.04	0.98	201.00	199,920.49	182,311.02
NOVARTIS CAPITAL CORP NOTES (CALLABLE) DTD 11/20/2015 3.000% 11/20/2025	66989HAJ7	770,000.00	AA-	A1	2/1/2023	2/3/2023	744,012.50	4.29	2,630.83	747,779.54	735,916.72
BANK OF AMERICA CORP NOTES (CALLABLE) DTD 03/22/2022 3.384% 04/02/2026	06051GKM0	585,000.00	A-	A1	3/17/2022	3/22/2022	585,000.00	3.38	4,894.11	585,000.00	560,579.76
BANK OF AMERICA CORP NOTES DTD 04/19/2016 3.500% 04/19/2026	06051GFX2	505,000.00	A-	A1	1/23/2023	1/25/2023	490,248.95	4.48	3,535.00	492,211.59	484,224.30
MICROSOFT CORP (CALLABLE) NOTES DTD 08/08/2016 2.400% 08/08/2026	594918BR4	730,000.00	AAA	Aaa	2/23/2022	2/25/2022	738,095.70	2.14	6,959.33	735,502.75	685,275.82
TARGET CORP CORP NOTES (CALLABLE) DTD 01/24/2022 1.950% 01/15/2027	87612EBM7	100,000.00	A	A2	1/19/2022	1/24/2022	99,830.00	1.99	899.17	99,878.93	91,502.60

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
Corporate											
TARGET CORP CORP NOTES (CALLABLE) DTD 01/24/2022 1.950% 01/15/2027	87612EBM7	455,000.00	A	A2	1/27/2022	1/31/2022	454,722.45	1.96	4,091.21	454,801.57	416,336.83
BANK OF NY MELLON CORP (CALLABLE) CORPOR DTD 01/26/2022 2.050% 01/26/2027	06406RBA4	745,000.00	A	A1	1/26/2022	1/28/2022	747,398.90	1.98	6,575.66	746,704.52	669,586.63
HOME DEPOT INC CORP NOTES (CALLABLE) DTD 09/14/2017 2.800% 09/14/2027	437076BT8	735,000.00	A	A2	1/26/2023	1/30/2023	693,399.00	4.16	6,116.83	697,145.06	683,468.42
JPMORGAN CHASE & CORP NOTES (CALLABLE) DTD 04/25/2017 3.540% 05/01/2028	46647PAF3	560,000.00	A-	A1	5/16/2023	5/18/2023	530,762.40	4.73	3,304.00	531,473.15	523,770.24
Security Type Sub-Total		7,271,000.00					7,202,309.79	2.79	48,103.40	7,187,561.72	6,828,474.32
Agency CMBS											
FHMS K061 A2 DTD 01/30/2017 3.347% 11/01/2026	3137BTUM1	505,000.00	AA+	Aaa	5/19/2023	5/24/2023	489,455.47	4.31	1,408.53	489,925.39	482,212.64
Security Type Sub-Total		505,000.00					489,455.47	4.31	1,408.53	489,925.39	482,212.64
ABS											
HAROT 2020-1 A3 DTD 02/26/2020 1.610% 04/22/2024	43813RAC1	3,093.15	NR	Aaa	2/19/2020	2/26/2020	3,092.54	1.61	1.38	3,093.03	3,088.01
CARMX 2020-1 A3 DTD 01/22/2020 1.890% 12/16/2024	14315XAC2	20,202.47	AAA	NR	1/14/2020	1/22/2020	20,198.51	1.89	16.97	20,201.29	20,108.82
HAROT 2021-1 A3 DTD 02/24/2021 0.270% 04/21/2025	43813GAC5	60,648.20	NR	Aaa	2/17/2021	2/24/2021	60,647.09	0.27	4.55	60,647.72	59,204.48
HART 2021-A A3 DTD 04/28/2021 0.380% 09/15/2025	44933LAC7	71,026.91	AAA	NR	4/20/2021	4/28/2021	71,019.44	0.38	12.00	71,023.14	69,211.56
CARMX 2021-1 A3 DTD 01/27/2021 0.340% 12/15/2025	14316NAC3	44,281.37	AAA	NR	1/20/2021	1/27/2021	44,272.64	0.34	6.69	44,276.97	42,999.80
TAOT 2021-C A3 DTD 09/27/2021 0.430% 01/15/2026	89239BAC5	178,144.17	AAA	Aaa	9/21/2021	9/27/2021	178,129.97	0.43	34.05	178,135.77	171,598.71

UNION SANITARY DISTRICT

Security Type/Description Dated Date/Coupon/Maturity	CUSIP	Par	S&P Rating	Moody's Rating	Trade Date	Settle Date	Original Cost	YTM at Cost	Accrued Interest	Amortized Cost	Market Value
ABS											
CARMX 2021-2 A3 DTD 04/21/2021 0.520% 02/17/2026	14314QAC8	119,044.60	AAA	NR	4/13/2021	4/21/2021	119,018.95	0.52	27.51	119,030.60	114,858.00
HART 2021-C A3 DTD 11/17/2021 0.740% 05/15/2026	44935FAD6	95,000.00	AAA	NR	11/9/2021	11/17/2021	94,978.80	0.75	31.24	94,986.44	91,310.28
DCENT 2021-A1 A1 DTD 09/27/2021 0.580% 09/15/2026	254683CP8	155,000.00	AAA	Aaa	9/20/2021	9/27/2021	154,966.81	0.58	39.96	154,978.56	145,855.76
Security Type Sub-Total		746,440.87					746,324.75	0.54	174.35	746,373.52	718,235.42
Managed Account Sub Total		74,088,440.87					72,682,416.51	2.07	232,009.60	73,065,187.32	69,776,853.00
Securities Sub Total		\$74,088,440.87					\$72,682,416.51	2.07%	\$232,009.60	\$73,065,187.32	\$69,776,853.00
Accrued Interest											\$232,009.60
Total Investments											\$70,008,862.60

