



BOARD MEETING AGENDA
Monday, August 28, 2017
Regular Meeting - 7:00 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

1. Call to Order.

2. Pledge of Allegiance.

3. Roll Call.

- Motion 4. Approve Minutes of the Meeting of August 14, 2017.

- Motion 5. Approve Minutes of the Meeting of August 15, 2017.

- Information 6. Monthly Operations Report for July 2017 *(to be reviewed by the Budget & Finance and Legal/Community Affairs Committees)*.

7. Written Communications.

8. Oral Communications.

The public may provide oral comments at regular and special Board meetings; however, whenever possible, written statements are preferred (to be received at the Union Sanitary District office at least one working day prior to the meeting). This portion of the agenda is where a member of the public may address and ask questions of the Board relating to any matter within the Board's jurisdiction that is not on the agenda. If the subject relates to an agenda item, the speaker should address the Board at the time the item is considered. Oral comments are limited to three minutes per individuals, with a maximum of 30 minutes per subject. Speaker's cards will be available in the Boardroom and are to be completed prior to discussion.
- Information 9. Receive Fats, Oils, and Grease (FOG) Public Outreach Campaign Update *(to be reviewed by the Legal/Community Affairs Committee)*.

- Information 10. Status of Priority 1 Capital Improvement Program Projects *(to be reviewed by the Engineering and Information Technology Committee)*.

- Information 11. Fourth Quarterly Report on the Capital Improvement Program for FY 17 *(to be reviewed by the Engineering and Information Technology Committee)*.

- Information 12. Check Register.

- Information 13. Committee Meeting Reports. *(No Board action is taken at Committee meetings):*
 - a. Engineering and Information Technology Committee – Thursday, August 24, 2017, at 9:15 a.m.
 - Director Fernandez and Director Kite
 - b. Legal/Community Affairs Committee – Thursday, August 24, 2017, at 1:30 p.m.
 - Director Fernandez and Director Lathi

- c. Budget & Finance Committee – Friday, August 25, 2017, at 11:00 a.m.
 - Director Handley and Director Toy
- d. Personnel Committee – will not meet.
- e. Audit Committee – will not meet.
- f. Legislative Committee – will not meet.

Information

-
- 14. General Manager’s Report. (*Information on recent issues of interest to the Board*).
-
- 15. Other Business:
 - a. Comments and questions. *Directors can share information relating to District business and are welcome to request information from staff.*
 - b. Scheduling matters for future consideration.
-
- 16. Adjournment – The Board will adjourn to the next Regular Meeting in the Boardroom on Monday, September 11, 2017, at 7:00 p.m.

The Public may provide oral comments at regular and special Board meetings; however, whenever possible, written statements are preferred (to be received at the Union Sanitary District at least one working day prior to the meeting).
If the subject relates to an agenda item, the speaker should address the Board at the time the item is considered. If the subject is within the Board’s jurisdiction but not on the agenda, the speaker will be heard at the time “Oral Communications” is calendared. Oral comments are limited to three minutes per individual, with a maximum of 30 minutes per subject. Speaker’s cards will be available in the Boardroom and are to be completed prior to discussion of the agenda item.

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. THE PUBLIC IS INVITED TO ATTEND



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

**ENGINEERING & INFORMATION TECHNOLOGY
COMMITTEE MEETING**
Committee Members: Director Fernandez and Director Kite

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

AGENDA
Thursday, August 24, 2017
9:15 A.M.

Karen W. Murphy
Attorney

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

**THIS MEETING WILL BE TELECONFERENCED WITH DIRECTOR KITE FROM THE EXTERIOR OF
35040 NEWARK BOULEVARD, NEWARK, CALIFORNIA.**

1. Call to Order

2. Roll Call

3. Public Comment

4. Items to be reviewed for the Board meeting of August 28, 2017:
 - Status of Priority 1 Capital Improvement Program Projects
 - Fourth Quarterly Report on the Capital Improvement Program for FY 17

5. Adjournment

Items reviewed at committee meetings will be included in the agenda packet for the upcoming Board meeting. No action will be taken at committee meetings. The Public may provide oral comments at regular and special Board meetings; however, whenever possible, written statements are preferred (to be received at the Union Sanitary District at least one working day prior to the meeting). If the subject relates to an agenda item, the speaker should address the Board at the time the item is considered. If the subject is within the Board's jurisdiction but not on the agenda, the speaker will be heard at the time "Public Comment" is calendared. Oral comments are limited to three minutes per individual, with a maximum of 30 minutes per subject. Speaker's cards will be available and are to be completed prior to discussion of the agenda item.

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THE PUBLIC IS INVITED TO ATTEND



LEGAL/COMMUNITY AFFAIRS COMMITTEE MEETING
Committee Members: Director Fernandez and Director Lathi

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

AGENDA
Thursday, August 24, 2017
1:30 p.m.

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

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

Karen W. Murphy
Attorney

1. Call to Order

2. Roll Call

3. Public Comment

4. Items to be reviewed for the Board meeting of August 28, 2017:
 - Monthly Operations Report for July 2017 – Odor Report and Work Group Reports
 - Receive Fats, Oils, and Grease (FOG) Public Outreach Update and Provide Direction_____
5. Adjournment

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

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If the subject relates to an agenda item, the speaker should address the Board at the time the item is considered. If the subject is within the Board's jurisdiction but not on the agenda, the speaker will be heard at the time "Public Comment" is calendared. Oral comments are limited to three minutes per individual, with a maximum of 30 minutes per subject. Speaker's cards will be available and are to be completed prior to discussion of the agenda item.

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THE PUBLIC IS INVITED TO ATTEND



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

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

AGENDA
Friday, August 25, 2017
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

THIS MEETING WILL BE TELECONFERENCED WITH DIRECTOR HANDLEY FROM 43225 MISSION BOULEVARD, FREMONT, CALIFORNIA. THIS MEETING WILL ALSO BE TELECONFERENCED WITH DIRECTOR TOY FROM OHLONE COLLEGE PARKING LOT W, 43600 MISSION BOULEVARD, FREMONT, CALIFORNIA.

THE TELECONFERENCE LOCATIONS SHALL BE ACCESSIBLE TO THE PUBLIC.

1. Call to Order

2. Roll Call

3. Public Comment

4. Items to be reviewed for the Board meeting of August 28, 2017:
 - July 2017 Monthly Operations Report - Financial Reports

5. Adjournment

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

The Public may provide oral comments at regular and special Board meetings; however, whenever possible, written statements are preferred (to be received at the Union Sanitary District at least one working day prior to the meeting).

If the subject relates to an agenda item, the speaker should address the Board at the time the item is considered. If the subject is within the Board's jurisdiction but not on the agenda, the speaker will be heard at the time "Public Comment" is calendared. Oral comments are limited to three minutes per individual, with a maximum of 30 minutes per subject. Speaker's cards will be available and are to be completed prior to discussion of the agenda item.

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THE PUBLIC IS INVITED TO ATTEND

**MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
August 14, 2017**

CALL TO ORDER

President Kite called the meeting to order at 7:00 p.m.

PLEDGE OF ALLEGIANCE

ROLL CALL

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

STAFF: Paul Eldredge, General Manager
Karen Murphy, District Counsel
Sami Ghossain, Technical Services Manager
James Schofield, Collection Services Manager
Robert Simonich, Fabrication, Maintenance, and Construction Manager
Armando Lopez, Treatment & Disposal Services Manager
Laurie Brenner, Business Services Team Coach
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

VISITOR: Alice Johnson, League of Women Voters

APPROVAL OF THE MINUTES OF THE SPECIAL MEETING OF JULY 11, 2017

It was moved by Vice President Lathi, seconded by Director Toy, to approve the Minutes of the Special Meeting of July 11, 2017. Motion carried unanimously.

APPROVAL OF THE MINUTES OF THE MEETING OF JULY 24, 2017

It was moved by Director Toy, seconded by Secretary Fernandez to approve the Minutes of the Meeting of July 24, 2017. Motion carried unanimously.

WRITTEN COMMUNICATIONS

There were no written communications.

ORAL COMMUNICATIONS

There were no oral communications.

FORCE MAIN RELOCATION AT THE TORIAN PROPERTY DEVELOPMENT IN NEWARK A) INFORMATIONAL UPDATE B) CONSIDER A RESOLUTION TO APPROVE PIPELINE RELOCATION AGREEMENT WITH WILLIAM LYON HOMES

This item was pulled from the agenda due to concerns expressed by the City of Newark and FMC Corporation after the August 14, 2017, Board meeting packet was published.

INFORMATION ITEMS:

June 2017 Monthly Financial Reports

This item was reviewed by the Budget & Finance Committee. Business Services Coach Brenner provided an overview of the June 30, 2017, Budget and Finance Report, and stated the District's emergency fund had been fully funded.

Director Handley inquired about increasing the District's emergency fund. General Manager Eldredge stated staff will present options to the Board at a future meeting.

Board Expenditures for the 4th Quarter of Fiscal Year 2017

This item was reviewed by the Budget & Finance Committee. Business Services Coach Brenner stated staff will include only the travel and training expenditure summary report in the future per previous Board direction.

Report on the East Bay Dischargers Authority (EBDA) Meeting of July 20, 2017

Director Toy provided an overview of the EBDA meeting minutes included in the Board meeting packet.

Cal-Card Quarterly Activity Report

This item was reviewed by the Budget & Finance Committee. Business Services Coach Brenner stated the CAL-Card Merchant Spend Analysis, included in the Board meeting packet, covers transactions from the 4th quarter of Fiscal Year 2017. There were 333 transactions totaling \$93,820.64 between April 23 and June 22, 2017. Business Services Coach Brenner stated the CAL-Card report is prepared and sent to the District, and staff are exploring options for providing the additional detail for a section of the transactions as requested by the Board at the regular meeting held May 8, 2017.

Check Register

All questions were answered to the Board's satisfaction.

Review and Provide Feedback on USD Video and Virtual Plant Tour

General Manager Eldredge played the video for the Board and requested feedback. The Board provided comments to staff regarding the video.

Alice Johnson stated the narration and video footage was fast and could be hard to follow, and suggested the video include a reference to "the 4 p's" that are the only things that should be flushed.

General Manager Eldredge, summarizing Board comments, stated staff will contact the video production company to obtain a quote for slowing down the narration and video speed, creating slower transitions between scenes, adding a short explanatory cartoon

at the beginning of the video, adding a reference to the “4 p’s”, and adding a FOG component.

COMMITTEE MEETING REPORTS:

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

GENERAL MANAGER’S REPORT:

General Manager Eldredge reported the following:

- The Business Services Manager/Certified Financial Officer recruitment was opened and is scheduled to close September 8, 2017
- The Strategic Planning Board Workshop will be held in the Boardroom on Tuesday, August 15, 2017, at 6:00 p.m.
- General Manager Eldredge, Technical Services Manager Ghossain, and Communications and Intergovernmental Relations Coordinator Powell will be attending the California Association of Sanitation Agencies Annual Conference the week of August 21, and will be participating in committee meetings via conference.

OTHER BUSINESS

There was no other business.

ADJOURNMENT:

The meeting was adjourned at 7:58 p.m. to the Special Meeting Board Workshop in the Boardroom on Tuesday, August 15, 2017, at 6:00 p.m.

The Board will then adjourn to the next Regular Board Meeting in the Boardroom on Monday, August 28, 2017, at 7:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

MANNY FERNANDEZ
SECRETARY

APPROVED:

PAT KITE
PRESIDENT

Adopted this 28th day of August 2017

**MINUTES OF THE SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
August 15, 2017**

CALL TO ORDER

President Kite called the special meeting to order at 6:00 p.m.

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
Laurie Brenner, Business Services Coach

PUBLIC COMMENT

There was no public comment.

BOARD WORKSHOP

General Manager Eldredge and Business Services Coach Brenner presented information regarding strategic planning.

ADJOURNMENT:

The special meeting was adjourned at approximately 7:30 p.m. to the next Regular Board Meeting in the Boardroom on Monday, August 28, 2017, at 7:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

MANNY FERNANDEZ
SECRETARY

APPROVED:

PAT KITE
PRESIDENT

Adopted this 28th day of August, 2017



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

DATE: August 21, 2017

MEMO TO: Board of Directors - Union Sanitary District

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

SUBJECT: Agenda Item No. 6 - Meeting of August 28, 2017
Information Item: **Monthly Operations Report for July 2017**

Background

Attached are Monthly Operations Reports for July 2017. Staff is available to answer questions regarding information contained in the report.

Work Group Managers

General Manager/Administration	Paul Eldredge	GM
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:

There was one odor complaint received by the collection system. Details regarding the complaint are included in the July 2017 Odor Report in the Board meeting packet.

SAFETY:

- Three employees declined medical attention after having minor injuries. One got a splinter in their hand. The second twisted their wrist with an electric drill and the third received a spider bite while in a vault.
- We received an injury report for repetitive strain of the employee's wrists caused by computer use. The employee is still on full duty.
- We have been addressing safety and security concerns at the old Newark treatment plant while employees are working there.
- We had two treatment plant shut downs for cleaning of CB1 and contractor work. This involved four work groups and contractors. Everyone worked together and accomplished the tasks without any injuries or incidents.

