



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

**Monday, August 23, 2021
Regular Meeting - 4:00 P.M.**

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

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

CORONAVIRUS (COVID-19) ADVISORY NOTICE

Consistent with Executive Order No. N-08-21 from the Executive Department of the State of California, and Alameda County Health Officer Order No. 21-01a, the Monday, August 23, 2021, Regular Board Meeting will not be physically open to the public and all Board Members will be teleconferencing into the meeting. **To maximize public safety while still maintaining transparency and public access, members of the public can observe the meeting by following the steps listed below, and may provide public comment by sending comments to the Board Clerk by email at assistanttoqm@unionsanitary.ca.gov before or during the meeting or via voicemail by calling 510-477-7599 before 3:00 p.m. on the date of the meeting.** Comments will then be read into the record, with a maximum allowance of 3 minutes per individual comment, subject to the Board President's discretion. All comments should be a maximum of 500 words, which corresponds to approximately 3 minutes of speaking time. If a comment is received after the agenda item is heard but before the close of the meeting, the comment will still be included as a part of the record of the meeting but will not be read into the record.

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

To listen to this Regular Board Meeting:

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

Meeting ID: 817 7312 7173 #

Participant ID: #

Click the Zoom link below to watch and listen:
<https://us02web.zoom.us/j/81773127173>

	1.	Call to Order.
	2.	Salute to the Flag. (This item has been suspended due to the COVID-19 pandemic.)
	3.	Roll Call.
Motion	4.	Approve Minutes of the Union Sanitary District Board Meeting of August 9, 2021.
Information	5.	Operations Report: <ul style="list-style-type: none"> a) July 2021 Monthly Operations Report <i>(to be reviewed by the Budget & Finance and Legal/Community Affairs Committee).</i> b) Fourth Quarter Fiscal Year 2021 District-Wide Balanced Scorecard Report <i>(to be reviewed by the Legal/Community Affairs Committee).</i>
	6.	Written Communications.
	7.	Public Comment. Public Comment is limited to three minutes per individual, with a maximum of 30 minutes per subject. If the comment relates to an agenda item, the speaker should address the Board at the time the item is considered. Speaker cards will be available in the Boardroom and are requested to be completed prior to the start of the meeting.
Motion	8.	Consider a Resolution Determining the Enhanced Treatment and Site Upgrade Phase 1A-Campus Building Project (Project) Consistent With the Approved Initial Study/Mitigated Negative Declaration for the Enhanced Treatment and Site Upgrade Phase 1 Program and Approving the Project <i>(to be reviewed by the Engineering and Information Technology Committee).</i>
Information	9.	COVID-19 Update.
Information	10.	Check Register.
Information	11.	Committee Meeting Reports. <i>(No Board action is taken at Committee meetings):</i> <ul style="list-style-type: none"> a. Budget & Finance Committee – Wednesday, August 18, 2021, at 10:30 a.m. <ul style="list-style-type: none"> • Director Lathi and Director Toy b. Engineering and Information Technology Committee – Friday, August 20, 2021, at 10:00 a.m. <ul style="list-style-type: none"> • Director Kite and Director Fernandez c. Legal/Community Affairs Committee – Friday, August 20, 2021, at 11:00 a.m. <ul style="list-style-type: none"> • Director Lathi and Director Handley d. Legislative Committee – will not meet. e. Personnel Committee – will not meet.
Information	12.	General Manager’s Report. <i>(Information on recent issues of interest to the Board).</i>
	13.	Other Business: <ul style="list-style-type: none"> a. Comments and questions. <i>Directors can share information relating to District business and are welcome to request information from staff.</i> b. Scheduling matters for future consideration.
	14.	Adjournment – The Board will adjourn to the next Regular Board Meeting to be held virtually on Monday, September 13, 2021, 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.



BUDGET & FINANCE COMMITTEE MEETING
Committee Members: Director Lathi and Director Toy

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

AGENDA
Wednesday, August 18, 2021
10:30 A.M.

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

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

Karen W. Murphy
Attorney

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To maximize public safety while still maintaining public access, members of the public can observe the meeting by calling 510-477-6190 to listen to the committee meeting, and may provide public comment by sending comments to the Board Clerk by email at assistanttogm@unionsanitary.ca.gov or via voicemail by calling 510-477-7599 up to one hour before the scheduled meeting start time.

1. Call to Order

2. Roll Call

3. Public Comment

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

4. Items to be reviewed for the Regular Board meeting of August 23, 2021:

- July 2021 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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**ENGINEERING AND INFORMATION TECHNOLOGY
COMMITTEE MEETING**

Committee Members: Director Kite and Director Fernandez

AGENDA

**Friday, August 20, 2021
10:00 A.M.**

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

Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

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1. Call to Order
2. Roll Call
3. Public Comment
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4. Items to be reviewed for the Regular Board meeting of August 23, 2021:
 - Consider a Resolution Determining The Enhanced Treatment And Site Upgrade Phase 1A-Campus Building Project (Project) Consistent With The Approved Initial Study/Mitigated Negative Declaration For The Enhanced Treatment And Site Upgrade Phase 1 Program and Approving the Project
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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LEGAL/COMMUNITY AFFAIRS COMMITTEE MEETING

Committee Members: Director Lathi and Director Handley

Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

AGENDA

Friday, August 20, 2021

11:00 A.M.

Alvarado Conference Room

5072 Benson Road

Union City, CA 94587

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

Consistent with Executive Order No. N-08-21 from the Executive Department of the State of California, and Alameda County Health Officer Order No. 21-01a, this meeting will not be physically open to the public and all Board Members will be teleconferencing into the meeting via conference call.

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1. Call to Order

2. Roll Call

3. Public Comment

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4. Items to be reviewed for the Regular Board meeting of August 23, 2021:

- July 2021 Monthly Operations Report – Odor and Work Group Reports
 - Fourth Quarter Fiscal Year 2021 District-Wide Balanced Scorecard Report
-

5. Adjournment

Items reviewed at committee meetings will be included in the agenda packet for the upcoming Board meeting. No action will be taken at committee meetings.
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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 9, 2021**

Consistent with Executive Orders No. N-08-21 from the Executive Department of the State of California, and Alameda County Health Officer Order No. 21-01a, the Monday, August 9, 2021, Regular Board Meeting was not physically open to the public and all Board Members teleconferenced into the meeting. To maximize public safety while still maintaining transparency and public access, members of the public were able to observe the Board Meeting and provide public comment by sending comments to the Board Clerk.

CALL TO ORDER

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

SALUTE TO THE FLAG

ROLL CALL

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

STAFF: Paul Eldredge, General Manager/District Engineer
Karen Murphy, District Counsel
Mark Carlson, Business Services Manager/CFO
Sami Ghossain, Technical Services Manager
Armando Lopez, Treatment and Disposal Services Manager
James Schofield, Collection Services Manager
Robert Simonich, Fabrication, Maintenance, and Construction Manager
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager
Jose Rodrigues, Collection Services Coach
Shawn Nesgis, Collection Services Coach
Rollie Arbolante, Customer Service Coach
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

**APPROVE MINUTES OF THE UNION SANITARY DISTRICT BOARD MEETING OF
JULY 26, 2021**

It was moved by Vice President Lathi, seconded by Director Toy, to Approve the Minutes of the Board Meeting of July 26, 2021. Motion carried with the following vote:

AYES: Fernandez, Handley, Kite, Lathi, Toy

NOES: None
ABSTAIN: None
ABSENT: None

APPROVE MINUTES OF THE UNION SANITARY DISTRICT SPECIAL BOARD MEETING OF JULY 28, 2021

It was moved by Director Handley, seconded by Director Toy, to Approve the Minutes of the Special Board Meeting of July 28, 2021. Motion carried with the following vote:

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

WRITTEN COMMUNICATIONS

There were no written communications.

PUBLIC COMMENT

There was no public comment.

AUTHORIZE THE GENERAL MANAGER TO EXECUTE THE SECOND AMENDMENT TO THE TEMPORARY SEWER SIPHON AGREEMENT WITH LENNAR HOMES OF CALIFORNIA FOR THE GATEWAY STATION WEST, BRIDGEWAY DEVELOPMENT IN THE CITY OF NEWARK

This item was reviewed by the Legal/Community Affairs Committee. Customer Service Coach Arbolante stated the District, in order to accommodate Lennar's Bridgeway project, executed an agreement in July 2020 to allow Lennar to construct a temporary sewer siphon under the existing force mains until the Twin Force Main Relocation Project construction was completed. The temporary siphon has been in service since November 2020. While the agreement was set to expire in June 2021, construction of the Twin Force Main Relocation Project was delayed and a First Amendment to the Agreement extended the term to August 15, 2021. The proposed Second Amendment to the Agreement will extend the term to December 30, 2022, and will require Lennar to reimburse the District for additional administrative costs. Staff recommended the Board consider approval and authorize the General Manager to execute the Second Amendment to the Temporary Sewer Siphon Connection Agreement between the District and Lennar Homes of California for the Gateway Station West, Bridgeway Development in the City of Newark.

It was moved by Secretary Fernandez, seconded by Director Handley, to Authorize the General Manager to Execute the Second Amendment to the Temporary Sewer Siphon Connection Agreement Between the District and Lennar Homes of California for the Gateway Station West, Bridgeway Development in the City of Newark. Motion carried with the following vote:

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

ABSENT: None

CONSIDER A RESOLUTION TO ACCEPT THE CONSTRUCTION OF THE PRIMARY DIGESTER NO. 2 REHABILITATION PROJECT FROM KIEWIT INFRASTRUCTURE WEST COMPANY

This item was reviewed by the Engineering and Information Technology Committee. Technical Services Manager Ghossain stated staff issued the Notice to Proceed to Kiewit Infrastructure West Company on January 6, 2020, and the project was scheduled to be completed October 1, 2020. Project completion was delayed due to factors described in detail in the Board meeting packet, the substantial completion date was changed to June 7, 2021. Staff recommended the Board consider a resolution to accept construction of the Primary Digester No. 2 Rehabilitation Project from Kiewit Infrastructure West Company and authorize recordation of a Notice of Completion.

It was moved by Director Handley, seconded by Vice President Lathi, to Adopt Resolution No. 2933 to Accept Construction of the Primary Digester No. 2 Rehabilitation Project Located in the City of Union City, California from Kiewit Infrastructure West Company. Motion carried with the following vote:

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

INFORMATION ITEMS:

Value Engineering Review Update for the Enhanced Treatment and Site Upgrade (ETSU) Phase 1A Project

This item was reviewed by the Engineering and Information Technology Committee. Technical Services Manager Ghossain stated when the Board authorized execution of an agreement and Task Order No. 1 with Psomas for value engineering, constructability review, and construction management services for the ETSU Phase 1A Project the Board requested staff present the results of the Value Engineering (VE) Review. The purpose of the VE Review is to independently evaluate cost effectiveness of equipment and material layouts and types included in the design to determine what cost savings may be possible considering both construction and lifecycle costs. A comprehensive summary of VE concepts considered during review of the Phase 1A Aeration Basin Modifications and Campus Building projects was included in the Board meeting packet. The total cost of the VE review by the Psomas team was approximately \$80,000 and estimated construction cost savings are projected to be approximately \$1.95 million.

COVID-19 Update

General Manager Eldredge provided an update regarding COVID-19 impacts on District operations and coordination efforts.

Check Register

Staff responded to Boardmember questions regarding the check register.

COMMITTEE MEETING REPORTS:

The Legal/Community Affairs and Engineering and Information Technology Committees met.

GENERAL MANAGER'S REPORT:

- General Manager Eldredge and Business Services Manager/CFO Carlson presented information regarding the District's Fiscal Model during a Sustainable Financial Management Planning for Water Utilities virtual event hosted by the United States Environmental Protection Agency.
- The District's Bond sale was accomplished last week, and staff were pleased with the 2.02% interest rate.
- Oro Loma Sanitary District will be celebrating its 110th anniversary in August 2021, USD staff will post a congratulatory message on social media.

OTHER BUSINESS:

There was no other business.

ADJOURNMENT:

The meeting was adjourned at 4:34 p.m. to the next Board Meeting to be held virtually on Monday, August 23, 2021, at 4:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

MANNY FERNANDEZ
SECRETARY

APPROVED:

PAT KITE
PRESIDENT

Adopted this 23rd day of August 2021



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

**AUGUST 23, 2021
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 5.A**

TITLE: Monthly Operations Report for July 2021 *(This is an Information Item)*

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

Recommendation

Information only.

Previous Board Action

None

Background

Attached are Monthly Operations Reports for July 2021. Staff is available to answer questions regarding information contained in the report.

Work Group Managers

General Manager/Administration	Paul Eldredge	GM
Business Services/CFO	Mark Carlson	BS
Collection Services	James Schofield	CS
Technical Support	Sami Ghossain	TS
Treatment and Disposal Services	Armando Lopez	T&D
Fabrication, Maintenance, and Construction	Robert Simonich	FMC

ODOR COMPLAINTS:

During the month of July 2021, there were two odor complaints received by the District. Details of the odor complaints can be found in the July 2021 Odor Report in the Board meeting packet.

STAFFING & PERSONNEL:**Completed Recruitments Resulting in Promotions:**

- Buyer I/II – replacement for Bill Newman – relocation, 5/21/21. Theresa Vasquez – internal lateral move – effective 7/17/21.

Recruitments Opened

- Collection Services Workgroup Manager – replacement for James Schofield – retirement effective 10/22/21.

Continuing Recruitments

- Plant Operation III Trainee – Limited Duration. (Offer made and pending pre-employment background process)

G.M. ACTIVITIES: For the month of July, the General Manager was involved in the following:

- Attended the East Bay Dischargers Authority (EBDA) JPA Commission Meeting
- Attended the EBDA Manager's Advisory Committee Meeting
- Coordinated District response to COVID-19 Pandemic
- Presented to S&P and Fitch to obtain updated credit ratings for the District
- Conducted the Newsletter Board Workshop

Attachments: Odor Report and Map
Hours Worked and Leave Time by Work Group
Business Services
Technical Services
Collection Services
Fabrication, Maintenance, and Construction
Treatment and Disposal Services



Legend

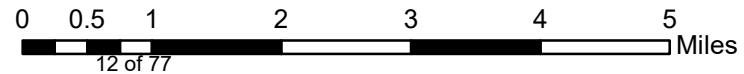
Odor Complaints: July 2021

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

Odor Complaints: Aug. 2020 to Jun. 2021

- ★ Odor found, USD resolved (1)
- Odor found, not related to USD (2)
- ▲ No odor found (15)

**Location of Odor Reports
August 2020 to July 2021**





ODOR REPORT July 2021

During the recording period from July 01, 2021 through July 31, 2021, there were two odor related service requests received by the District.

City: Union City

1. Complaint Details:

Date: 7/13/21

Location: MACKINAW ST

Wind (from): North West

Temperature: 61 F

Time: 10:30 am

Reported By: Sam Dua

Wind Speed: 4.1 mph

Weather: Overcast

Response and Follow-up:

Customer reported an odor at their residence. They did not describe the odor. USD staff was dispatched to the location and no odor was found at residence. A slight ammonia odor was detected at USD and an on-site investigation was conducted. The Piiian System was found to be off when it should have been called for. It is running in hand-on until the issue can be rectified. A work order was submitted and the FMC planner was contacted. All odor scrubbers were inspected and found to be okay.

2. Complaint Details:

Date: 7/14/21

Location: MACKINAW ST

Wind (from): South East

Temperature: 64 F

Time: 10:08 am

Reported By: Sam Dua

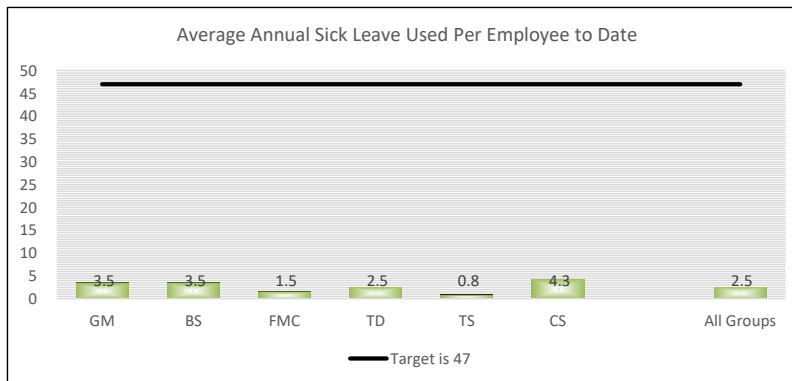
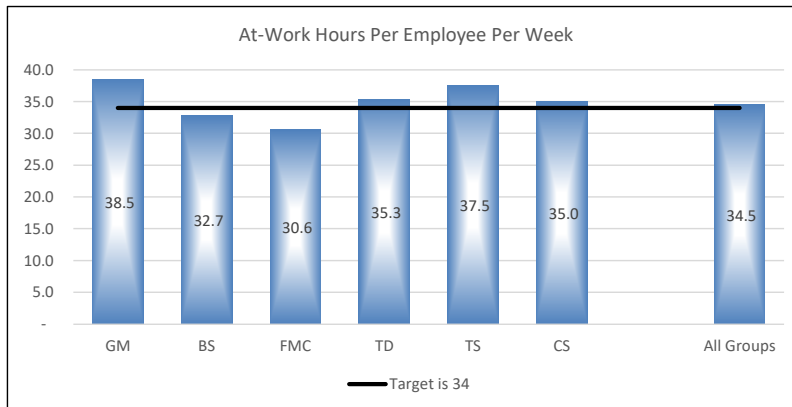
Wind Speed: .6

Weather: Clear/Sunny

Response and Follow-up:

Customer reported an odor at their residence. Armando called back and left a voicemail. Did not get a description of odor. USD was dispatched to location. Odor was not detected at location. An on-site investigation was conducted and no odor was detected at the plant. The odor control system was found to be working properly.

HOURS WORKED AND LEAVE TIME BY WORK GROUP
June 24, 2021 through July 21, 2021
Weeks to Date: 4 out of 52 (7.7%)



NOTES

- (1) Regular hours does not include hours worked by part-time or temporary employees.
- (2) Overtime hours includes call outs.
- (3) Discretionary Leave includes Vacation, HEC, Holiday, MAL, Funeral, Jury Duty, Military, OT Banked Use, Paid Admin., AWHIP, VRIP, Holiday Banked Use leaves.
- (4) Sick Leave includes sick and catastrophic sick leaves as well as protected time off, of which the District has no discretion.
- (5) Families First Coronavirus Response Act (FFCRA) - Emergency Paid Sick Leave (EPSL) and Paid Expanded Family Medical Leave Act (Paid EFMLA)

An employee using 15 vacation, 11 holiday, 2 HEC, and 5 sick days will work an average of 34.9 hours per week over the course of a year; with 20 vacation days, 34.2 hours per week.

HOURS WORKED AND LEAVE TIME BY WORK GROUP

June 24, 2021 through July 21, 2021

Weeks to Date: 4 out of 52 (7.7%)

Group	Average Number of Employees	AT-WORK HOURS		At-Work Hours Per Employee Per Week	LEAVE HOURS						Average Annual Sick Leave Used Per Employee To Date	FY20		
		Regular (1)	Overtime (2)		Discretionary (3)	Short Term Disability	Workers Comp	Sick (4)	FFCRA Paid Leave (5)	CA SB95 Paid Leave (6)		Average Number of Employees	At-Work Hours Per Week Per Employee	Annual Sick Leave Used
GM	2	297.00	-	38.5	16.00	-	-	7.00	-	-	3.5	2	34.9	35.9
BS	18	2,205.00	68.75	32.7	365.25	-	86.50	62.25	-	1.00	3.5	17	36.6	36.8
FMC	27	3,182.25	2.50	30.6	3,972.75	43.00	-	40.00	-	-	1.5	28	34.2	33.0
TD	31	4,177.25	47.83	35.3	706.00	6.20	-	78.55	-	24.00	2.5	27	35.4	48.8
TS	31	4,480.25	2.50	37.5	613.75	-	-	26.00	-	-	0.8	33	35.0	48.5
CS	31	3,901.65	280.02	35.0	902.00	15.55	-	131.80	-	9.00	4.3	31	33.9	91.2
All Groups	140	18,243.40	401.60	34.5	6,575.75	64.75	86.50	345.60	-	34.00	2.5	138	35.1	50.5

SICK LEAVE INCENTIVE PROGRAM TARGETS

≥34

≤47

The Sick Leave Incentive Program target goals are 47 or less hours of sick leave per employee annually, and 34 or more hours of at-work time per week per employee.