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
BUY									
4/4/2023	4/5/2023	270,000.00	9128284L1	US TREASURY NOTES	2.75%	4/30/2023	272,820.03	4.74%	
4/10/2023	4/11/2023	970,000.00	912828R28	US TREASURY NOTES	1.62%	4/30/2023	975,386.75	4.87%	
5/1/2023	5/1/2023	1,315,000.00	91282CHA2	US TREASURY N/B NOTES	3.50%	4/30/2028	1,309,012.37	3.60%	
5/1/2023	5/1/2023	1,304,000.00	912828R69	US TREASURY NOTES	1.62%	5/31/2023	1,309,486.70	4.73%	
5/3/2023	5/5/2023	219,000.00	91282CHA2	US TREASURY N/B NOTES	3.50%	4/30/2028	220,028.05	3.41%	
5/8/2023	5/10/2023	464,000.00	91282CBS9	US TREASURY N/B NOTES	1.25%	3/31/2028	418,270.13	3.49%	
5/8/2023	5/11/2023	360,000.00	91282CBS9	US TREASURY N/B NOTES	1.25%	3/31/2028	324,025.98	3.52%	
5/16/2023	5/18/2023	560,000.00	46647PAF3	JPMORGAN CHASE & CORP NOTES (CALLABLE)	3.54%	5/1/2028	531,698.53	4.73%	
5/19/2023	5/22/2023	867,000.00	912828R69	US TREASURY NOTES	1.62%	5/31/2023	872,849.35	5.54%	
5/19/2023	5/24/2023	505,000.00	3137BTUM1	FHMS K061 A2	3.34%	11/1/2026	490,535.34	4.31%	
5/31/2023	5/31/2023	1,680,000.00	91282CGC9	US TREASURY N/B NOTES	3.87%	12/31/2027	1,707,417.47	3.87%	
6/26/2023	6/26/2023	910,000.00	91282CAL5	US TREASURY NOTES	0.37%	9/30/2027	780,105.31	4.08%	
6/28/2023	6/30/2023	2,710,000.00	91282CCN9	US TREASURY N/B NOTES	0.12%	7/31/2023	2,699,970.85	5.07%	
6/28/2023	6/30/2023	525,000.00	91282CBZ3	US TREASURY N/B NOTES	1.25%	4/30/2028	461,754.80	4.07%	
Total BUY		12,659,000.00					12,373,361.66		0.00
INTEREST									
4/2/2023	4/2/2023	585,000.00	06051GKM0	BANK OF AMERICA CORP NOTES (CALLABLE)	3.38%	4/2/2026	9,898.20		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
INTEREST									
4/14/2023	4/14/2023	560,000.00	3130AJHU6	FEDERAL HOME LOAN BANK NOTES	0.50%	4/14/2025	1,400.00		
4/15/2023	4/15/2023	145,781.77	14314QAC8	CARMX 2021-2 A3	0.52%	2/17/2026	63.17		
4/15/2023	4/15/2023	195,000.00	89239BAC5	TAOT 2021-C A3	0.43%	1/15/2026	69.88		
4/15/2023	4/15/2023	40,202.43	14315XAC2	CARMX 2020-1 A3	1.89%	12/16/2024	63.32		
4/15/2023	4/15/2023	55,699.48	14316NAC3	CARMX 2021-1 A3	0.34%	12/15/2025	15.78		
4/15/2023	4/15/2023	155,000.00	254683CP8	DCENT 2021-A1 A1	0.58%	9/15/2026	74.92		
4/15/2023	4/15/2023	32,125.15	89232HAC9	TAOT 2020-A A3	1.66%	5/15/2024	44.44		
4/15/2023	4/15/2023	95,000.00	44935FAD6	HART 2021-C A3	0.74%	5/15/2026	58.58		
4/15/2023	4/15/2023	91,405.80	44933LAC7	HART 2021-A A3	0.38%	9/15/2025	28.95		
4/19/2023	4/19/2023	505,000.00	06051GFX2	BANK OF AMERICA CORP NOTES	3.50%	4/19/2026	8,837.50		
4/21/2023	4/21/2023	36,014.68	43813RAC1	HAROT 2020-1 A3	1.61%	4/22/2024	48.32		
4/21/2023	4/21/2023	82,394.15	43813GAC5	HAROT 2021-1 A3	0.27%	4/21/2025	18.54		
4/22/2023	4/22/2023	580,000.00	3135G03U5	FANNIE MAE NOTES	0.62%	4/22/2025	1,812.50		
4/30/2023	4/30/2023	1,515,000.00	91282CFU0	US TREASURY N/B NOTES	4.12%	10/31/2027	31,246.88		
4/30/2023	4/30/2023	60,000.00	91282YM6	US TREASURY NOTES	1.50%	10/31/2024	450.00		
4/30/2023	4/30/2023	590,000.00	912828X70	US TREASURY NOTES	2.00%	4/30/2024	5,900.00		
4/30/2023	4/30/2023	1,265,000.00	91282CAU5	US TREASURY NOTES	0.50%	10/31/2027	3,162.50		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
INTEREST									
4/30/2023	4/30/2023	245,000.00	91282CBW0	US TREASURY N/B NOTES	0.75%	4/30/2026	918.75		
4/30/2023	4/30/2023	555,000.00	91282CAT8	US TREASURY NOTES	0.25%	10/31/2025	693.75		
5/1/2023	5/1/2023	280,000.00	172967MX6	CITIGROUP INC (CALLABLE) CORPORATE NOTES	0.98%	5/1/2025	1,373.40		
5/7/2023	5/7/2023	520,000.00	3135G06G3	FANNIE MAE NOTES	0.50%	11/7/2025	1,300.00		
5/13/2023	5/13/2023	201,000.00	110122DN5	BRISTOL-MYERS SQUIBB CO CORPORATE NOTES	0.75%	11/13/2025	753.75		
5/15/2023	5/15/2023	51,657.54	14316NAC3	CARMX 2021-1 A3	0.34%	12/15/2025	14.64		
5/15/2023	5/15/2023	155,000.00	254683CP8	DCENT 2021-A1 A1	0.58%	9/15/2026	74.92		
5/15/2023	5/15/2023	95,000.00	44935FAD6	HART 2021-C A3	0.74%	5/15/2026	58.58		
5/15/2023	5/15/2023	136,272.01	14314QAC8	CARMX 2021-2 A3	0.52%	2/17/2026	59.05		
5/15/2023	5/15/2023	32,937.74	14315XAC2	CARMX 2020-1 A3	1.89%	12/16/2024	51.88		
5/15/2023	5/15/2023	518,000.00	912828R36	US TREASURY NOTES	1.62%	5/15/2026	4,208.75		
5/15/2023	5/15/2023	15,556.73	89232HAC9	TAOT 2020-A A3	1.66%	5/15/2024	21.52		
5/15/2023	5/15/2023	84,178.69	44933LAC7	HART 2021-A A3	0.38%	9/15/2025	26.66		
5/15/2023	5/15/2023	310,000.00	912828X88	US TREASURY NOTES	2.37%	5/15/2027	3,681.25		
5/15/2023	5/15/2023	195,000.00	89239BAC5	TAOT 2021-C A3	0.43%	1/15/2026	69.88		
5/15/2023	5/15/2023	2,530,000.00	91282CCC3	US TREASURY N/B NOTES	0.25%	5/15/2024	3,162.50		
5/20/2023	5/20/2023	770,000.00	66989HAJ7	NOVARTIS CAPITAL CORP NOTES (CALLABLE)	3.00%	11/20/2025	11,550.00		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
INTEREST									
5/21/2023	5/21/2023	24,057.37	43813RAC1	HAROT 2020-1 A3	1.61%	4/22/2024	32.28		
5/21/2023	5/21/2023	74,649.77	43813GAC5	HAROT 2021-1 A3	0.27%	4/21/2025	16.80		
5/22/2023	5/22/2023	380,000.00	38148LAE6	GOLDMAN SACHS GROUP INC CORPORATE NOTES	3.75%	5/22/2025	7,125.00		
5/31/2023	5/31/2023	395,000.00	91282CCF6	US TREASURY N/B NOTES	0.75%	5/31/2026	1,481.25		
5/31/2023	5/31/2023	3,595,000.00	91282CAZ4	US TREASURY NOTES	0.37%	11/30/2025	6,740.63		
5/31/2023	5/31/2023	3,590,000.00	912828ZT0	US TREASURY NOTES	0.25%	5/31/2025	4,487.50		
5/31/2023	5/31/2023	2,505,000.00	91282CDM0	US TREASURY N/B NOTES	0.50%	11/30/2023	6,262.50		
6/1/2023	6/25/2023	505,000.00	3137BTUM1	FHMS K061 A2	3.34%	11/1/2026	1,408.53		
6/15/2023	6/15/2023	77,673.52	44933LAC7	HART 2021-A A3	0.38%	9/15/2025	24.60		
6/15/2023	6/15/2023	26,722.27	14315XAC2	CARMX 2020-1 A3	1.89%	12/16/2024	42.09		
6/15/2023	6/15/2023	2,495,000.00	91282CDN8	US TREASURY N/B NOTES	1.00%	12/15/2024	12,475.00		
6/15/2023	6/15/2023	127,854.85	14314QAC8	CARMX 2021-2 A3	0.52%	2/17/2026	55.40		
6/15/2023	6/15/2023	155,000.00	254683CP8	DCENT 2021-A1 A1	0.58%	9/15/2026	74.92		
6/15/2023	6/15/2023	95,000.00	44935FAD6	HART 2021-C A3	0.74%	5/15/2026	58.58		
6/15/2023	6/15/2023	1,357.40	89232HAC9	TAOT 2020-A A3	1.66%	5/15/2024	1.88		
6/15/2023	6/15/2023	865,000.00	91282CEU1	US TREASURY N/B NOTES	2.87%	6/15/2025	12,434.38		
6/15/2023	6/15/2023	190,226.81	89239BAC5	TAOT 2021-C A3	0.43%	1/15/2026	68.16		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
INTEREST									
6/15/2023	6/15/2023	48,030.09	14316NAC3	CARMX 2021-1 A3	0.34%	12/15/2025	13.61		
6/17/2023	6/17/2023	1,875,000.00	3135G04Z3	FANNIE MAE NOTES	0.50%	6/17/2025	4,687.50		
6/21/2023	6/21/2023	67,813.64	43813GAC5	HAROT 2021-1 A3	0.27%	4/21/2025	15.26		
6/21/2023	6/21/2023	13,542.34	43813RAC1	HAROT 2020-1 A3	1.61%	4/22/2024	18.17		
6/30/2023	6/30/2023	355,000.00	912828XX3	US TREASURY NOTES	2.00%	6/30/2024	3,550.00		
6/30/2023	6/30/2023	2,027,000.00	91282CBC4	US TREASURY NOTES	0.37%	12/31/2025	3,800.63		
6/30/2023	6/30/2023	1,680,000.00	91282CGC9	US TREASURY N/B NOTES	3.87%	12/31/2027	32,550.00		
6/30/2023	6/30/2023	2,000,000.00	912828V23	US TREASURY NOTES	2.25%	12/31/2023	22,500.00		
Total INTEREST		36,452,154.23					211,137.43		0.00
MATURITY									
4/5/2023	4/5/2023	205,000.00	61772BAA1	MORGAN STANLEY CORP NOTES (CALLED, OMD 4	0.73%	4/5/2023	205,749.28		
4/5/2023	4/5/2023	70,000.00	61772BAA1	MORGAN STANLEY CORP NOTES (CALLED, OMD 4	0.73%	4/5/2023	70,255.85		
4/11/2023	4/11/2023	965,000.00	931142DH3	WAL MART STORES INC GLOBAL NT (CALLABLE)	2.55%	4/11/2023	977,303.75		
4/30/2023	4/30/2023	1,310,000.00	9128284L1	US TREASURY NOTES	2.75%	4/30/2023	1,328,012.50		
4/30/2023	4/30/2023	970,000.00	912828R28	US TREASURY NOTES	1.62%	4/30/2023	977,881.25		
4/30/2023	4/30/2023	270,000.00	9128284L1	US TREASURY NOTES	2.75%	4/30/2023	273,712.50		
5/5/2023	5/5/2023	220,000.00	3137EAER6	FREDDIE MAC NOTES	0.37%	5/5/2023	220,412.50		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
MATURITY									
5/10/2023	5/10/2023	415,000.00	02665WDH1	AMERICAN HONDA FINANCE	1.95%	5/10/2023	419,046.25		
5/11/2023	5/11/2023	325,000.00	037833DV9	APPLE INC CORPORATE NOTES	0.75%	5/11/2023	326,218.75		
5/18/2023	5/18/2023	525,000.00	46625HRL6	JPMORGAN CHASE & CO (CALLABLE) CORP NOTE	2.70%	5/18/2023	532,087.50		
5/22/2023	5/22/2023	865,000.00	3135G04Q3	FANNIE MAE NOTES	0.25%	5/22/2023	866,081.25		
5/31/2023	5/31/2023	814,000.00	912828R69	US TREASURY NOTES	1.62%	5/31/2023	820,613.75		
5/31/2023	5/31/2023	867,000.00	912828R69	US TREASURY NOTES	1.62%	5/31/2023	874,044.38		
6/26/2023	6/26/2023	780,000.00	3137EAES4	FREDDIE MAC NOTES	0.25%	6/26/2023	780,975.00		
6/30/2023	6/30/2023	1,385,000.00	912828S35	US TREASURY NOTES	1.37%	6/30/2023	1,394,521.88		
6/30/2023	6/30/2023	1,685,000.00	9128284U1	US TREASURY NOTES	2.62%	6/30/2023	1,707,115.63		
Total MATURITY		11,671,000.00					11,774,032.02		0.00
PAYDOWNS									
4/15/2023	4/15/2023	9,509.76	14314QAC8	CARMX 2021-2 A3	0.52%	2/17/2026	9,509.76		
4/15/2023	4/15/2023	16,568.42	89232HAC9	TAOT 2020-A A3	1.66%	5/15/2024	16,568.42		
4/15/2023	4/15/2023	4,041.94	14316NAC3	CARMX 2021-1 A3	0.34%	12/15/2025	4,041.94		
4/15/2023	4/15/2023	7,227.11	44933LAC7	HART 2021-A A3	0.38%	9/15/2025	7,227.11		
4/15/2023	4/15/2023	7,264.69	14315XAC2	CARMX 2020-1 A3	1.89%	12/16/2024	7,264.69		
4/21/2023	4/21/2023	7,744.38	43813GAC5	HAROT 2021-1 A3	0.27%	4/21/2025	7,744.38		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
PAYDOWNS									
4/21/2023	4/21/2023	11,957.31	43813RAC1	HAROT 2020-1 A3	1.61%	4/22/2024	11,957.31		
5/15/2023	5/15/2023	8,417.16	14314QAC8	CARMX 2021-2 A3	0.52%	2/17/2026	8,417.16		
5/15/2023	5/15/2023	14,199.33	89232HAC9	TAOT 2020-A A3	1.66%	5/15/2024	14,199.33		
5/15/2023	5/15/2023	3,627.45	14316NAC3	CARMX 2021-1 A3	0.34%	12/15/2025	3,627.45		
5/15/2023	5/15/2023	4,773.19	89239BAC5	TAOT 2021-C A3	0.43%	1/15/2026	4,773.19		
5/15/2023	5/15/2023	6,215.47	14315XAC2	CARMX 2020-1 A3	1.89%	12/16/2024	6,215.47		
5/15/2023	5/15/2023	6,505.17	44933LAC7	HART 2021-A A3	0.38%	9/15/2025	6,505.17		
5/21/2023	5/21/2023	6,836.13	43813GAC5	HAROT 2021-1 A3	0.27%	4/21/2025	6,836.13		
5/21/2023	5/21/2023	10,515.03	43813RAC1	HAROT 2020-1 A3	1.61%	4/22/2024	10,515.03		
6/15/2023	6/15/2023	6,519.80	14315XAC2	CARMX 2020-1 A3	1.89%	12/16/2024	6,519.80		
6/15/2023	6/15/2023	1,357.40	89232HAC9	TAOT 2020-A A3	1.66%	5/15/2024	1,357.40		
6/15/2023	6/15/2023	8,810.25	14314QAC8	CARMX 2021-2 A3	0.52%	2/17/2026	8,810.25		
6/15/2023	6/15/2023	12,082.64	89239BAC5	TAOT 2021-C A3	0.43%	1/15/2026	12,082.64		
6/15/2023	6/15/2023	6,646.61	44933LAC7	HART 2021-A A3	0.38%	9/15/2025	6,646.61		
6/15/2023	6/15/2023	3,748.72	14316NAC3	CARMX 2021-1 A3	0.34%	12/15/2025	3,748.72		
6/21/2023	6/21/2023	7,165.44	43813GAC5	HAROT 2021-1 A3	0.27%	4/21/2025	7,165.44		

Quarterly Portfolio Transactions

Trade Date	Settle Date	Par (\$)	CUSIP	Security Description	Coupon	Maturity Date	Transact Amount (\$)	Yield at Market	Realized G/L (BV)
PAYDOWNS									
6/21/2023	6/21/2023	10,449.19	43813RAC1	HAROT 2020-1 A3	1.61%	4/22/2024	10,449.19		
Total PAYDOWNS		182,182.59					182,182.59		0.00
SELL									
5/19/2023	5/24/2023	490,000.00	912828R69	US TREASURY NOTES	1.62%	5/31/2023	493,655.86		122.50
Total SELL		490,000.00					493,655.86		122.50

Important Disclosures

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- In accordance with generally accepted accounting principles, information is presented on a trade date basis; forward settling purchases are included in the monthly balances, and forward settling sales are excluded.
- Performance is presented in accordance with the CFA Institute's Global Investment Performance Standards (GIPS). Unless otherwise noted, performance is shown gross of fees. Quarterly returns are presented on an unannualized basis. Returns for periods greater than one year are presented on an annualized basis. Past performance is not indicative of future returns.
- Bank of America/Merrill Lynch Indices provided by Bloomberg Financial Markets.
- Money market fund/cash balances are included in performance and duration computations.
- Standard & Poor's is the source of the credit ratings. Distribution of credit rating is exclusive of money market fund/LGIP holdings.
- Callable securities in the portfolio are included in the maturity distribution analysis to their stated maturity date, although, they may be called prior to maturity.
- MBS maturities are represented by expected average life.