STAFFING & PERSONNEL:**Recruitments Opened:**

- Lab Director

Continuing Recruitments:

- Accounting and Financial Analyst II (replaced Sr. Accounting and Financial Analyst)
- Janitor
- Technical Writer Intern
- Organization Performance Program Manager
- PO III Trainee
- Customer Service Fee Analyst (2)
- Limited Term Construction Inspector
- Business Services Manager/CFO

Completed Recruitments Resulting in Promotions:

- 8th Conditional Lead for CS – Anthony Dejesus promoted 7/22/17
- Interim Lab Director – John Seo promoted 7/27/17

Other Completed Recruitments:

- Painter – Gustavo Oseguera – DOH 7/10/17
- HR Manager – Gene Boucher – DOH 7/17/17
- Temporary Lab Analyst – Anthony Luu – DOH 7/17/17

Other Accomplishments:

- Emergency Preparedness Training

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

- Attended Plant Master Plan #1 Board Workshop
- Attended the Bay Area Biosolids Coalition Meeting
- Provided a District update presentation to the Fremont City Council
- Attended the East Bay Dischargers Authority Managers Advisory Committee meeting
- Attended the East Bay Dischargers Authority meeting
- Attended numerous meetings regarding:
 - Force Main Relocation
 - Cogen Engine #1
- Attended meeting with IBank California on alternative funding options.
- Interviewed recruitment firms for the BS WGM/CFO vacancy.

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



ODOR REPORT July 2017

Treatment Plant (Union City)

During the recording period from July 01, 2017 through July 31, 2017, there was one odor related service request received by the Treatment Plant.

1. **Complaint Details:**

Date: 7/19/2017

Time: 10:23 pm

Location: MACKINAW ST

Reported By: Sam Dua

Wind (from): West

Wind Speed: 6 mph

Temperature: 60 Degrees F

Weather: Windy

Tide Information:

High Tide Reading: 6.9 Ft/Time

Low Tide Reading: 0.0 Ft/Time

High Tide Time: 9:42 PM

Low Tide Time: 5:09 AM

Response and Follow-up:

- *USD Staff dispatched to complaint location?* No
- *Was any odor detected at the complaint location?* N/A
 - *If yes, was odor attributed to USD?* N/A
- *Were any odors detected at the Plant?* Yes
 - *If yes, what odors were found?* Strong odor from headworks dumpster could be detected faintly at east fence line.
- *Additional Information:* Deodorizing granules added to the rag bin which eliminated the odor.



Legend

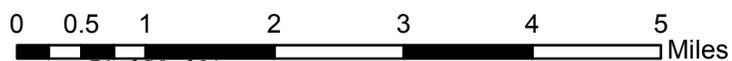
Odor Complaints: July 2017

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

Odor Complaints: August 2016 to June 2017

- ★ Odor found, USD resolved (3)
- Odor found, not related to USD (6)
- ▲ No odor found (15)

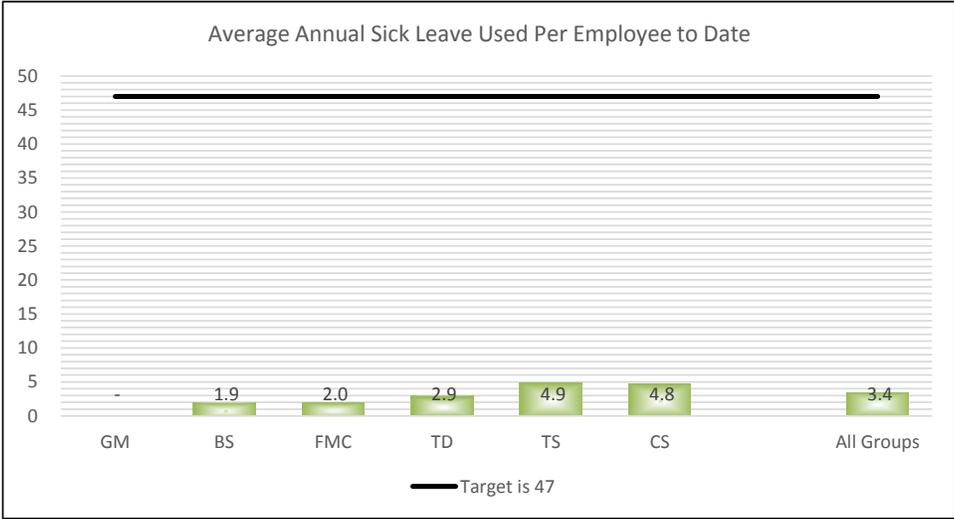
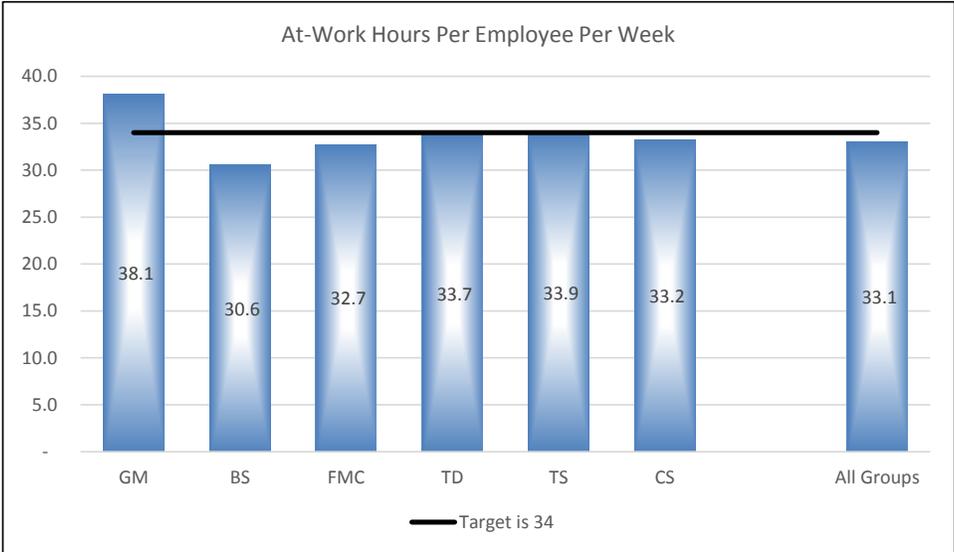
**Location of Odor Reports
August 2016 to July 2017**



HOURS WORKED AND LEAVE TIME BY WORK GROUP

June 29, 2017 through July 26, 2017

Weeks to Date: 4 out of 52 (7.69%)



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, FLEX, Funeral, Jury Duty, Military, OT Banked Use, Paid Admin., SLIP, 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.

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 29, 2017 through July 26, 2017

Weeks to Date: 4 out of 52 (7.69%)

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	FY17		
		Regular (1)	Overtime (2)		Discretionary (3)	Short Term Disability	Workers Comp	Sick (4)		Average Number of Employees	At-Work Hours Per Week Per Employee	Annual Sick Leave Used
GM	2	296.00	8.50	38.1	24.00	-	-	-	0.0	2	35.7	34.6
BS	21	2,561.25	6.08	30.6	510.50	-	-	40.50	1.9	21	34.2	33.5
FMC	23	2,937.50	74.42	32.7	616.50	-	-	46.00	2.0	23	34.2	48.4
TD	26	3,428.33	78.50	33.7	668.00	44.20	-	75.47	2.9	27	34.7	39.1
TS	31	4,168.50	38.08	33.9	718.25	81.32	-	151.93	4.9	32	34.9	47.3
CS	30	3,759.75	229.63	33.2	894.25	5.93	-	143.82	4.8	31	34.1	77.6
All Groups	133	17,151.33	435.21	33.1	3,431.50	131.45	-	457.72	3.4	136	35.1	44.5

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.

(2) Overtime hours includes call outs.

(3) Discretionary Leave includes Vacation, HEC, Holiday, MAL, FLEX, Funeral, Jury Duty, Military, OT Banked Use, Paid Admin., SLIP, 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.

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 2018

Year-to-date as of 07/31/17

8% of year elapsed

Revenues

	Budget	Actual	% of Budget Rec'd	Unaudited Last Year Actuals 6/30/17
Capacity Fees	\$7,910,000	\$744,121	9%	\$7,233,337
Sewer Service Charges	54,913,920	8,248	0%	50,112,564
Operating (Work Groups)	1,300,000	157,331	12%	1,233,675
Interest	625,000	79,228	13%	496,439
Misc. (LAVWMA pymnt, solar, Cogen rebates)	361,500	1,400	0%	408,913
Subtotal Revenues	\$65,110,420	\$990,327	2%	\$59,484,928
SRF Loan Proceeds (Thickener Proj.)	0		#DIV/0!	3,385,590
Total Revenues + SRF Proceeds	\$65,110,420	\$990,327	2%	\$62,870,518

Expenses

	Budget	Actual	% of Budget Used	Last Year Actuals
Capital Improvement Program:				
Capacity Proj.	\$6,660,000	\$4,773	0%	\$3,009,426
Renewal & Repl. Proj.	3,420,000	6,708	0%	8,494,486
Operating	36,816,878	2,365,076	6%	31,895,499
Special Projects	1,873,523	27,438	1%	707,526
Retiree Medical (ARC)	602,009	0	0%	561,205
Vehicle & Equipment	1,139,555	0	0%	341,967
Information Systems	600,100	55,451	9%	854,511
Plant & Pump Stat. R&R	250,000	0	0%	272,479
Emerg. Fund (Sinkhole)	0	0	0%	2,208,595
Pretreatment Fund	5,000	0	0%	29,249
Cty Fee for SSC Admin.	107,000	0	0%	105,866
Debt Servicing:				
SRF Loans	3,880,441	284,275	7%	3,127,110
Total Expenses	\$55,354,506	\$2,743,722	5%	\$51,607,919
Total Revenue & Proceeds less Expenses	\$9,755,914	(\$1,753,395)		\$11,262,599

Operating (Work Group) Expenses

	Budget	Actual	% of Budget Used	Last Year Actuals
Board of Directors	\$176,093	\$11,148	6%	\$133,294
General Manager/Admin.	1,082,884	54,650	5%	884,051
Business Services	5,023,943	292,237	6%	4,772,324
Collection Services	6,551,768	457,494	7%	5,873,909
Technical Services	5,995,655	459,148	8%	5,156,725
Treatment & Disposal Services	11,122,285	576,230	5%	9,506,339
Fabrication, Maint. & Construction	6,277,170	432,430	7%	5,568,856
Non-Departmental	587,080	81,740	14%	5,568,856
Total	\$36,816,878	\$2,365,076	6%	\$37,464,355

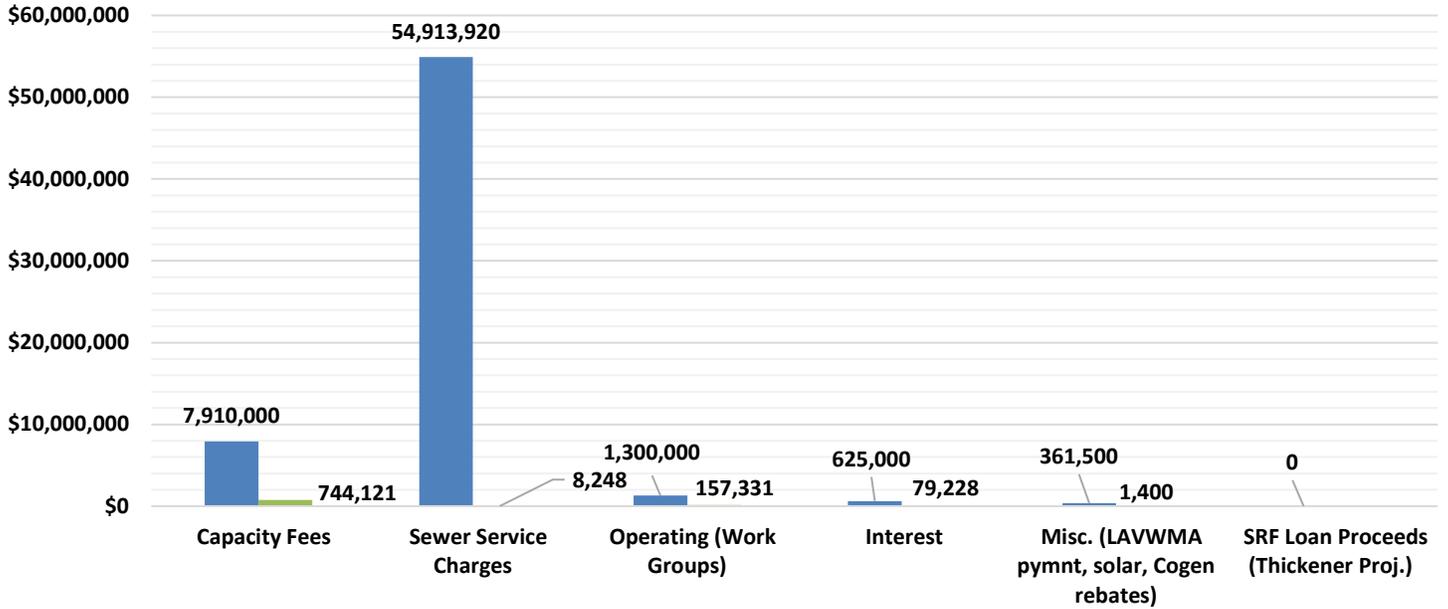
Operating (Work Group) Expenses by Type

	Budget	Actual	% of Budget Used	Last Year Actuals
Personnel (incl D&E)	\$25,359,529	\$1,880,025	7%	\$22,107,543
Repairs & Maintenance	2,147,050	140,953	7%	1,965,202
Supplies & Matls (chemicals, small tools)	2,622,250	143,572	5%	2,273,252
Outside Services (utilities, biosolids, legal)	6,353,189	200,527	3%	5,342,319
Fixed Assets	334,860	0	0%	207,183
Total	\$36,816,878	\$2,365,076	6%	\$31,895,499