NOTES

(1) Regular hours does not include hours worked by part-time or temporary employees.

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(4) Sick Leave includes sick and catastrophic sick leaves, as well as protected time off, of which the District has no discretion.

(5) Families First Coronavirus Response Act (FFCRA) - Emergency Paid Sick Leave (EPSL) and Paid Expanded Family Medical Leave Act (Paid EFMLA)

(6) California Senate Bill No. 95 - Supplemental Paid Sick Leave (SPSL)

An employee using 15 vacation, 11 holiday, 2 HEC, and 5 sick days will work an average of 34.9 hours per week over the course of a year;

with 20 vacation days, 34.2 hours per week.

BUDGET AND FINANCE REPORT

FY 2022

Year-to-date as of 7/31/21

8.33% of year elapsed

Revenues

	Budget	Actual	% of Budget Rec'd	Unaudited Last Year Actuals 6/30/21
Capacity Fees	\$ 4,949,820	\$ 41,999	1%	\$ 9,358,209
Sewer Service Charges	74,716,000	378	0%	59,094,030
Operating (Includes work groups and fund 85)	1,260,900	44,160	4%	1,184,594
Interest	1,085,000	73,058	7%	1,435,090
Misc. (Annex fees, forfeited deposits)	50,000	29	0%	17,720
Subtotal Revenues	<u>\$ 82,061,720</u>	<u>\$ 159,624</u>	<u>0%</u>	<u>\$ 71,089,643</u>
Bond Proceeds	110,000,000	-	0.0%	-
Total Revenues + Bond Proceeds	\$ 192,061,720	\$ 159,624	0%	\$ 71,089,643

Expenses

	Budget	Actual	% of Budget Used	Last Year Actuals
Capital Improvement Program:				
Capacity Proj.	\$ 14,949,000	\$ 6,971	0%	\$ 20,219,226
Renewal & Repl. Proj.	28,240,200	250	0%	10,853,853
Operating (includes fund 85)	46,905,403	4,115,063	9%	41,179,295
Special Projects	3,960,104	-	0%	628,782
Retiree Medical (ADC)	1,421,401	-	0%	1,201,194
115 Pension Trust	3,000,000	-	0%	-
Vehicle & Equipment	125,000	-	0%	144,181
Information Systems	940,000	32,371	3%	765,728
Plant & Pump Stat. R&R	400,000	60,153	15%	162,400
Emerg. Fund	-	-	0%	-
Cty Fee for SSC Admin.	115,000	-	0%	111,142
Debt Servicing:				
SRF Loans	-	-	-	-
Bonds	12,019,092	-	0%	4,684,772
WIFIA Fees	-	-	0%	100,000
Total Expenses	<u>\$ 112,075,200</u>	<u>\$ 4,214,808</u>	<u>4%</u>	<u>\$ 80,050,573</u>
Total Revenue & Proceeds less Expenses	\$ 79,986,520	\$ (4,055,185)		(8,960,930)

Operating (Work Group) Expenses

	Budget	Actual	% of Budget Used	Unaudited Last Year Actuals
Board of Directors	\$ 187,043	\$ 11,931	6%	\$ 134,716
General Manager/Admin.	1,194,988	65,684	5%	956,457
Business Services	4,339,093	287,846	7%	3,723,670
Collection Services	7,710,953	553,353	7%	7,301,802
Technical Services	7,208,954	548,155	8%	6,584,979
Treatment & Disposal Services	15,921,122	1,719,388	11%	13,302,716
Fabrication, Maint. & Construction	9,332,350	564,242	6%	8,562,667
Non-Departmental	1,010,900	364,464	36%	612,289
Total	<u>\$ 46,905,403</u>	<u>\$ 4,115,063</u>	<u>9%</u>	<u>\$ 41,179,295</u>

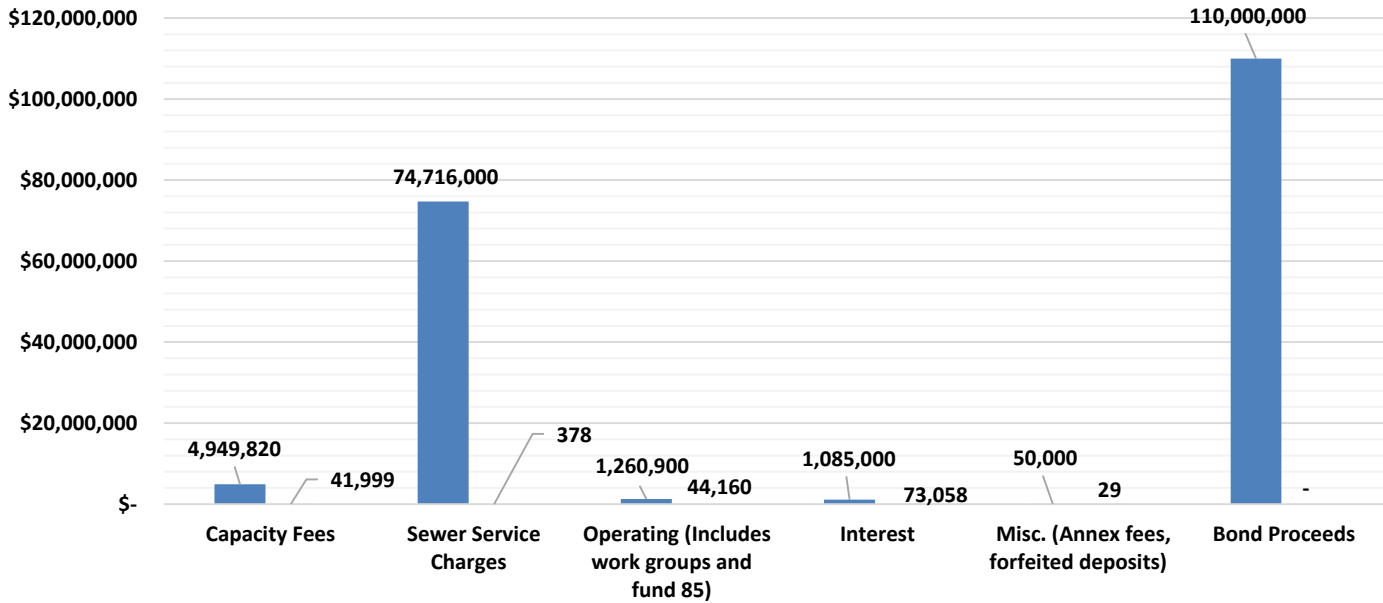
Operating (Work Group) Expenses by Type

	Budget	Actual	% of Budget Used	Last Year Actuals
Personnel (incl D&E)	\$ 32,219,329	\$ 2,436,712	8%	\$ 29,243,463
Repairs & Maintenance	2,258,500	71,445	3%	2,044,050
Supplies & Matls (chemicals, small tools)	3,593,992	64,063	2%	2,725,130
Outside Services (utilities, biosolids, legal)	8,503,082	1,531,906	18%	6,877,123
Fixed Assets	330,500	10,937	3%	289,529
Total	<u>\$ 46,905,403</u>	<u>\$ 4,115,063</u>	<u>9%</u>	<u>\$ 41,179,295</u>

REVENUES AND EXPENSES REPORT
as of 7/31/21

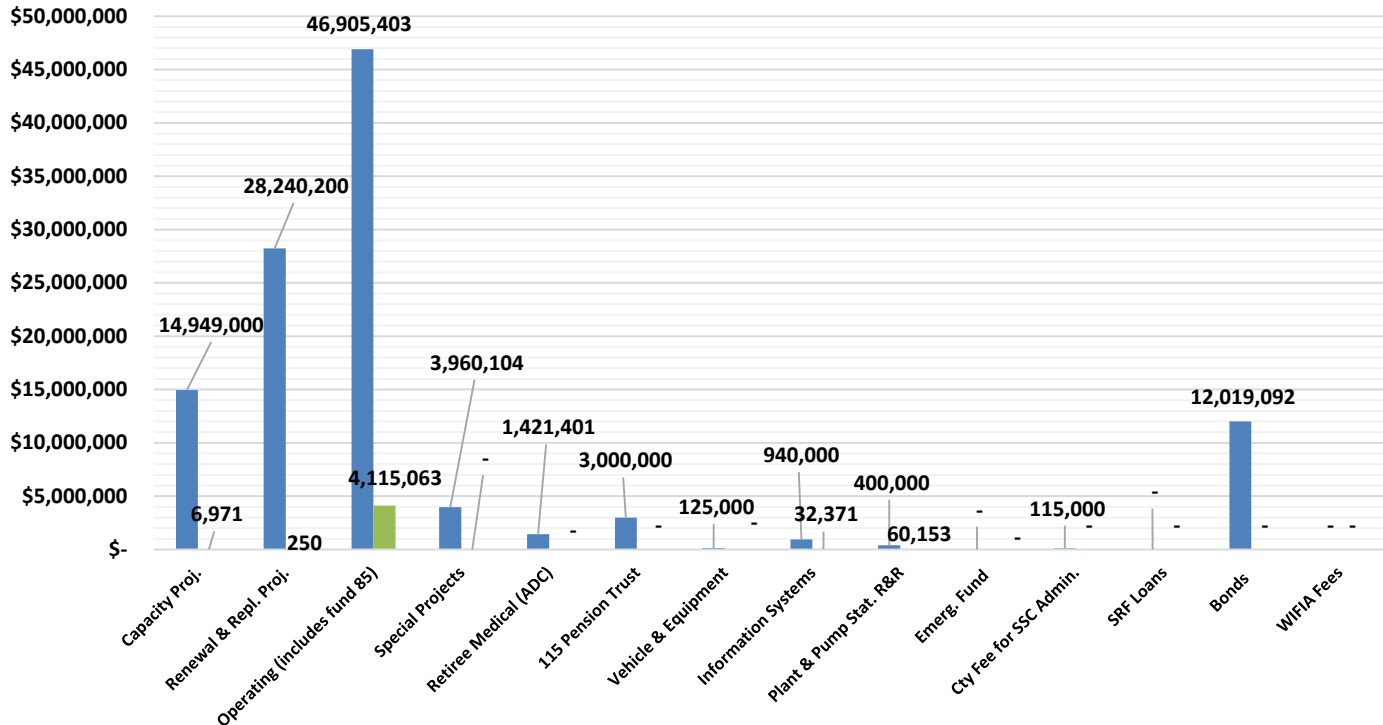
Total Revenues

■ Budget ■ Actual



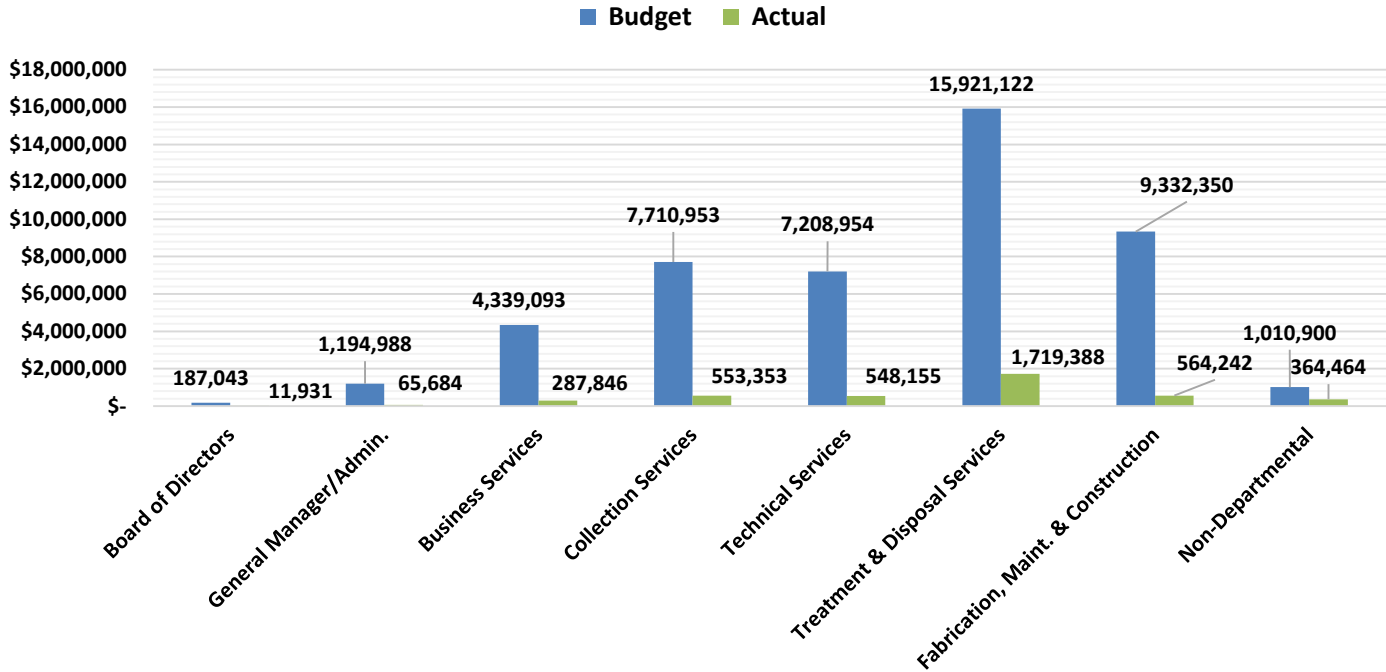
Total Expenses

■ Budget ■ Actual

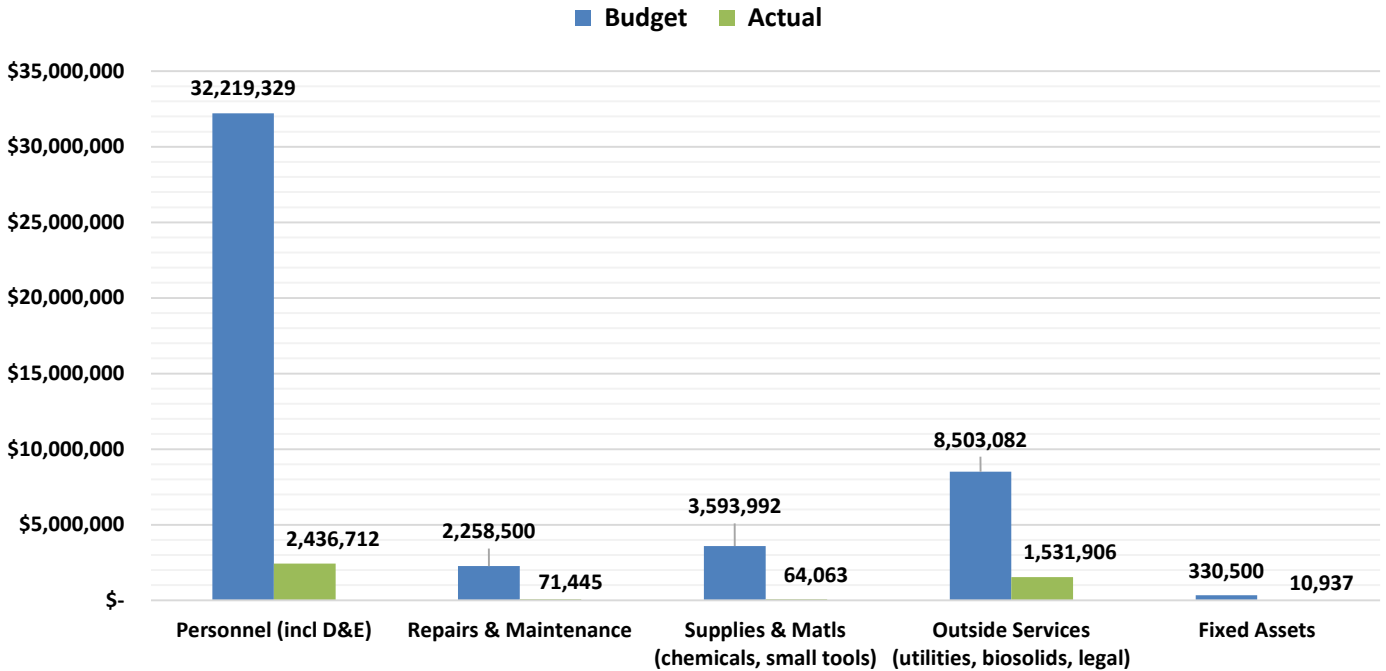


REVENUES AND EXPENSES REPORT
as of 7/31/21

Operating Expenses by Work Group

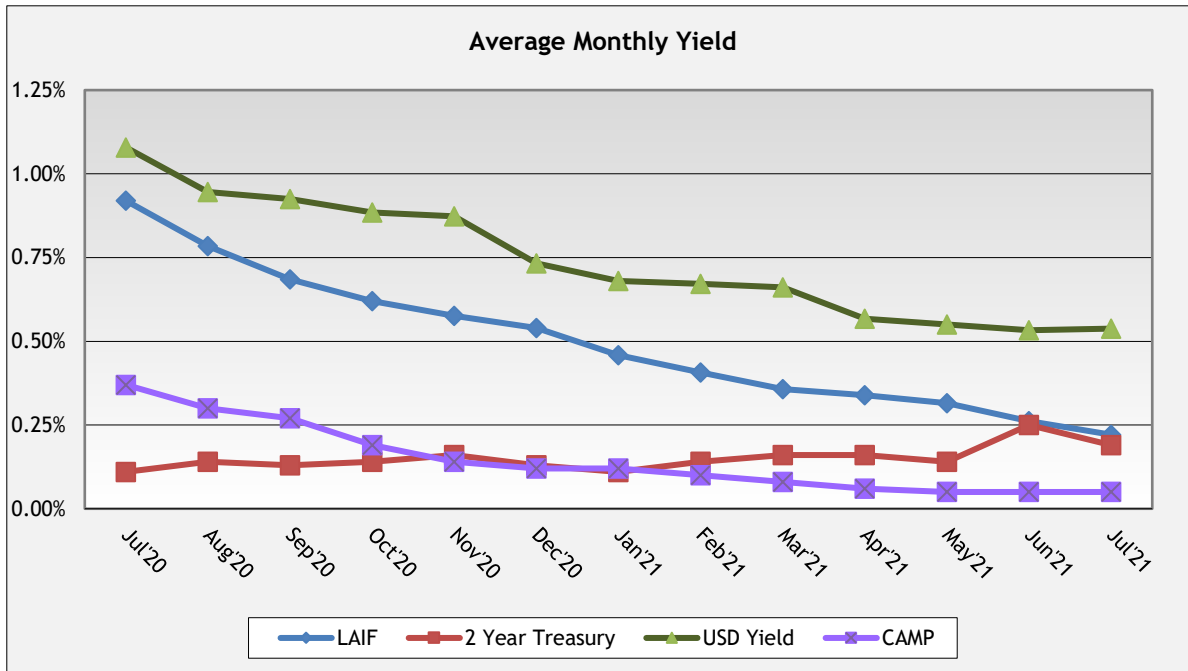


Operating Expenses by Type



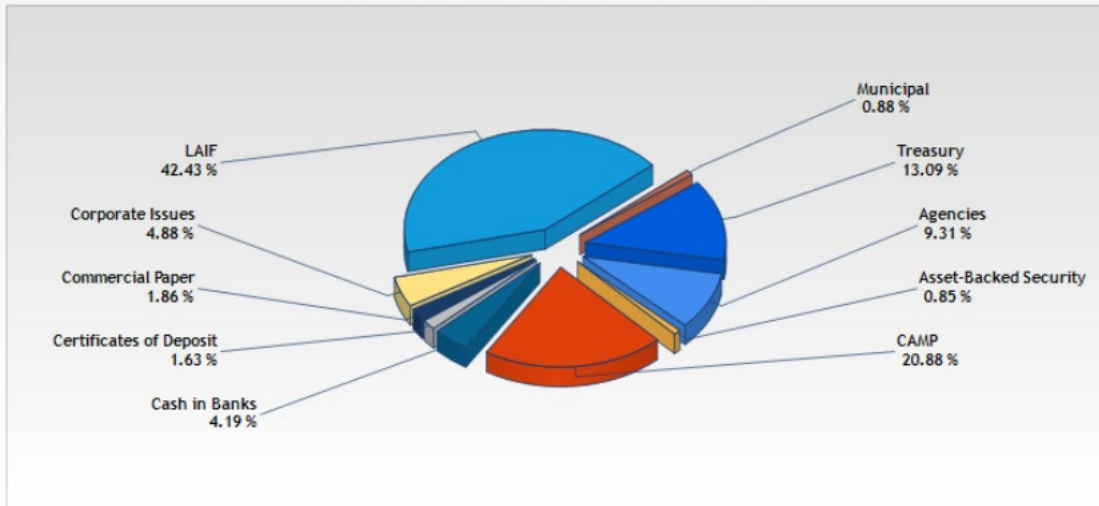
**Business Services Group
July 2021**

Performance Measures for the USD Investment Portfolio

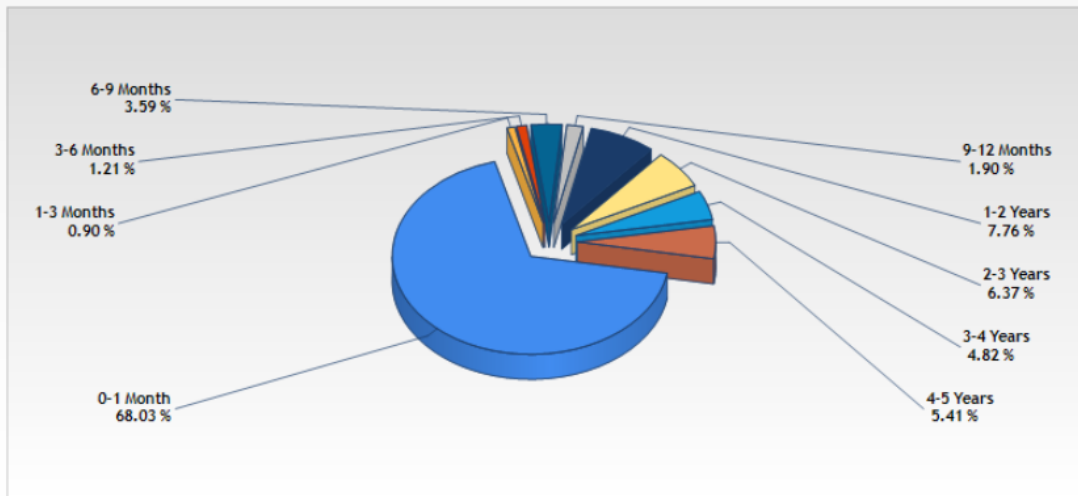


	Mar'21	Apr'21	May'21	Jun'21	Jul'21
LAIF	0.36%	0.34%	0.32%	0.26%	0.22%
2 Year Treasury	0.16%	0.16%	0.14%	0.25%	0.19%
USD Yield	0.66%	0.57%	0.55%	0.53%	0.54%
CAMP	0.08%	0.06%	0.05%	0.05%	0.05%