Glossary

- **Accrued Interest:** Interest that is due on a bond or other fixed income security since the last interest payment was made.
- **Agencies:** Federal agency securities and/or Government-sponsored enterprises.
- **Amortized Cost:** The original cost of the principal of the security is adjusted for the amount of the periodic reduction of any discount or premium from the purchase date until the date of the report. Discount or premium with respect to short-term securities (those with less than one year to maturity at time of issuance) is amortized on a straight line basis. Such discount or premium with respect to longer-term securities is amortized using the constant yield basis.
- **Asset-Backed Security:** A financial instrument collateralized by an underlying pool of assets – usually ones that generate a cash flow from debt, such as loans, leases, credit card balances, and receivables.
- **Bankers' Acceptance:** A draft or bill of exchange accepted by a bank or trust company. The accepting institution guarantees payment of the bill as well as the insurer.
- **Commercial Paper:** An unsecured obligation issued by a corporation or bank to finance its short-term credit needs, such as accounts receivable and inventory.
- **Contribution to Total Return:** The weight of each individual security multiplied by its return, then summed for each sector to determine how much each sector added or subtracted from the overall portfolio performance.
- **Effective Duration:** A measure of the sensitivity of a security's price to a change in interest rates, stated in years.
- **Effective Yield:** The total yield an investor receives in relation to the nominal yield or coupon of a bond. Effective yield takes into account the power of compounding on investment returns, while nominal yield does not.
- **FDIC:** Federal Deposit Insurance Corporation. A federal agency that insures bank deposits to a specified amount.
- **Interest Rate:** Interest per year divided by principal amount and expressed as a percentage.
- **Market Value:** The value that would be received or paid for an investment in an orderly transaction between market participants at the measurement date.
- **Maturity:** The date upon which the principal or stated value of an investment becomes due and payable.
- **Negotiable Certificates of Deposit:** A CD with a very large denomination, usually \$1 million or more, that can be traded in secondary markets.
- **Par Value:** The nominal dollar face amount of a security.
- **Pass-through Security:** A security representing pooled debt obligations that passes income from debtors to its shareholders. The most common type is the mortgage-backed security.

Glossary

- **Repurchase Agreements:** A holder of securities sells these securities to an investor with an agreement to repurchase them at a fixed price on a fixed date.
- **Settle Date:** The date on which the transaction is settled and monies/securities are exchanged. If the settle date of the transaction (i.e., coupon payments and maturity proceeds) occurs on a non-business day, the funds are exchanged on the next business day.
- **Supranational:** A multinational union or association in which member countries cede authority and sovereignty on at least some internal matters to the group, whose decisions are binding on its members.
- **Trade Date:** The date on which the transaction occurred; however, the final consummation of the security transaction and payment has not yet taken place.
- **Unsettled Trade:** A trade which has been executed; however, the final consummation of the security transaction and payment has not yet taken place.
- **U.S. Treasury:** The department of the U.S. government that issues Treasury securities.
- **Yield:** The rate of return based on the current market value, the annual interest receipts, maturity value, and the time period remaining until maturity, stated as a percentage on an annualized basis.
- **YTM at Cost:** The yield to maturity at cost is the expected rate of return based on the original cost, the annual interest receipts, maturity value, and the time period from purchase date to maturity, stated as a percentage on an annualized basis.
- **YTM at Market:** The yield to maturity at market is the rate of return based on the current market value, the annual interest receipts, maturity value, and the time period remaining until maturity, stated as a percentage on an annualized basis.



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TRI-CITY WASTEWATER

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District Engineer*

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**AUGUST 28, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 9**

TITLE: **Authorize the General Manager to Execute an Agreement and Task Order No. 1 with Hazen and Sawyer for the Co-Digestion Feasibility Study (*This is a Motion Item*)**

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

Recommendation

Staff recommends the Board authorize the General Manager to execute an Agreement and Task Order No. 1 with Hazen and Sawyer (Hazen) in the amount of \$124,820 to conduct the Co-Digestion Feasibility Study (Study).

Discussion

The District utilizes anaerobic digesters to treat the solids received at the wastewater treatment plant. One of the byproducts of this process is methane gas, commonly referred to as biogas. The District collects, cleans, and uses biogas to generate electricity in its cogeneration engines. Currently, the volume of biogas produced by the digesters is approximately 80% of the total gas required to fully operate the cogeneration engines; the District purchases additional natural gas to supplement the remaining 20%.

The ETSU improvements currently underway will increase power consumption in the future (from 2.5 MWh to approximately 3.0 MWh). The District is evaluating options for offsetting this additional power consumption. One of the options is additional cogeneration engine capacity that was discussed at a Board workshop on August 3, 2023, which will require either more biogas production or the purchase of additional natural gas. Additionally, the District is evaluating options to reduce the water content in biosolids utilizing a thermal dryer that produces heat via natural gas or biogas.

Producing additional biogas can be accomplished by pumping organic material directly into the digesters if adequate digester capacity is available. The potential benefits of additional biogas production include:

- Cost savings by not supplementing cogeneration engines with natural gas.
- The ability to add additional cogeneration engines utilizing biogas in the future to offset increased power demands.
- Drying biosolids to reduce water content (thermal dryer).
- Possible revenue generation by injecting excess biogas into natural gas pipelines.

In 2015, the District conducted a co-digestion pilot program to evaluate if additional biogas could be produced and identify any high-level unforeseen consequences. The pilot study concluded that it is possible to generate more biogas; however, the pilot program's main focus was proof of concept and did not go as far to quantify the amount of biogas that could be produced at full scale.

The purpose of Task Order No. 1 is to authorize Hazen to provide professional engineering services for the Study. The scope of services will include the following:

- Evaluate digester capacity and establish the quantity of organic material that can be co-digested.
- Evaluate anticipated amounts of biogas production.
- Update the District's treatment model to evaluate the impacts from co-digestion of organic materials on the liquid treatment process (co-digestion increases the nutrient loading at the plant).
- Based upon treatment model results, evaluate whether the proposed ETSU Phase 1 improvements can handle increases in nutrient loading based on co-digestion of the maximum amount of organic material.
- Evaluate if there is a reduction in liquid treatment capacity as a result of co-digestion and if so, what improvements may be needed to accommodate the co-digestion of additional organic material.
- Evaluate the impact on struvite formation in the solids handling facilities.
- If co-digestion is deemed feasible, required supporting infrastructure will be evaluated, including sizing and associated cost estimates.

Hazen’s scope of services and fees for Task Order No. 1 are summarized below:

Task No.	Task Description	Fee
1	Review Background Data	\$10,500
2	Evaluations	\$57,520
3	Co-Digestion Facility Feasibility Evaluation	\$42,980
4	Project Management	\$13,820
Task Order No. 1 Not-to-Exceed Fee		\$124,820

Staff believes the total not-to-exceed fee of \$124,820 is reasonable given the level of effort required. The FY 24 Special Studies budget includes \$125,000 to conduct this evaluation. Hazen will complete the evaluation within 194 calendar days or approximately March of 2024.

Most wastewater treatment plants were not originally designed to remove nutrients, the District’s treatment plant is no exception. The ETSU program, currently under construction, will reduce the current nutrient loading that is naturally occurring from the organic material received daily at the plant.

The recent algal blooms in the SF Bay have put additional emphasis on nutrients from wastewater plants as they are seen as one of the many contributing factors. The Regional Board has indicated their position on nutrient loadings will need to be re-evaluated, including possibly adding nutrient limits in the next watershed permit, which is expected in calendar year 2024.

Co-digestion includes incorporating high strength organic materials directly into the digesters and can have high levels of the nutrients the Regional Board is concerned about. For these reasons, staff considered abandoning the co-digestion concept. However, staff is of the opinion it would be prudent to further evaluate co-digestion to quantify the benefits and challenges so the District can make an informed decision.

Background

The District currently utilizes seven mesophilic anaerobic primary digesters to achieve reduction in volatile solids contents from the thickened primary and secondary sludge and scum for beneficial reuse as defined by the 40 CFR Part 503 regulations. Digester gas from each of the digesters is collected in the digester gas system and either used to fuel the District’s 1.7-MW cogeneration system, a boiler or burned by the waste gas burners. The electricity produced by the cogeneration system reduces significantly the energy purchased from PG&E to power the facilities. In order for both of the cogeneration engines to run at full capacity, natural gas has been used to supplement biogas for at least one of the cogeneration engines.

The District has been exploring alternatives to achieve energy neutrality by minimizing power or gas purchases from PG&E. One of the alternatives being considered is co-digestion of external

organic feedstock to enhance biogas production. While there have been abundant literature reports on the positive impacts of co-digestion on biogas production, there is uncertainty in the desired external organic feedstock feed rate necessary to address the specific biogas deficiency at USD, as organic feedstock can vary in quality and energy content. In addition, there has been controversial reports on whether there is any potential negative impact of co-digestion on a plant's liquid and solids system performance. For example, some literature has reported that co-digestion can improve dewatering and odor control from the biosolids, there are also other studies which reported decreased dewaterability due to co-digestion. The different observations in performance may be due in part to differences in the external organic feedstock compositions.

Previous Board Action

None

Attachments: Figure 1 – Site Plan
Agreement
Task Order No. 1

FIGURE 1 SITE PLAN: CO-DIGESTION FEASIBILITY STUDY



CO-DIGESTION FEASIBILITY STUDY

AGREEMENT

BETWEEN

UNION SANITARY DISTRICT

AND

HAZEN AND SAWYER

FOR

PROFESSIONAL SERVICES

THIS IS AN AGREEMENT MADE AS OF _____, BETWEEN UNION SANITARY DISTRICT (hereinafter referred to as District), and HAZEN AND SAWYER (hereinafter referred to as Engineer).

WITNESSETH:

WHEREAS, District intends to conduct the Co-Digestion Feasibility Study (hereinafter referred to as Project), and,

WHEREAS, District requires certain professional services in connection with the Project (hereinafter referred as Services); and

WHEREAS, Engineer is qualified and prepared to provide such Services;

NOW, THEREFORE, in consideration of the promises contained herein, the parties agree as follows:

ARTICLE 1 - SERVICES TO BE PERFORMED BY ENGINEER

- 1.1 Specific Services and the associated scope of services, payment, schedule, and personnel will be defined in specific Task Order as mutually agreed by District and Engineer.
- 1.2 All Task Orders will by reference incorporate the terms and conditions of this Agreement, and become formal amendments hereto.

ARTICLE 2 - COMPENSATION

2.1 Compensation for consulting services performed under this Agreement shall include:

- (1) Direct labor costs, multiplied by an agreed upon fixed factor (the Multiplier), to compensate for fringe benefits, indirect costs, and profit.
- (2) Non-labor direct project charge not included in the fixed factor and acceptable, without any markup.
- (3) Subconsultant costs, with a maximum markup of 5%.

Definitions are as follows:

- (a) Direct labor is salaries and wages paid to personnel for time directly chargeable to the project. Direct labor does not include the cost of Engineer's statutory and customary benefits, such as sick leave, holidays, vacations, and medical and retirement benefits nor the cost of the time of executive and administrative personnel and others whose time is not identifiable to the project.
- (b) Fringe benefits include Engineer's statutory and customary benefits, such as sick leave, holidays, vacations, medical and retirement benefits, incentive pay, tuition, and other costs classified as employee benefits.
- (c) Indirect costs are allocations of costs that are not directly chargeable to a specific engagement and are commonly referred to as Engineer's overhead. Indirect costs include provisions for such things as clerical support, office space, light and heat, insurance, statutory and customary employee benefits, and the time of executive and administrative personnel and others whose time is not identifiable to the Project or to any other project. Under no circumstances can the same labor costs be charged as direct labor and also appear at the same time as indirect costs, and vice versa.
- (d) The Multiplier is a multiplicative factor which is applied to direct labor costs, and compensates Engineer for fringe benefits and indirect costs (overhead) and profit.
- (e) Other non-labor direct project charges shall be included in the overhead and these charges include typical expenses as cost of

transportation and subsistence, printing and reproduction, computer time and programming costs, identifiable supplies, outside consultant's charges, subcontracts, and charges by reviewing authorities."

Alternatively, the District and the Engineer may agree to utilize the fully-encumbered hourly rates and fees for Services performed by the Engineer. These hourly rates and fees shall be based on the Engineer's rate schedule published at the time this Agreement or Task Order is executed and shall be attached to each applicable Task Order.