REVENUES AND EXPENSES REPORT
as of 7/31/17

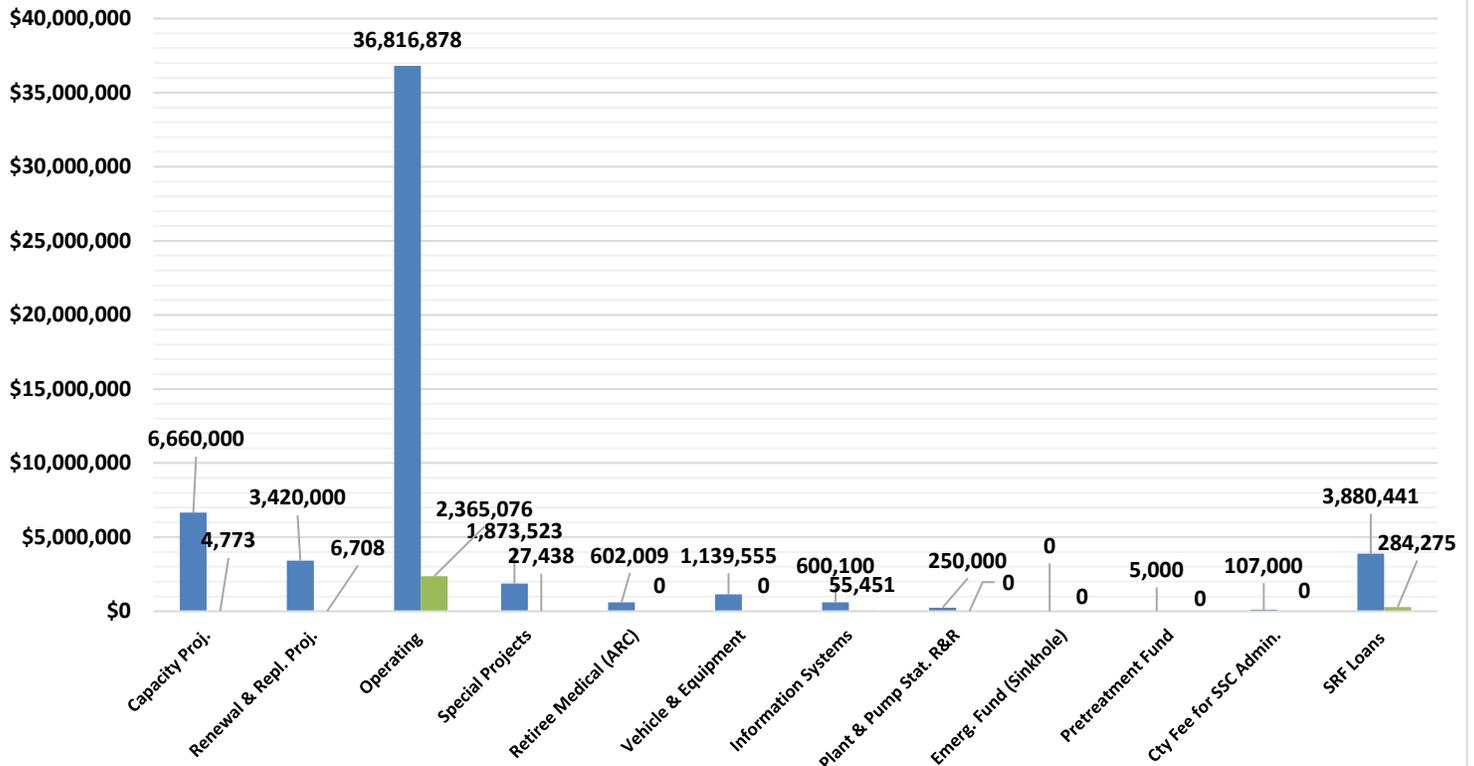
Total Revenues

■ Budget ■ Actual



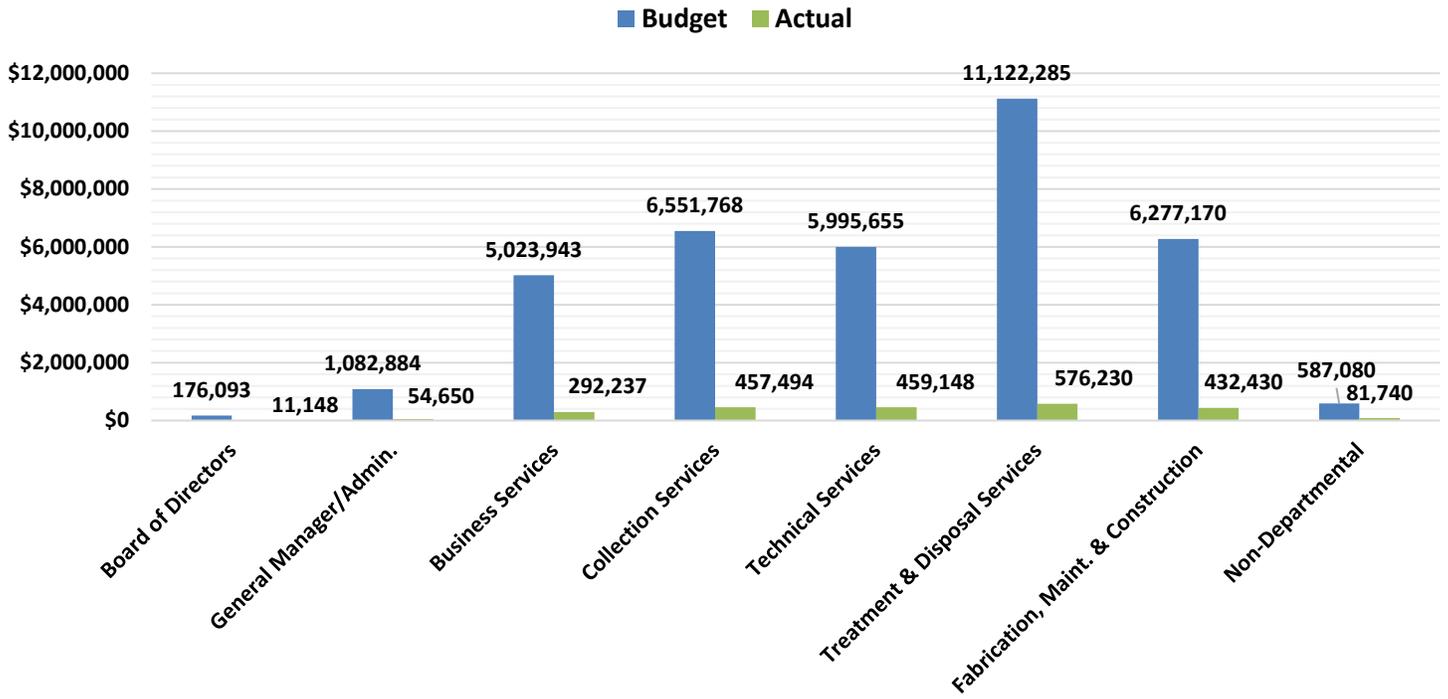
Total Expenses

■ Budget ■ Actual

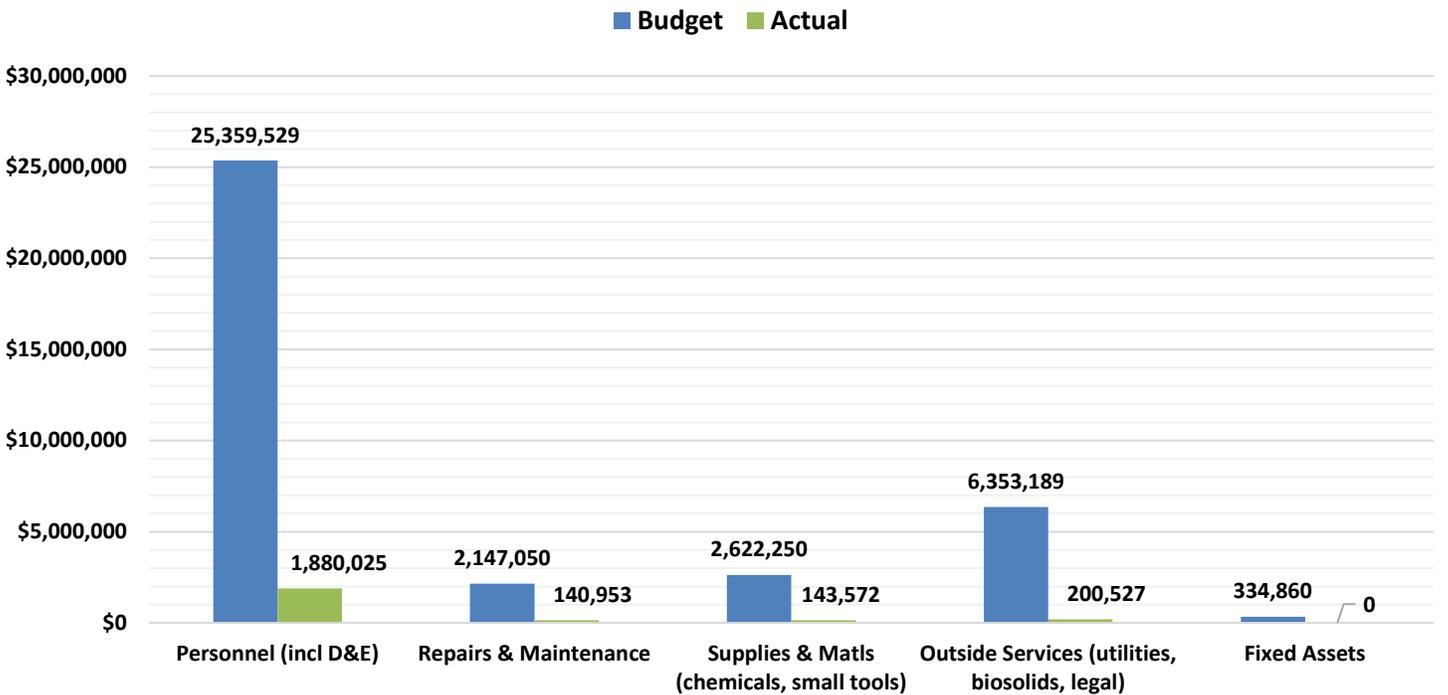


REVENUES AND EXPENSES REPORT
as of 7/31/17

Operating Expenses by Work Group



Operating Expenses by Type

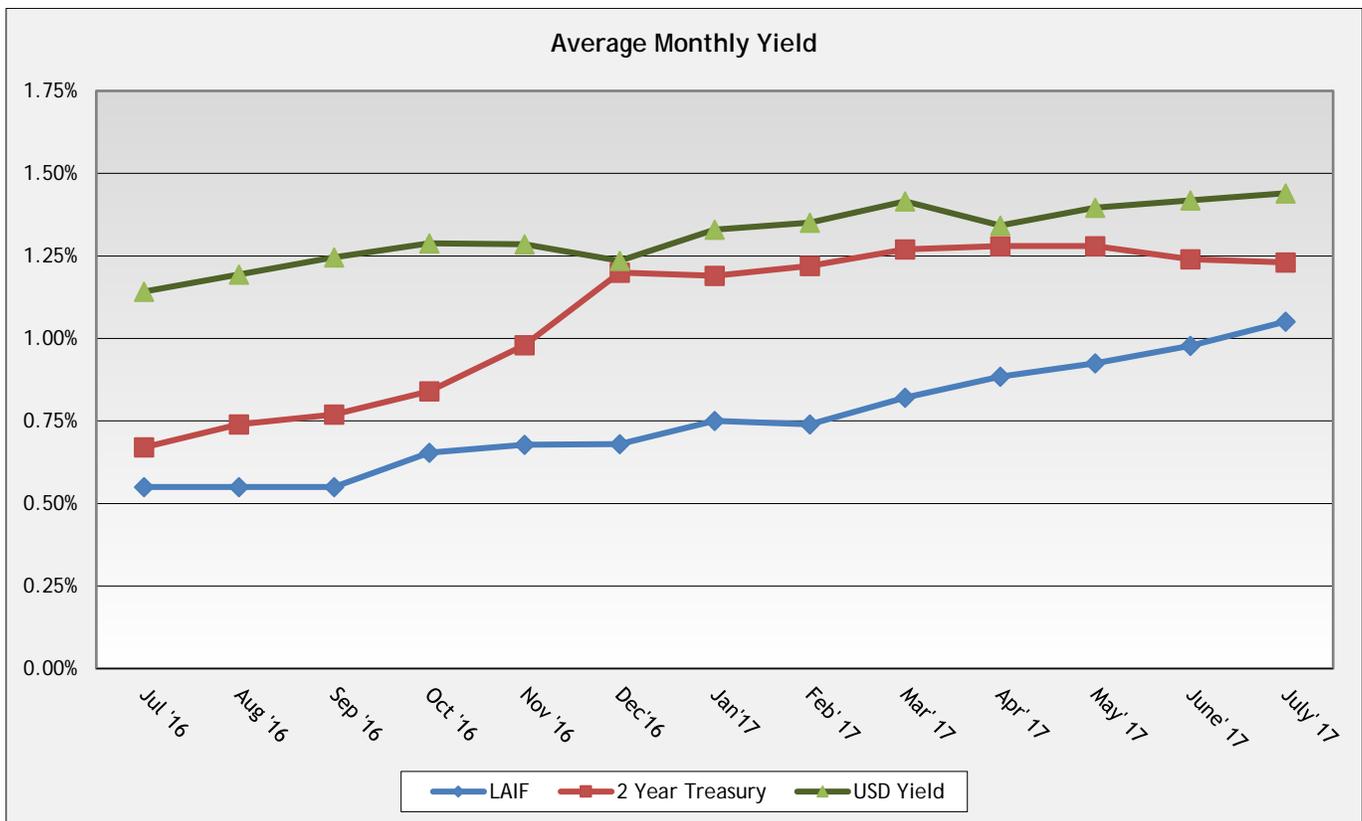


**Business Services Group
July 2017**

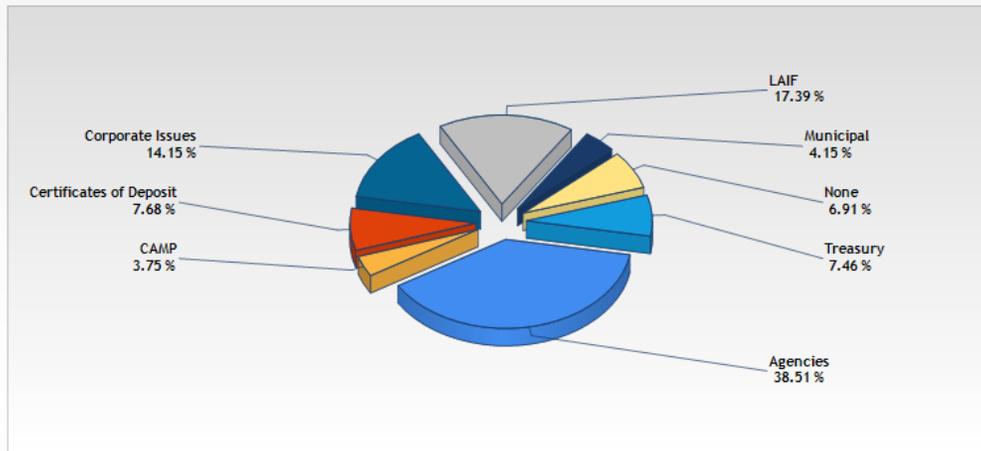
Accomplishments:

- Recruitment for Painter was completed; Gustavo Oseguera was hired on July 10, 2017.
- Recruitment for Human Resources Manager was completed; Gene Boucher was hired on July 17, 2017.

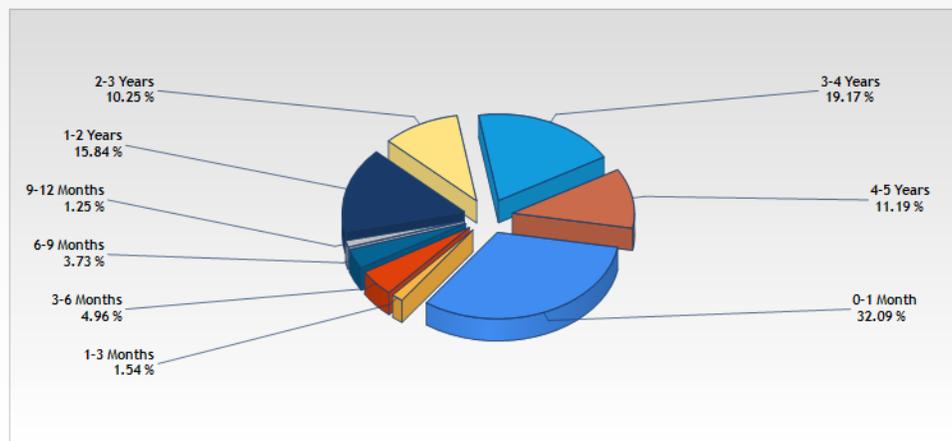
Performance Measures for the USD Investment Portfolio



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	25,818,953.55	0.964	25,827,812.55	3	32.09	25,818,836.35	25,819,196.93	0.01
1-3 Months	1,240,000.00	0.890	1,240,660.00	62	1.54	1,239,480.47	1,240,043.25	0.17
3-6 Months	3,986,000.00	0.886	3,988,620.00	139	4.96	3,981,874.81	3,986,402.90	0.38
6-9 Months	3,000,000.00	1.140	2,998,690.00	227	3.73	2,995,940.00	2,999,070.74	0.62
9-12 Months	1,000,000.00	1.440	1,002,490.00	347	1.25	1,000,640.00	1,001,017.70	0.95
1-2 Years	12,746,000.00	1.245	12,750,280.00	590	15.84	12,720,514.48	12,749,154.66	1.62
2-3 Years	8,236,000.00	1.598	8,248,406.57	848	10.25	8,226,181.22	8,244,608.91	2.28
3-4 Years	15,245,000.00	2.077	15,430,937.56	1,316	19.17	15,335,293.61	15,379,561.44	3.47
4-5 Years	8,983,000.00	2.269	9,006,279.67	1,649	11.19	9,023,158.17	9,005,168.58	4.30
TOTAL / AVERAGE	80,254,953.55	1.440	80,494,176.35	639	100	80,341,919.11	80,424,225.11	1.69

Union Sanitary District
Transactions Summary
Monthly Activity - by Action
Group By: Action
Portfolio / Report Group: All Portfolios
Begin Date: 06/30/2017, End Date: 07/31/2017

Description	CUSIP/Ticker	Coupon Rate	YTM @ Cost	Settlement Date	Face Amount/Shares	Principal	Interest/Dividends	Total	Custodian	Portfolio Name
Deposit										
CAMP LGIP	LGIP4000	N/A	0.000	07/31/2017	2,864.80	2,864.80	0.00	2,864.80	None	Liquid Fund
LAIF LGIP	LGIP1002	N/A	0.000	07/14/2017	40,530.06	40,530.06	0.00	40,530.06	None	Liquid Fund
Union Bank Cash	LGIPUNIONBANK	N/A	0.000	07/31/2017	5,561,785.39	5,561,785.39	0.00	5,561,785.39	None	Liquid Fund
Sub Total / Average					5,605,180.25	5,605,180.25	0.00	5,605,180.25		
Interest										
CAMP LGIP	LGIP4000	N/A	0.000	07/31/2017	0.00	0.00	2,864.80	2,864.80	None	Liquid Fund
Comenity Capital 1.25 4/11/2019	20033ASR8	1.250	0.000	07/11/2017	0.00	0.00	254.79	254.79	None	Operating Fund
FFCB 0.9 1/16/2018-16	3133ECCZ5	0.900	0.000	07/17/2017	0.00	0.00	4,500.00	4,500.00	None	Operating Fund
FHLB 1.24 1/23/2019-18	3130AAN20	1.240	0.000	07/24/2017	0.00	0.00	6,200.00	6,200.00	None	Operating Fund
FHLMC 1 7/25/2017	3134G3ZH6	1.000	0.000	07/25/2017	0.00	0.00	5,000.00	5,000.00	Bank of New York 7537	Operating Fund
Franklin Synergy Bank 0.85 12/11/2017	35471TCH3	0.850	0.000	07/10/2017	0.00	0.00	173.26	173.26	None	Operating Fund
JP Morgan Chase Bank 1.1 7/15/2019	48125Y5L4	1.100	0.000	07/17/2017	0.00	0.00	682.87	682.87	None	Operating Fund
LAIF LGIP	LGIP1002	N/A	0.000	07/14/2017	0.00	0.00	40,530.06	40,530.06	None	Liquid Fund
Lakeside Bank 1.75 5/29/2020	51210SMU8	1.750	0.000	07/31/2017	0.00	0.00	358.15	358.15	None	Operating Fund
Medallion Bank 1.15 10/30/2017	58403B2L9	1.150	0.000	07/28/2017	0.00	0.00	231.58	231.58	None	Operating Fund
Pacific Premier Bank 0.9 12/5/2017	69478QDG2	0.900	0.000	07/03/2017	0.00	0.00	183.45	183.45	None	Operating Fund
Ponce De Leon Federal Bank 1.85 5/28/2021	732333AJ8	1.850	0.000	07/31/2017	0.00	0.00	391.24	391.24	None	Operating Fund