Portfolio Holdings Distribution by Asset Class



Portfolio Holdings Distribution by Maturity Range



Maturity Range	Face Amount/Shares	YTM @ Cost	Cost Value	Days To Maturity	% of Portfolio	Market Value	Book Value	Duration To Maturity
0-1 Month	115,848,910.38	0.171	115,846,622.88	1	68.03	115,849,298.38	115,849,077.17	0.00
1-3 Months	1,535,000.00	1.352	1,534,719.13	78	0.90	1,539,269.29	1,534,871.01	0.21
3-6 Months	2,044,000.00	0.678	2,055,121.49	127	1.21	2,051,543.01	2,046,318.63	0.35
6-9 Months	6,079,000.00	1.412	6,118,753.55	223	3.59	6,135,504.36	6,087,384.29	0.61
9-12 Months	3,250,000.00	2.135	3,242,644.55	329	1.90	3,303,820.58	3,247,898.06	0.90
1-2 Years	13,290,000.00	1.731	13,213,617.57	621	7.76	13,588,906.61	13,264,603.49	1.66
2-3 Years	10,924,000.00	1.661	10,849,546.07	892	6.37	11,250,685.31	10,893,206.57	2.40
3-4 Years	8,135,000.00	0.761	8,206,472.02	1,345	4.82	8,249,514.17	8,196,976.18	3.62
4-5 Years	9,213,000.00	0.621	9,218,967.46	1,596	5.41	9,223,815.92	9,216,730.34	4.31
TOTAL / AVERAGE	170,318,910.38	0.538	170,286,464.72	273	100	171,192,357.63	170,337,065.74	0.74

Union Sanitary District
Portfolio Holdings
Board Report - Holdings
Report Format: By Transaction
Group By: Asset Class
Average By: Cost Value
Portfolio / Report Group: All Portfolios
As of 7/31/2021

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
Agencies											
FFCB 0.25 9/21/2023-22	3133EMAM4	S&P-AA+	10/9/2020	1,625,000.00	1,622,237.50	0.250	1,625,633.75	0.308	9/21/2022	9/21/2023	0.95
FHLB 0.5 4/14/2025	3130AJHU6	None	4/16/2020	560,000.00	557,222.40	0.500	560,224.00	0.601		4/14/2025	0.33
FHLB 1.375 2/17/2023	3130AJ7E3	None	2/21/2020	775,000.00	773,574.00	1.375	790,182.25	1.438		2/17/2023	0.45
FHLB 2 10/26/2021-19	3130AB3D6	None	4/26/2017	1,000,000.00	1,000,000.00	2.000	1,004,420.00	2.000		10/26/2021	0.59
FHLMC 0.25 12/4/2023	3137EAFA2	S&P-AA+	12/4/2020	190,000.00	189,811.90	0.250	190,171.00	0.283		12/4/2023	0.11
FHLMC 0.25 6/26/2023	3137EAES4	None	6/26/2020	780,000.00	777,722.40	0.250	781,037.40	0.348		6/26/2023	0.46
FHLMC 0.25 8/24/2023	3137EAEV7	None	8/21/2020	520,000.00	519,469.60	0.250	520,483.60	0.284		8/24/2023	0.31
FHLMC 0.375 5/5/2023	3137EAER6	S&P-AA	5/29/2020	220,000.00	220,305.80	0.375	220,778.80	0.327		5/5/2023	0.13
FHLMC 0.375 7/21/2025	3137EAEU9	None	7/23/2020	525,000.00	522,385.50	0.375	521,183.25	0.476		7/21/2025	0.31
FHLMC 0.375 9/23/2025	3137EAEX3	None	9/25/2020	795,000.00	792,607.05	0.375	787,996.05	0.436		9/23/2025	0.47
FHLMC 1.5 2/12/2025	3137EAEP0	None	2/14/2020	1,035,000.00	1,034,203.05	1.500	1,072,146.15	1.516		2/12/2025	0.61
FNMA 0.25 5/22/2023	3135G04Q3	None	5/22/2020	865,000.00	862,396.35	0.250	866,885.70	0.351		5/22/2023	0.51
FNMA 0.25 7/10/2023	3135G05G4	None	7/10/2020	795,000.00	793,290.75	0.250	795,906.30	0.322		7/10/2023	0.47
FNMA 0.31 1/26/2024-22	3136G46V0	S&P-AA+	10/26/2020	259,000.00	258,896.40	0.310	259,530.95	0.322	10/26/2022	1/26/2024	0.15
FNMA 0.375 8/25/2025	3135G05X7	None	8/27/2020	555,000.00	552,402.60	0.375	550,077.15	0.470		8/25/2025	0.32
FNMA 0.375 8/25/2025	3135G05X7	None	10/22/2020	415,000.00	412,754.85	0.375	411,318.95	0.488		8/25/2025	0.24
FNMA 0.5 11/7/2025	3135G06G3	None	11/12/2020	520,000.00	518,138.40	0.500	517,514.40	0.573		11/7/2025	0.30
FNMA 0.5 6/17/2025	3135G04Z3	None	6/19/2020	865,000.00	863,209.45	0.500	863,616.00	0.542		6/17/2025	0.51
FNMA 0.5 6/17/2025	3135G04Z3	None	10/28/2020	1,010,000.00	1,011,494.80	0.500	1,008,384.00	0.468		6/17/2025	0.59
FNMA 0.5 8/14/2025-23	3135G05S8	S&P-AA+	8/24/2020	1,000,000.00	998,400.00	0.500	1,000,040.00	0.533	8/14/2023	8/14/2025	0.59
FNMA 0.625 4/22/2025	3135G03U5	None	4/24/2020	455,000.00	454,062.70	0.625	457,024.75	0.667		4/22/2025	0.27
FNMA 0.625 4/22/2025	3135G03U5	None	4/28/2020	125,000.00	124,763.75	0.625	125,556.25	0.664		4/22/2025	0.07
FNMA 1.875 4/5/2022	3135G0T45	S&P-AA+	3/16/2020	970,000.00	993,619.50	1.875	981,863.10	0.678		4/5/2022	0.58
Sub Total / Average Agencies				15,859,000.00	15,852,968.75	0.695	15,911,973.80	0.668			9.31
Asset-Backed Security											
Carmax Auto Owner Trust 0.34 12/15/2025-25	14316NAC3	S&P-AAA	1/27/2021	90,000.00	89,982.22	0.340	89,957.92	0.344	2/15/2025	12/15/2025	0.05
Carmax Auto Owner Trust 0.52 2/17/2026-25	14314QAC8	S&P-AAA	4/21/2021	180,000.00	179,961.21	0.520	180,250.88	0.525	3/15/2025	2/17/2026	0.11

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
Carmax Auto Owner Trust 1.89 12/16/2024	14315XAC2	S&P-AAA	1/22/2020	185,000.00	184,963.70	1.890	187,997.00	1.895		12/16/2024	0.11
Honda Auto Receivables 2020-1 1.61 4/22/2024-23	43813RAC1	None	2/26/2020	305,000.00	304,940.22	1.610	309,044.03	1.615	5/21/2023	4/22/2024	0.18
Honda Auto Receivables 2021-1 A3 0.27 4/21/2025-24	43813GAC5	None	2/24/2021	150,000.00	149,997.26	0.270	150,020.82	0.270	5/21/2024	4/21/2025	0.09
Hyundai Auto Receivables Trust 2021-A A3 0.38 9/15	44933LAC7	S&P-AAA	4/28/2021	120,000.00	119,987.38	0.380	120,071.87	0.382	5/15/2025	9/15/2025	0.07
Toyota Auto Receivables 2020-A A3 1.66 5/15/2024-2	89232HAC9	None	2/12/2020	415,000.00	414,970.04	1.660	419,847.78	1.662	10/15/2023	5/15/2024	0.24
Sub Total / Average Asset-Backed Security				1,445,000.00	1,444,802.03	1.204	1,457,190.30	1.207			0.85
CAMP											
CAMP LGIP	LGIP4000	None	5/31/2011	35,559,899.53	35,559,899.53	0.050	35,559,899.53	0.050	N/A	N/A	20.88
Sub Total / Average CAMP				35,559,899.53	35,559,899.53	0.050	35,559,899.53	0.050			20.88
Cash in Banks											
Union Bank Cash	LGIPUNIONBANK	None	12/31/2016	7,136,144.60	7,136,144.60	0.000	7,136,144.60	0.000	N/A	N/A	4.19
Sub Total / Average Cash in Banks				7,136,144.60	7,136,144.60	0.000	7,136,144.60	0.000			4.19
Certificates of Deposit											
American Expr Centurion 2.45 4/5/2022	02587DN38	None	4/5/2017	247,000.00	247,000.00	2.450	250,873.58	2.450		4/5/2022	0.15
Belmont Savings Bank 2.15 3/22/2022	080515BV0	None	3/20/2017	248,000.00	248,000.00	2.150	251,188.36	2.150		3/22/2022	0.15
BMW Bank 2.15 3/10/2022	05580AGR9	None	3/10/2017	247,000.00	247,000.00	2.150	250,026.34	2.150		3/10/2022	0.15
Credit Suisse 0.59 3/17/2023	22552G3C2	None	3/23/2021	435,000.00	435,000.00	0.590	437,413.68	0.590		3/17/2023	0.26
Discover Bank 2.25 12/29/2021	254672Y36	None	12/29/2016	247,000.00	247,000.00	2.250	249,209.44	2.250		12/29/2021	0.15
DNB Nor Bank ASA 2.04 12/2/2022	23341VZT1	NR	12/6/2019	430,000.00	430,000.00	2.040	440,481.08	2.040		12/2/2022	0.25
State Bank of India 2.25 1/26/2022	8562846A7	None	1/26/2017	247,000.00	247,000.00	2.250	249,603.97	2.250		1/26/2022	0.15
Sumitomo Mitsui Bank NY 0.7 7/8/2022	86565CKU2	None	7/14/2020	435,000.00	435,000.00	0.700	436,986.08	0.700		7/8/2022	0.26
Synchrony Bank 2.3 2/24/2022	87165ELT2	None	2/28/2017	247,000.00	247,000.00	2.300	250,065.89	2.300		2/24/2022	0.15
Sub Total / Average Certificates of Deposit				2,783,000.00	2,783,000.00	1.720	2,815,848.42	1.720			1.63
Commercial Paper											
Collateralized Coml Paper 0 2/15/2022	19424JBF2	S&P-A1	7/9/2021	1,635,000.00	1,633,594.81	0.000	1,633,758.54	0.143		2/15/2022	0.96
LMA AMERICAS 0 10/1/2021	53944QX13	S&P-A1	5/19/2021	535,000.00	534,719.13	0.000	534,849.29	0.140		10/1/2021	0.31

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
MUFG Bank LTD/NY 0 11/19/2021	62479LYK5	S&P-A1	2/22/2021	1,000,000.00	998,725.00	0.000	999,666.10	0.170		11/19/2021	0.59
Sub Total / Average Commercial Paper				3,170,000.00	3,167,038.94	0.000	3,168,273.93	0.151			1.86

Corporate Issues

Amazon.com Inc. 2.4 2/22/2023	023135AW6	Fitch-A+	4/15/2019	675,000.00	668,499.75	2.400	696,397.50	2.664		2/22/2023	0.39
American Express Credit 2.7 3/3/2022	0258M0EG0	Moody's-A2	5/15/2017	1,000,000.00	1,013,279.67	2.700	1,012,700.00	2.406		3/3/2022	0.60
American Honda Finance 1.95 5/10/2023	02665WDH1	None	1/10/2020	415,000.00	414,846.45	1.950	426,885.60	1.962		5/10/2023	0.24
Apple Inc 0.75 5/11/2023	037833DV9	S&P-AA+	5/11/2020	325,000.00	324,116.00	0.750	327,817.75	0.842		5/11/2023	0.19
Bank of America Corp 4.1 7/24/2023	06053FAA7	Fitch-A	3/22/2019	500,000.00	520,405.00	4.100	536,275.00	3.087		7/24/2023	0.31
BB&T Corporation 3.05 6/20/2022-22	05531FBG7	Fitch-A+	3/22/2019	525,000.00	525,714.00	3.050	536,802.00	3.006	5/20/2022	6/20/2022	0.31
Bristol-Myers Squibb Co 0.75 11/13/2025-25	110122DN5	S&P-A+	6/21/2021	201,000.00	198,998.04	0.750	200,843.22	0.982	10/13/2025	11/13/2025	0.12
Citigroup Inc 0.981 5/1/2025-24	172967MX6	None	5/4/2021	145,000.00	145,384.25	0.981	145,780.10	0.913	5/1/2024	5/1/2025	0.09
Citigroup Inc 0.981 5/1/2025-24	172967MX6	None	5/4/2021	135,000.00	135,000.00	0.981	135,726.30	0.981	5/1/2024	5/1/2025	0.08
Exxon Mobil Corporation 2.726 3/1/2023	30231GAR3	Moody's-Aaa	6/14/2019	985,000.00	1,001,400.25	2.726	1,019,120.40	2.256		3/1/2023	0.59
Goldman Sachs Group Inc 3.75 5/22/2025-25	38148LAE6	S&P-BBB+	2/17/2021	380,000.00	424,528.40	3.750	416,202.60	0.940	2/22/2025	5/22/2025	0.25
JP Morgan Chase & Co 0.653 9/16/2024-23	46647PBS4	None	9/16/2020	110,000.00	110,000.00	0.653	110,333.30	0.653	9/16/2023	9/16/2024	0.06
JP Morgan Chase & Co 2.7 5/18/2023-23	46625HRL6	Fitch-A+	3/22/2019	525,000.00	517,970.25	2.700	544,729.50	3.045	3/18/2023	5/18/2023	0.30
Morgan Stanley 0.731 4/5/2024-23	61772BAA1	None	4/22/2021	70,000.00	70,000.00	0.731	70,238.00	0.731	4/5/2023	4/5/2024	0.04
Morgan Stanley 0.731 4/5/2024-23	61772BAA1	None	4/22/2021	205,000.00	205,258.30	0.731	205,697.00	0.688	4/5/2023	4/5/2024	0.12
Paccar Financial Corp 2.65 5/10/2022	69371RP83	None	5/10/2019	580,000.00	579,686.80	2.650	590,973.60	2.669		5/10/2022	0.34
Toyota Motor Credit Corp 1.8 2/13/2025	89236TGT6	S&P-AA-	5/26/2020	180,000.00	181,758.60	1.800	186,341.40	1.584		2/13/2025	0.11
Toyota Motor Credit Corp 1.8 2/13/2025	89236TGT6	S&P-AA-	5/26/2020	250,000.00	252,442.50	1.800	258,807.50	1.584		2/13/2025	0.15
Wal-Mart Stores Inc 2.55 4/11/2023-23	931142DH3	S&P-AA	5/26/2020	965,000.00	1,015,701.10	2.550	998,562.70	0.701	1/11/2023	4/11/2023	0.60
Sub Total / Average Corporate Issues				8,171,000.00	8,304,989.36	2.463	8,420,233.47	1.975			4.88