- 2.2 Reimbursement for mileage shall not exceed the prevailing Internal Revenue Service's standard mileage rate.
- 2.3 A *Cost Ceiling* will be established for each Task Order which is based upon estimated labor-hours and cost estimates. Costs as described above, comprising direct labor, overhead cost, and other direct costs, shall be payable up to a Cost Ceiling as specified in the Task Order. A *Maximum Fee Ceiling*, or *Task Order Firm Ceiling*, will also be established for each Task Order which includes the Cost Ceiling plus the Professional Fee.
- 2.4 Engineer shall invoice District monthly for the actual costs incurred, and a pro-rated portion of the Professional Fee for work performed during the previous month. If the Maximum Fee Ceiling is reached, the Engineer will complete the agreed-upon work for the Maximum Fee Ceiling. With District staff approval, labor hours may be reallocated within the tasks without renegotiation in such a manner so as not to exceed the Maximum Fee Ceiling.
- 2.5 The Engineer shall provide the District with a review of the budget amounts when 75 percent of the Cost Ceiling for any task has been expended. Engineer may request a revision in the Cost Ceiling for performance of this Agreement, and will relate the rationale for the revision to the specific basis of estimate as defined in the Scope of Services. Such notification will be submitted to the District at the earliest possible date. The authorized Cost Ceiling shall not be exceeded without written approval of the District.
- 2.6 The Professional Fee will not be changed except in the case of a written amendment to the Agreement which alters the Scope of Services. District and Engineer agree to negotiate an increase or decrease in Cost Ceiling and Professional Fee for any change in Scope of Services required at any time during the term of this Agreement. Engineer will not commence work on the altered Scope of Services until authorized by District.

- 2.7 Direct labor rates are subject to revision to coincide with Engineer's normal salary review schedule. Adjustments in direct labor rates shall not affect the firm ceiling without prior written authorization of the District.
- 2.8 District shall pay Engineer in accordance with each Task Order for Services.
- 2.9 Engineer shall submit monthly statements for Services rendered. District will make prompt monthly payments in response to Engineer's monthly statements.

ARTICLE 3 - PERIOD OF SERVICE

- 3.1 Engineer's services will be performed and the specified services rendered and deliverables submitted within the time period or by the date stipulated in each Task Order.
- 3.2 Engineer's services under this Agreement will be considered complete when the services are rendered and/or final deliverable is submitted and accepted by District.
- 3.3 If any time period within or date by which any of the Engineer's services are to be completed is exceeded through no fault of Engineer, all rates, measures and amounts of compensation and the time for completion of performance shall be subject to equitable adjustment.

ARTICLE 4 - DISTRICT'S RESPONSIBILITIES

District will do the following in a timely manner so as not to delay the services of Engineer.

- 4.1 Provide all criteria and full information as to District's requirements for the services assignment and designate in writing a person with authority to act on District's behalf on all matters concerning the Engineer's services.
- 4.2 Furnish to Engineer all existing studies, reports and other available data pertinent to the Engineer's services, obtain or authorize Engineer to obtain or provide additional reports and data as required, and furnish to Engineer services of others required for the performance of Engineer's services hereunder, and Engineer shall be entitled to use and rely upon all such information and services provided by District or others in performing Engineer's services under this Agreement.

- 4.3 Arrange for access to and make all provisions for Engineer to enter upon public and private property as required for Engineer to perform services hereunder.
- 4.4 Perform such other functions as are indicated in each Task Order related to duties of District.
- 4.5 Bear all costs incident to compliance with the requirements of this Section.

ARTICLE 5 - STANDARD OF CARE

- 5.1 Engineer shall exercise the same degree of care, skill, and diligence in the performance of the Services as is ordinarily provided by a professional Engineer under similar circumstance and Engineer shall, at no cost to District, re-perform services which fail to satisfy the foregoing standard of care.

ARTICLE 6 - OPINIONS OF COST AND SCHEDULE

- 6.1 Since Engineer has no control over the cost of labor, materials, equipment or services furnished by others, or over contractors', subcontractors' , or vendors' methods of determining prices, or over competitive bidding or market conditions or economic conditions, Engineer's cost estimate and economic analysis shall be made on the basis of qualification and experience as a professional engineer.
- 6.2 Since Engineer has no control over the resources provided by others to meet contract schedules, Engineer's forecast schedules shall be made on the basis of qualification and experience as a professional Engineer.
- 6.3 Engineer cannot and does not guarantee that proposals, bids or actual project costs will not vary from his cost estimates or that actual schedules will not vary from his forecast schedules.

ARTICLE 7 - SUBCONTRACTING

- 7.1 No subcontract shall be awarded by Engineer until prior written approval is obtained from the District.

ARTICLE 8 - ENGINEER-ASSIGNED PERSONNEL

- 8.1 Engineer shall designate in writing an individual to have immediate responsibility for the performance of the services and for all matters relating to performance under this Agreement. Key personnel to be assigned by Engineer will be stipulated in each Task Order. Substitution of any assigned person shall require the prior written approval of the District, which shall not be unreasonably withheld. If the District determines that a proposed substitution is not responsible or qualified to perform the services then, at the request of the District, Engineer shall substitute a qualified and responsible person.

ARTICLE 9 - OWNERSHIP OF DOCUMENTS

- 9.1 All work products, drawings, data, reports, files, estimate and other such information and materials (except proprietary computer programs, including source codes purchased or developed with Engineer monies) as may be accumulated by Engineer to complete services under this Agreement shall be owned by the District.
- 9.2 Engineer shall retain custody of all project data and documents other than deliverables specified in each Task Order, but shall make access thereto available to the District at all reasonable times the District may request. District may make and retain copies for information and reference.
- 9.3 All deliverables and other information prepared by Engineer pursuant to this Agreement are instruments of service in respect to this project. They are not intended or represented to be suitable for reuse by District or others on extensions of this Project or on any other project. Any reuse without written verification or adaptation by Engineer for the specific purpose intended will be at District's sole risk and without liability or legal exposure to Engineer; and District shall indemnify and hold harmless Engineer against all claims, damages, losses, and expenses including attorney's fees arising out of or resulting from such reuse. Any such verification or adaptation will entitle Engineer to further compensation at rates to be agreed upon by District and Engineer.

ARTICLE 10 - RECORDS OF LABOR AND COSTS

- 10.1 Engineer shall maintain for all Task Orders, records of all labor and costs used in claims for compensation under this Agreement. Records shall mean a contemporaneous record of time for personnel; a methodology and

calculation of the Multiplier for fringe benefits and indirect costs; and invoices, time sheets, or other factors used as a basis for determining other non-labor Project charges. These records must be made available to the District upon reasonable notice of no more than 48 hours during the period of the performance of this Agreement.

- 10.2 After delivery of Services (completion of Task Orders) under this Agreement, the Engineer's records of all costs used in claims for compensation under this Agreement shall be available to District's accountants and auditors for inspection and verification. These records will be maintained by Engineer and made reasonably accessible to the District for a period of three (3) years after completion of Task Orders under this Agreement.
- 10.3 Engineer agrees to cooperate and provide any and all information concerning the Project costs which are a factor in determining compensation under this Agreement as requested by the District or any public agency which has any part in providing financing for, or authority over, the Services which are provided under the Agreement.
- 10.4 Failure to provide documentation or substantiation of all Project costs used as a factor in compensation paid under Article 2 hereof will be grounds for District to refuse payment of any statement submitted by the Engineer and for a back charge for any District funds, including interest from payment; or grant, matching, or other funds from agencies assisting District in financing the Services specified in this Agreement.

ARTICLE 11 - INSURANCE

Engineer shall provide and maintain at all times during the performance of the Agreement the following insurances:

- 11.1 Workers' Compensation and Employer's Liability Insurance for protection of Engineer's employees as required by law and as will protect Engineer from loss or damage because of personal injuries, including death to any of his employees.
- 11.2 Comprehensive Automobile Liability Insurance. Engineer agrees to carry a Comprehensive Automobile Liability Policy providing bodily injury liability. This policy shall protect Engineer against all liability arising out of the use of owned or leased automobiles both passenger and commercial. Automobiles, trucks, and other vehicles and equipment (owned, not owned, or hired, licensed or unlicensed for road use) shall be covered under this policy. Limits

of liability for Comprehensive Automobile Liability Insurance shall not be less than \$1,000,000 Combined Single Limit.

11.3 Comprehensive General Liability Insurance as will protect Engineer and District from any and all claims for damages or personal injuries, including death, which may be suffered by persons, or for damages to or destruction to the property of others, which may arise from the Engineer's operations under this Agreement, which insurance shall name the District as additional insured. Said insurance shall provide a minimum of \$1,000,000 Combined Single Limit coverage for personal injury, bodily injury, and property damage for each occurrence and aggregate. Such insurance will insure Engineer and District from any and all claims arising from the following:

1. Personal injury;
2. Bodily injury;
3. Property damage;
4. Broad form property damage;
5. Independent contractors;
6. Blanket contractual liability.

11.4 Engineer shall maintain a policy of professional liability insurance, protecting it against claims arising out of negligent acts, errors, or omissions of Engineer pursuant to this Agreement, in an amount of not less than \$1,000,000. The said policy shall cover the indemnity provisions under this Agreement.

11.5 Engineer agrees to maintain such insurance at Engineer's expense in full force and effect in a company or companies satisfactory to the District. All coverage shall remain in effect until completion of the Project.

11.6 Engineer will furnish the District with certificates of insurance and endorsements issued by Engineer's insurance carrier and countersigned by an authorized agent or representative of the insurance company. The certificates shall show that the insurance will not be cancelled without at least thirty (30) days' prior written notice to the District. The certificates for liability insurance will show that liability assumed under this Agreement is included. The endorsements will show the District as an additional insured on Engineer's insurance policies for the coverage required in Article 11 for services performed under this Agreement, except for workers' compensation and professional liability insurance.

11.7 Waiver of Subrogation: Engineer hereby agrees to waive subrogation which any insurer of Engineer may acquire from Engineer by virtue of the payment of any loss. Engineer agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation.

The Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of the District for all work performed by the Engineer, its employees, agents and subconsultants.

ARTICLE 12 - LIABILITY AND INDEMNIFICATION

- 12.1 Having considered the risks and potential liabilities that may exist during the performance of the Services, and in consideration of the promises included herein, District and Engineer agree to allocate such liabilities in accordance with this Article 12. Words and phrases used in this Article shall be interpreted in accordance with customary insurance industry usage and practice.
- 12.2 Engineer shall indemnify and save harmless the District and all of their agents, officers, and employees from and against all claims, demands, or causes of action of every name or nature to the extent caused by the negligent error, omission, or act of Engineer, its agents, servants, or employees in the performance of its services under this Agreement. In no event shall Engineer's costs to defend the District exceed the Engineer's proportionate percentage of negligence or fault, based upon a final judicial determination, except that if one or more defendants in an action are unable to pay its share of defense costs due to bankruptcy or dissolution, Engineer shall meet and confer with the other defendant parties regarding defense costs.
- 12.3 In the event an action for damages is filed in which negligence is alleged on the part of District and Engineer, Engineer agrees to defend District. In the event District accepts Engineer's defense, District agrees to indemnify and reimburse Engineer on a pro rata basis for all expenses of defense and any judgment or amount paid by Engineer in resolution of such claim. Such pro rata share shall be based upon a final judicial determination of proportionate negligence or, in the absence of such determination, by mutual agreement.
- 12.4 Engineer shall indemnify District against legal liability for damages arising out of claims by Engineer's employees. District shall indemnify Engineer against legal liability for damages arising out of claims by District's employees.
- 12.5 Indemnity provisions will be incorporated into all Project contractual arrangements entered into by District and will protect District and Engineer to the same extent.

- 12.6 Upon completion of all services, obligations and duties provided for in the Agreement, or in the event of termination of this Agreement for any reason, the terms and conditions of this Article shall survive.
- 12.7 To the maximum extent permitted by law, Engineer's liability for District's damage will not exceed the aggregate compensation received by Engineer under this Agreement or the maximum amount of professional liability insurance available at the time of any settlement or judgment, which ever is greater.

ARTICLE 13 - INDEPENDENT CONTRACTOR

Engineer undertakes performance of the Services as an independent contractor and shall be wholly responsible for the methods of performance. District will have no right to supervise the methods used, but District will have the right to observe such performance. Engineer shall work closely with District in performing Services under this Agreement.

ARTICLE 14 - COMPLIANCE WITH LAWS

In performance of the Services, Engineer will comply with applicable regulatory requirements including federal, state, and local laws, rules, regulations, orders, codes, criteria and standards. Engineer shall procure the permits, certificates, and licenses necessary to allow Engineer to perform the Services. Engineer shall not be responsible for procuring permits, certificates, and licenses required for any construction unless such responsibilities are specifically assigned to Engineer in Task Order.