State Bank of India 2.25 1/26/2022	8562846A7	2.250	0.000	07/26/2017	0.00	0.00	2,755.91	2,755.91	None	Operating Fund
Summit Community Bank 1.65 5/29/2020	86604XLT1	1.650	0.000	07/31/2017	0.00	0.00	348.94	348.94	None	Operating Fund
T-Note 0.875 1/15/2018	912828H37	0.875	0.000	07/17/2017	0.00	0.00	4,375.00	4,375.00	None	Operating Fund
T-Note 0.875 1/31/2018	912828UJ7	0.875	0.000	07/31/2017	0.00	0.00	4,375.00	4,375.00	None	Operating Fund
Toyota Motor Credit 1.55 7/13/2018	89236TCP8	1.550	0.000	07/13/2017	0.00	0.00	7,750.00	7,750.00	None	Operating Fund
Wells Fargo Bank 1.15 7/22/2019	9497486R3	1.150	0.000	07/20/2017	0.00	0.00	235.36	235.36	None	Operating Fund
Sub Total / Average					0.00	0.00	81,210.41	81,210.41		
Matured										
FHLMC 1 7/25/2017	3134G3ZH6	1.000	0.000	07/25/2017	1,000,000.00	1,000,000.00	0.00	1,000,000.00	Bank of New York 7537	Operating Fund
Sub Total / Average					1,000,000.00	1,000,000.00	0.00	1,000,000.00		
Withdraw										
LAIF LGIP	LGIP1002	N/A	0.000	07/26/2017	2,000,000.00	2,000,000.00	0.00	2,000,000.00	None	Liquid Fund
Union Bank Cash	LGIPUNIONBANK	N/A	0.000	07/30/2017	4,204,096.93	4,204,096.93	0.00	4,204,096.93	None	Liquid Fund
Sub Total / Average					6,204,096.93	6,204,096.93	0.00	6,204,096.93		

Union Sanitary District
Board Report - Holdings
 Report Format: By Transaction
 Group By: Asset Class
 Average By: Cost Value
Portfolio / Report Group: All Portfolios
As of 7/31/2017

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 0.9 1/16/2018-16	3133ECCZ5	Moody's-Aaa	12/23/2016	1,000,000.00	1,000,000.00	0.900	998,910.00	0.900		1/16/2018	1.24
FFCB 1.17 5/16/2019-17	3133EF7L5	Moody's-Aaa	5/16/2016	1,000,000.00	1,000,000.00	1.170	995,470.00	1.170		5/16/2019	1.24
FFCB 1.3 11/25/2019-16	3133EGBK0	Moody's-Aaa	5/25/2016	1,000,000.00	997,950.00	1.300	993,540.00	1.360		11/25/2019	1.24
FFCB 1.35 6/24/2019	3133EEZ60	Moody's-Aaa	5/24/2017	1,000,000.00	1,003,480.00	1.350	1,001,600.00	1.180		6/24/2019	1.25
FFCB 1.37 12/27/2018-17	3133EGZ24	None	12/27/2016	1,000,000.00	1,000,000.00	1.370	998,460.00	1.370	12/27/2017	12/27/2018	1.24
FFCB 1.59 3/23/2020-17	3133EFR25	Moody's-Aaa	3/23/2016	1,000,000.00	1,000,000.00	1.590	998,630.00	1.590		3/23/2020	1.24
FFCB 1.7 5/3/2021-17	3133EF5T0	Moody's-Aaa	5/3/2016	1,000,000.00	1,000,000.00	1.700	986,620.00	1.700		5/3/2021	1.24
FHLB 0.9 9/28/2017	3130A5KH1	Moody's-Aaa	7/22/2015	1,000,000.00	1,001,140.00	0.900	999,610.00	0.847		9/28/2017	1.24
FHLB 1.24 1/23/2019-18	3130AAN20	Moody's-Aaa	2/2/2017	1,000,000.00	999,100.00	1.240	997,600.00	1.286	1/23/2018	1/23/2019	1.24
FHLB 1.375 2/28/2019-17	3130ABEH5	Moody's-Aaa	5/30/2017	1,000,000.00	1,000,000.00	1.375	999,590.00	1.375	11/28/2017	2/28/2019	1.24
FHLB 1.93 12/21/2020-17	3130AADQ8	None	12/21/2016	1,000,000.00	1,000,000.00	1.930	1,000,010.00	1.930		12/21/2020	1.24
FHLB 2 10/26/2021-19	3130AB3D6	None	4/26/2017	1,000,000.00	1,000,000.00	2.000	1,000,590.00	2.000	4/26/2019	10/26/2021	1.24
FHLB 2.05 12/29/2021-17	3130AAET1	Moody's-Aaa	12/29/2016	1,000,000.00	1,000,000.00	2.050	997,350.00	2.050	12/29/2017	12/29/2021	1.24
FHLB 2.4 12/22/2021-17	3130AAHC5	None	12/22/2016	1,000,000.00	1,000,000.00	2.400	1,000,030.00	2.400	8/1/2017	12/22/2021	1.24
FHLB Step 3/15/2021-16	3130A7EG6	Moody's-Aaa	3/15/2016	1,000,000.00	1,000,000.00	1.250	999,730.00	2.216	9/15/2017	3/15/2021	1.24
FHLB Step 4/28/2021-16	3130A7PR0	Moody's-Aaa	4/28/2016	1,000,000.00	1,000,000.00	1.250	996,170.00	2.114	10/28/2017	4/28/2021	1.24
FHLB Step 4/28/2021-16	3130A7QX6	Moody's-Aaa	4/28/2016	1,000,000.00	1,000,000.00	1.250	994,280.00	2.021		4/28/2021	1.24
FHLMC 0.8 8/25/2017-16	3134G8L49	Moody's-Aaa	2/25/2016	1,000,000.00	1,000,000.00	0.800	999,820.00	0.800		8/25/2017	1.24