LAIF

LAIF LGIP 23 of 77	LGIP1002	None	4/30/2011	72,252,866.25	72,252,866.25	0.221	72,252,866.25	0.221	N/A	N/A	42.43
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Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
Sub Total / Average LAIF				72,252,866.25	72,252,866.25	0.221	72,252,866.25	0.221			42.43
Municipal											
State of California 2.152 4/1/2022	13063DAD0	Moodys-Aa3	4/27/2017	1,000,000.00	1,010,000.00	2.152	1,014,970.00	1.938		4/1/2022	0.59
Victor Valley College General Obligation Bond 2.35	92603PER9	Moodys-Aa2	12/28/2016	500,000.00	490,150.00	2.350	500,000.00	2.811		8/1/2021	0.29
Sub Total / Average Municipal				1,500,000.00	1,500,150.00	2.217	1,514,970.00	2.223			0.88
Treasury											
T-Note 0.25 5/31/2025	912828ZT0	S&P-AA+	5/17/2021	1,020,000.00	1,005,576.56	0.250	1,009,443.00	0.605		5/31/2025	0.59
T-Note 0.375 1/31/2026	91282CBH3	S&P-AA+	7/7/2021	590,000.00	578,660.94	0.375	583,203.20	0.804		1/31/2026	0.34
T-Note 0.375 12/31/2025	91282CBC4	S&P-AA+	1/25/2021	755,000.00	752,847.07	0.375	746,800.70	0.434		12/31/2025	0.44
T-Note 0.375 12/31/2025	91282CBC4	S&P-AA+	4/7/2021	535,000.00	522,314.65	0.375	529,189.90	0.888		12/31/2025	0.31
T-Note 0.375 12/31/2025	91282CBC4	S&P-AA+	5/3/2021	137,000.00	134,629.26	0.375	135,512.18	0.753		12/31/2025	0.08
T-Note 0.375 12/31/2025	91282CBC4	S&P-AA+	5/7/2021	600,000.00	590,343.75	0.375	593,484.00	0.728		12/31/2025	0.35
T-Note 0.5 2/28/2026	91282CBQ3	S&P-AA+	3/5/2021	1,260,000.00	1,242,970.31	0.500	1,251,734.40	0.777		2/28/2026	0.73
T-Note 0.75 4/30/2026	91282CBW0	S&P-AA+	5/28/2021	245,000.00	244,387.50	0.750	245,975.10	0.802		4/30/2026	0.14
T-Note 0.75 5/31/2026	91282CCF6	Moodys-Aaa	6/1/2021	500,000.00	498,417.97	0.750	501,640.00	0.815		5/31/2026	0.29
T-Note 1.25 7/31/2023	912828S92	Fitch-AAA	4/2/2019	1,035,000.00	990,365.62	1.250	1,056,952.35	2.302		7/31/2023	0.58
T-Note 1.375 6/30/2023	912828S35	Fitch-AAA	3/20/2019	1,385,000.00	1,325,867.00	1.375	1,416,647.25	2.431		6/30/2023	0.78
T-Note 1.375 9/30/2023	912828T26	Fitch-AAA	3/20/2019	1,545,000.00	1,475,112.89	1.375	1,583,625.00	2.436		9/30/2023	0.87
T-Note 1.5 10/31/2024	912828YM6	S&P-AA+	1/12/2021	1,005,000.00	1,049,479.10	1.500	1,040,727.75	0.327		10/31/2024	0.62
T-Note 1.5 3/31/2023	912828Q29	Fitch-AAA	3/20/2019	175,000.00	168,799.81	1.500	178,904.25	2.428		3/31/2023	0.10
T-Note 1.75 11/30/2021	912828U65	S&P-AA+	6/16/2020	550,000.00	562,396.49	1.750	553,063.50	0.199		11/30/2021	0.33
T-Note 1.75 7/15/2022	9128287C8	Fitch-AAA	7/31/2019	1,000,000.00	998,789.06	1.750	1,015,860.00	1.792		7/15/2022	0.59
T-Note 1.75 9/30/2022	912828L57	Fitch-AAA	3/20/2019	835,000.00	816,016.80	1.750	850,981.90	2.426		9/30/2022	0.48
T-Note 1.875 2/28/2022	912828W55	Fitch-AAA	4/2/2019	485,000.00	479,259.57	1.875	490,058.55	2.298		2/28/2022	0.28
T-Note 2 4/30/2024	912828X70	Fitch-AAA	6/7/2019	590,000.00	592,996.09	2.000	617,311.10	1.891		4/30/2024	0.35
T-Note 2 6/30/2024	912828XX3	Fitch-AAA	7/3/2019	470,000.00	474,846.88	2.000	492,583.50	1.783		6/30/2024	0.28
T-Note 2.125 12/31/2022	912828N30	Fitch-AAA	3/20/2019	1,170,000.00	1,157,340.24	2.125	1,202,947.20	2.426		12/31/2022	0.68
T-Note 2.125 2/29/2024	912828W48	Fitch-AAA	3/20/2019	2,000,000.00	1,970,625.00	2.125	2,095,000.00	2.442		2/29/2024	1.16
T-Note 2.125 3/31/2024	912828W71	S&P-AA+	3/2/2020	730,000.00	767,412.50	2.125	765,419.60	0.844		3/31/2024	0.45
T-Note 2.125 6/30/2022	912828XG0	Fitch-AAA	3/20/2019	710,000.00	703,454.69	2.125	723,198.90	2.418		6/30/2022	0.41
T-Note 2.25 12/31/2023	912828V23	Fitch-AAA	3/20/2019	2,000,000.00	1,982,968.75	2.250	2,096,100.00	2.439		12/31/2023	1.16
T-Note 2.625 1/31/2026	9128286A3	S&P-AA+	2/4/2021	715,000.00	791,164.26	2.625	778,206.00	0.463		1/31/2026	0.46
T-Note 2.75 8/15/2021	9128284W7	Fitch-AAA	10/28/2019	400,000.00	407,562.50	2.750	400,388.00	1.678		8/15/2021	0.24
Sub Total / Average Treasury				22,442,000.00	22,284,605.26	1.523	22,954,957.33	1.643			13.09

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
Total / Average				170,318,910.38	170,286,464.72	0.546	171,192,357.63	0.538			100

All investment actions executed since the last report have been made in full compliance with the District's Investment Policy. The District will meet its expenditure obligations for the next six months. Market value sources are the LAIF, CAMP, and BNY Mellon monthly statements. Broker/Dealers utilized per USD Investment Policy and at the discretion of investment portfolio advisor.

Reviewer:

Approver:

Union Sanitary District
Transactions Summary
Board Report - Activity
Group By: Action
Portfolio / Report Group: All Portfolios
Begin Date: 06/30/2021, End Date: 07/31/2021

Description	CUSIP/Ticker	Face Amount/Shares	Principal	Interest/Dividends	Coupon Rate	YTM @ Cost	Settlement Date	Total
Buy								
Collateralized Coml Paper 0 2/15/2022	19424JBF2	1,635,000.00	1,633,594.81	0.00	0.000	0.143	7/9/2021	1,633,594.81
T-Note 0.375 1/31/2026	91282CBH3	590,000.00	578,660.94	959.56	0.375	0.804	7/7/2021	579,620.50
Sub Total / Average Buy		2,225,000.00	2,212,255.75	959.56				2,213,215.31
Deposit								
CAMP LGIP	LGIP4000	1,860.73	1,860.73	0.00	N/A	0.000	7/30/2021	1,860.73
LAIF LGIP	LGIP1002	58,944.26	58,944.26	0.00	N/A	0.000	7/15/2021	58,944.26
Union Bank Cash	LGIPUNIONBANK	7,136,144.60	7,136,144.60	0.00	N/A	0.000	7/30/2021	7,136,144.60
Sub Total / Average Deposit		7,196,949.59	7,196,949.59	0.00				7,196,949.59
Interest								
Bank of America Corp 4.1 7/24/2023	06053FAA7	0.00	0.00	10,250.00	4.100	0.000	7/26/2021	10,250.00
CAMP LGIP	LGIP4000	0.00	0.00	1,860.73	N/A	0.000	7/30/2021	1,860.73
Carmax Auto Owner Trust 0.34 12/15/2025-25	14316NAC3	0.00	0.00	25.50	0.340	0.000	7/15/2021	25.50
Carmax Auto Owner Trust 0.52 2/17/2026-25	14314QAC8	0.00	0.00	78.00	0.520	0.000	7/15/2021	78.00
Carmax Auto Owner Trust 1.89 12/16/2024	14315XAC2	0.00	0.00	291.38	1.890	0.000	7/15/2021	291.38
FHLMC 0.375 7/21/2025	3137EAEU9	0.00	0.00	984.38	0.375	0.000	7/21/2021	984.38
FNMA 0.25 7/10/2023	3135G05G4	0.00	0.00	993.75	0.250	0.000	7/12/2021	993.75
FNMA 0.31 1/26/2024-22	3136G46V0	0.00	0.00	401.45	0.310	0.000	7/26/2021	401.45
Honda Auto Receivables 2020-1 1.61 4/22/2024-23	43813RAC1	0.00	0.00	409.21	1.610	0.000	7/21/2021	409.21
Honda Auto Receivables 2021-1 A3 0.27 4/21/2025-24	43813GAC5	0.00	0.00	33.75	0.270	0.000	7/21/2021	33.75
Hyundai Auto Receivables Trust 2021-A A3 0.38 9/15	44933LAC7	0.00	0.00	38.00	0.380	0.000	7/15/2021	38.00
LAIF LGIP	LGIP1002	0.00	0.00	58,944.26	N/A	0.000	7/15/2021	58,944.26
State Bank of India 2.25 1/26/2022	8562846A7	0.00	0.00	2,755.91	2.250	0.000	7/26/2021	2,755.91
Sumitomo Mitsui Bank NY 0.7 7/8/2022	86565CKU2	0.00	0.00	1,530.96	0.700	0.000	7/8/2021	1,530.96
T-Note 1.75 7/15/2022	9128287C8	0.00	0.00	8,750.00	1.750	0.000	7/15/2021	8,750.00
Toyota Auto Receivables 2020-A A3 1.66 5/15/2024-2	89232HAC9	0.00	0.00	574.08	1.660	0.000	7/15/2021	574.08
Sub Total / Average Interest		0.00	0.00	87,921.36				87,921.36
Matured								
Albion Capital LC 0 7/9/2021	01329WU90	1,635,000.00	1,635,000.00	0.00	0.000	0.000	7/9/2021	1,635,000.00

Description	CUSIP/Ticker	Face Amount/Shares	Principal	Interest/Dividends	Coupon Rate	YTM @ Cost	Settlement Date	Total
Sub Total / Average Matured		1,635,000.00	1,635,000.00	0.00				1,635,000.00
Sell								
Societe Generale NY 1.8 2/14/2022	83369XDL9	570,000.00	575,580.30	4,075.50	1.800	0.000	7/7/2021	579,655.80
Sub Total / Average Sell		570,000.00	575,580.30	4,075.50				579,655.80
Withdraw								
CAMP LGIP	LGIP4000	4,500,000.00	4,500,000.00	0.00	N/A	0.000	7/28/2021	4,500,000.00
CAMP LGIP	LGIP4000	4,500,000.00	4,500,000.00	0.00	N/A	0.000	7/21/2021	4,500,000.00
CAMP LGIP	LGIP4000	2,000,000.00	2,000,000.00	0.00	N/A	0.000	7/16/2021	2,000,000.00
Union Bank Cash	LGIPUNIONBANK	5,400,671.22	5,400,671.22	0.00	N/A	0.000	7/29/2021	5,400,671.22
Sub Total / Average Withdraw		16,400,671.22	16,400,671.22	0.00				16,400,671.22

**Union Sanitary District's Internal Retiree Medical Fund
Quarterly Report**

For Period Ended 06/30/21

Fund Balance 03/31/21:	\$308,289.41
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Revenues:

Expenses:

Quarterly Net Medical Reimbursements	(124,041.17)
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Transfers Out:

6/15/21	CalPERS OPEB Trust Actuarially Determined Contrib. (ADC) (payment 4 of 4)	(177,088.50)
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Ending Fund Balance 06/30/21:	\$7,159.74
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Market Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$10,081,913.02	\$8,454,733.85
Contribution	177,088.50	708,354.00
Disbursement	0.00	0.00
Transfer In	0.00	0.00
Transfer Out	0.00	0.00
Investment Earnings	610,700.90	1,712,837.98
Administrative Expenses	(1,284.19)	(4,729.03)
Investment Expense	(677.76)	(3,456.33)
Other	0.00	0.00
Ending Balance	\$10,867,740.47	\$10,867,740.47
FY End Contrib per GASB 74 Para 22	0.00	0.00
FY End Disbursement Accrual	0.00	0.00
Grand Total	\$10,867,740.47	\$10,867,740.47

Unit Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Units	493,419.838	466,721.853
Unit Purchases from Contributions	8,189.845	34,887.830
Unit Sales for Withdrawals	0.000	0.000
Unit Transfer In	0.000	0.000
Unit Transfer Out	0.000	0.000
Ending Units	501,609.683	501,609.683
Period Beginning Unit Value	20.432728	18.115145
Period Ending Unit Value	21.665732	21.665732

Please note the Grand Total is your actual fund account balance at the end of the period, including all contributions per GASB 74 paragraph 22 and accrued disbursements. Please review your statement promptly. All information contained in your statement will be considered true and accurate unless you contact us within 30 days of receipt of this statement. If you have questions about the validity of this information, please contact CERBT4U@calpers.ca.gov.

Statement of Transaction Detail for the Quarter Ending 06/30/2021

Union Sanitary District

Entity #: SKB7-6011550262



Date	Description	Amount	Unit Value	Units	Check/Wire	Notes
06/15/2021	Contribution	\$177,088.50	\$21.622936	8,189.845	WIRE 2021061579	

Client Contact:
CERBT4U@CalPERS.ca.gov

<p align="center">MONTHLY OPERATIONS REPORT FOR THE MONTH JULY 2021 TECHNICAL SUPPORT WORK GROUP SUMMARY</p>
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Capital Improvement Program

Aeration Blower No. 11 Project – Contractor worked on the removal of interior building coatings in preparation for roof seismic retrofit work.

Alvarado Influent Pump Station Improvements Project – Operational test of the new Pump 4 was completed. Installation of Pumps 2 and 3 piping and conduits continued.

Cathodic Protection System Improvements Project – Submittals review was in progress.

Centrifuge Building Improvements Project - Submittals review was in progress. Sludge conveyors are expected to be delivered in August.

Emergency Outfall Improvements Project - Submittals review was in progress.

FY21 Cast Iron/Pipe Lining Project - Contractor began corrective action items to achieve substantial completion. All work anticipated to be completed in August.

FY21 Gravity Sewer Rehabilitation/Replacement Project – Phase VII –Submittals review was in progress.

Headworks Screens Replacement Project –Replacement of the 3/8” screen components with 1/4” on Mechanical Screen No. 3 is anticipated to take place in August.

Primary Digester No. 2 Rehabilitation Project – Contractor worked on project close-out activities.

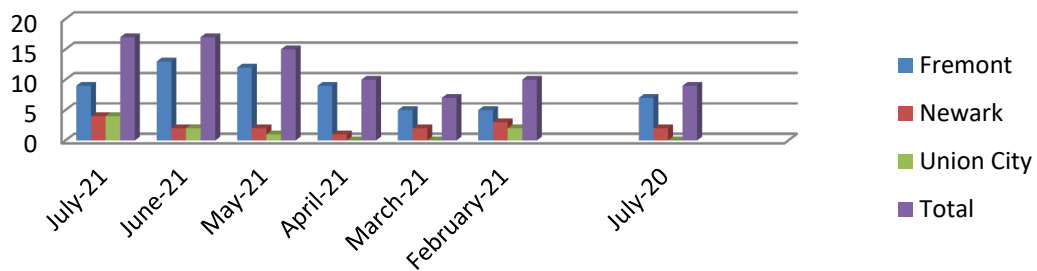
Primary Digester No. 7 Project – Leak testing of Digester 7 was completed. Installation of exterior piping, valves, and electrical conduits was in progress.

Wet Weather Flow Management – Calcium Thiosulfate Chemical Feed System – Installation of chemical pumps and above-ground piping, appurtenances, and conduits was in progress. Pump local-control panels fabrication was in progress.

Customer Service

Trouble Calls dispatched from the Front Desk during business hours:

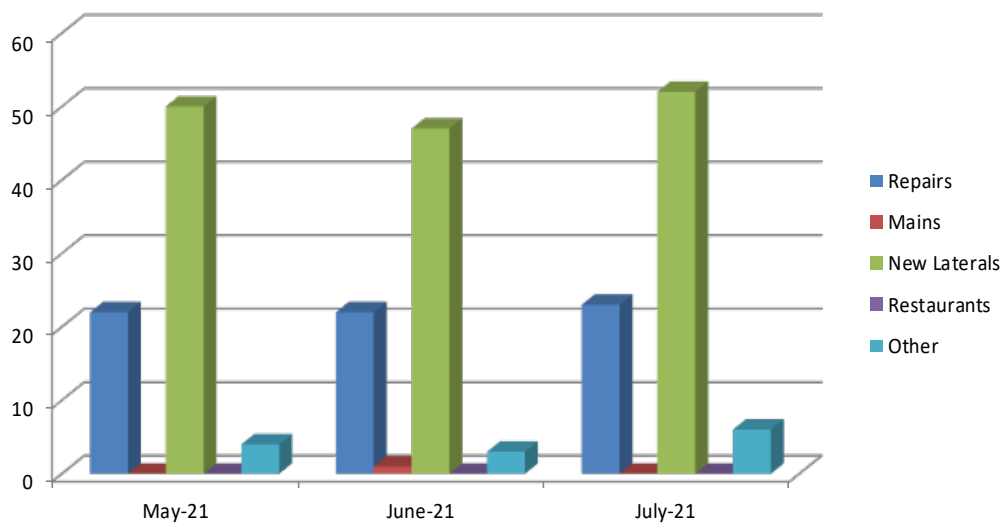
Month	Fremont	Newark	Union City	Total
July-21	9	4	4	17
June-21	13	2	2	17
May-21	12	2	1	15
April-21	9	1	0	10
March-21	5	2	0	7
February-21	5	3	2	10
July-20	7	2	0	9
6-Month Total				76



Sewer Permits Issued

Month	Repairs	Mains	New Laterals	Restaurants	Other
July-21	23	0	52	0	6
June-21	22	1	47	0	3
May-21	22	0	50	0	4

New Laterals - New residential lateral connections
 Other - Non-residential construction (except restaurants)



Communication

- Social Media Posts
 - July 4 Holiday announcement (closed July 5)
 - Collection Services Workgroup Manager recruitment
 - Safe medicine disposal
 - What not to flush
 - USD's Peak Performance Awards
- Website Updates:
 - Capacity Fee page updated
- Participated as member of Union City Chamber Board of Directors:
 - Attended Virtual meetings
 - Attended Ribbon-cutting ceremony for new member

Environmental Compliance

Pollution Prevention/Stormwater Programs

USD's Environmental Compliance (EC) team conducts pollution prevention inspections at restaurants, car wash businesses, and other commercial facilities. EC also conducts inspections and enforcement for the City of Fremont's Environmental Services group. Over 600 Stormwater compliance inspections are conducted every year to ensure that commercial facilities, including restaurants and auto shops, comply with City Ordinance requirements, and do not discharge pollutants to the creeks and bay.

During the past month, the EC team conducted 71 Stormwater (Urban Runoff), and 32 FOG (restaurant) inspections. During this reporting period, Inspectors identified 16 Stormwater and 7 FOG enforcement actions. Eleven (11) of the Stormwater enforcements resulted in administrative fines ranging from \$100 to \$1,000 for each violation. One (1) of the administrative fines were for illicit discharge violations.

Urban Runoff (UR) Inspections and Enforcements

July 2021	Number of UR Inspection	VW	WL	NOV	AF	LA	NOD	Total Enforcements	No. of Illicit Discharge/s	1
	71	2	0	3	11	0	0	16	% Enforcement	23%

Fats, Oils, and Grease (FOG) Inspections and Enforcements

July 2021	Number of FOG Inspections	VW	WL	NOV	AF	LA	NOD	Total Enforcements	% Enforcement	22%
	32	7	0	0	0	0	0	7		

Enforcements

VW – Verbal Warning, WL – Warning Letter, NOV – Notices of Violation

AF – Administrative Fine, LA – Legal Action, NOD – Notice of Deficiency

AO – Administrative Order, C&D – Cease & Desist Order, SNC – Significant Non-Compliance

Dental Inspections, School Outreach, and Plant Tours

# of Dental Inspections	# of School Outreach Events	# of Plant Tours
None	None	None

Industrial Pretreatment

The Industrial Pretreatment program has pending permits as shown in the table below. USD inspectors are working with each of these companies to establish permitted industrial discharges.

Pending Permits

New Industrial/Groundwater Permits	Groundwater/Temporary
Facebook Commissary	
Membrane Technology Research	
Bionova	
Sonova	
Estuary LLC	
Tenaya Therapeutics, LLC	

Permits Issued

Company Name	Date Permit Issued
None	

Industrial Permit Closures

Company Name	Date of Closure
None	

Reports (Annual & Semi-Annual Pretreatment Report, Union City Report, etc.)

Report Name	Date Report Completed and Submitted
2021 Semi Annual Pretreatment Report	July 27, 2021

Enforcement Action

Industrial User Name & Nature of Business	Comments	City	Parameter Violated	Discharge concentration (mg/L)	USD/Fed Limit Violated(mg/L)	Enforcement
MPP Union City #038	N21-007	Union City	Ammonia 6-month average	265	225	NOV
KYOCERA-SLD Laser	N21-008	Fremont	Ammonia 6-month average	415	225	NOV
Boehringer Ingelheim	WL-21-001	Fremont	Incomplete Lab Results	None	None	WL

A/V- Animal/Vegetable, TTL- Total, O&G- Oil & Grease

(1) WL – Warning Letter,

NOV – Notices of Violation,

AO – Administrative Order

C&D – Cease and Desist Order,

SNC – Significant Non-Compliance,

EM – Enforcement Meeting

Other - Training, Special Meetings, Conferences, IAC (topics)

Activity	Date of Event	Organization & Attendees
ECI Toolbelt Training-Cannabis inspections and permitting	July 13, 2021	Doug Dattawalker

Engineering/ConstructionNo. of projects under construction: **11**

	Construction Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for July 2021 Activities
1.	Aeration Blower No. 11 Project - Derek	\$1,652	12/21	30%	68%	Contractor worked on the removal of interior building coatings in preparation for roof seismic retrofit work.
2.	Alvarado Influent Pump Station Improvements Project – Thomas	\$8,890	10/21	60%	88%	Operational test of the new Pump 4 was completed. Installation of Pump 2 and 3 piping and conduits continued.
3.	Cathodic Protection System Improvements Project - Thomas	\$483	1/22	0%	25%	Submittals review in progress.
4.	Centrifuge Building Improvements Project – Somporn	\$688	10/21	35%	68%	Submittals review in progress. Sludge conveyors are expected to be delivered in August.
5.	Emergency Outfall Improvements Project – Andrew	\$1,399	1/22	5%	25%	Submittals review in progress.
6.	FY21 Cast Iron/Pipe Lining Project – Andrew	\$307	5/21	100%	100%	Contractor began corrective action items to achieve substantial completion. All work anticipated to be completed in August.
7.	FY21 Gravity Sewer Rehabilitation/Replacement Project – Phase VII	\$595	10/21	5%	38%	Submittals review was in progress.
8.	Headworks Screens Replacement Project – Thomas	\$1,822	7/21	98%	98%	Replacement of the 3/8" screen components with 1/4" on Mechanical Screen No. 3 is anticipated to take place in August.
9.	Primary Digester No. 2 Rehabilitation Project – Derek	\$3,058	10/20	100%	100%	Contractor worked on project close-out activities.
10.	Primary Digester No. 7 Project – Curtis	\$23,460	12/21	89%	85%	Leak testing of Digester 7 completed. Installation of exterior piping, valves, and electrical conduits in progress.
11.	Wet Weather Flow Management – Calcium Thiosulfate Chemical Feed System – Kevin/Blake	\$624	06/21	40%	114%	Installation of chemical pumps and above ground piping in progress. Fabrication of pump local control panels in progress.