ARTICLE 15 - NONDISCLOSURE OF PROPRIETARY INFORMATION

Engineer shall consider all information provided by District and all drawings, reports, studies, design calculations, specifications, and other documents resulting from the Engineer's performance of the Services to be proprietary unless such information is available from public sources. Engineer shall not publish or disclose proprietary information for any purpose other than the performance of the Services without the prior written authorization of District or in response to legal process.

ARTICLE 16 - TERMINATION OF CONTRACT

- 16.1 The obligation to continue Services under this Agreement may be terminated by either party upon seven days written notice in the event of substantial

failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party.

- 16.2 District shall have the right to terminate this Agreement or suspend performance thereof for District's convenience upon written notice to Engineer, and Engineer shall terminate or suspend performance of Services on a schedule acceptable to District. In the event of termination or suspension for District's convenience, District will pay Engineer for all services performed and costs incurred including termination or suspension expenses. Upon restart of a suspended project, equitable adjustment shall be made to Engineer's compensation.

ARTICLE 17 - UNCONTROLLABLE FORCES

- 17.1 Neither District nor Engineer shall be considered to be in default of this Agreement if delays in or failure of performance shall be due to uncontrollable forces, the effect of which, by the exercise of reasonable diligence, the nonperforming party could not avoid. The term "uncontrollable forces" shall mean any event which results in the prevention or delay of performance by a party of its obligations under this Agreement and which is beyond the control of the nonperforming party. It includes, but is not limited to, fire, flood, earthquake, storms, lightening, epidemic, war, riot, civil disturbance, sabotage, inability to procure permits, licenses, or authorizations from any state, local, or federal agency or person for any of the supplies, materials, accesses, or services required to be provided by either District or Engineer under this Agreement, strikes, work slowdowns or other labor disturbances, and judicial restraint.
- 17.2 Neither party shall, however, be excused from performance if nonperformance is due to uncontrollable forces which are removable or remediable, and which the nonperforming party could have, with the exercise of reasonable diligence, removed or remedied with reasonable dispatch. The provisions of this Article shall not be interpreted or construed to require Engineer or District to prevent, settle, or otherwise avoid a strike, work slowdown, or other labor action. The nonperforming party shall, within a reasonable time of being prevented or delayed from performance by an uncontrollable force, give written notice to the other party describing the circumstances and uncontrollable forces preventing continued performance of the obligations of this Agreement. The Engineer will be allowed reasonable negotiated extension of time or adjustments for District initiated temporary stoppage of services.

ARTICLE 18 - MISCELLANEOUS

- 18.1 A waiver by either District or Engineer of any breach of this Agreement shall not be binding upon the waiving party unless such waiver is in writing. In the event of a written waiver, such a waiver shall not affect the waiving party's rights with respect to any other or further breach.
- 18.2 The invalidity, illegality, or unenforceability of any provision of this Agreement, or the occurrence of any event rendering any portion or provision of this Agreement void, shall in no way effect the validity or enforceability of any other portion or provision of the Agreement. Any void provision shall be deemed severed from the Agreement and the balance of the Agreement shall be construed and enforced as if the Agreement did not contain the particular portion or provision held to be void.

ARTICLE 19 - INTEGRATION AND MODIFICATION

- 19.1 This Agreement (consisting of pages 1 to 14), together with all Task Orders executed by the undersigned, is adopted by District and Engineer as a complete and exclusive statement of the terms of the Agreement between District and Engineer. This Agreement supersedes all prior agreements, contracts, proposals, representations, negotiations, letters, or other communications between the District and Engineer pertaining to the Services, whether written or oral.
- 19.2 The Agreement may not be modified unless such modifications are evidenced in writing signed by both District and Engineer.

ARTICLE 20 - SUCCESSORS AND ASSIGNS

- 20.1 District and Engineer each binds itself and its directors, officers, partners, successors, executors, administrators, assigns and legal representatives to the other party to this Agreement and to the partners, successors, executors, administrators, assigns, and legal representatives of such other party, in respect to all covenants, agreements, and obligations of this Agreement.
- 20.2 Neither District nor Engineer shall assign, sublet, or transfer any rights under or interest in (including, but without limitation, monies that may become due or monies that are due) this Agreement without the written consent of the other, except to the extent that the effect of this limitation may be restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement. Nothing contained in this

paragraph shall prevent Engineer from employing such independent engineers, associates, and subcontractors as he may deem appropriate to assist him/her in the performance of the Services hereunder and in accordance with Article 7.

20.3 Nothing herein shall be construed to give any rights or benefits to anyone other than District and Engineer.

ARTICLE 21 – INFORMATION SYSTEM SECURITY

When the District determines this article is applicable, the Engineer shall obtain written approval from the District representative prior to accessing District internal systems through real-time computer connections. Upon approval, the Engineer will use only in-bound connections to accomplish a legitimate business need and a previously defined and approved task. As a condition of approval, the Engineer shall:

- a) Be running a current operating system supported by the District with up-to-date security patches applied as defined in the District COE/Non-COE document.
- b) Have anti-virus software installed on his/her personal computer with up-to-date virus signatures.
- c) Have personal firewall software installed and enabled on their computer.
- d) Understand and sign the District's Electronic Equipment Use Policy, number 2160.

The District reserves the right to audit the security measures in effect on Engineer's connected systems without prior notice. The District also reserves the right to terminate network connections immediately with all Engineer's systems not meeting the above requirements.

ARTICLE 22 – EMPLOYEE BACKGROUND CHECK

Engineer, at no additional expense to the District, shall conduct a background check for each of its employees, as well as for the employees of its subconsultants (collectively "Consultant Employees") who will have access to District's computer systems, either through on-site or remote access, or whose contract work requires an extended presence on the District's premises. The minimum background check process for any District consultant shall include, but not be limited to

1. California residents: Criminal Records (County and State Criminal Felony and Misdemeanor

2. Out of State residents: Federal criminal search of the National Criminal Database,

The background check shall be conducted and the results submitted to the District prior to initial access by Consultant Employees. If at any time, it is discovered that a Consultant Employee has a criminal record that includes a felony or misdemeanor, the Engineer is required to inform the District immediately and the District will assess the circumstances surrounding the conviction, time frame, nature, gravity, and relevancy of the conviction to the job duties, to determine whether the Consultant Employee will be placed or remain on a District assignment. The District may withhold consent at its sole discretion. The District may also conduct its own criminal background check of the Consultant Employees. Failure of the Engineer to comply with the terms of this paragraph may result in the termination of its contract with the District.

ARTICLE 23 - EXCEPTIONS

No exceptions.

IN WITNESS THEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.

DISTRICT

ENGINEER

UNION SANITARY DISTRICT

HAZEN AND SAWYER

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

By: _____
Marc S. Solomon, P.E.
Vice President

Date: _____

Date: _____

CO-DIGESTION FEASIBILITY STUDY

TASK ORDER NO. 1

TO

AGREEMENT

BETWEEN

UNION SANITARY DISTRICT

AND

HAZEN AND SAWYER

FOR

PROFESSIONAL SERVICES

Dated _____

1. PURPOSE

The purpose of Task Order No. 1 is for Hazen and Sawyer (Engineer) to professional engineering services associated with the Co-Digestion Feasibility Study (Project).

2. PROJECT COORDINATION

All work related to this task order shall be coordinated through the District's Project liaison, Paul Eldredge.

3. ENGINEER'S SCOPE OF SERVICES

The task numbers in this Scope of Services are associated with the cost data presented in Exhibit A.

Task 1 – Review Background Data

Under this Task, the Hazen team will review background data. This task will include the following subtasks as listed below.

Subtask 1.1 Review of Recent Co-gestion Pilot Study and Plant Process Data

Hazen will review the previously completed Co-digestion Pilot Study data as well as more recent process data. Hazen will prepare a data request for additional process information. Hazen will review the background materials received including operational data, reports, and other pertinent information provided by the District.

Subtask 1.2 Site Visit

Working with District Staff, Hazen will coordinate site visits for the Hazen team. We anticipate one site visit will be needed to confirm existing site conditions and evaluate existing infrastructure.

Task 2 – Evaluations

Under this Task, the Hazen team will conduct various evaluations. This task will include the following subtasks as listed below.

Subtask 2.1 Digester Capacity Evaluation

Hazen will evaluate the existing digester capacity at the treatment plant based on build-out flows and establish the capacity available for co-digestion of organic waste based on the previous cheese organic waste characterization and up to two other types of organic waste. Hazen will then determine if there are other factors that might limit the amount of organic waste that can be co-digested in the available excess digester capacity.

Subtask 2.2 Biogas Production and Energy Evaluation

Based on the quantity of organic waste that can be co-digested, Hazen will evaluate the amount of biogas production that might be anticipated. Hazen will look at the existing and future gas and energy needs to determine how much of the existing and future gas and energy needs can be offset by this additional biogas production. Hazen will also provide up to three alternatives for biogas utilization based on the current and future gas and energy needs.

Subtask 2.3 Liquid Treatment Evaluation

Hazen will perform a calibration check on the previously developed BioWin™ model. Hazen will use the updated model to evaluate the impacts of recycled streams from the co-digestion of organic waste on the liquid treatment process. Assumptions on organic waste composition will be based on literature and previous cheese organic waste characterization. Hazen will evaluate whether the proposed ETSU Phase 1 improvements can handle increases in nutrient loading based on co-digestion of the maximum amount of organic waste and/or if there is a reduction in liquid treatment capacity as a result of co-digestion and if so, then what improvements may be needed to accommodate the co-digestion of additional organic waste. Hazen will also use the updated model to understand the impact on struvite formation in the solids handling facilities.

Subtask 2.4 Evaluations Workshop

A workshop will be conducted to review the findings from the evaluations performed under this task and get input from the District.

Task 2 Deliverable

- Evaluation Workshop agenda, presentation slides and meeting minutes (PDF).

Task 3 – Co-Digestion Facility Feasibility Study TM

Under this Task, the Hazen team will develop a feasibility study TM. This task will include the following subtasks as listed below.

Subtask 3.1 – Facility Layout

Considering if there is excess capacity of existing digesters, Hazen will determine the sizing and location of a receiving facility. The receiving facility would require tanks, pumps, and equipment to store, mix and handle the organic waste for injection into the anaerobic digesters. Additionally, odor control may be needed. The components of the receiving facility will be identified, sized, and located with input from USD Staff. Proposed site layouts will be provided to USD. Hazen will prepare a facility layout for the Co-Digestion Facility to allow the District to accept, store and feed additional waste into the Digesters.

Subtask 3.2 – Facility Cost Estimate

Hazen will provide a 10% cost estimate for the Co-Digestion Facility. This will be a Class 5 OPCC that will include construction cost and annual O&M cost for the recommended project as well as a tipping fee analysis. Comments received from the District on the draft cost estimate will be incorporated into the final cost estimate included in the TM.

Subtask 3.3 – Draft and Final TM

Hazen will provide a TM that will summarize the findings of the Co-Digestion Feasibility Study. The TM will summarize all the evaluation and analysis work carried out under Tasks 2 and 3 and will include design criteria for the Co-Digestion Facility, an overall layout plan and cost estimate. The TM will be submitted five days prior to the TM Review workshop. Comments received from the District on the draft document shall be incorporated into the final TM.

Subtask 3.4 – TM Review Workshop

A workshop will be held to review the pre-design report deliverables and get input from the District.

Task 3 Deliverables

- Final workshop agenda, presentation, and meeting notes (PDF).
- A draft and final feasibility report (Word, PDF).

Task 4 – Project Management

Under this Task, the Hazen team will perform project management tasks associated with this project. These project management tasks will include development of a Project Management Plan, a Kick-Off Meeting, Project Management meetings and monthly reporting and invoicing. This Preliminary Design Report task will include the following subtasks as listed below.

Subtask 4.1 Project Management Plan

Hazen will develop a Project Management Plan (PMP) for the project that will be submitted to the District for review.

Subtask 4.2 Kick-off Meeting and Project Management Meetings

Working with District Project Manager, Hazen will coordinate and schedule project progress meetings. The purpose of these meetings will be to review project issues, schedule, budget and action items with the District.

Subtask 4.3 Monthly Reporting

Hazen will provide monthly invoices and reports to the District, including information on work performed the previous month, work expected for the next month, any outstanding issues or requests as well as budget information. Monthly reports will be submitted with monthly invoices.