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
FHLMC 1 8/15/2018-17	3134GABQ6	Moody's-Aaa	1/31/2017	1,000,000.00	998,700.00	1.000	996,690.00	1.087	8/15/2017	8/15/2018	1.24
FHLMC 1.2 12/14/2018-17	3134GAZU1	None	12/14/2016	1,000,000.00	1,000,000.00	1.200	994,220.00	1.200	9/14/2017	12/14/2018	1.24
FHLMC 1.25 10/28/2019-17	3134G8XQ7	Moody's-Aaa	4/28/2016	1,000,000.00	1,000,000.00	1.250	989,150.00	1.250		10/28/2019	1.24
FHLMC 1.4 6/14/2019-17	3134GBRH7	Moody's-Aaa	6/14/2017	1,000,000.00	1,000,000.00	1.400	1,000,070.00	1.400	12/14/2017	6/14/2019	1.24
FHLMC 1.41 4/26/2019-18	3134GBEG3	None	4/26/2017	1,000,000.00	1,000,000.00	1.410	999,740.00	1.410	4/26/2018	4/26/2019	1.24
FHLMC 1.5 12/30/2019-17	3134GAYY4	S&P-AA+	12/30/2016	1,000,000.00	1,000,000.00	1.500	996,730.00	1.500	9/30/2017	12/30/2019	1.24
FHLMC 1.5 9/9/2019-18	3134GA7A6	Moody's-Aaa	5/10/2017	1,000,000.00	1,000,000.00	1.500	999,210.00	1.500	3/19/2018	9/9/2019	1.24
FHLMC 2 12/30/2021-17	3134GAYV0	None	12/30/2016	1,000,000.00	1,000,000.00	2.000	997,900.00	2.000	9/30/2017	12/30/2021	1.24
FHLMC 2.3 3/29/2022-17	3134GA6Y5	None	3/29/2017	500,000.00	500,000.00	2.300	500,080.00	2.300	9/29/2017	3/29/2022	0.62
FHLMC Step 4/28/2021-16	3134G8VZ9	Moody's-Aaa	4/28/2016	2,500,000.00	2,500,000.00	1.250	2,473,150.00	2.116		4/28/2021	3.11
FHLMC Step 4/28/2021-16	3134G8Z28	Moody's-Aaa	5/10/2016	1,000,000.00	999,500.00	1.125	991,870.00	2.044	10/28/2017	4/28/2021	1.24
FNMA 1.5 6/16/2021-16	3136G3QX6	Moody's-Aaa	6/16/2016	1,000,000.00	995,000.00	1.500	982,350.00	1.604	9/16/2017	6/16/2021	1.24
Sub Total / Average				31,000,000.00	30,994,870.00	1.419	30,879,170.00	1.605			38.51
CAMP											
CAMP LGIP	LGIP4000	None	5/31/2011	3,018,711.32	3,018,711.32	1.120	3,018,711.32	1.120	N/A	N/A	3.75
Sub Total / Average				3,018,711.32	3,018,711.32	1.120	3,018,711.32	1.120			3.75
Certificates of Deposit											
Ally Bank 1.35 10/28/2019	02006LQ48	None	10/27/2016	248,000.00	248,000.00	1.350	246,495.68	1.350		10/28/2019	0.31
American Expr Centurion 2.45 4/5/2022	02587DN38	None	4/5/2017	247,000.00	247,000.00	2.450	253,449.10	2.450		4/5/2022	0.31
Belmont Savings Bank 2.15 3/22/2022	080515BV0	None	3/20/2017	248,000.00	248,000.00	2.150	251,158.85	2.150		3/22/2022	0.31
BMW Bank 2.15 3/10/2022	05580AGR9	None	3/10/2017	247,000.00	247,000.00	2.150	250,127.24	2.150		3/10/2022	0.31
Capital One Bank 1.5 10/26/2020	140420L99	None	10/26/2016	248,000.00	248,000.00	1.500	246,208.22	1.500		10/26/2020	0.31
Capital One National Asso Bank 1.25 8/28/2017	14042E6B1	None	8/26/2015	245,000.00	245,000.00	1.250	245,009.21	1.250		8/28/2017	0.30
Comenity Capital 1.25 4/11/2019	20033ASR8	None	10/25/2016	248,000.00	248,000.00	1.250	246,365.98	1.250		4/11/2019	0.31
Community Bank of the Chesapeake 0.75 8/8/2017	20350ABN0	None	6/8/2016	248,000.00	248,000.00	0.750	247,965.60	0.750		8/8/2017	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
Discover Bank 2.25 12/29/2021	254672Y36	None	12/29/2016	247,000.00	247,000.00	2.250	251,145.57	2.250		12/29/2021	0.31
First Bank of Richmond 0.7 8/2/2017	319267FK1	None	6/2/2016	248,000.00	248,000.00	0.700	247,982.64	0.700		8/2/2017	0.31
First Niagara Bank 1.1 10/30/2017	33583CSV2	None	10/30/2015	245,000.00	245,000.00	1.100	244,857.46	1.100		10/30/2017	0.30
Franklin Synergy Bank 0.85 12/11/2017	35471TCH3	None	6/10/2016	248,000.00	248,000.00	0.850	247,560.94	0.850		12/11/2017	0.31
Goldman Sachs Bank 1 10/16/2017	38148JQX2	None	4/27/2015	240,000.00	239,520.00	1.000	239,870.47	1.069		10/16/2017	0.30
JP Morgan Chase Bank 1.1 7/15/2019	48125Y5L4	None	7/15/2016	249,000.00	249,000.00	1.100	246,549.37	1.100		7/15/2019	0.31
Lakeside Bank 1.75 5/29/2020	51210SMU8	None	5/30/2017	249,000.00	249,000.00	1.750	249,356.39	1.750		5/29/2020	0.31
Landmark Bank 2.1 3/29/2021-17	51506VCA9	None	3/29/2017	248,000.00	248,000.00	2.100	250,796.99	2.100	9/27/2017	3/29/2021	0.31
Marlin Business Bank 0.85 8/24/2017	57116ALG1	None	2/24/2016	248,000.00	248,000.00	0.850	247,934.16	0.850		8/24/2017	0.31
Medallion Bank 1.15 10/30/2017	58403B2L9	None	10/28/2015	245,000.00	245,000.00	1.150	244,891.49	1.150		10/30/2017	0.30
Pacific Premier Bank 0.9 12/5/2017	69478QDG2	None	6/3/2016	248,000.00	248,000.00	0.900	247,624.92	0.900		12/5/2017	0.31
Ponce De Leon Federal Bank 1.85 5/28/2021	732333AJ8	None	5/31/2017	249,000.00	249,000.00	1.850	249,523.40	1.850		5/28/2021	0.31
State Bank of India 2.25 1/26/2022	8562846A7	None	1/26/2017	247,000.00	247,000.00	2.250	251,304.39	2.250		1/26/2022	0.31
Summit Community Bank 1.65 5/29/2020	86604XLT1	None	5/31/2017	249,000.00	249,000.00	1.650	248,657.55	1.650		5/29/2020	0.31
Synchrony Bank 2.3 2/24/2022	87165ELT2	None	2/28/2017	247,000.00	247,000.00	2.300	251,833.02	2.300		2/24/2022	0.31
TCF National Bank 0.85 8/17/2017	872278SH0	None	2/17/2016	248,000.00	248,000.00	0.850	247,951.19	0.850		8/17/2017	0.31
Wells Fargo Bank 1.15 7/22/2019	9497486R3	None	7/20/2016	249,000.00	249,000.00	1.150	246,769.13	1.150		7/22/2019	0.31
Sub Total / Average				6,183,000.00	6,182,520.00	1.466	6,201,388.96	1.469			7.68

Corporate Issues

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	1,013,790.00	2.406		3/3/2022	1.26
Barclays Bank PLC Step 4/26/2022-17	06741VR95	Moody's-A1	4/26/2017	1,000,000.00	1,000,000.00	2.000	996,380.00	3.093	10/26/2017	4/26/2022	1.24
Chevron Corp 2.1 5/16/2021	166764BG4		5/10/2017	1,000,000.00	999,500.00	2.100	1,001,750.00	2.113		5/16/2021	1.24

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
Chevron Corp 2.193 11/15/2019	166764AN0	Moody's-Aa2	2/26/2016	1,160,000.00	1,167,806.57	2.193	1,172,017.60	2.004		11/15/2019	1.45
GE Capital International 2.04 11/15/2020	36164QMS4	S&P-AA	3/10/2017	1,000,000.00	1,010,642.28	2.040	1,010,740.00	1.738		11/15/2020	1.26
HSBC 4.875 8/24/2020	4042Q1AE7	Moody's-A1	5/17/2016	2,000,000.00	2,191,145.28	4.875	2,159,340.00	2.500		8/24/2020	2.72
JP Morgan Chase & Co 2 8/15/2017	48126EAA5	Moody's-A3	2/16/2016	1,000,000.00	1,008,859.00	2.000	1,000,220.00	1.400		8/15/2017	1.25
Toyota Motor Credit 1.55 7/13/2018	89236TCP8	Moody's-Aa3	3/16/2016	1,000,000.00	1,002,490.00	1.550	1,000,640.00	1.440		7/13/2018	1.25
Toyota Motor Credit Corp 1.2 4/6/2018	89236TCX1	Moody's-Aa3	5/24/2016	1,000,000.00	1,000,360.00	1.200	998,700.00	1.180		4/6/2018	1.24
Toyota Motor Credit Corp 1.2 4/6/2018	89236TCX1	Moody's-Aa3	4/6/2017	1,000,000.00	998,710.00	1.200	998,700.00	1.330		4/6/2018	1.24
Sub Total / Average				11,160,000.00	11,392,792.80	2.467	11,352,277.60	1.982			14.15
LAIF											
LAIF LGIP	LGIP1002	None	4/30/2011	14,001,456.84	14,001,456.84	1.051	14,001,456.84	1.051	N/A	N/A	17.39
Sub Total / Average				14,001,456.84	14,001,456.84	1.051	14,001,456.84	1.051			17.39
Municipal											
City of Riverside CA 2.125 6/1/2021	769036BA1	S&P-AA-	6/1/2017	500,000.00	500,000.00	2.125	496,045.00	2.125		6/1/2021	0.62
La Qunita Redev Agency 2.034 9/1/2019	50420BCH3	S&P-AA-	12/22/2016	1,330,000.00	1,336,650.00	2.034	1,332,394.00	1.843		9/1/2019	1.66
State of California 2.152 4/1/2022	13063DAD0	Moody's-Aa3	4/27/2017	1,000,000.00	1,010,000.00	2.152	1,008,020.00	1.938		4/1/2022	1.25
Victor Valley College General Obligation Bond 2.35	92603PER9	Moody's-Aa2	12/28/2016	500,000.00	490,150.00	2.350	496,710.00	2.811		8/1/2021	0.61
Sub Total / Average				3,330,000.00	3,336,800.00	2.130	3,333,169.00	2.056			4.15
None											
Union Bank Cash	LGIPUNIONBANK	None	12/31/2016	5,561,785.39	5,561,785.39	0.630	5,561,785.39	0.630	N/A	N/A	6.91
Sub Total / Average				5,561,785.39	5,561,785.39	0.630	5,561,785.39	0.630			6.91
Treasury											
T-Note 0.875 1/15/2018	912828H37	Moody's-Aaa	6/1/2015	1,000,000.00	1,001,560.00	0.875	998,710.00	0.815		1/15/2018	1.24
T-Note 0.875 1/31/2018	912828UJ7	None	1/9/2017	1,000,000.00	999,620.00	0.875	998,540.00	0.911		1/31/2018	1.24

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
T-Note 0.875 11/15/2017	912828G20	Moody's-Aaa	6/24/2015	1,000,000.00	1,001,060.00	0.875	999,320.00	0.830		11/15/2017	1.24
T-Note 0.875 5/15/2019	912828R44	None	4/26/2017	1,000,000.00	993,080.00	0.875	991,800.00	1.217		5/15/2019	1.23
T-Note 1.283 3/31/2019	912828SN1	None	2/22/2017	1,000,000.00	1,004,480.00	1.283	1,002,930.00	1.067		3/31/2019	1.25
T-Note 1.5 2/28/2019	912828C24	None	1/9/2017	1,000,000.00	1,005,440.00	1.500	1,002,660.00	1.241		2/28/2019	1.25
Sub Total / Average				6,000,000.00	6,005,240.00	1.048	5,993,960.00	1.013			7.46
Total / Average				80,254,953.55	80,494,176.35	1.443	80,341,919.11	1.440			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: BOSC, Inc.; Cantella & Co.; First Empire Securities; Ladenburg, Thalman & Co, Inc.; UBS Financial Services; Wells Fargo Securities.