Design/Study

No. of projects in design/study phase: **11**

	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for July 2021 Activities
1.	Cherry Street Pump Station Improvements Project – Derek	\$72	06/21	100%	100%	100% design submittal was received.
2.	Force Main Condition Assessment – Andrew	\$121	10/22	60%	85%	Pipe testing is planned to take place during Force Main Relocation Project.
3.	Force Main Corrosion Repairs Project Phase 3 – Andrew	\$60	12/21	75%	87%	Project construction is pending the completion of Force Main relocation project.
4.	Irvington Basin Masterplan Update - Andrew	\$378	11/21	85%	76%	Technical Memorandum for Newark Capacity Confirmations was finalized. Pollutant analysis of travel times for Irvington Basin initiated and capacity deficiencies identified.
5.	Irvington Basin Reinforced Concrete Pipe Rehabilitation Project - Andrew	\$271	10/21	35%	55%	90% design submittal in progress.
6.	Odor Control Alternatives Study – Kevin	\$465	12/20	99%	100%	Report will be finalized after the pilot testing project is completed.
7.	Odor Control Pilot Study - Somporn	\$99	12/21	98%	100%	Draft Final Report was received. Comments were provided.
8.	Plant Miscellaneous Improvements Project – Derek	\$185	03/22	0%	5%	Executed design task order with consultant. Kickoff meeting scheduled in August.
9.	Pump Stations Chemical System Improvements Project - Thomas	\$738	10/21	50%	70%	90% design submittal in progress.
10.	Standby Power Generation System Upgrade Project – Kevin	\$2,281	01/21	88%	88%	Preparation of 100% design submittal in progress. Review of generator system submittal completed.
11.	WAS Thickener Replacement Project – Derek	\$807	06/21	92%	100%	90% design submittal was reviewed.

COLLECTION SERVICES ACTIVITIES REPORT JULY 2021

Progress/Accomplishments




- No stoppages/no spills in July
- Completed 16.7 miles of sewer main cleaning in July
- Completed 11.05 miles of sewer main inspection in July
- Responded to 22 service request calls in July
- Completed a total of 10 sewer main repairs in July

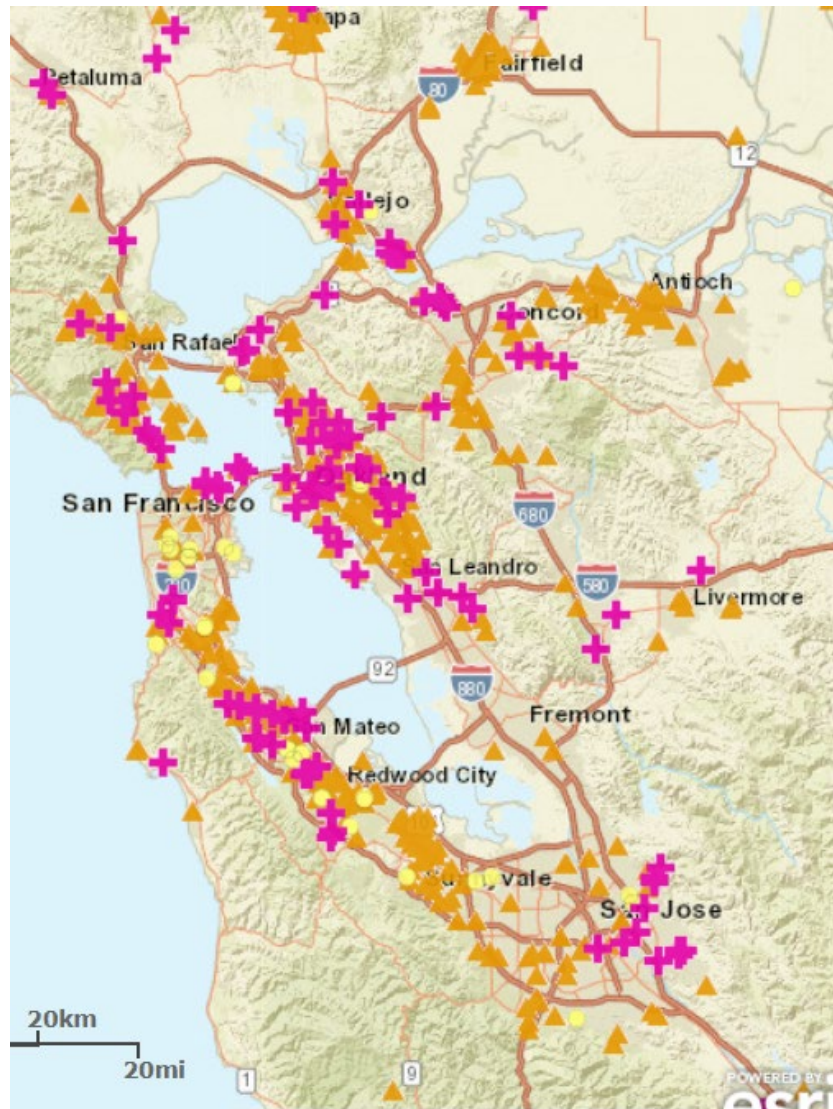
Trainings/Significant Events

- Class "A" Drivers Training
- Star Point Training
- Haz Mat Training

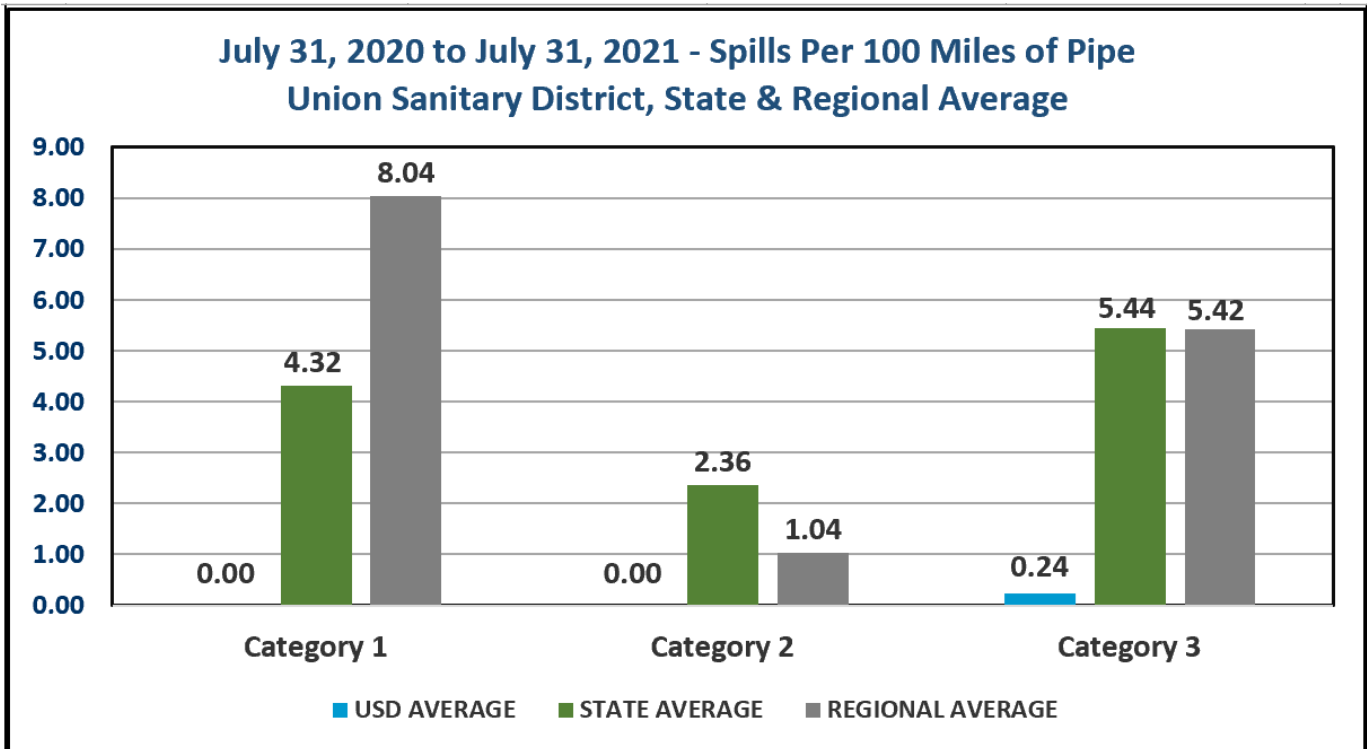
Reported Bay Area Spills July 31, 2020 to July 31, 2021

MAP LEGEND

	Category 1 = Any SSO to surface water or drainage channel regardless of size
	Category 2 = $\geq 1,000$ gallons that do not reach surface water or drainage channel
	Category 3 = $< 1,000$ gallons that do not reach surface water or drainage channel



July 31, 2020 to July 31, 2021 Spills Per 100 Miles of Pipe Union Sanitary District, State & Regional Average



Spill Rate Statistics - July 31, 2020 to July 31 2021

Spills per 100 Miles of Pipe

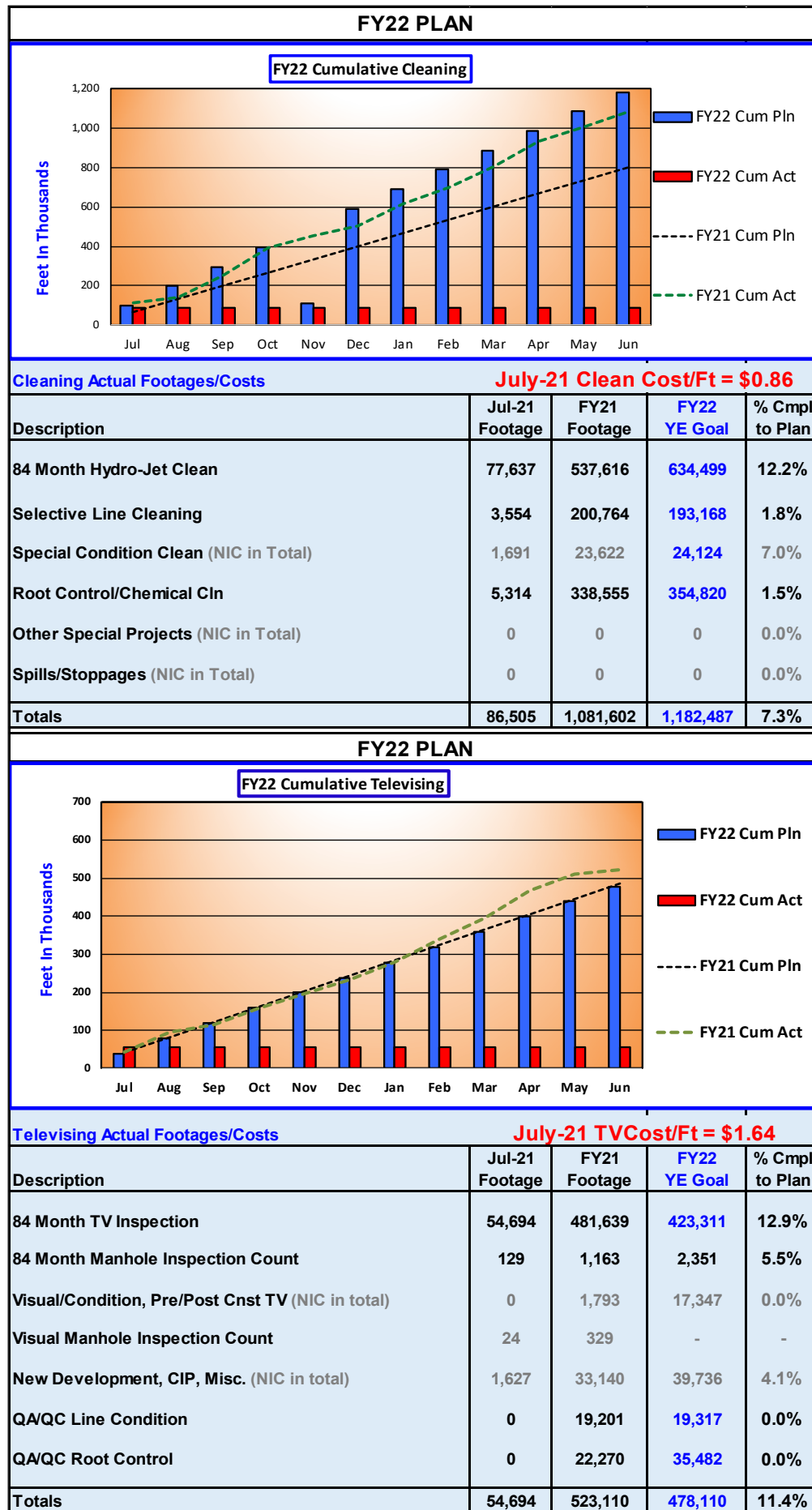
	Category 1	Category 2	Category 3
USD AVERAGE	0.00	0.00	0.24
STATE AVERAGE	4.32	2.36	5.44
REGIONAL AVERAGE	8.04	1.04	5.42

Category 1 - 1,000 gallons or more. Discharges to surface water, not fully captured

Category 2 - 1,000 gallons or more. Does not reach surface waters, not fully captured

Category 3 - 1,000 gallons or less, does not reach surface waters, full captured

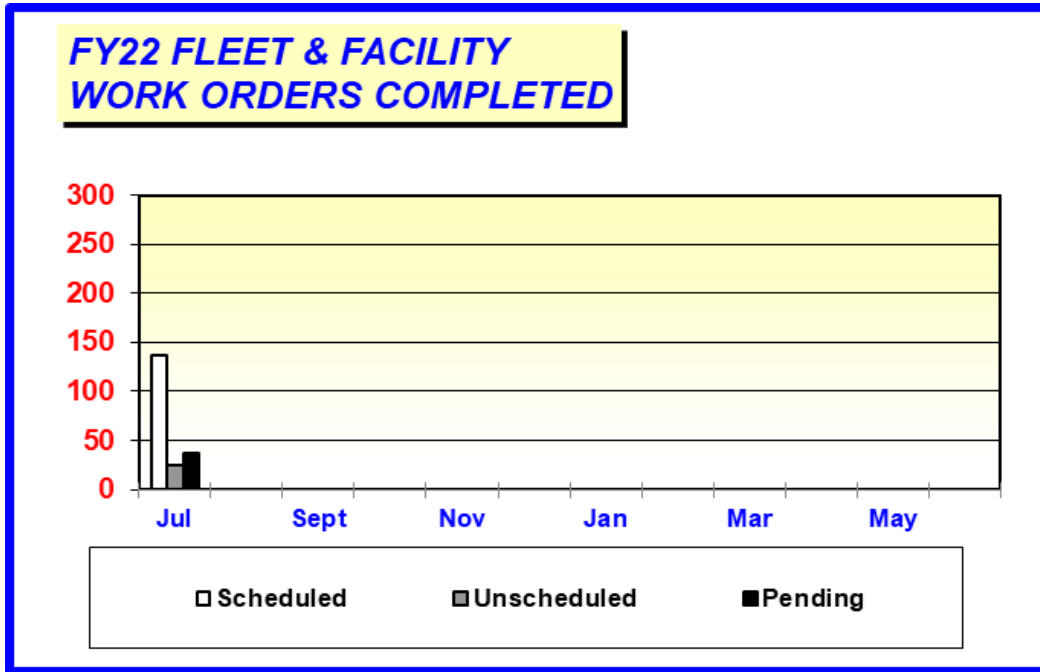
Performance Measures



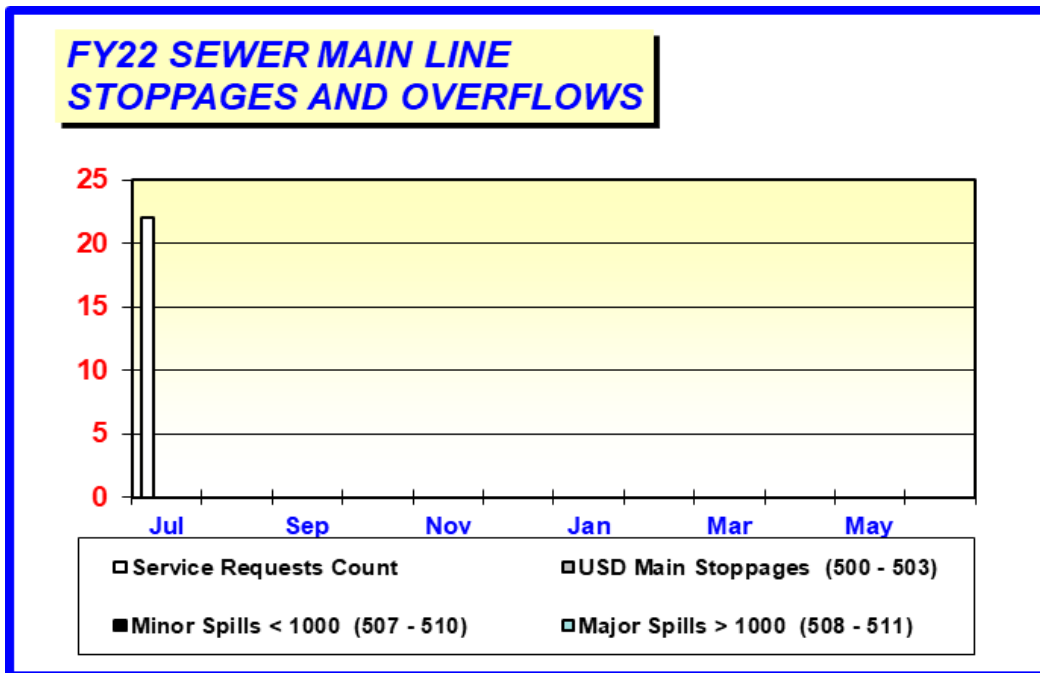
Other Collection Services Status Data:

Support Team Work Order Status:

C/S



Maintenance Status:



Fabrication, Maintenance and Construction Activities Report July 2021

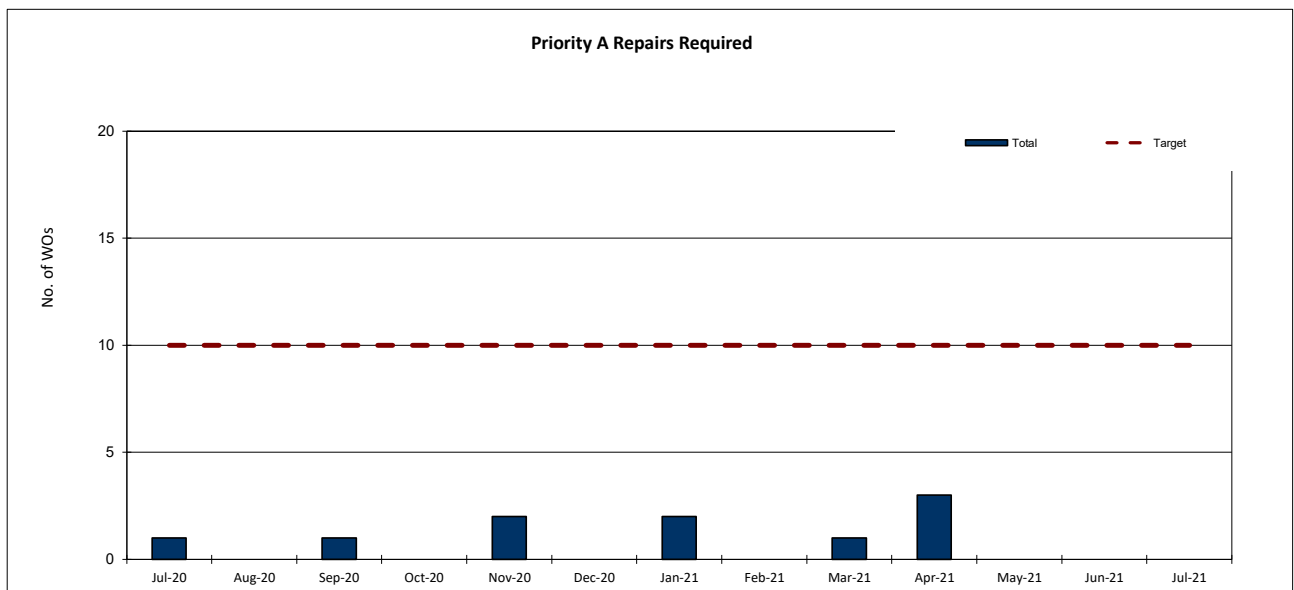
Progress/Accomplishments

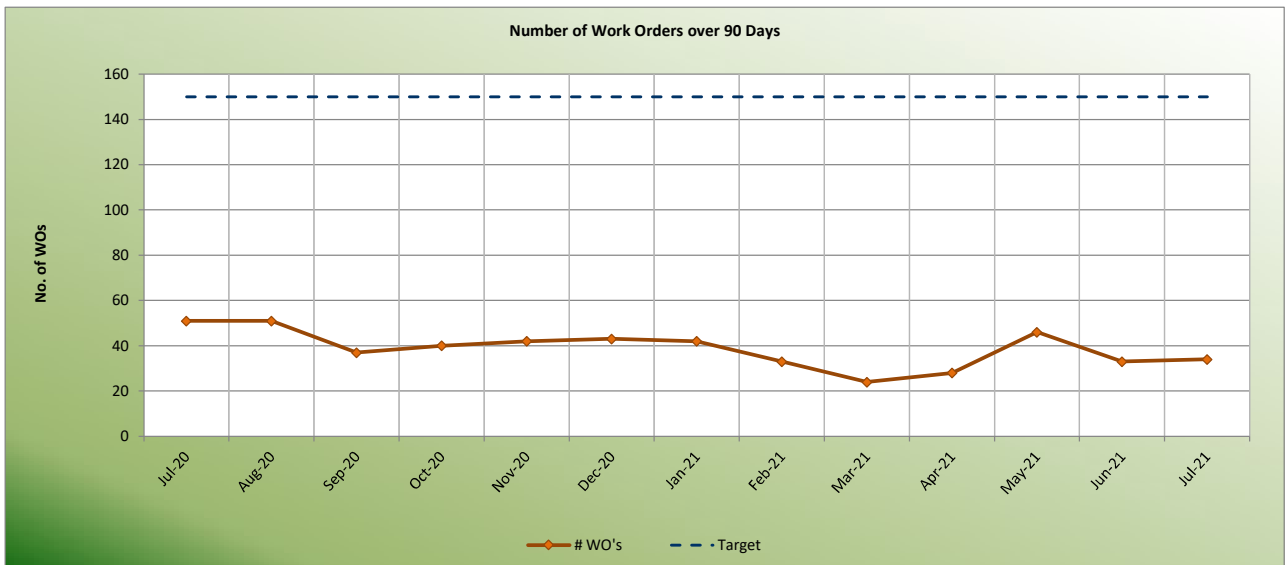
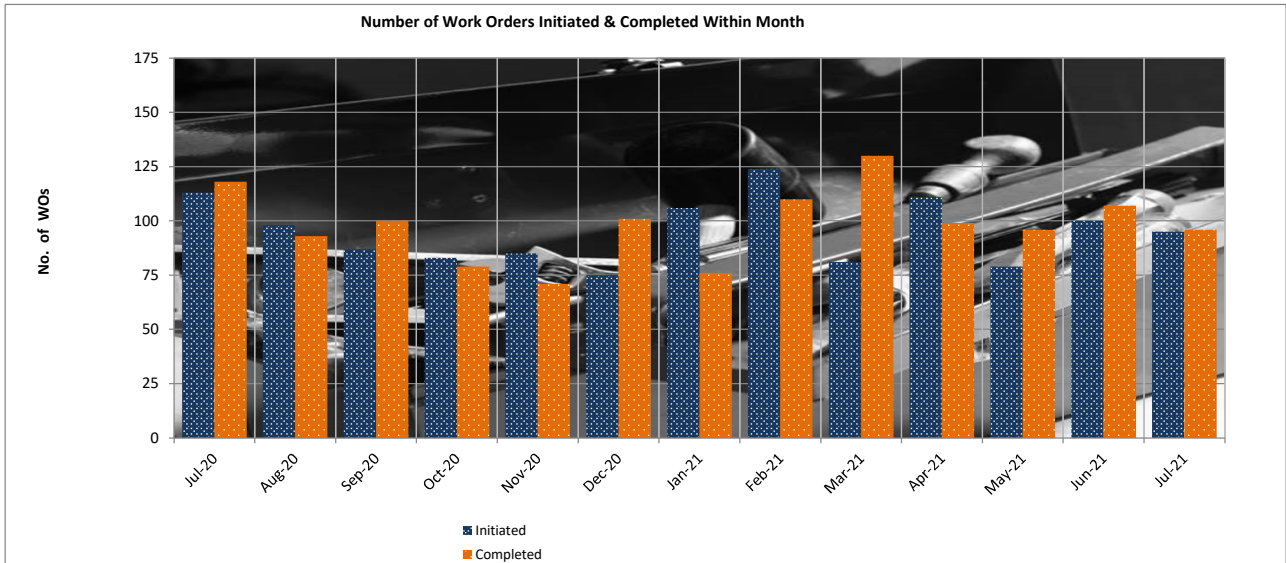
- Completed 98.84% of preventive maintenance activities for the month of July
- Completed 96 corrective maintenance work orders for the month of July
- Secondary Clarifier's 2, 4, and 6 annual services
- Boyce bypass SOP development and practical set up and training
- Fabrication of new skimmer arm for Thickener 2
- Piping repair for Site Waste Pump 4 Entry was made but piping was too damaged for repair. New piping is on order.
- Coating of plant piping for odor scrubbers

Future Planning

- East Force Main layup for replacement
- East Force Main start up thru bypass
- Secondary Clarifier's 1 and 2 annual services
- Odor Scrubber 18 overhaul
- SOSR support for Force Main replacement, Digester 7, APS upgrade, Centrifuge conveyor
- Piping replacement for Site Waste pumps 3 & 4

Performance Measurements





**Treatment & Disposal
Activities Report
July 2021**

Progress/Accomplishments

- Maintained 100% compliance with National Pollutant Discharge Elimination System (NPDES) permits
- Completed 97% preventive maintenance activities for the month of July
- Executed a contract for Cleaning Secondary Digester 1 and decommissioning the digester for its upcoming condition assessment and Digester 7 project work
- Continued the hiring process for Limited Duration Plant Operator III Trainee
- Attended San Francisco Estuary Institute's (SFEI) presentation of Phase I results from the Bay Area Clean Water Agencies (BACWA) Per- and Polyfluoroalkyl Substances (PFAS) study
- Provided information as requested by Environmental and Public Health Engineering Inc. (EOA) for the application to renew the East Bay Dischargers Authority (EBDA) NPDES permit
- Met with Bay Area Air Quality Management District (BAAQMD) to discuss requirements for the EBDA Phase 1A air permit application

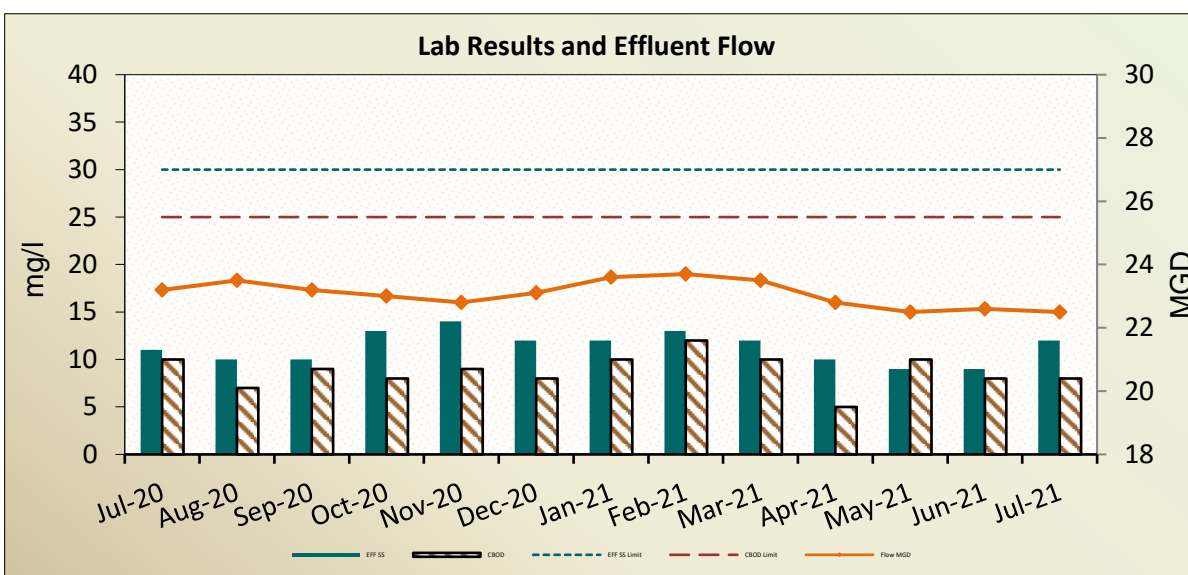
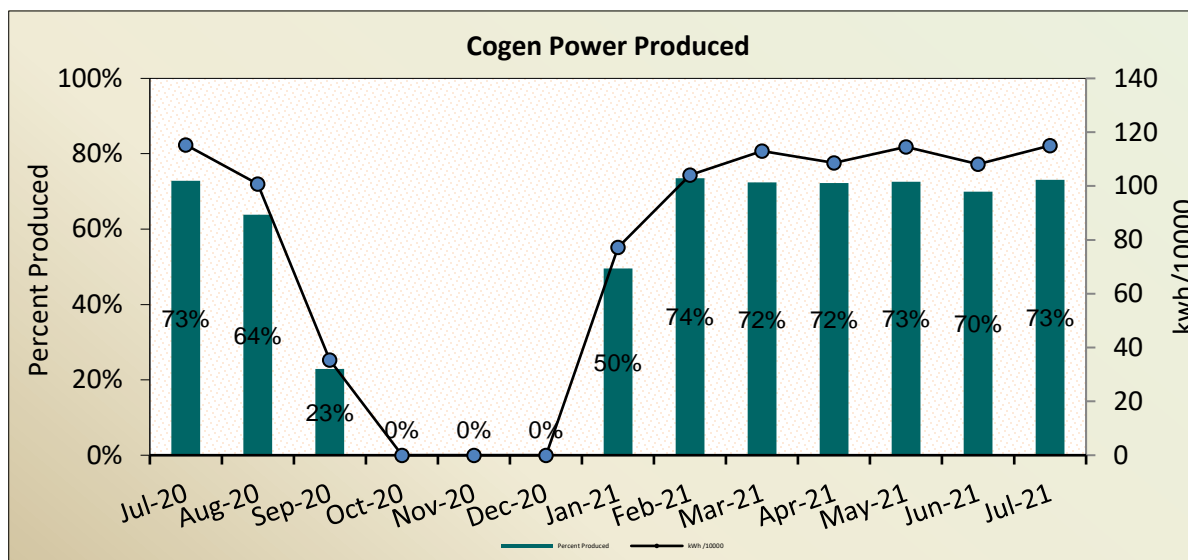
Future Planning

- Issue a final offer and onboard the new Limited Duration Plant Operator III Trainee
- Support functional and operational testing of Alvarado Influent Pump Station (AIPS) Pump 3 and related System Outage/Start-Up Requests (SOSRs)
- Complete BACWA Biosolids survey
- Interpret total chlorine residual blanket permit amendment and make changes to wet weather procedures
- Create an electronic template to calculate sulfur emissions from digester safety for BAAQMD requirements

Other

- Cogeneration system produced 73% of power consumed for the month of July

Performance Measurements



USD's Final Effluent Monthly Monitoring Results				
Parameter	EBDA Limit	May-21	Jun-21	Jul-21
Copper, µg/l	78	5.1	4.0	4.4
Mercury, µg/l	0.066	0.0019	0.0022	0.0032
Cyanide, µg/l	42	E 1.8	E 0.94	E 1.3
Ammonia- N, mg/L (Range)	130	41.6 - 45.6	40.6 - 43.8	40.0 - 44.1
Fecal Coliform, MPN/100ml (Range)				
• 5-Day Geometric Mean	500	33 - 44	52 - 70	42 - 63
• 11-Sample 90th Percentile	1100	55 - 57	71 - 78	78 - 96
Enterococci				
• Monthly Geometric Mean	240	33.9	20.6	21.0
E = Estimated value, concentration outside calibration range. For SIP, E = DNQ, estimated concentration.				

**Directors**

Manny Fernandez
Tom Handley
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Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**AUGUST 23, 2021
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 5.B**

TITLE: Fourth Quarter FY 21 District-Wide Balanced Scorecard Measures (*This is an Information Item*)

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Mark Carlson, CFO/ Business Services Work Group Manager
Gene Boucher, Organizational Support Team Coach
Jason Yeates, Organizational Performance Coordinator

Recommendation

Information only.

Discussion

This report summarizes progress meeting the District's strategic objectives and safety measures for the fourth quarter of fiscal year 2021 to date (July 1 – June 30, 2021).

Safety

Safety of our employees continues to be a District priority, and we have focused our efforts on the evolving response to the pandemic. We continue to respond to COVID-19 safety protocols and align with the guidance of the Alameda County Health Department, CDC, and Cal OSHA. Our District management team has provided over 7 email communications to employees relating to COVID, during the 4th quarter.

The 4th quarter lost time and lost wages metrics still reflect the impacts from several staff members that have been out on extended leave, but these staff members have returned to work full time.

A vehicle claim from the end of FY20 has finally been closed, and the final payment for the claim was made in the 4th quarter.

Operational Excellence

In the 4th quarter we surpassed our outreach milestone goal for the year, although our activities have been modified to virtual events. We have put several outreach events on hold, such as plant tours and community events, until these can safely be held again.

10 of 17 Priority CIP projects are meeting the planned milestones, and updates from the Technical Services workgroup were shared in a previous Board Meeting.

Several training milestones were completed, putting the measure back on track, and several groups were able to complete CalOSHA mandated safety training.

Measure Outcome Color Key

Green: meeting or exceeding target or projected to meet target by the end of the fiscal year

Yellow: Will not meet target if trend continues, and/or not meeting target by <10%- needs attention

Red: Will not meet FY target by >10%- corrective action needed

Background

District-Wide Balanced Scorecard Measures are presented quarterly.

Previous Board Action

None

Attachment:

Table 1: Safety Objectives and Measures

Table 2: Operational Excellence Objectives and Measures

Table 1: Safety Objectives and Measures

Objectives	Measurements	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	YTD Actual	Comments	Target	FY20	FY19	FY18
Reduce the number of accidents	Total accidents with lost days	2	0	0	0	2		0	0	1	2
	Other OSHA recordable accidents	1	0	0	0	1		≤4	1	0	0
	# Incidents of vehicle or equipment accidents/damage	0	1	0	0	1		≤2	6	2	2
Reduce the impact of accidents on employees and the District	Cost associated with vehicle/equipment accidents	\$0.00	\$8,025.32	\$0.00	\$3,168.70	\$11,194.02		≤\$5000	\$ -	\$ 646.00	\$0
	Ave FTE lost time	1.44	0.96	0.70	0.10	1.03		<0.5	0.66	0.09	0.33
	Total Costs: Lost time Wages only	\$40,910.02	\$32,822.81	\$22,654.59	\$2,800.39	\$99,187.81		≤\$46,883	\$ 70,759.00	\$ 2,164.50	\$32,052.64
	Ave FTE limited duty time	0	0	0	0	0		≤0.5	0	0	.08
	Total costs: Limited duty/Other 1/2 wages	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		≤\$23,441	\$0.00	\$0.00	\$2,930.91
	X-Mod					0.82		≤1.0	0.94	0.82	0.78
Identify and correct poor practices and potential hazards	# Facility inspections completed (SIT)						On hold due to COVID	0	1	4	4
	% of areas of concern identified during internal facility inspections that are resolved within 45 days of report							0	100%	93%	94.59%
	# work site inspections completed	83	82	86	95	346		278	335	335	373

Table 1: Safety Objectives and Measures (continued)

Implement industry best practices	# site visits (for potential BMPS) completed and discussed by ET						On hold due to COVID	0	0	1	1
Communicate our commitment to safety	# GM communications on status of safety program and performance	7	12	8	7	34		≥4	19	7	7
	# safety strategy reviews conducted by ET and EHSPM	12	12	12	12	48		4	12	4	8
Educate employees in safe work practices	# of major safety training events offered	2	2	4	5	13		9	9	11	11
	Ave % of targeted employees trained vs. plan	96.40%	95.00%	97.68%	81.56%	92.66%		≥90%	89.77%	90.73%	94.02%
Create a positive safety culture	% Positive responses on the employees safety survey (aver)						Postponed at this time	≥75%	POSTPONED	N/A	94.08%

Table 2: Operational Excellence Objectives and Measures

	Objectives	Measures	1st	2nd	3rd	4th	YTD Actual	Comments	Target	FY20	FY19	FY18
Customer Objectives	Stewardship: Demonstrate responsible stewardship of District assets and the environment	Progress implementing outreach plan milestones: % planned events completed	26.32%	26.32%	21.05%	21.05%	94.74%		≥90%	87%	88%	91.80%
	Service: Provide reliable, high quality service	Response time to calls for service: % under 1 hour	100.00%	98.00%	100.00%	95.70%	98.43%	44/46 responded in under 1 hour	≥95%	98.780%	96.9%	96.83%
		Response time to contact USD inquiries: % within 3 business days	98.00%	100.00%	100.00%	100.00%	99.50%		≥90%	98.50%	100%	94.08%
		# Total adverse impacts on customers	1	0	1	0	2		≤10	3	3	4
	Be prepared for emergencies	# emergency preparedness events (drills, training, debriefs, table top exercises, etc.)	1	1	0	1	3		3	4	4	5
Financial Objectives	Fiscal responsibility: Ensure funding for critical programs and projects, while maintaining comparable rates	Residential SSC compared to other agencies					5.8th		≤33rd percentile	5.8th	5.8th	11.5
	Accurately project and control costs	% Budget expended, Operating Expenditures					Annual Report		95-103%	96%	94%	105%
		% expended Priority 1 Special Projects					Annual Report		80-110%	42%	72.2%	107.00%
		# regional projects/initiatives with financial benefit	3	3	3	3	3		≥3	3	3	3

Table 2: Operational Excellence Objectives and Measures (continued)

	Objectives	Measures	1st	2nd	3rd	4th	YTD Actual	Comments	Target	FY20	FY19	FY18
Internal Process Objectives	Asset Management: Manage and maintain assets and infrastructure	# Critical asset failures wo negative impacts	1	1	0	0	2		≤2	0	2	0
		# critical asset failures with negative impacts	0	0	0	0	0		0	0	0	0
		% asset renewal/year: Plant					Annual Report		Track & Report	5%	2.32%	1.74%
		% asset renewal/year: Collection System					Annual Report		Track & Report	0.04	0.08%	0.18%
		Priority CIP Project milestones met vs. planned	100%	82%	65%	59%	76%	10 of 17 projects on schedule	85%	84%	83%	85%
	Environmental Protection: Maintain our ability to meet current and future regulations Implement projects and programs that benefit the environment	# adverse impacts on environment (Cat 1 SSO)	0	0	0	0	0		0	0	0	0
		Category 2/3 SSOs	1	0	0	2	3		≤10	1	2	2
		# regional projects/initiatives with environmental benefit	3	3	3	3	3		≥3	3	3	3
Employee Growth & Development Objectives	Employees: Maintain a highly competent, flexible workforce	Employee Turnover Rate- total					3.57%		Track and report	5.11%	5.11%	6.11%
		Employee Turnover Rate- nonretirement					2.14%		Track and report	2.19%	2.0%	2.29%
		% Training System Milestones Completed (accumulative total)	18%	36%	50%	100%	100%		90%	50%	105%	100%
		# competency assessments completed	3	1	32	2	38		7	30	48	73
	Safety: Work safely; reduce accidents and injuries Culture: Foster a collaborative employee-management relationship that encourages new ideas and continuous improvement	See safety scorecard										
		Ave % non-mgmt. employees participating in District committees and taskforces		36%		36%	36%	Limited committee and taskforce activities.	45-55%	44%	43%	45.00%
		% non-mgmt. employees participating in alternative compensation program (accumulative total)					56%		Track & Report	66%	42%	43.00%



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

Karen W. Murphy
Attorney

**AUGUST 23, 2021
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 8**

TITLE: Consider a Resolution Determining The Enhanced Treatment And Site Upgrade Phase 1A-Campus Building Project (Project) Consistent With The Approved Initial Study/Mitigated Negative Declaration For The Enhanced Treatment And Site Upgrade Phase 1 Program and Approving the Project (*This is a Motion Item*)

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Ric Pipkin, Enhanced Treatment and Site Upgrade Program Manager
Curtis Bosick, Enhanced Treatment and Site Upgrade Assistant PM
ETSU Steering Committee (Armando Lopez, Sami Ghossain, Robert Simonich)

Recommendation

Staff recommends the Board adopt a resolution that:

1. Determines that the environmental impacts of the Phase 1A-Campus Building Project, as defined by the Construction Documents, are within the scope and consistent with the approved Initial Study/Mitigated Negative Declaration for the ETSU Phase 1 Program, and no further environmental review is required for the Project; and
2. Approves the Project, which will allow staff to file a CEQA Notice of Determination.