Task 4 Deliverables

- Project Management Plan (PDF).
- Monthly Reports (PDF).
- Monthly Invoices (PDF).

4. PAYMENT TO THE ENGINEER

Payment to the Engineer shall be as called for in Article 2 of the Agreement. The billing rate schedule is equivalent to an overall labor multiplier of 3.10 for office staff, including profit. Subconsultants and outside services will be billed at actual cost, plus 5 percent; other direct costs will be billed at actual cost; and mileage will be billed at prevailing IRS standard rate.

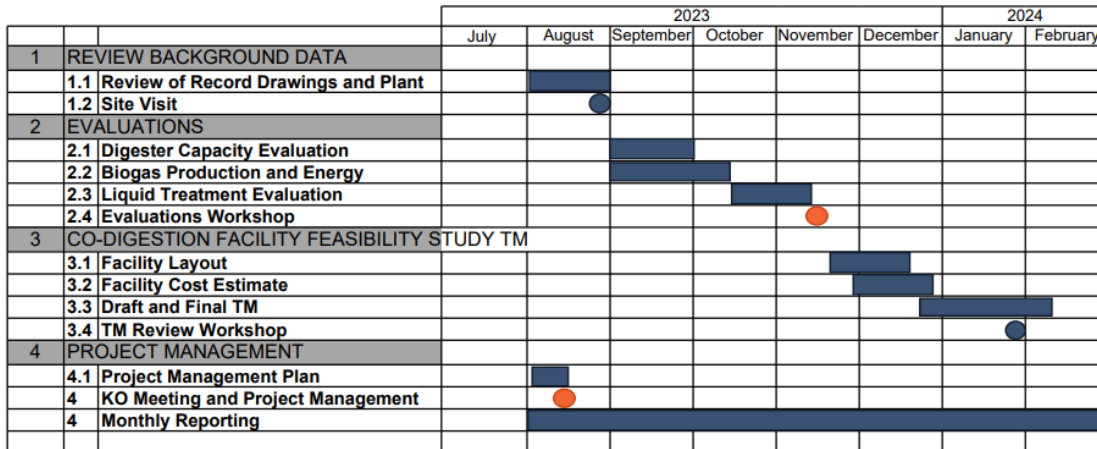
The not-to-exceed amount for Task Order No. 1 is \$124,820. A summary of the anticipated distribution of cost and manpower between tasks are shown in Exhibit A.

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

Task Order / Amendment	Not to Exceed Amount	Board Authorization Required?	District Staff Approval
Task Order No. 1 – Co-Digestion Feasibility Evaluations	\$124,820	Yes	Paul Eldredge
Total	\$124,820		

5. TIME OF COMPLETION

All work defined in this Task Order shall be completed in approximately 194 calendar days after execution of this Task Order and subject to the conditions of Article 3 of this Agreement. The anticipated project schedule is attached below:



Legend
 ■ Task Duration
 ● Site Visit
 ● Meeting/Workshop

6. KEY PERSONNEL

Engineer’s personnel assigned to Task Order No. 1 are as follows:

<u>Role</u>	<u>Key Person to be Assigned</u>
Project Manager	Allan Briggs
Principal-in-Charge	Marc Solomon
Nutrient QA/QC	Paul Pitt
Biosolids QA/QC	Mohammed Abu-Orf
Liquids Lead	Irene Chu
Biosolids Lead	Derya Dursun
Energy Lead	Bryan Lisk
Cost Estimating	Chris Portner

Key Personnel shall not be changed except in accordance with Article 8 of the Agreement.

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

DISTRICT

ENGINEER

UNION SANITARY DISTRICT

HAZEN AND SAWYER

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

By: _____
Marc S. Solomon, P.E.
Vice President

Date: _____

Date: _____

EXHIBIT A



Union Sanitary District		HAZEN													Other Direct Costs (ODCs)	Total Fee	
		Principal-In-Charge	Senior Project Manager	Biosolids QA/QC	Nutrient QA/QC	Biosolids Lead	Energy Lead	Liquids Lead	Cost Estimating	Assistant Project Engineer	Assistant Project Engineer	Assistant Project Engineer	CAD Designer	Project Admin			H&S Labor Cost
Co-Digestion Feasibility Study		Marc Solomon	Allan Briggs	Dr Mohammed Abu-Orf	Paul Pitt	Derya Dursun	Bryan Lisk	Irene Chu	Chris Portner	Sergio Jimenez	Mayur Patel	Stephanie Lin	TBD	Gabriella Hinojosa			
Billing Rate		\$350.00	\$315.00	\$300.00	\$350.00	\$290.00	\$280.00	\$270.00	\$270.00	\$150.00	\$150.00	\$150.00	\$150.00	\$160.00			
1	REVIEW BACKGROUND DATA	0	4	2	0	4	4	8	0	12	8	8	0	0	\$ 10,500	\$ -	\$ 10,500
1.1	Review of Record Drawings and Plant Data		2	2		4	4	4		8	8	8			\$ 8,190		
1.2	Site Visit		2					4		4					\$ 2,310		
2	EVALUATIONS	4	16	8	8	32	30	20	0	48	52	52	0	0	\$ 57,520	\$ -	\$ 57,520
2.1	Digester Capacity Evaluation	1	4	6	2	20	4			40					\$ 17,030		
2.2	Biogas Production and Energy Evaluation	1	4	2	2	8	22				48				\$ 18,590		
2.3	Liquid Treatment Evaluation	1	4		4			16				48			\$ 14,530		
2.4	Evaluations Workshop	1	4			4	4	4		8	4	4			\$ 7,370		
3	CO-DIGESTION FACILITY FEASIBILITY STUDY TM	3	10	4	6	20	16	16	16	56	12	12	24	6	\$ 42,980	\$ -	\$ 42,980
3.1	Facility Layout	1	2			8	4	4		20			24		\$ 12,100		
3.2	Facility Cost Estimate		2		2	2	2	2	16	4					\$ 7,930		
3.3	Draft and Final TM	1	2	4	4	6	6	6		24	12	12		6	\$ 16,780		
3.4	TM Review Workshop	1	4			4	4	4		8					\$ 6,170		
4	PROJECT MANAGEMENT	1	22	0	0	6	6	6	0	10	0	0	0	0	\$ 13,820	\$ -	\$ 13,820
4.1	Project Management Plan		2							6					\$ 1,530		
4.2	KO Meeting and Project Management Meetings	1	8	0	0	6	6	6	0	4	0	0	0	0	\$ 8,510		
4.2.1	KO Meeting	1	2			2	2	2		4							
4.2.2	Project Management Meetings		6			4	4	4									
4.3	Monthly Reporting	0	12												\$ 3,780		
TOTAL with all Tasks		8	52	14	14	62	56	50	16	126	72	72	24	6	\$124,820	\$0	\$ 124,820
TOTAL COST																	\$ 124,820



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Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

**AUGUST 28, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 10**

TITLE: **Authorize the General Manager to Execute a Contract with Dell Technologies for Five (5) Virtual Storage Area Network Servers (*This is a Motion Item*)**

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Robert Simonich, Robert FMC Work Group Manager
Chris Pachmayer, Electrical & Technology Coach
Mike Gill, Senior Network Administrator

Recommendation

Authorize the General Manager to execute a contract with Dell Technologies to purchase five (5) virtual storage area network (VSAN) servers in the amount of \$145,000.

Discussion

The District's existing five (5) physical VSAN servers located in the Administration Building are nearing the end of their useful life and are scheduled for replacement. A physical VSAN server hosts virtual computers and servers such as geographic information systems (GIS) servers, supervisory control and data acquisition (SCADA) servers, and SCADA workstations for the Plant and Pump Stations. The VSAN servers also store production data from SCADA and GIS. Production data is kept on site via the VSAN servers (i.e., not kept in the Cloud) to eliminate Internet availability as a potential point of failure. The District utilizes the National Association of State Procurement Officials contract pricing to secure the lowest available pricing for municipal agencies.

Background

Replacement of the VSAN servers are part of the District's hardware renewal and replacement program and are replaced in five (5) year time intervals. The VSAN server purchase is budgeted for in the FY 24 IT budget. The VSAN servers being replaced in the Administration Building will be relocated to the new Campus building once construction is completed. The VSAN server relocation work will be completed by IT staff.

The IT team evaluated the cost to extend support to the existing VSAN servers versus purchasing new VSAN servers and determined that replacement was the prudent choice for resiliency and reliability reasons.

Previous Board Action

None



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*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**AUGUST 28, 2023
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 11**

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

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

Recommendation

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

Discussion

On May 23, 2023, the Board met during a workshop to review preliminary Fats, Oils, and Grease (FOG) Holiday Advertisement concepts and provide comments. The Board directed staff to incorporate feedback from the workshop and present options at a later date.

Background

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

Previous Board Action

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

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

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

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

Attachments: Draft FOG Holiday Advertisement Options

AVOID PIPE CLOGS!

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

WIPE IT.



Wipe cooled pans
with a paper towel

SCRAPE IT.



Scrape solidified grease into
compostable container

COMPOST IT.



Place in your green
waste/food scraps bin

For more info:
Call USD at (510) 477-7500



Got large amounts of used cooking oil or grease?
Check our StopFOG.com webpage at the QR code
for disposal information.



AVOID PIPE CLOGS!

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

WIPE IT.



Wipe cooled pans
with a paper towel

SCRAPE IT.



Scrape solidified grease into
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Place in your green
waste/food scraps bin

For more info:
Call USD at (510) 477-7500



Got large amounts of used cooking oil or grease?
Check our StopFOG.com webpage at the QR code
for disposal information.



AVOID PIPE CLOGS!

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

WIPE IT.



Wipe cooled pans
with a paper towel

SCRAPE IT.



Scrape cooled grease into
compostable paper container

COMPOST IT.



Place in your green
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185048	8/17/2023	114	800545.9	ZOVICH CONSTRUCTION	CAMPUS BUILDINGS (ADMIN, FMC, OPS)	\$2,823,469.79	\$2,823,469.79
184978	8/10/2023	114	800532.14	W.M. LYLES CO	MP - AERATION BASIN MODIFICATIONS	\$1,528,978.30	\$1,528,978.30
185049	8/17/2023	114	800545.9E	ZOVICH CONSTRUCTION	CAMPUS BUILDINGS (ADMIN, FMC, OPS) - ESCROW	\$148,603.67	\$148,603.67
184970	8/10/2023	110	39883	SYNAGRO WEST LLC	JUN 2023 BIOSOLIDS DISPOSAL	\$101,623.52	\$101,623.52
184979	8/10/2023	114	800532.14E	W.M. LYLES CO	MP - AERATION BASIN MODIFICATIONS - ESCROW	\$80,472.54	\$80,472.54
184947	8/10/2023	143	438	GLENMOUNT GLOBAL SOLUTIONS LLC	ALVARADO INFLUENT PS PUMPS AND VFDS	\$54,495.00	\$54,495.00
185042	8/17/2023		533620230724	US BANK CORP PAYMENT SYSTEM	MONTHLY CAL-CARD REPORT - JULY 2023	\$29,051.62	\$29,051.62
185013	8/17/2023	110	9017798763	KEMIRA WATER SOLUTIONS INC	42,480 LBS FERROUS CHLORIDE	\$9,436.25	\$19,227.23
	8/17/2023	110	9017799075		41,840 LBS FERROUS CHLORIDE	\$9,790.98	
184976	8/10/2023	123	2023179970	USA NORTH 811	UNDERGROUND SERVICE ALERT - UNIQUE BILLABLE TICKETS	\$17,799.49	\$17,799.49
185018	8/17/2023	141	48095	MARK THOMAS & CO INC	CONSTRUCTION INSPECTION SERVICES	\$17,705.51	\$17,705.51
184921	8/10/2023	132	2266	ALL HAZARD EHS INC	CONFINED SPACE TRAINING	\$16,000.00	\$16,000.00
184925	8/10/2023	136	2953	ANDRITZ SEPARATION INC	CREDIT: FEDEX FREIGHT	\$-597.13	\$13,185.25
	8/10/2023	170	8480120523		1 GEARBOX REBUILD KIT	\$13,782.38	
184994	8/17/2023		20230816	STATE OF CALIFORNIA	SALES & USE TAX 07/01/23 - 07/31/2023	\$12,719.30	\$12,719.30
184992	8/17/2023	143	11487922	BROWN & CALDWELL CONSULTANTS	STANDBY POWER SYSTEM UPGRADE	\$1,521.64	\$10,626.36
	8/17/2023	143	11489027		STANDBY POWER SYSTEM UPGRADE	\$9,104.72	
184956	8/10/2023	110	9017798436	KEMIRA WATER SOLUTIONS INC	43,560 LBS FERROUS CHLORIDE	\$10,174.11	\$10,174.11