Reviewer:

Approver:

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

For Period Ended 6/30/17

Fund Balance 3/31/17:		\$27,792.03
Revenues:		
Expenses:		
	Quarterly Net Medical Reimbursements	97,177.40
Transfers Out:		
	5/19/17 CalPERS OPEB Trust Annual Required Contrib. (ARC) (payment #4 of 4)	(145,942.75)
Ending Fund Balance 6/30/17:		(\$20,973.32)



Market Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$4,575,075.48	\$4,311,934.25
Contribution	140,301.25	561,205.00
Distribution	(92,064.31)	(327,284.09)
Transfer In	0.00	0.00
Transfer Out	0.00	0.00
Investment Earnings	131,907.19	144,622.56
Admin Expense	(559.71)	(2,159.30)
Investment Expense	(409.21)	(1,578.70)
Other	0.00	0.00
Ending Balance	\$4,754,250.69	\$4,686,739.72
YTD Accrual	(97,361.12)	(29,850.15)
Grand Total	\$4,656,889.57	\$4,656,889.57

Unit Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Units	333,067.579	318,863.990
Unit Purchases from Contributions	10,079.192	41,828.617
Unit Sales for Withdrawals	(6,661.894)	(24,207.730)
Unit Transfer In	0.000	0.000
Unit Transfer Out	0.000	0.000
Ending Units	336,484.877	336,484.877
Period Beginning Unit Value	13.736178	13.734525
Period Ending Unit Value	14.129166	14.129166

Please note that the Grand Total is your actual fund account balance at the end of the period, including all accrued Contributions and Distributions. 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 06/30/2016

Union Sanitary District

Entity #: SKB7-6011550262



Date	Description	Amount	Unit Value	Units	Check/Wire	Notes
05/06/2016	Distribution	(\$92,064.31)	\$13.819539	(6,661.894)		
06/16/2016	Contribution	\$140,301.25	\$13.919890	10,079.192	WIRE 2016061600103 812	
06/30/2016	YE Accrual Distribution	(\$97,361.12)				

Client Contact:
CERBT4U@CalPERS.ca.gov

MONTHLY OPERATIONS REPORT FOR THE MONTH OF JULY 2017
TECHNICAL SUPPORT WORK GROUP SUMMARY

Capital Improvement Program

Thickener Control Building Improvements Project – Project closeout and punchlist work are in progress.

Fremont and Paseo Padre Lift Stations Improvements Project – The contractor continued with the investigation of Lift Pump No. 1 at Fremont Lift Station failure to pass the performance test. Staff awaits the contractor's proposal to address this issue.

Chemical Tanks and Piping Replacement Project – Installation of pumps, variable frequency drives, and piping in the Odor Control Building was completed.

Sludge Degritter System Project – Installation of primary sludge piping, pipe supports, and electrical wiring is in progress.

Headworks Knife Gate Valves 1-3 Replacement Project –Replacement of the Alvarado Influent Pump Station knife gate valves at Control Box No. 1 and the Headworks Valve Box was completed. The removal of the temporary bulkhead to isolate flows at Control Box No. 1 is scheduled for next month.

Force Main Corrosion Repairs Project, Phase 1 – The east force main shutdown and dewatering work was completed. The contractor began chipping the manhole bases where the repairs will be performed.

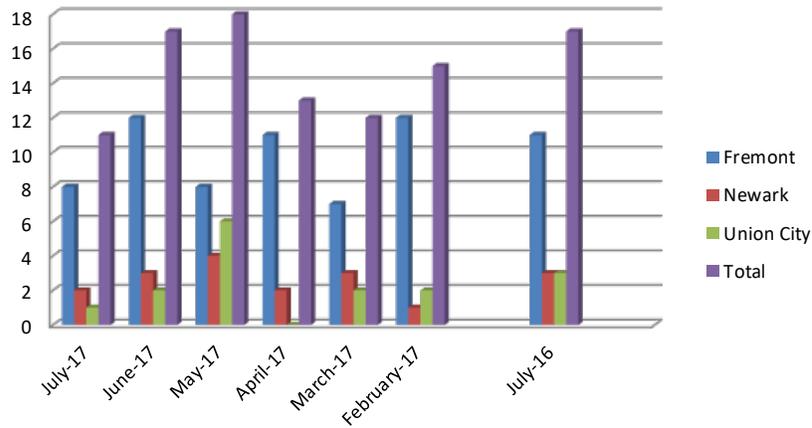
Newark Pump Station Wet Well Improvements – The Board awarded the construction contract to D.W. Nicholson Corporation at the July 10th Board meeting.

Cast Iron/Piping Lining Phase VI – The Board awarded the construction contract to Southwest Pipeline and Trenchless Corp. at the July 24th Board meeting.

Customer Service

Trouble Calls dispatched from the Front Desk during business hours:

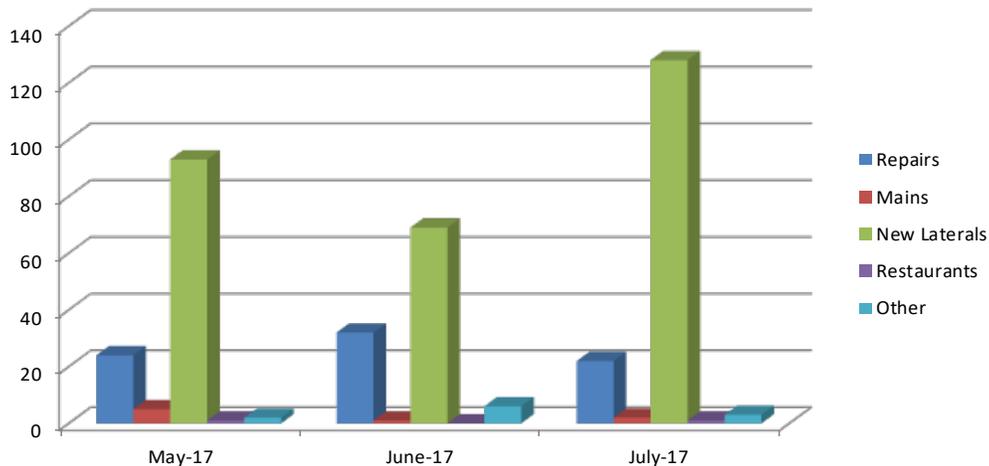
Month	Fremont	Newark	Union City	Total
July-17	8	2	1	11
June-17	12	3	2	17
May-17	8	4	6	18
April-17	11	2	0	13
March-17	7	3	2	12
February-17	12	1	2	15
July-16	11	3	3	17
6-Month Total				86



Sewer Permits Issued

Month	Repairs	Mains	New Laterals	Restaurants	Other
July-17	22	2	128	1	3
June-17	32	1	69	0	6
May-17	24	5	93	1	2

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



Communication

- Participated in CASA August Conference planning as member of Program Committee and Communications Workgroup
- Developed content and finalized layout for Fall 2017 newsletter
- Attended Spirit Awards – Dave Drake received Excellence in Government Service Award
- Updated GM presentation to Fremont City Council and attended meeting on July 18, 2017
- Attended Bay Area Emergency Joint Information System Training
- Participated in Chamber of Commerce Board meeting as director
- Social Media Posts: Alameda County Pharmaceutical Take-Back Info; Dave Drake Community Spirit Award, Employee Tim Hughes’ sunset photo; Accounting and Financial Analyst job posting
- Updated website with FY 2018 rate information on permits and fees pages; updated Standard Specs links to new document

Environmental Compliance

Pollution Prevention/Stormwater Programs

USD’s Environmental Compliance 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. We conduct over 600 Stormwater compliance inspections 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 89 Stormwater (Urban Runoff), and 35 FOG (restaurant) inspections. During this reporting period, Inspectors identified 18 Stormwater and 9 FOG enforcement actions. Five (5) of the Stormwater enforcements resulted in administrative fines ranging from \$100 to \$500. Three (3) administrative fines were for illicit discharges and two were for repeated violations.

Urban Runoff Inspections and Enforcements

July 2017	No. of UR Inspections	VW	WL	NOV	AF	LA	Total Enforcements	No. of Illicit Discharge/s	3
	89	3	0	10	5	0	18	% enforcement	20%

FOG Inspections and Enforcements

July 2017	No. of FOG Inspections	VW	WL	NOV	AF	LA	Total Enforcements	% enforcement	20%
	35	7	2	0	0	0	9		

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 including Sewer Science	# of Plant Tours
2	None	1- 7/19/17 (3 people)

Industrial Pretreatment

The Industrial Pretreatment program has a number of 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
Mission Linen	None
TE Connectivity	
Seagate Technologies FRC	

Permits Issued

Company Name	Date Permit Issued
None	

Industrial Closures

Company Name	Date of Closure
None	

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

Report Name	Date Report Completed and Submitted
2017 Semi Annual Pretreatment Report	July 28, 2017
City of Fremont Quarterly Billing – FY 17 Q4	July 18, 2017

Enforcement Action

IU Name & Nature of Business	Comments	City	Parameters Violated	Discharge concentration (mg/L)	USD/Fed Limit Violated (mg/L)	Enforcement (1)
Sanmina Corporation	Failure to pay NOV N17-003 invoice for the 5/1/17 Zinc violation	Fremont	Sewer Use Ordinance (SUO) 36.03 Section 6.08(e)(1)	NA	NA	Warning Letter #WL-17-113
Kerry Ingredients & Flavor	Discharge of Oil & Grease (Animal/Vegetable) in excess of Local Limit	Union City	Permit Condition G2.6a, SUO 36.03 Section 2.10(b)(1)	484 mg/L	Local Limit of 300 mg/L	Notice of Violation N17-005

(1) WL – Warning Letter

C&D – Cease and Desist Order

NOV – Notices of Violation

SNC – Significant Non-Compliance

AO – Administrative Order

EM – Enforcement Meeting

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

Activity	Date of Event	Attendees
Industrial & Illicit Discharge Committee	7/13/17	Jose Soto
MEDS Coalition	7/17/17	Doug Dattawalker

Engineering/Construction

No. of projects under construction: **8**

	Construction Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for July 2017 Activities
1.	Thickener Control Building Improvements Project – Curtis	\$9,990	12/16	100%	100%	Project closeout and punchlist work are in progress.
2.	Fremont and Paseo Padre LS Improvement - Derek	\$2,801	10/16	99%	100%	Awaiting contractor’s proposal for addressing Lift Pump No. 1 at Fremont Lift Station failure to pass the performance test.
3.	Chemical Tanks and Piping Replacement Project – Thomas	\$2,102	10/17	80%	82%	The Odor Control Building pumps, variable frequency drives, and piping were installed.
4.	Sludge Degritter System Project – Kevin	\$1,436	10/17	58%	73%	Installation of electrical conduits/wiring and primary sludge piping is in progress.
5.	Headworks Knife Gate Valves 1-3 Replacement – Kevin	\$478	9/17	97%	80%	Contractor replaced two knife gate valves for the Alvarado Influent Pump Station.
6.	Force Main Corrosion Repairs Phase 1 – Chris	\$821	10/17	1%	5%	Force main shut down & dewatering complete. Manhole base chipping begun.
7.	Newark Pump Station Wet Well Improvements - Thomas	\$674	3/18	0%	0%	Project was awarded to D.W. Nicholson, Inc. at the July 10 th Board meeting.
8.	Cast Iron/Piping Lining Phase VI – Andrew	\$243	11/17	0%	0%	Project was awarded to Southwest Pipeline and Trenchless Corp. at the July 24 th Board meeting.

Design/Study

No. of projects in design/study phase: 11

	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for July 2017 Activities
1.	Plant Solids System / Capacity Assessment Phase 2 – Curtis	\$279	11/17	70%	68%	Study is in progress. Chapter 7 to be revised and resubmitted in August.
2.	Local Limits Study – Chris	\$77	10/17	56%	56%	Study in progress. Draft report and workshop likely by September.
3.	Seismic Vulnerability Assessment, Phase 3 - Thomas	\$105	06/17	100%	100%	Staff reviewed and commented on the final report.
4.	Standby Power Generation System Upgrade Project – Raymond/Kevin	\$175	05/17	95%	100%	Draft PDR workshop completed this month. Evaluation of Alternative 9 is in progress.
5.	Force Main Condition Assessment – Andrew	\$121	10/17	15%	60%	Progress to resume in August 2017.
6.	Emergency Outfall Improvements Project – Andrew	\$92	8/17	41%	90%	Staff met with Alameda County Flood Control to discuss design. Final Design Technical Memorandum is due in August.
7.	Primary Digester No. 7 Project – Curtis	\$127	7/17	70%	100%	Site visits at two treatment plants took place on July 13 th . Digester mixing evaluation is in progress.
8.	Plant Master Plan – Raymond	\$304	11/17	50%	67%	Awaiting the results of the Plant Solids System/Capacity Assessment Phase 2.
9.	Effluent Management Study – Curtis	\$70	6/17	65%	100%	Effluent management options analysis is in progress. Interagency meeting with the Army Corps of Engineers is scheduled for September 14 th .
10.	Odor Control Alternatives Study - Kevin	\$140	11/17	50%	70%	Third round of plant odor sampling is scheduled in August.