Discussion

The California Environmental Quality Act (CEQA) requires that the District complete an environmental review process for the ETSU Phase 1 Program. Hazen and Sawyer (Hazen), the designer for the ETSU Phase 1 Program, and their environmental subconsultant Scheidegger and Associates conducted the environmental review and prepared an Initial Study/Mitigated Negative Declaration (IS/MND) for the ETSU Phase 1 Program.

Pursuant to CEQA, the consultant analyzed the ETSU Phase 1 Program's potential impact with respect to various environmental factors (e.g., air quality, biological resources, cultural resources,

etc.). The IS/MND concluded that while several potential significant environmental impacts could result from the ETSU Program, mitigation measures will effectively address these impacts. On May 10, 2021, the Board adopted a resolution adopting the Mitigated Negative Declaration for the Enhanced Treatment and Site Upgrade (ETSU) Phase 1 Program. Staff anticipated further analysis on whether additional environmental review would be required for the subsequent ETSU projects (phases A, B and C) as more design details are finalized.

Concurrent with the development of the Construction Documents for the Phase 1A-Campus Building Project (Project), Hazen's environmental subconsultant, Scheidegger and Associates, prepared an environmental compliance assessment. The assessment found that the environmental effects of the Project are within the scope of the adopted Program IS/MND (SCH No. 2021030219) and that no further environmental documents are required. Mitigation measures included in the IS/MND will continue to apply to the Project.

The draft resolution also includes approval of the Project, which is required prior to the filing of a CEQA Notice of Determination. The filing of a Notice of Determination will start the statute of limitations running on any CEQA challenge to the Project. Staff will file a Notice of Determination with the Governor's Office of Planning and Research and the Alameda County Clerk should the Board adopt the proposed resolution.

Background

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

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

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

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

Previous Board Action

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

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

March 9, 2020, the Board authorized the General Manager to execute Task Order No. 2 with Hazen and Sawyer in the amount of \$3,737,412 for the Enhanced Treatment and Site Upgrade Phase 1A Project to complete the design of the Campus Building Project.

March 22, 2021, the Board Conducted a Public Hearing to Receive Comments on the Initial Study and Mitigated Negative Declaration for the Enhanced Treatment and Site Upgrade Phase 1 Program.

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

PRE/RP/CB

Attachments: Resolution
Figure 1 – Site Plan
Environmental Compliance Assessment For the ETSU Phase 1A – Campus
Building Project

RESOLUTION NO. _____

DETERMINING THE ENHANCED TREATMENT AND SITE UPGRADE PHASE 1A-CAMPUS BUILDING PROJECT (PROJECT) CONSISTENT WITH THE APPROVED INITIAL STUDY/MITIGATED NEGATIVE DECLARATION FOR THE ENHANCED TREATMENT AND SITE UPGRADE PHASE 1 PROGRAM AND APPROVING THE PROJECT

WHEREAS, on May 10, 2021, the Union Sanitary District Board of Directors (“Board”) adopted Resolution No. 2923 making the required findings and adopting an Initial Study and Mitigated Negative Declaration (“IS/MND”) of potential environmental impacts of the Enhanced Treatment and Site Upgrade (ETSU) Phase 1 Program, and a Mitigation and Monitoring Program (“MMRP”); and

WHEREAS, the Board, in adopting Resolution No. 2923, also approved the Enhanced Treatment and Site Upgrade Phase 1 Program, including the Phase 1A–AB Improvements Project; and

WHEREAS, the IS/MND determined that although the proposed project could have a significant effect on the environment, mitigation measures included in the IS/MND would reduce all of the impacts to a less than significant level; and

WHEREAS, the IS/MND analyzed the impacts of the ETSU Phase 1A – Campus Building Project (“Project”) on a programmatic level as the design of the Project was at 30 percent completion; and

WHEREAS, as the construction documents for the Project have now been prepared, the District has prepared an Environmental Compliance Assessment dated August 6, 2021 to determine whether additional environmental review is required for the Project; and

WHEREAS, the Environmental Compliance Assessment has determined that, as there are no changes to the Project, no additional environmental review is required and that the Project is within the scope of the IS/MND.

NOW, THEREFORE, BE IT RESOLVED, by the Board of Directors of the Union Sanitary District that:

1. The Board hereby makes the following findings and determinations with respect to the Campus Building:
 - a. As set forth in the Environmental Compliance Assessment, there are no substantial changes to the Project or circumstances under which the Project is undertaken or new information of substantial importance that would require a subsequent negative declaration under Section 15162.

- b. As set forth in the Environmental Compliance Assessment, as the construction documents have not produced any changes in the Project, the design is covered within the scope of the IS/MND, the environmental evaluation in the IS/MND remains valid, and no changes are necessary to the IS/MND. Therefore, no additional environmental review is required.
2. The Board hereby approves the Phase 1A – Campus Building Project. Mitigation measure included in the IS/MND will continue to apply to the Project.
3. The Board directs staff to file a notice of determination with the County Clerk of Alameda County.
4. Pursuant to CEQA Guidelines section 15091(e), the documents and other materials that constitute the record of proceedings upon which the Board of Directors has based its recommendations are located in and may be obtained from, the Office of the Union Sanitary District at 5072 Benson Road, Union City, 94587. The Board Clerk is the custodian of records for all matters before the Board.

CERTIFICATION

I do hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the Board of Directors of the Union Sanitary District, in Alameda County, California, held on the ____ day of ____, 2021.

AYES:

NOES:

ABSTAIN:

ABSENT:

Attest:

PAT KITE
President, Board of Directors
Union Sanitary District

MANNY FERNANDEZ
Secretary, Board of Directors
Union Sanitary District

Figure 1: ETSU Program – Phase 1 Project Locations

Phase 1C – New Primary
Effluent Equalization

Phase 1B – New
Effluent Facilities

Phase 1A – New
Campus Building



ENVIRONMENTAL COMPLIANCE ASSESSMENT

FOR THE

UNION SANITARY DISTRICT

ETSU PHASE 1A – CAMPUS BUILDING PROJECT

August 6, 2021

ENVIRONMENTAL COMPLIANCE ASSESSMENT FOR ETSU PHASE 1A – CAMPUS BUILDING PROJECT

The Initial Study/Mitigated Negative Declaration (IS/MND) for Union Sanitary District's (USD) Enhanced Treatment and Site Upgrade (ETSU) Phase 1 Program (SCH No. 2021030219) was a program-level document for the Phase 1A-Campus Building Project based on a 30% design available at the time of document preparation.¹ Design of the Phase 1A-Campus Building Project has progressed and construction documents have been prepared for the project to be bid in the fourth quarter of 2021. The purpose of this Environmental Compliance Assessment is to determine whether any changes in the project have occurred due to the creation of the construction documents, if the environmental effects of these changes are within the scope of the Program IS/MND, and if additional environmental documents need to be prepared.

Use of the Program IS/MND Approach

The ETSU Phase 1 Program is the most immediate priority for USD's Alvarado Wastewater Treatment Plant and calls for the first phase of Secondary Treatment Process Improvements by 2027. These improvements will be made with four projects, including Phase 1A-Aeration Basin Modifications, Phase 1A-Campus Building, Phase 1B-Secondary Clarifiers and Effluent Facilities, and Phase 1C-Plant Equalization.

Section 15162 of the California Environmental Quality Act (CEQA) Guidelines sets forth the requirements for when a subsequent negative declaration should be prepared. A subsequent negative declaration is required when: (1) substantial changes are proposed in the project or with respect to the circumstances under which the project is undertaken which require major revisions due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or (2) new information of substantial importance shows the project will have significant effects not discussed or substantially more severe than in the previous negative declaration, mitigation measures found not to be feasible would be feasible and reduce significant effects, or different mitigation measures would substantially reduce significant effects on the environment. Further, Section 15168 of the California Environmental Quality Act (CEQA) Guidelines allows for preparation of a program environmental document for a series of related actions that can be characterized as one large project, such as the ETSU Phase 1 Program. Section 15168(c) of the Guidelines addresses later activities in the program and whether an additional environmental document needs to be prepared. Pursuant to Section 15168(c)(2), no new environmental document is required if the later activity is covered within the scope of the original programmatic document. For purposes of this Environmental Compliance Assessment, later activities are related to new facilities or

¹ Scheidegger & Associates. IS/MND on the ETSU Phase 1 Program. March 2021.

changes in design and use that could cause environmental effects not covered in the Program IS/MND.

IS/MND Adoption

The IS/MND for the ETSU Phase 1 Program and the Mitigation Monitoring and Reporting Program were adopted by the USD Board of Directors on May 10, 2021, through Resolution No. 2923.²

The Notice of Determination was subsequently filed with the Alameda County Clerk-Recorders Office and the State of California Office of Planning and Research. In Resolution No. 2923, the Board of Directors made the following findings and determinations:

1. The Board has reviewed and considered the draft MND, comments received during the public review period, and the District's written responses to any comments prior to acting on the project.
2. The revisions to the MND in response to comments constitute clarifying or amplifying revisions or insignificant modifications, under CEQA Guidelines Section 15073.5, and no recirculation of the MND is required.
3. The MND adequately describes the environmental impacts of the Project. On the basis of the whole record before it, the Board finds that there is no substantial evidence that the project, as mitigated, will have a significant effect on the environment.
4. The MND has been completed in compliance with CEQA and the CEQA Guidelines.
5. The MND is complete and adequate and reflects the Board's independent judgment and analysis as to the environmental effects of the Project.

Construction Documents

As indicated above, the analysis of the Phase 1A-Campus Building Project in the Program IS/MND was based on a 30% design. The construction documents were submitted to USD by Hazen and Sawyer on July 22, 2021. According to the District and the designer, the construction documents are based on the design concepts developed for the 30% design.³ The use, size, height and square footage of the new Campus Building in the construction documents remain unchanged. All building support systems including parking, landscape, hardscape, bioretention and energy recovery are also unchanged. Because no substantive changes have occurred in the design of the Phase 1A-Campus Building Project, the construction details presented in Appendix A of the

² Resolution No. 2923, Adopt the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan for the ETSU Phase 1 Program and Approve the ETSU Phase 1 Program, Adopted by the USD Board of Directors on May 10, 2021.

³ Marc Solomon, Project Manager, Hazen and Sawyer. June 22, 2021.

IS/MND remain valid. The construction details provided key information for assessing impacts and developing mitigation measures in the IS/MND.

Conclusions

Because the preparation of the construction documents for the Phase 1A-Campus Building Project has not produced any changes in the project, the design is covered within the scope of the IS/MND, the environmental evaluation in Chapter 3 of the IS/MND remains valid, no changes are necessary to the discussions of each resource category evaluated, and the findings and determinations included in Board Resolution No. 2923 remain appropriate. Further, there are no substantial changes to the project or circumstances under which the project is undertaken or new information of substantial importance that would require a subsequent negative declaration under Section 15162. Therefore, the conclusion of this Environmental Compliance Assessment is that the environmental effects of the Phase 1A-Campus Building Project as defined by the construction documents is within the scope of the Program IS/MND (SCH No. 2021030219) and no further environmental documents are required. Mitigation measures included in the IS/MND will continue to apply to the Phase 1A-Campus Building Project.

**Directors**

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**AUGUST 23, 2021
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 9**

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

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

Recommendation

Information only.

Discussion

None.

Background

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

Previous Board Action

None.

**UNION SANITARY DISTRICT
CHECK REGISTER
07/31/2021-08/13/2021**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Am
178203	8/5/2021	110	170120210728	PACIFIC GAS AND ELECTRIC	SERV TO 06/21/2021 PLANT	\$109,556.53	\$109,556.53
178262	8/12/2021	170	761520210802	PACIFIC GAS AND ELECTRIC	SERV TO 07/26/21 NEWARK PS	\$20,284.34	\$100,338.35
	8/12/2021	110	170120210730		SERV TO 07/21/2021 PLANT	\$79,392.92	
	8/12/2021	110	224720210729		SERV TO 07/22/21 CS TRAINING TRAILER	\$661.09	
178219	8/5/2021	143	900528.2	WESTERN WATER	AERATION BLOWER 11 (HIGH SPEED)	\$88,112.50	\$88,112.50
178214	8/5/2021	143	221157	TANNER PACIFIC INC	ALVARADO INFLUENT PS PUMPS AND VFDS	\$47,851.25	\$67,072.74
	8/5/2021	143	221159		AERATION BLOWER 11 & CENTRIFUGE BLDG IMPROV	\$13,340.00	
	8/5/2021	141	221158		TWIN FORCE MAIN RELOCATION - PHASE 2	\$5,881.49	
178181	8/5/2021	143	11413500	BROWN & CALDWELL CONSULTANTS	STANDBY POWER SYSTEM UPGRADE	\$22,677.14	\$60,489.39
	8/5/2021	143	11413504		PRIMARY DIGESTER NO. 7	\$37,812.25	
178207	8/5/2021	114	174700	PSOMAS CORP	AERATION BASIN MODIFICATIONS	\$25,811.55	\$25,811.55
178234	8/12/2021	173	355061	CDW GOVERNMENT LLC	MOBILE DEPLOYMENT - PHASE 3 TABLETS	\$16,187.52	\$19,912.62
	8/12/2021	173	590401		1 SWITCH	\$3,725.10	
178220	8/5/2021	143	192345	WOODARD & CURRAN INC	IRVINGTON BASIN RCP REHABILITATION	\$19,387.75	\$19,387.75
178218	8/5/2021	121	47969	WECO INDUSTRIES LLC	240 GAL SANAFOAM VAPOROOTER	\$17,942.91	\$17,942.91
178197	8/5/2021	110	9017719525	KEMIRA WATER SOLUTIONS INC	48,060 LBS FERROUS CHLORIDE	\$7,449.17	\$15,044.75
	8/5/2021	110	9017719524		47,920 LBS FERROUS CHLORIDE	\$7,595.58	

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178246	8/12/2021	121	2116039442	ICONIX WATERWORKS INC	25 MANHOLE FRAMES AND COVERS	\$12,190.22	\$13,694.98
	8/12/2021	121	2116038165		5 RISER FRAME & COVER	\$1,504.76	
178224	8/12/2021	114	20210809	ALAMEDA COUNTY WATER DISTRICT	APPLICATION FEE: CAMPUS BUILDINGS (ADMIN, FMC, OPS)	\$11,500.00	\$11,500.00
178247	8/12/2021	170	440622	KAMAN INDUSTRIAL TECHNOLOGIES	ASTD PARTS & MATERIALS	\$10,332.55	\$10,332.55
178182	8/5/2021	143	12534	CAROLLO ENGINEERS	CHERRY ST. PS	\$10,014.84	\$10,014.84
178253	8/12/2021		37432220210801	LINCOLN NATIONAL LIFE INS COMP	LIFE & DISABILITY INSURANCE - AUG 2021	\$9,729.52	\$9,729.52
178261	8/12/2021	122	53457	OWEN EQUIPMENT SALES	REPAIR HOSE REEL T3252	\$10,761.93	\$9,344.55
	8/12/2021	122	53588		CREDIT: REPAIR HOSE REEL T3252	\$-1,417.38	
178199	8/5/2021		146957	KNAPP POLLY PIG INC	1 PIG	\$8,986.43	\$8,986.43
178240	8/12/2021	130	26346	FIELDMAN ROLAPP & ASSOCIATES	FINANCIAL ADVISORY SERVICES	\$7,964.50	\$7,964.50
178249	8/12/2021	110	9017720027	KEMIRA WATER SOLUTIONS INC	48,199 LBS FERROUS CHLORIDE	\$7,412.55	\$7,412.55
178254	8/12/2021		9016	LS-NEWARK LLC	REFUND # 39867	\$7,350.00	\$7,350.00
178190	8/5/2021		201682103	GATEWAY PRODUCTS GROUP INC	16 SPARK PLUGS	\$6,800.00	\$6,800.00

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178225	8/12/2021	120	4110552320210802	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 07/30/21-MTR HYD B32896066	\$671.99	\$6,227.61
	8/12/2021	120	4110541120210802		SERV TO: 07/30/21-MTR HYD B34041338	\$717.95	
	8/12/2021	120	4110540720210802		SERV TO: 07/30/21-MTR HYD B16484398	\$717.95	
	8/12/2021	120	4110541320210802		SERV TO: 07/30/21-MTR HYD B16435275	\$860.42	
	8/12/2021	120	4110541620210802		SERV TO: 07/30/21-MTR HYD B15001102	\$667.39	
	8/12/2021	170	4047286120210804		SERV TO: 08/02/21 - PASEO PADRE	\$56.61	
	8/12/2021	120	4110541020210802		SERV TO: 07/30/21-MTR HYD B15000284	\$699.56	
	8/12/2021	120	4110552220210802		SERV TO: 07/30/21-MTR HYD B29389779	\$667.39	
	8/12/2021	120	4110540920210802		SERV TO: 07/30/21-MTR HYD B14830349	\$1,168.35	
178236	8/12/2021		99116	CORE & MAIN LP	ASTD PARTS & MATERIALS	\$5,423.19	\$5,423.19
178192	8/5/2021	130	9718394	HF&H CONSULTANTS, LLC	SEWER RATE MODELING	\$5,166.00	\$5,166.00
178251	8/12/2021		9398	LANDSEA LS-NEWARK LLC	REFUND # 39866	\$4,550.00	\$4,550.00
178242	8/12/2021		9956568605	GRAINGER INC	ASTD PARTS & MATERIALS	\$136.94	\$4,221.23
	8/12/2021		9956308135		ASTD PARTS & MATERIALS	\$121.08	
	8/12/2021		9957253900		ASTD PARTS & MATERIALS	\$3,441.46	
	8/12/2021	122	9957441455		ASTD PARTS & MATERIALS	\$67.37	
	8/12/2021	170	9956867965		ASTD PARTS & MATERIALS	\$56.87	
	8/12/2021	170	9952475540		ASTD PARTS & MATERIALS	\$59.26	
	8/12/2021	170	9953658995		ASTD PARTS & MATERIALS	\$338.25	