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184960	8/10/2023		374322230801	LINCOLN NATIONAL LIFE INS COMP	LIFE & DISABILITY INSURANCE - AUG 2023	\$9,542.63	\$9,542.63
185016	8/17/2023		151544	KNAPP POLLY PIG INC	1 PIG	\$8,842.40	\$8,842.40
184972	8/10/2023	170	9021354421	THERMO ELECTRON NORTH AMERICA	ICP SERVICE & MAINTENANCE PLAN 7/15/23 - 7/14/24	\$8,645.96	\$8,645.96
184934	8/10/2023		B09R97	BENEFIT COORDINATORS CORP	DELTA DENTAL CLAIMS - JUL 2023	\$8,644.29	\$8,644.29
184957	8/10/2023	173	12108240	KRONOS SAASHR INC	UKG READY SETUP FEE	\$8,000.00	\$8,000.00
184958	8/10/2023	173	6985	KWIZCOM CORPORATION	FORMS APP ENTERPRISE 09/11/23 - 09/11/24	\$7,940.00	\$7,940.00
184984	8/17/2023	170	4047286120230802	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 08/02/23 - PASEO PADRE	\$71.08	\$7,332.58
	8/17/2023	120	4111993720230801		SERV TO: 07/31/23-MTR HYD B34041339	\$820.57	
	8/17/2023	120	4111994020230801		SERV TO: 07/31/23-MTR HYD B15000283	\$777.55	
	8/17/2023	120	4111994120230801		SERV TO: 07/31/23-MTR HYD B16583493	\$1,532.79	
	8/17/2023	120	4111994220230801		SERV TO: 07/31/23-MTR HYD B16583492	\$777.55	
	8/17/2023		4111994320230801		SERV TO: 07/31/23-MTR HYD B15072357	\$782.33	
	8/17/2023	120	4111996820230801		SERV TO: 07/31/23-MTR HYD B19329007	\$897.05	
	8/17/2023	120	4111996920230801		SERV TO: 07/31/23-MTR HYD B29454468	\$1,026.11	
	8/17/2023	120	4112871220230801		SERV TO: 07/31/23-MTR HYD B18105181	\$647.55	
184980	8/10/2023	141	221956	WOODARD & CURRAN INC	OHLONE COMMUNITY COLLEGE CAPACITY ANALYSIS	\$3,303.75	\$7,287.50
	8/10/2023	143	221958		ALVARADO BASIN CAPACITY & CONDITION	\$3,983.75	
185002	8/17/2023	110	1425440	DEPARTMENT OF GENERAL SERVICES	SERV: JUN 2023 PLANT	\$7,139.46	\$7,139.46
185010	8/17/2023	173	46593	INFOR PUBLIC SECTOR, INC	HANSEN CONSULTING SERVICES	\$7,042.50	\$7,042.50

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184948	8/10/2023		9760818204	GRAINGER INC	ASTD PARTS & MATERIALS		
	8/10/2023	170	9761829788		ASTD PARTS & MATERIALS	\$3,849.87	\$6,566.60
	8/10/2023		9762013366		ASTD PARTS & MATERIALS	\$39.41	
	8/10/2023		9762310135		ASTD PARTS & MATERIALS	\$1,608.14	
						\$1,069.18	
185044	8/17/2023	123	23USB179970	USA NORTH 811	USA ANNUAL MEMBERSHIP	\$5,954.11	\$5,954.11
185028	8/17/2023		29613997	PAN PACIFIC SUPPLY COMPANY	2 SEAL KITS	\$5,310.58	\$5,310.58
184931	8/10/2023	170	27087	BAY CITY BOILER & ENGINEERING	SERVICE: BOILER 7	\$4,530.72	\$4,530.72
184936	8/10/2023	173	22499	CDW GOVERNMENT LLC	NETWORK MONITOR RENEW	\$4,219.16	\$4,219.16
185019	8/17/2023	113	2307884	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS	\$1,655.00	\$3,877.00
	8/17/2023	113	2307906		LAB SAMPLE ANALYSIS	\$462.50	
	8/17/2023	113	2307D03		LAB SAMPLE ANALYSIS	\$378.00	
	8/17/2023	113	2307D07		LAB SAMPLE ANALYSIS	\$1,068.00	
	8/17/2023	113	2307F66		LAB SAMPLE ANALYSIS	\$313.50	
184945	8/10/2023	170	251750	FRANK A OLSEN COMPANY	1 PLUG	\$3,817.28	\$3,817.28
185032	8/17/2023	120	916005369112	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - AUG 2023	\$3,598.46	\$3,598.46
184940	8/10/2023	170	90152	CONTROLWORX LLC	WATERCHAMP REPAIRS	\$3,509.42	\$3,509.42
184928	8/10/2023		20268859	AT&T	SERV: 06/20/23 - 07/19/23	\$24.46	\$3,436.35
	8/10/2023		20268861		SERV: 06/20/23 - 07/19/23	\$3,193.24	
	8/10/2023		20268883		SERV: 06/20/23 - 07/19/23	\$218.65	

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185043	8/17/2023	136	316520230630	US BANK TREASURY MGMT SVCS	MONTHLY BANK SERVICES - JUN 2023		
						\$3,393.30	\$3,393.30
185040	8/17/2023		761193422401	STAPLES CONTRACT & COMMERCIAL	JANITORIAL & BREAKROOM SUPPLIES		
	8/17/2023		790186226501		JANITORIAL & BREAKROOM SUPPLIES	\$215.63	\$3,370.96
	8/17/2023		790186226502		JANITORIAL & BREAKROOM SUPPLIES	\$285.69	
	8/17/2023		790244746401		JANITORIAL & BREAKROOM SUPPLIES	\$2,145.85	
	8/17/2023					\$723.79	
184998	8/17/2023		20230816	WADE COGGINS	COMPUTER NOTE		
						\$3,300.00	\$3,300.00
185001	8/17/2023		20230725	DALE HARDWARE INC	07/23 - ASTD PARTS & MATERIALS		
	8/17/2023		461555		MISC HARDWARE	\$2,922.54	\$3,137.53
						\$214.99	
185024	8/17/2023		20230731	NAPA AUTO PARTS	MONTHLY AUTO PARTS STMT - JULY 2023		
						\$2,960.73	\$2,960.73
185006	8/17/2023	170	97470708	H & E EQUIPMENT SERVICES INC	EQUIPMENT RENTAL 07/12/2023 - 08/08/2023		
						\$2,956.30	\$2,956.30
184933	8/10/2023	121	31447	BAYSCAPE LANDSCAPE MANAGEMENT	LANDSCAPE MAINTENANCE SERVICES - JUL 2023		
						\$2,925.00	\$2,925.00
184920	8/10/2023		20230731	AFLAC GROUP	GROUP INSURANCE - JUL 2023		
						\$2,762.52	\$2,762.52
184967	8/10/2023	170	143281R	NEW IMAGE LANDSCAPING CO	LANDSCAPE MAINTENANCE - FMC - JUL		
						\$2,645.04	\$2,645.04
184944	8/10/2023	136	28522	FIELDMAN ROLAPP & ASSOCIATES	FINANCIAL ADVISORY SERVICES		
						\$2,446.50	\$2,446.50
185008	8/17/2023	113	20230814	ALEXANDRO HERNANDEZ	EXP REIMB: ENVIRONMENTAL MEASUREMENT SYMPOSIUM		
						\$2,406.37	\$2,406.37
184932	8/10/2023	122	37260	BAY COUNTIES DIESEL SERVICE	REPAIRS FOR TRUCK T2374		
						\$2,351.96	\$2,351.96
184971	8/10/2023	143	223211	TANNER PACIFIC INC	ALVARADO INFLUENT PS PUMPS AND VFDS		
						\$2,180.00	\$2,180.00

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184963	8/10/2023	113	2307709	MCCAMPBELL ANALYTICAL	LAB SAMPLE ANALYSIS		
	8/10/2023	113	2307719		LAB SAMPLE ANALYSIS	\$1,041.00	\$2,163.00
	8/10/2023	113	2307912		LAB SAMPLE ANALYSIS	\$615.00	
						\$507.00	
184941	8/10/2023	170	232761	CORE & MAIN LP	12 GASKETS		
	8/10/2023	170	254278		4 GASKETS	\$1,559.36	\$2,024.51
						\$465.15	
184926	8/10/2023	130	16670895	APPLEONE EMPLOYMENT SVCS	TEMP LABOR-LARIOS, WK END 07/15/23		
						\$1,737.68	\$1,737.68
184938	8/10/2023	150	19070	CITYLEAF INC	2023 HOLIDAY DECOR		
						\$1,729.92	\$1,729.92
184988	8/17/2023	130	16675475	APPLEONE EMPLOYMENT SVCS	TEMP LABOR-LARIOS, WK END 07/22/23		
						\$1,718.02	\$1,718.02
184997	8/17/2023	170	10010104531	CARBOLINE COMPANY	PAINT & RELATED PAINT SUPPLIES		
	8/17/2023	170	10010104844		PAINT & RELATED PAINT SUPPLIES	\$794.40	\$1,703.67
						\$909.27	
184927	8/10/2023	122	5110264982	ARAMARK	ASTD DUST MOPS, WET MOPS & TERRY		
	8/10/2023		5180229013		UNIFORM LAUNDERING & RUGS	\$93.99	\$1,615.20
	8/10/2023		5180229014		UNIFORM LAUNDERING SERVICE	\$512.50	
						\$1,008.71	
184950	8/10/2023	143	2011800719	HAZEN AND SAWYER	PUMP STATION ASSET CONDITION ASSESSMENT		
						\$1,577.50	\$1,577.50
184929	8/10/2023	136	2522565700	BANK OF NEW YORK	JUNE 2023 SERVICE FEES		
						\$1,475.51	\$1,475.51

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185046	8/17/2023		8813552075	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$805.64	\$1,374.56
	8/17/2023		8813572141		LAB SUPPLIES	\$360.00	
	8/17/2023		8813576716		LAB SUPPLIES	\$63.13	
	8/17/2023	113	8813576717		LAB SUPPLIES	\$83.63	
	8/17/2023	113	8813579335		LAB SUPPLIES	\$62.16	
185000	8/17/2023	170	217554	CORE & MAIN LP	1 SUPERNANT DRAIN DOUBLE WYE	\$1,313.50	\$1,313.50
185027	8/17/2023	173	9004119180	OPEN TEXT	RIGHTFAX ANNUAL SUPPORT	\$1,297.78	\$1,297.78
184989	8/17/2023	144	5180231883	ARAMARK	UNIFORM LAUNDERING & RUGS	\$421.21	\$1,297.63
	8/17/2023		5180231884		UNIFORM LAUNDERING SERVICE	\$876.42	
185033	8/17/2023	170	486549	RKI INSTRUMENTS INC	ASTD PARTS & MATERIALS	\$1,262.55	\$1,262.55
184999	8/17/2023	170	20230801	COMMUNICATION & CONTROL INC	UTILITY FEE/ANTENNA RENTAL	\$1,227.30	\$1,227.30
184964	8/10/2023	123	11165259	MCMaster SUPPLY INC	ASTD PARTS & MATERIALS	\$916.14	\$1,216.01
	8/10/2023	170	11843883		ASTD PARTS & MATERIALS	\$142.33	
	8/10/2023		11975539		ASTD PARTS & MATERIALS	\$157.54	
185005	8/17/2023	111	9762962075	GRAINGER INC	ASTD PARTS & MATERIALS	\$51.32	\$1,198.45
	8/17/2023	170	9768163983		ASTD PARTS & MATERIALS	\$490.96	
	8/17/2023		9768163991		ASTD PARTS & MATERIALS	\$439.31	
	8/17/2023		9768164007		ASTD PARTS & MATERIALS	\$114.83	
	8/17/2023		9769178915		ASTD PARTS & MATERIALS	\$102.03	

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185020	8/17/2023		12215216	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$452.87	\$1,088.69
	8/17/2023		12287739		ASTD PARTS & MATERIALS	\$98.49	
	8/17/2023	170	12439830		ASTD PARTS & MATERIALS	\$39.04	
	8/17/2023	170	12456454		ASTD PARTS & MATERIALS	\$255.57	
	8/17/2023	170	12514456		ASTD PARTS & MATERIALS	\$62.01	
	8/17/2023	170	12585579		ASTD PARTS & MATERIALS	\$180.71	
185037	8/17/2023		2152477001	SAN LEANDRO ELECTRIC SUPPLY	ASTD ELECTRICAL SUPPLIES	\$1,046.72	\$1,046.72
184996	8/17/2023	173	6004991830	CANON SOLUTIONS AMERICA INC	MTHLY MAINTENANCE BASED ON USE	\$597.35	\$1,015.10
	8/17/2023	173	6004992944		MTHLY MAINTENANCE BASED ON USE	\$417.75	
184977	8/10/2023		9940134574	VERIZON WIRELESS	WIRELESS SERV 06/21/23-07/20/23	\$1,005.65	\$1,005.65
185031	8/17/2023	170	105349	PRIME MECHANICAL SERVICE INC	MONTHLY MAINTENANCE - JUN 23	\$992.00	\$992.00
184968	8/10/2023		8044640100	RS HUGHES CO INC	50 SURVEYOR VESTS	\$937.30	\$937.30
184983	8/17/2023	120	9140369040	AIRGAS NCN	ASTD PARTS & MATERIALS	\$118.70	\$915.60
	8/17/2023		9140415163		2 CY ARGON	\$796.90	
184966	8/10/2023	121	241639	NAYLOR STEEL INC	ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$802.32	\$868.77
	8/10/2023	121	241669		ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$66.45	
184935	8/10/2023	113	710362	CALTEST ANALYTICAL LABORATORY	11 LAB SAMPLE ANALYSIS	\$827.10	\$827.10
184943	8/10/2023		9743	ENERGY CHOICE INC	ASTD COGEN PARTS	\$742.46	\$742.46
185029	8/17/2023	114	20230815	RIC PIPKIN	EXP REIMB: CAS CONF - SHUTTLE/AIRFARE/PER DIEM/PARKING	\$714.00	\$714.00

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185035	8/17/2023		8045903300	RS HUGHES CO INC	ASTD SAFETY SUPPLIES	\$699.31	\$699.31
185026	8/17/2023		58505	NIXON-EGLI EQUIP OF S CAL	5 ROOT SAW BLADES	\$694.65	\$694.65
184953	8/10/2023	170	536532	I/D/E/A, INC	ASTD PARTS & MATERIALS	\$692.54	\$692.54
184952	8/10/2023		605178237	HILLYARD/SAN FRANCISCO	ASTD JANITORIAL SUPPLIES	\$182.30	\$675.85
	8/10/2023		605181704		ASTD JANITORIAL SUPPLIES	\$493.55	
184942	8/10/2023	140	2143705168	EMPLOYMENT DEVELOPMENT DEPT	UI 2ND QT 2023 - MENDOZA	\$675.00	\$675.00
184939	8/10/2023	132	280032	CLAREMONT BEHAVIORAL SERVICES	AUG 2023 EAP PREMIUMS	\$662.40	\$662.40
184955	8/10/2023		43096	J CABRILLO PLUMBING	REFUND # 57280	\$150.00	\$650.00
	8/10/2023		43096.1		REFUND # 57279	\$500.00	
185015	8/17/2023	170	402967	KLEEN BLAST ABRASIVES	BLASTING MATERIALS	\$581.45	\$581.45
185003	8/17/2023	170	905819503	EVOQUA WATER TECHNOLOGIES	DI WATER SYSTEM	\$575.12	\$575.12
184961	8/10/2023	111	20230808	NOAH LUNDY	EXP REIMB: OCIS GRADE III EXAM	\$230.00	\$529.99
	8/10/2023	110	20230808.1		EXP REIMB: OCIS GRADE III REVIEW CLASS	\$299.99	
184923	8/10/2023	114	36546202640	ALS ENVIRONMENTAL	SULFUR COMPOUNDS IN A GASEOUS MATRIX	\$522.00	\$522.00
184991	8/17/2023	114	18191020	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$316.21	\$502.56
	8/17/2023	120	18199490		ASTD OFFICE SUPPLIES	\$186.35	
184937	8/10/2023		33675	SABRINA CHIU	DEPOSIT REFUND # 60512	\$500.00	\$500.00
184981	8/10/2023		30562	PREM YELIGATI	REFUND # 59405	\$500.00	\$500.00
184982	8/10/2023		32649	ZHAOWANG ZHEN	REFUND # 59368	\$500.00	\$500.00

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184986	8/17/2023		37913	JEFFREY ALLEN	REFUND # 60518	\$500.00	\$500.00
184993	8/17/2023		47249	BUILTECH CONST GROUP INC	REFUND # 60529	\$500.00	\$500.00
185012	8/17/2023		37885	SWAPNA KANDURI	REFUND # 60519	\$500.00	\$500.00
185014	8/17/2023		47243	AJAY KHANNA	REFUND # 60528	\$500.00	\$500.00
185021	8/17/2023		48319	MLS BUILDERS INC	REFUND # 60530	\$500.00	\$500.00
185022	8/17/2023		48333	SYED MOHIUDDIN	REFUND # 60531	\$500.00	\$500.00
185004	8/17/2023	113	4878193	FISHER SCIENTIFIC	LAB SUPPLIES	\$480.39	\$480.39
184962	8/10/2023		5677831	MALLORY SAFETY AND SUPPLY LLC	CALIBRATION GAS	\$452.03	\$452.03
185025	8/17/2023	121	241727	NAYLOR STEEL INC	ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$436.36	\$436.36
184990	8/17/2023	143	72364	BEECHER ENGINEERING	SWITCHBOARD NO 3 & MCC NO 25 REPLACEMENT	\$420.00	\$420.00
184924	8/10/2023	111	111CRVXVJHL9	AMAZON.COM LLC	ASTD OFFICE SUPPLIES	\$20.91	\$360.05
	8/10/2023	144	1NVMJVDHL3GH		ASTD OFFICE SUPPLIES	\$192.14	
	8/10/2023		1T961PK7HH79		ASTD OFFICE SUPPLIES	\$147.00	
185036	8/17/2023	136	543945	SAFECHECKS	500 PAYROLL MANUAL CHECK STOCK	\$340.58	\$340.58
185030	8/17/2023	171	288073	PRESTIGE LENS LAB	SAFETY GLASSES - CHAPARRO, P	\$280.19	\$280.19
184930	8/10/2023	130	1383292	BAY AREA NEWS GROUP EAST BAY	AD: PUBLIC NOTICE	\$276.12	\$276.12
184954	8/10/2023	173	6076015	INTRADO LIFE & SAFETY INC	E911 ANNUAL SUBSCRIPTION	\$250.00	\$250.00
184951	8/10/2023	132	20230808	MEGAN HICKS	EXP REIMB: 35 RAPID COVID TESTS	\$246.28	\$246.28

**UNION SANITARY DISTRICT
CHECK REGISTER
08/05/2023-08/18/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
184987	8/17/2023	113	141V33VWJGDK	AMAZON.COM LLC	ASTD OFFICE SUPPLIES	\$113.74	\$236.69
	8/17/2023	144	1XJMWPDF7Y3V		ASTD OFFICE SUPPLIES	\$122.95	
185047	8/17/2023	170	10757003	WESTERN TOOL & SUPPLY CO	ASTD PARTS & MATERIALS	\$224.08	\$224.08
184973	8/10/2023		2615541	TOTAL FILTRATION SERVICES INC	12 FILTERS	\$217.98	\$217.98
184922	8/10/2023		2387897	ALLIANT INSURANCE SERVICES INC	PHYSICAL DAMAGE: 4TH QTR ENDORSEMENT	\$205.00	\$205.00
185009	8/17/2023	170	768520230728	HOME DEPOT CREDIT SERVICES	MONTHLY HARDWARE STMT - JUL 2023	\$203.77	\$203.77
185007	8/17/2023	170	3T0298	HARRINGTON INDUSTRIAL PLASTICS	ASTD PARTS & MATERIALS	\$188.33	\$188.33
185017	8/17/2023	113	20230814	CONGNA LI	EXP REIMB: PE LICENSE RENEWAL	\$180.00	\$180.00
184985	8/17/2023	170	5293378	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$166.82	\$166.82
184965	8/10/2023		2401038134	MOTION INDUSTRIES INC	1 SWITCH	\$164.86	\$164.86
185039	8/17/2023	141	20230731	SPOK INC	AUG 2023 PAGER SERVICE	\$148.93	\$148.93
184995	8/17/2023	113	710509	CALTEST ANALYTICAL LABORATORY	3 LAB SAMPLE ANALYSIS	\$137.70	\$137.70
185011	8/17/2023	170	1926102010817	INTERSTATE ALL BATTERY CENTER	2 BATTERIES	\$129.58	\$129.58
184946	8/10/2023		20237892	G3 ENGINEERING INC	1 SEAL	\$113.17	\$113.17
184969	8/10/2023	170	85340220230724	SAN FRANCISCO WATER DEPT	SERVICE 06/21/23 - 07/21/23	\$107.90	\$107.90
184949	8/10/2023	110	20230808	TIMOTHY GRILLO	EXP REIMB: CWEA MEMBERSHIP RENEWAL	\$103.00	\$103.00
184975	8/10/2023	136	98XW53283	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 07/15/23	\$80.44	\$80.44
185041	8/17/2023	136	98XW53293	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 07/22/23	\$79.58	\$79.58
185045	8/17/2023		9940880611	VERIZON WIRELESS	WIRELESS SERV 07/02/23-08/01/23	\$59.46	\$59.46

**UNION SANITARY DISTRICT
CHECK REGISTER
08/05/2023-08/18/2023**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
185038	8/17/2023	170	2307305S	SGS NORTH AMERICA INC	3 ANALYSIS	\$58.00	\$58.00
184974	8/10/2023	150	440316	ULTRAEX LLC	COURIER SVCS: 1 BOARDMEMBER DELIVERY - 06/30/23	\$56.30	\$56.30
184959	8/10/2023	141	20230808	ELIZABETH LEDOAN	EXP REIMB: TEAM MTG SNACKS	\$48.59	\$48.59
185034	8/17/2023		20230815	JAMIE ROJO	REIMB: AUG COBRA BENEFITS	\$37.24	\$37.24
185023	8/17/2023	170	2401039001	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$14.18	\$14.18

Invoices:

Credit Memos :	1	-597.13
\$0 - \$1,000 :	117	43,199.75
\$1,000 - \$10,000 :	56	203,277.70
\$10,000 - \$100,000 :	9	252,199.95
Over \$100,000 :	4	4,602,675.28
Total:	187	5,100,755.55

Checks:

\$0 - \$1,000 :	61	24,461.70
\$1,000 - \$10,000 :	54	192,162.16
\$10,000 - \$100,000 :	11	281,456.41
Over \$100,000 :	4	4,602,675.28
Total:	130	5,100,755.55

Using slide #2, suggested changes to the FOG ad are:

1. Remove all white outline from text.
2. Prefer the Orange text from slide #1 for Wipe it, Scrape it, Compost it, and remove "it" from all three
3. Change "Got large" to "For larger" on bottom ribbon.
4. Remove "Call USD at" from bottom ribbon of slide, should read, "For more info: (510) 477-7500"
5. Remove "our" and "webpage at the QR code" from text on bottom ribbon.
6. Likes graded color on bottom ribbon.
7. Likes the compost bin in this slide.
8. Likes full color logo on bottom ribbon.

Also, make similar changes to slide #1.

AVOID PIPE CLOGS!

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

WIPE IT.



Wipe cooled pans with a paper towel

SCRAPE IT.



Scrape solidified grease into compostable container

COMPOST IT.



Place in your green waste/food scraps bin

For more info:
Call USD at (510) 477-7500



Got large amounts of used cooking oil or grease?
Check our StopFOG.com webpage at the QR code for disposal information.

DESK ITEM Item #11

8/28/23



AVOID PIPE CLOGS!

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



WIPE IT.

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SCRAPE IT.

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COMPOST IT.

Place in your green waste/food scraps bin

For more info:
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For larger
Got large amounts of used cooking oil or grease?
Check our ~~StopFOG.com~~ webpage at the QR code for disposal information.