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178186	8/5/2021		6630	ENERGY CHOICE INC	ASTD COGEN PARTS	\$4,055.59	\$4,055.59
178204	8/5/2021	111	105989	PIIAN SYSTEMS LLC	6 5-GAL ODOR NEUTRALIZERS	\$4,028.18	\$4,028.18
178228	8/12/2021		16786656	AT&T	SERV: 06/20/21 - 07/19/21	\$23.44	\$3,830.31
	8/12/2021		16786680		SERV: 06/20/21 - 07/19/21	\$238.74	
	8/12/2021		16786658		SERV: 06/20/21 - 07/19/21	\$3,568.13	
178263	8/12/2021	120	916004625005	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - AUG 2021	\$3,423.03	\$3,423.03
178213	8/5/2021		10077	SANTOSH SONALKAR	REFUND # 39837	\$3,300.00	\$3,300.00
178256	8/12/2021		10576	MASONIC HOME FOR ADULTS	REFUND # 39868	\$3,300.00	\$3,300.00
178201	8/5/2021	170	24116227	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$131.13	\$3,211.11
	8/5/2021	170	24116243		ASTD PARTS & MATERIALS	\$779.61	
	8/5/2021	170	24117169		ASTD PARTS & MATERIALS	\$1,009.60	
	8/5/2021		24116309		ASTD PARTS & MATERIALS	\$1,290.77	
178216	8/5/2021		9884552495	VERIZON WIRELESS	WIRELESS SERV 06/21/21-07/20/21	\$3,081.91	\$3,081.91
178222	8/12/2021		69767	3T EQUIPMENT COMPANY INC	3 PIPE PATCH KITS WINTER	\$3,062.22	\$3,062.22
178260	8/12/2021		105683	MUNIQUEIP, LLC	ASTD PUMP PARTS	\$2,966.13	\$2,966.13
178183	8/5/2021	132	210514687	CLAREMONT BEHAVIORAL SERVICES	MAY 2021 EAP PREMIUMS	\$671.60	\$2,672.60
	8/5/2021	132	210714687		JUL 2021 EAP PREMIUMS	\$662.40	
	8/5/2021	132	210614687		JUN 2021 EAP PREMIUMS	\$671.60	
	8/5/2021	132	210814687		AUG 2021 EAP PREMIUMS	\$667.00	

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178223	8/12/2021	114	20210811	ALAMEDA COUNTY TREASURER	FILING FEE - CAMPUS BUILDINGS (ADMIN, FMC, OPS)	\$2,530.25	\$2,530.25
178179	8/5/2021		28176	BRANAGH INC	REFUND # 39836	\$2,500.00	\$2,500.00
178231	8/12/2021		9357	BESS TESTLAB INV	REFUND # 39871	\$2,500.00	\$2,500.00
178252	8/12/2021		10437	LENNAR HOMES - BAY AREA	REFUND # 39860	\$2,500.00	\$2,500.00
178202	8/5/2021	170	134598	NEW IMAGE LANDSCAPING CO	LANDSCAPE MAINTENANCE - FMC - JUL 2021	\$2,469.17	\$2,469.17
178212	8/5/2021		128588	SHAPE INCORPORATED	ASTD PUMP PARTS	\$2,199.50	\$2,199.50
178176	8/5/2021		16724220	AT&T	SERV: 06/10/21 - 07/09/21	\$1,013.39	\$1,962.49
	8/5/2021		16757876		SERV: 06/13/21 - 07/12/21	\$43.20	
	8/5/2021		16757874		SERV: 06/13/21 - 07/12/21	\$751.30	
	8/5/2021		16757877		SERV: 06/13/21 - 07/12/21	\$66.46	
	8/5/2021		16757878		SERV: 06/13/21 - 07/12/21	\$88.14	
178209	8/5/2021	110	21071504	S&S TRUCKING	GRIT HAULING 07/07 & 07/09/2021	\$1,871.59	\$1,871.59
178200	8/5/2021	170	61737088	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$259.08	\$1,838.81
	8/5/2021	170	62168912		ASTD PARTS & MATERIALS	\$181.07	
	8/5/2021		62186761		ASTD PARTS & MATERIALS	\$556.90	
	8/5/2021		61652572		ASTD PARTS & MATERIALS	\$158.54	
	8/5/2021		62355166		ASTD PARTS & MATERIALS	\$613.86	
	8/5/2021	171	61560416		ASTD PARTS & MATERIALS	\$69.36	
178196	8/5/2021	170	840978	KAMAN INDUSTRIAL TECHNOLOGIES	1 MOTOR	\$1,662.18	\$1,662.18

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178217	8/5/2021		8805382724	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$106.65	\$1,387.54
	8/5/2021		8805420094		LAB SUPPLIES	\$1,280.89	
178259	8/12/2021	170	2174844	MOBILE MODULAR MANAGEMENT CORP	FMC TRAILER RENTAL - AUG 2021	\$1,379.94	\$1,379.94
178269	8/12/2021	173	235639	SYN-TECH SYSTEMS INC	ANNUAL MAINTENANCE FOR FUELMASTER	\$1,275.00	\$1,275.00
178244	8/12/2021	123	2267051	HANSON AGGREGATES INC	6.02 TONS 1/2 MAX HMA TYPE A-R	\$508.53	\$1,271.74
	8/12/2021	123	2264948		9.1 TONS 1/2 MAX HMA TYPE A-R	\$763.21	
178221	8/11/2021		20210811	SHAMSUL ARUOBI	THIRD PARTY CLAIM	\$1,088.75	\$1,088.75
178174	8/5/2021	170	9981083965	AIRGAS NCN	CYLINDER RENTAL	\$1,024.67	\$1,024.67
178195	8/5/2021		29230	IPERMIT	REFUND # 39834	\$1,000.00	\$1,000.00
178229	8/12/2021	136	2522389393	BANK OF NEW YORK	MAY 2021 SERVICE FEES	\$999.21	\$999.21
178250	8/12/2021	173	202107131142	KWIZCOM CORPORATION	CALENDAR PLUS WEB PART ANNUAL SUBSCRIPTION	\$966.00	\$966.00
178268	8/12/2021		733362984601	STAPLES CONTRACT & COMMERCIAL	JANITORIAL & BREAKROOM SUPPLIES	\$832.39	\$946.51
	8/12/2021		733362984602		JANITORIAL & BREAKROOM SUPPLIES	\$114.12	
178206	8/5/2021	170	580	PRIME MECHANICAL SERVICE INC	MONTHLY MAINTENANCE - JUN 21	\$945.00	\$945.00
178177	8/5/2021		1445353608	AT&T	SERV: 06/11/21 - 07/10/21	\$882.85	\$882.85
178235	8/12/2021	150	87679	CITYLEAF INC	PLANT MAINTENANCE - JAN 2021	\$431.86	\$863.72
	8/12/2021	150	88044		PLANT MAINTENANCE - FEB 2021	\$431.86	
178265	8/12/2021	110	21072037	S&S TRUCKING	GRIT HAULING 07/14/2021	\$860.15	\$860.15
178187	8/5/2021		29278	ER PLUMBING & CONSTRUCTION	REFUND # 39850	\$850.00	\$850.00

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178211	8/5/2021		2029197003	SAN LEANDRO ELECTRIC SUPPLY	ASTD ELECTRICAL SUPPLIES	\$749.56	\$749.56
178270	8/12/2021		20480333	TELEDYNE ISCO INC	SAMPLING SUPPLIES	\$714.34	\$714.34
178257	8/12/2021	111	148951	MAZZEI INJECTOR	12 EA INJECTORS	\$665.79	\$665.79
178233	8/12/2021	170	20210810	STATE OF CALIFORNIA	HAZARDOUS WASTE PROGRAM MANIFEST FEES	\$660.00	\$660.00
178184	8/5/2021	132	210214687	CLAREMONT BEHAVIORAL SERVICES	FEB 2021 EAP PREMIUMS	\$657.80	\$657.80
178227	8/12/2021		1102575038	ARAMARK	UNIFORM LAUNDERING SERVICE	\$345.81	\$653.39
	8/12/2021		1102575029		UNIFORM LAUNDERING & RUGS	\$260.26	
	8/12/2021		1102575013		ASTD DUST MOPS, WET MOPS & TERRY	\$47.32	
178272	8/12/2021		8805450109	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$263.48	\$653.14
	8/12/2021		8805423936		LAB SUPPLIES	\$389.66	
178175	8/5/2021		1102571506	ARAMARK	UNIFORM LAUNDERING & RUGS	\$261.76	\$613.57
	8/5/2021		1102571518		UNIFORM LAUNDERING SERVICE	\$351.81	
178241	8/12/2021	110	20210809	MICHAEL FULKERSON	EXP REIMB: WW TECHNOLOGY CLASS	\$550.00	\$550.00
178178	8/5/2021	130	16276330	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$112.48	\$544.19
	8/5/2021	170	16273900		ASTD OFFICE SUPPLIES	\$16.45	
	8/5/2021	120	16262770		1 INK CARTRIDGE	\$415.26	
178185	8/5/2021		29267	JOHN DONER	REFUND # 39841	\$500.00	\$500.00
178193	8/5/2021		28198	QUAZI HOSSAIN	REFUND # 39840	\$500.00	\$500.00
178226	8/12/2021	143	1707873	ALLIANT INSURANCE SERVICES INC	BUILDERS RISK: CALCIUM THIOSULFATE CHEMICAL TANK 6/28/21 - 8/31/21	\$500.00	\$500.00

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178239	8/12/2021		15796	DONE RIGHT REMODELING INC	REFUND # 39870	\$500.00	\$500.00
178267	8/12/2021		29249	SMART PLUMBERS INC	REFUND # 39859	\$500.00	\$500.00
178273	8/12/2021		29285	WESTCOAST PLUMBING SERVICE INC	REFUND # 39858	\$500.00	\$500.00
178243	8/12/2021	110	20210810	TIMOTHY GRILLO	EXP REIMB: FLOWERS - M. COSTELLO	\$101.43	\$464.43
	8/12/2021	110	20210810.1		EXP REIMB: WEF AND CWEA MEMBERSHIP RENEWAL	\$363.00	
178266	8/12/2021	173	2593	SHARESQUARED INC	PORTAL MIGRATION TO SHAREPOINT ONLINE	\$462.50	\$462.50
178238	8/12/2021	121	20210806	MANUEL DEL TORO	TRAVEL RIEMB: CWEA CONF PER DIEM/LODGING	\$460.53	\$460.53
178208	8/5/2021	122	8201101238	RED WING BUS ADVANTAGE ACCT	SAFETY SHOES: C. FERNANDEZ	\$182.95	\$390.95
	8/5/2021	114	8201101802		SAFETY SHOES: G. CARRILLO	\$208.00	
178232	8/12/2021	144	16283430	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$105.80	\$358.71
	8/12/2021	170	16273901		ASTD OFFICE SUPPLIES	\$12.96	
	8/12/2021	130	16285120		ASTD OFFICE SUPPLIES	\$42.27	
	8/12/2021	130	16290530		ASTD OFFICE SUPPLIES	\$197.68	
178230	8/12/2021		23701	BAY AREA BARRICADE SERVICE INC	6 MARKING PAINT	\$342.66	\$342.66
178237	8/12/2021	173	82084525	CORELOGIC INFORMATION SOLUTION	METROSCAN ONLINE SERVICE	\$339.90	\$339.90
178258	8/12/2021	170	62577655	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$226.59	\$337.90
	8/12/2021	170	62558748		ASTD PARTS & MATERIALS	\$111.31	
178205	8/5/2021		168152	PREFERRED ALLIANCE INC	JUNE 2021 SERVICE FEE	\$318.57	\$318.57
178255	8/12/2021		5135238	MALLORY SAFETY AND SUPPLY LLC	20 BX GLOVES	\$287.95	\$287.95

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178264	8/12/2021		3972152001	S & S SUPPLIES & SOLUTIONS	100 SWEAT BANDS	\$267.49	\$267.49
178194	8/5/2021	173	6051429	INTRADO LIFE & SAFETY INC	E911 CLOUD SERVICE	\$250.00	\$250.00
178189	8/5/2021	113	3054241	FISHER SCIENTIFIC	LAB SUPPLIES	\$230.28	\$230.28
178191	8/5/2021	111	9950947144	GRAINGER INC	ASTD PARTS & MATERIALS	\$78.62	\$229.61
	8/5/2021		9950285842		ASTD PARTS & MATERIALS	\$150.99	
	8/5/2021	122	9950240276		1 AIR COMPRESSOR	\$445.72	
	8/5/2021	122	9964541958		CREDIT: 1 AIR COMPRESSOR	\$-445.72	
178245	8/12/2021		768520210728	HOME DEPOT CREDIT SERVICES	MONTHLY HARDWARE STMT - JUL 2021	\$193.08	\$193.08
178248	8/12/2021	170	959668	KAMAN INDUSTRIAL TECHNOLOGIES	1 SHEAVE	\$169.05	\$169.05
178188	8/5/2021	110	20210803	MOHAMMAD FARSAI	EXP REIMB: TPO SAFETY RECOGNITION	\$157.98	\$157.98
178180	8/5/2021	130	20210804	LAURIE BRENNER	EXP REIMB: ASQ RECERTIFICATION FEE	\$110.00	\$110.00
178198	8/5/2021	170	374742	KLEEN BLAST ABRASIVES	BLASTING MATERIALS	\$80.47	\$80.47
178210	8/5/2021	170	85340220210722	SAN FRANCISCO WATER DEPT	SERVICE 06/19/2021 - 07/21/21	\$73.47	\$73.47
178271	8/12/2021	136	98XW53291	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 07/17/21	\$14.94	\$14.94
178215	8/5/2021	136	98XW53281	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 07/10/21	\$10.28	\$10.28

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Invoices:				Checks:			
Credit Memos :			2	-1,863.10			
\$0 - \$1,000 :			99	38,283.63	\$0 - \$1,000 :	47	23,325.97
\$1,000 - \$10,000 :			41	152,528.99	\$1,000 - \$10,000 :	39	149,568.29
\$10,000 - \$100,000 :			16	443,599.67	\$10,000 - \$100,000 :	12	359,316.58
Over \$100,000 :			1	109,556.53	Over \$100,000 :	2	209,894.88
Total:			159	742,105.72	Total:	100	742,105.72

Napa County recycled water used at record levels amid drought

[Barry Eberling](#) Aug 14, 2021

Napa Valley Country Club golf course is lush and green, thanks to the purple pipe.

A two-year drought is helping to boost Napa County's recycled water use to record levels. The Napa Sanitation District wastewater treatment plant provides enough non-potable irrigation water annually to fill St. Helena's Bell Canyon reservoir and more.

Napa Valley Country Club in rural Coombsville started piping water from the plant six miles away in late 2015. That allows it to depend less on a well in an area where groundwater levels have long been a concern.

"We don't push our well very hard at all," Napa Valley Country Club General Manager Ari Kreisler said. "We try to focus on recycled water as much as we can."

Recycled water allows Napa Valley Country Club to stay green without guilt even as some golf courses in the state have let areas go brown. It used 159-acre feet of recycled water last year, enough to fill 78 Olympic-size swimming pools.

"It's a game-changer for us —100%," Kreisler said.

Creating recycled water from wastewater in Napa County are NapaSan, American Canyon, Calistoga and Yountville. NapaSan is by far the leader, producing about 3,700-acre feet annually and maintaining 27 miles of purple pipe.

The pipes that deliver recycled water are in fact purple, a deliberate color choice to let people know the pipeline carries non-potable recycled water rather than regular drinking water.

NapaSan about a decade ago launched a drive to increase recycled water use, adding 15 miles of pipe at a cost of \$37 million and making \$15 million in treatment plant upgrades. With the drought kicking in, the move is benefitting golf courses, vineyards and other users.

“We’re glad we have the water available to serve our customers,” NapaSan General Manager Tim Healy said.

But even recycled water supplies aren’t immune to drought. Increased water conservation and less groundwater seeping into sewer pipes from big rains mean less water to recycle.

“We’ve always said recycled water is drought-resistant; it’s not drought-proof,” Healy said.

NapaSan has met recycled water demands. The future has some question marks, especially if the city of Napa someday taps into recycled water to boost drinking water supplies.

One thing seems clear: droughts make NapaSan’s recycled water an even hotter commodity.

Liquid gold

For a commodity that seems like liquid gold these days, NapaSan recycled water has a humble beginning.

It starts out in the toilets and sinks of homes and businesses in the city of Napa. Sewage that reaches the wastewater treatment plant near Napa County Airport is cleaned to meet state standards for non-potable uses such as irrigation, though not for drinking.

Recycled water-only pipes serve farms, homes and businesses in the rural Coombsville and Carneros areas, in the airport industrial area and near Jameson Canyon. Two filling stations allow water to be loaded into trucks to be hauled to vineyards and farms distant from the pipes.

Customers in 2020 used 3,050-acre feet. Of that, 42.5% went to golf courses, 30.8% to vineyards, 13.2% to commercial landscaping, 5.1% to NapaSan uses, 3.9% to cemeteries, 2.3% to industry/fire suppression, 1.6% to schools and 0.6% to parks.

“This year, we’re ahead of that pace,” Healy said.

During June of 2020, the district provided 140 million gallons of recycled water. That grew to 210 gallons this year, in part because of higher use for vineyards, a district report said.

Customers came forward even during the winter because of the scarcity of rain. For example, Healy said, grape growers in the Carneros region who usually fill their small reservoirs with creek water turned to recycled water.

Demand for NapaSan recycled water has steadily grown over the years, from just over 1,000-acre feet in 2012 to about 2,000-acre feet in 2018 to about 3,000-acre feet last year. All of that is within that 3,700-acre-foot annual dry weather capacity.

Customers pay \$1.93 per 1,000 gallons for recycled water during the dry season, not counting piping or trucking costs. NapaSan passed the milestone in 2020 of producing more recycled water than water it discharges into Napa River.

The question is whether recycled water supplies can keep up with future demand in the decades to come, especially if droughts intensify. The district is updating its wastewater master plan and that should help provide the answers.

Recycled water by cities

Most of the NapaSan recycled water originates as city of Napa sewage. Yet recycled water lines from the water treatment plant only brush the city.

One line extends past Napa Valley Commons to Imola Avenue and east into rural Coombsville, where groundwater is a concern. Another crosses under the Napa River and to the rural Carneros wine country. That allows for only limited city use.

There are customers in the southern city, such as the Kennedy Park ballfields, Napa Valley Commons and portions of Napa Valley College and the Gasser area, city Deputy

Utilities Director Joy Eldredge said. The Carneros line will serve the under-construction Stanly Ranch development.

But the heart of the city has no recycled water lines, which must be kept separate from potable water lines. Landscapes there are irrigated with drinking water.

“It’s extremely expensive to build new systems, as far as new pipelines going out,” Eldredge said.

There’s another way the city could tap into recycled water: blend it with drinking water for delivery to city taps. The city and NapaSan plan to study the possibility.

Critics of the concept have arisen in the past in places such as San Diego and Los Angeles. “Toilet to tap” has been their rallying cry, playing on a yuck factor to try to build opposition.

Eldredge prefers another name to “toilet-to-tap.”

“Today, it’s called ‘pure water.’ It basically means it really has been purified,” Eldredge said.

One possibility is to bring recycled water to the city’s water treatment plant in Jameson Canyon to be treated to higher standards. Another is to do additional treatment at the NapaSan plant and then inject the water into a nearby city water line.

California doesn’t allow for the use of recycled water in this way, at least, not yet. Eldredge expects state regulations to change in the coming years. San Diego is poised to build a “pure water” system, with the city saying proven technology can turn recycled water into reliable, safe drinking water.

NapaSan isn't Napa County's only producer of recycled water.

American Canyon produces recycled water at its wastewater treatment plant near the wetlands. That water is used for irrigation within the city, though many of the planned lines have yet to be built.

In 2019, the city delivered 282-acre feet of recycled water, enough to fill 139 Olympic swimming pools. Its plant has the capacity to produce 1,000-acre feet annually, according to city reports.

Customers included the Walmart Highway 29 frontage, the west American Canyon Road streetscape, a number of city parks and various construction projects. The planned, 1,000-home Watson Ranch community is to use 250 acre-feet annually for commercial and public landscaping.

In addition, the city makes recycled water available to residents for their own irrigation use. As of late July, 133 people had signed up to pick up water from city fill stations.

But some people said they aren't strong enough to lift the city-approved containers at the fill stations into their vehicles, Maintenance and Utilities Director Felix Hernandez told the American Canyon City Council on July 20. In response, the city is launching residential deliveries and 33 people signed up.

Calistoga in 2018 produced 541-acre feet of recycled water and reused 60% of its wastewater flows, according to the 2020 Countywide Water and Wastewater Municipal Service Review. It delivered recycled water to 15 customers.

Yountville in 2018 produced 382-acre feet of recycled water for the Vintner's Golf Course and six rural vineyards — Chimney Rock, Regusci, Stag's Leap Wine Cellars, Clos du Val, Mondavi/Wappo Hill and Beringer. It reused about 93% of its treated wastewater, the study said.