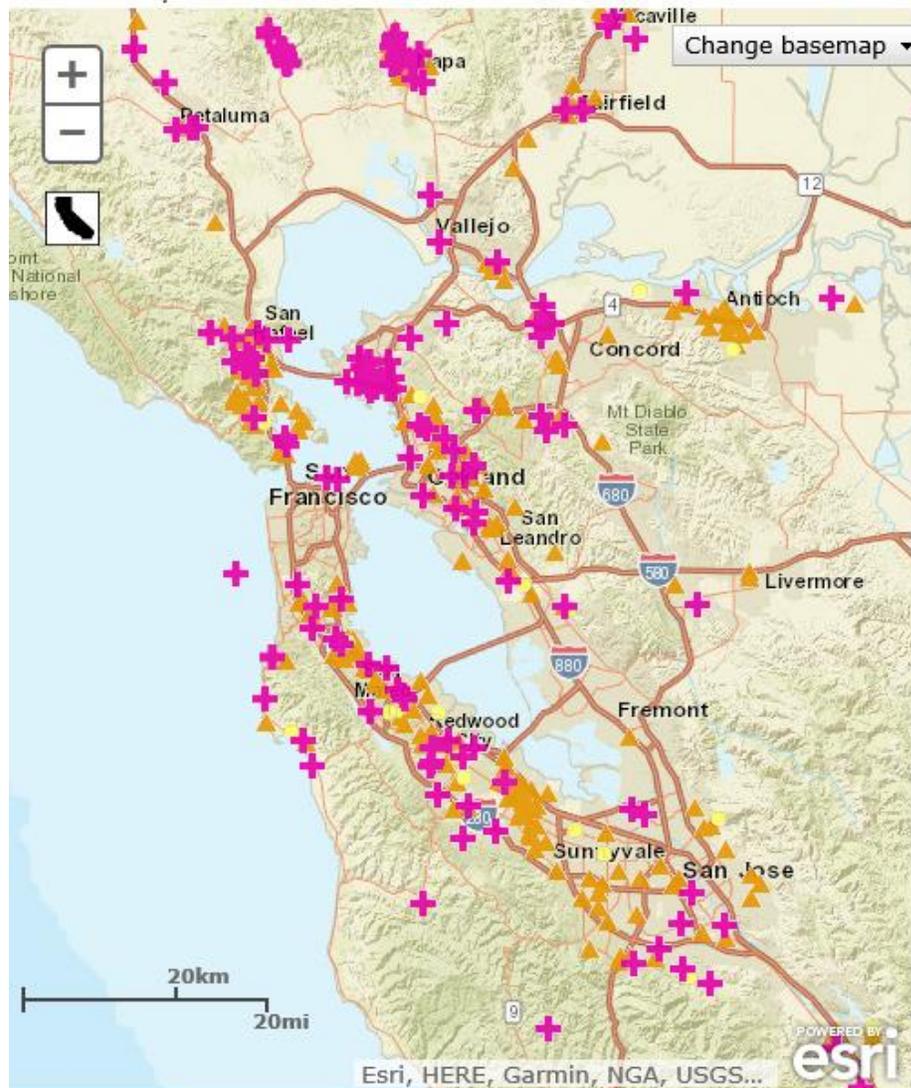
	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for July 2017 Activities
11.	Primary Digester No. 3 Rehabilitation - Derek	\$159	7/17	95%	100%	The 100% design submittal was received on July 25 th .

**COLLECTION SERVICES
ACTIVITIES REPORT
July 2017**

Progress/Accomplishments

- No Spills in July
- No Spill Report filed with State Waterboard for the month of June.
- Completed 14.4 miles of cleaning of sewer lines in July
- Completed 15.4 miles of televising of sewer lines in July
- Responded to 11 service request calls in July
- Completed a total of 17 main repairs July
- Trainings
 - Emergency Preparedness Training (3 EE's)

Reported Bay Area Spills 1/01/2017 thru 7/31/17



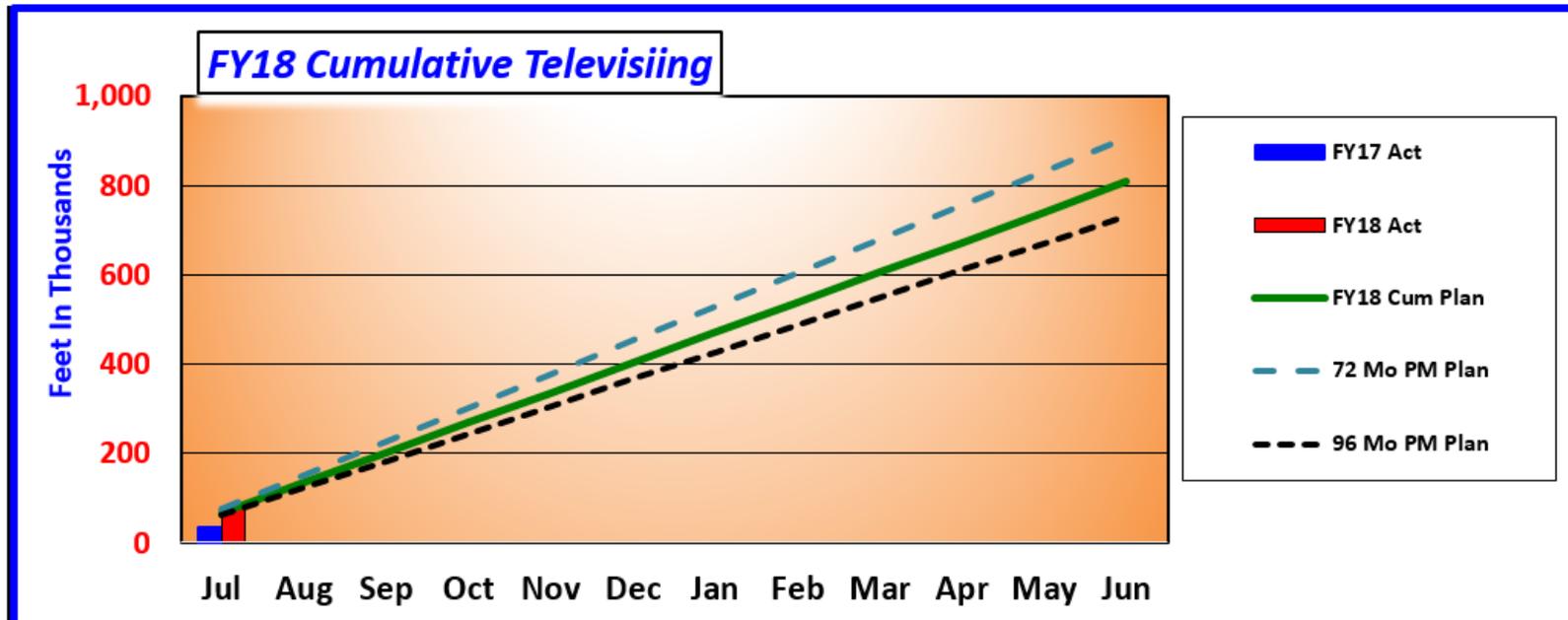
Performance Measures

FY18 PLAN



Cleaning Actual Footages/Costs		Jul-17 Clean Cost/Ft = \$0.72				
Description	Jul-17 Footage	FY18 YTD Footage	FY18 YE Goal	% Cmpl to Plan	FY16 'Y/E Footages	FY17 'Y/E Footage
72 Month Hydro-jet Clean-REV	67,172	67,172	731,522	9.2%	412,703	525,009
Selective Line Cleaning	886	886	113,365	0.8%	155,828	156,815
Special Condition Clean	0	0	18,720	0.0%	79,529	17,237
Root Control/Chemical Cln	7,899	7,899	209,078	3.8%	285,404	331,805
Cast Iron Proj/Other (not included in Cost Per Foot)	0	0			1,254	1,183
Totals	75,957	75,957	1,072,685	7.1%	934,718	1,032,049

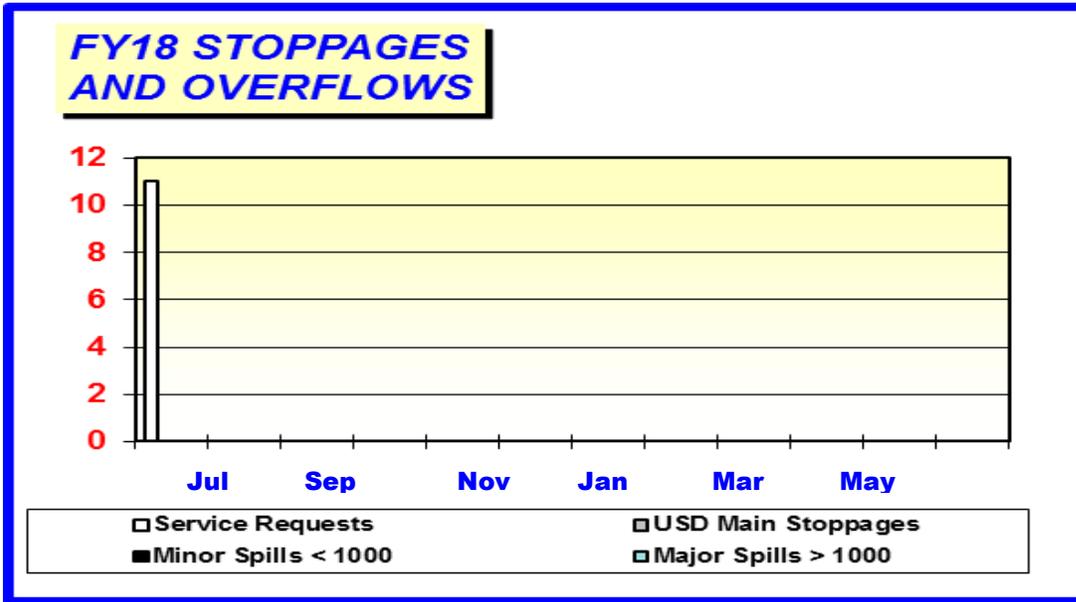
FY 18 PLAN



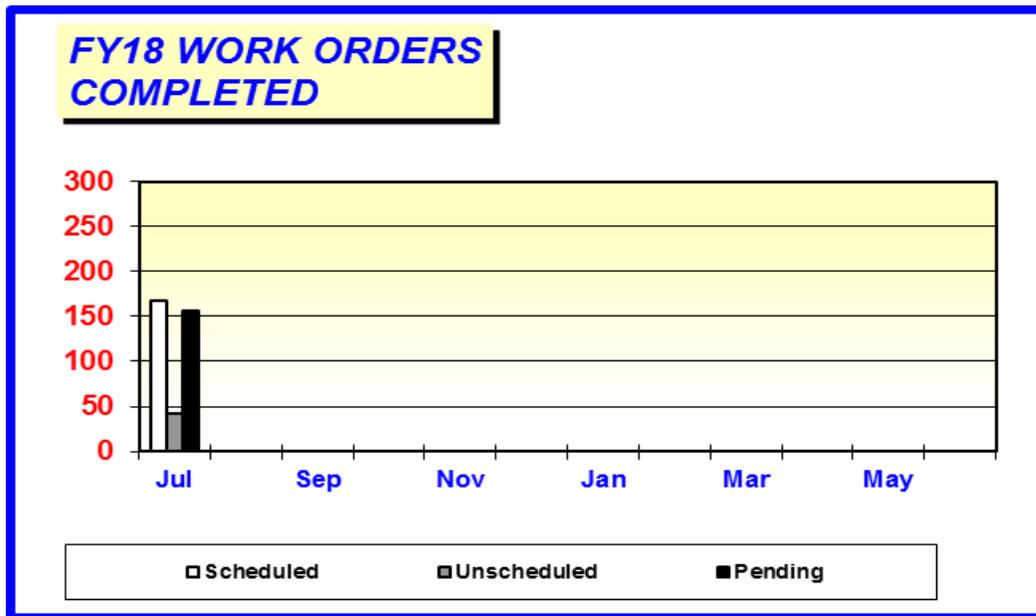
Televising Actual Footages/Costs		Jul-17 TV Cost/Ft = \$0.97				
Description	Jul-17 Footage	FY18 YTD Footage	FY18 YE Goal	% Cmpl to Plan	FY16 'Y/E Footages	FY17 'Y/E Footage
72 Month TV Inspection	80,145	80,145	710,910	11.3%	463,024	541,780
Visual/Condition,Pre/Post Cnst TV	0	0	18,540	0.0%	33,805	21,742
New Development, CIP, Misc.	1,387	1,387	45,900	3.0%	28,471	43,099
Condition Assessments	0	0	32,245	0.0%	17,789	12,409
Totals	81,532	81,532	807,595	10.1%	543,089	619,030

Other Collection Services Status Data:

Support Team Work Order Status:



C/S Maintenance Status:



**Fabrication, Maintenance and Construction
Activities Report
July 2017**

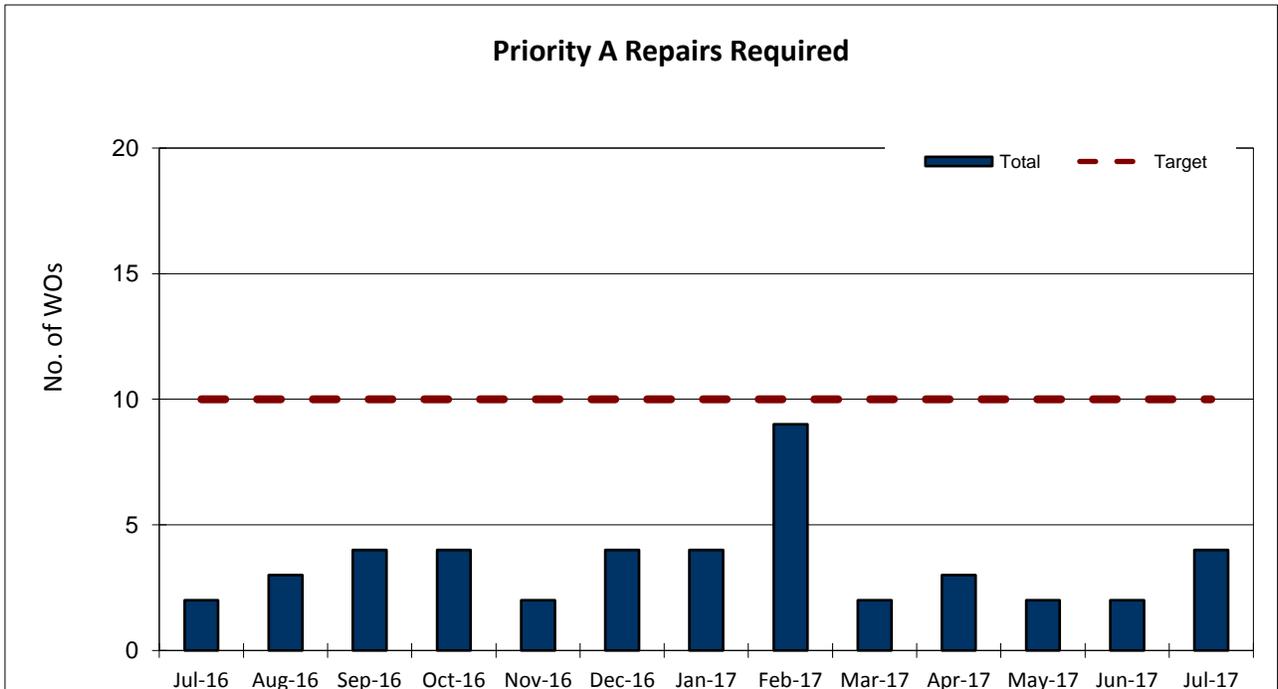
Progress/Accomplishments

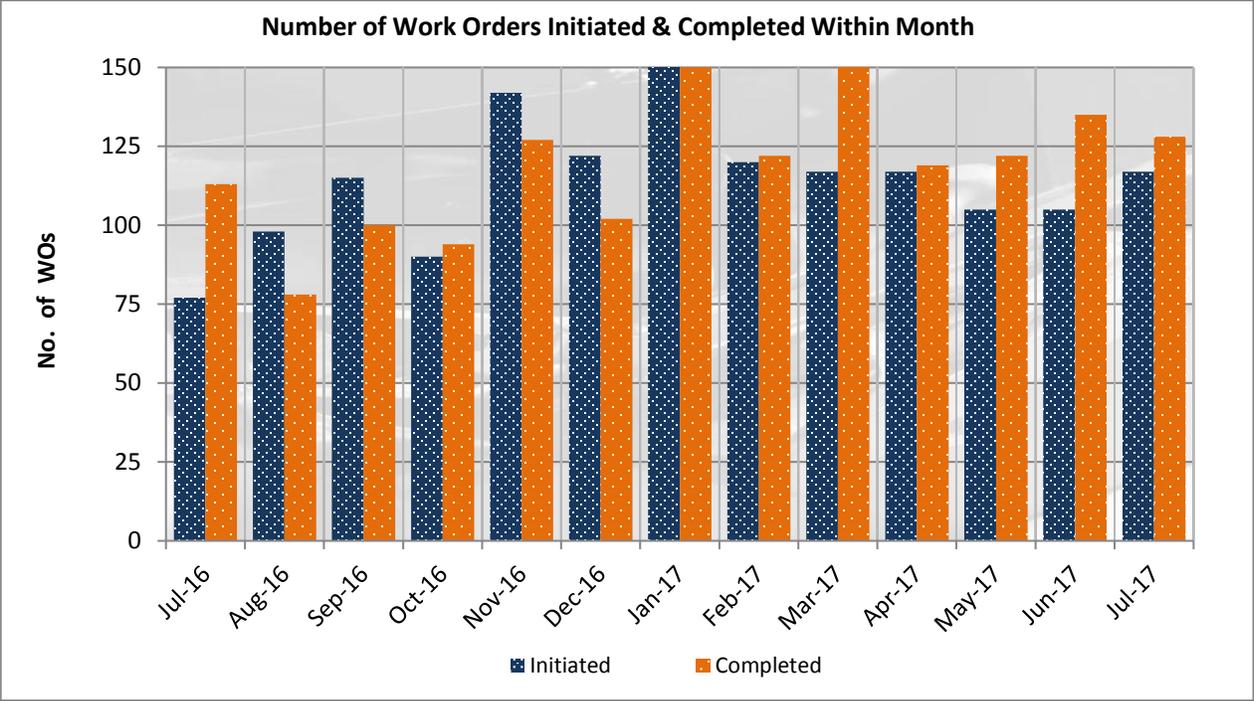
- Completed 93.41% of preventive maintenance activities for the month of July
- Completed 128 corrective maintenance work orders for the month of July
- Took the east force main out of service and dewatered from Newark Pump Station to the Plant
- Cleaning of CB1
- Co-Gen No. 1 2,000 hr. service
- Rebuilt Mixing Pump No. 3 spare assembly
- Replaced pinch valve bladder in Secondary Clairifier No. 3

Future Planning

- Complete actuator upgrade at Headworks
- Replace pinch valve bladders in Secondary Clairifier No. 1, 2 & 4
- Shutdown for CB1 bulkhead removal and cleaning
- Installation of new flow meters at Thickener Bldg.
- Old Newark Pump Station plant painting, removal of stairways, and fence repair

Performance Measurements





**Treatment & Disposal
Activities Report
July 2017**

Progress/Accomplishments

- Maintained 100% compliance with NPDES permits.
- Completed 91% preventive maintenance activities for the month of July.
- Conducted a QAI and hiring interview for the interim Laboratory Director. Chemist II, John Seo, was selected to fulfill the role until the recruitment of a permanent Laboratory Director can be completed.
- Prepared Maps showing the distance to residential and commercial receptors as requested for evaluation under BAAQMD Regulation 11-18.
- Submitted the first electronic annual report to CIWQS as required by the NPDES permit for the Old Alameda Creek Intermittent Wet Weather outfall.
- Modified the Treatment Plant analytical testing schedule to accommodate changes to the NPDES permit that went into effect July 1, 2017 and monitoring for the local limits program.
- Initiated the recruitment process for a Laboratory Director for the R&S team.
- Finalized scope of work for the Volute Thickener Pilot testing.
- Performed a preliminary economic evaluation of aeration membrane cleaning pilot and worked with the vendor to identify a date for Phase II testing.
- Attended the BACWA Permits Meeting.
- Managed contractor cleaning of Secondary Digester No. 2.
- Conducted multiple full Treatment Plant flow shutdowns to facilitate Control Box No. 1 cleaning and the replacement of the Alvarado Force Main Isolation gate valves by CIP Contractors.

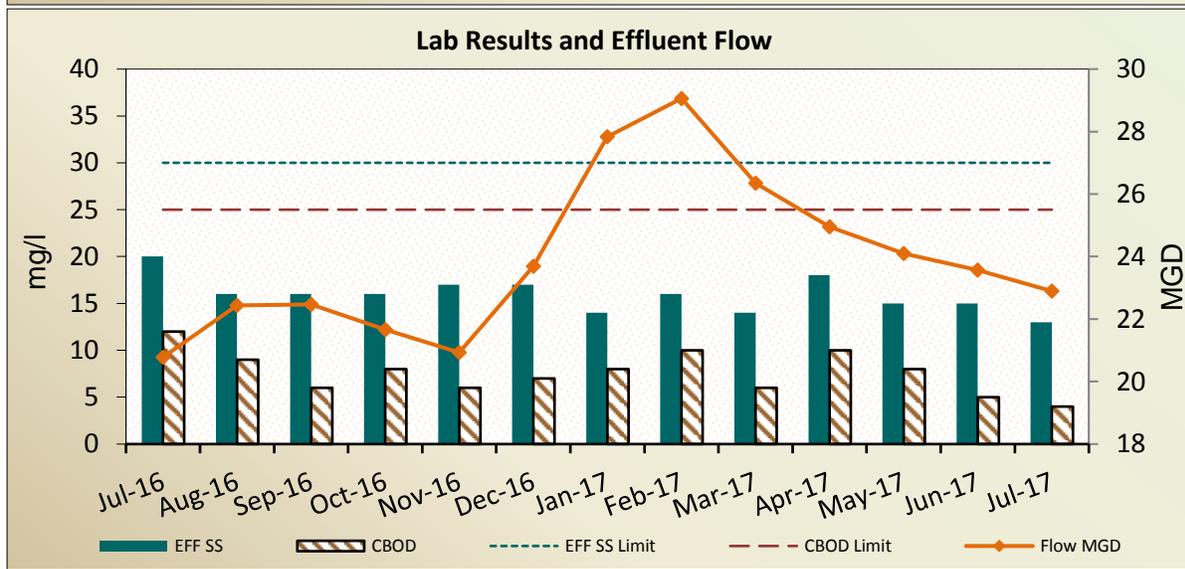
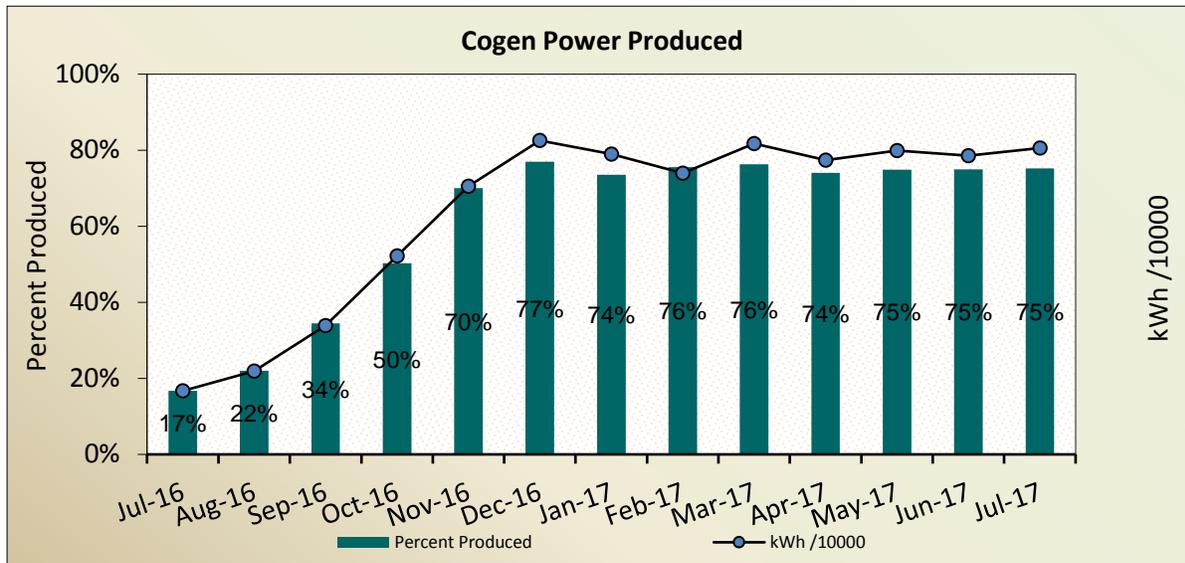
Future Planning

- Attended SSCAR Phase II workshop and review Chapter 7 when delivered.
- Respond to BAAQMD site inspection report.
- Conduct Volute Thickener Pilot test.
- Conduct Phase II aeration membrane cleaning.
- Submit nutrient data as required under the Nutrient Watershed Permit.
- Prepare technical data on Plant air sources for BAAQMD 11-18 evaluation.
- Facilitate startup of new pumps, tanks and piping at Odor Control Building for the Chemical Piping, Tank, and Pump Replacement CIP Project.
- Conduct Additional full Treatment Plant Flow Shutdowns to facilitate Control Box No. 1 Cleaning and the replacement of the Alvarado Force Main Isolation gate valves by CIP Contractors.
- Conduct recruitment for new Plant Operator 3 Trainee.

Other

- Cogen system produced 75% of power consumed for the month of July.

Performance Measurements



USD's Final Effluent Monthly Monitoring Results				
Parameter	EBDA Limit	May-17	Jun-17	Jul-17
Copper, µg/l	78	5.8	6.0	4.3
Mercury, µg/l	0.066	0.00481	0.00278	0.00214
Cyanide, µg/l	42	< 3.9	< 3.9	< 3.9
Ammonia- N, mg/L (Range)	130	34.8 - 41.3	40.9 - 43.0	39.6 - 42.8
Fecal Coliform, MPN/100ml (Range)				
• 5-Sample Geometric Mean	500	22 - 46	11 - 43	18 - 75
• 11-Sample 90th Percentile	1100	43 - 55	55 - 98	43 - 197
Enterococci				
• 5-Sample Geometric Mean	242	17 - 28	10 - 11	< 10 - 10
E = Estimated value, concentration outside calibration range. For SIP, E = DNQ, estimated concentration.				



Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

DATE: August 21, 2017

MEMO TO: Board of Directors - Union Sanitary District

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

SUBJECT: Agenda Item No. 9 – August 28, 2017
Information Item: **Update on Fats, Oils, and Grease (FOG) Public Outreach Campaign**

Recommendation

Receive an update regarding Fats, Oils, and Grease (FOG) campaign design options and provide feedback as necessary.

Background

It has been the goal of staff to periodically update USD's Fats, Oils, and Grease (FOG) public outreach campaign. The original campaign was launched in 2012 with the primary intent of reaching out to targeted residential neighborhoods in which FOG "hot spots" were found in USD's mains. The outreach materials contained messages about actions customers could take to help control FOG in sewers, with the effect of protecting property and the environment.

In response to feedback received, including concern that the current photos depict actions that are negative and could possibly be misunderstood by customers, staff extensively researched the materials of other agencies to assess whether an existing program might be used as a basis for USD's updated campaign. It was determined that other existing programs do not offer imagery or design that would stand out as strongly and uniquely as the District desires.

Staff drafted modified materials to depict positive actions customers can take to appropriately dispose of residential FOG. Two approaches were followed: One that depicts FOG as lively illustrated figures, and one that uses photographs to portray positive actions.

Staff felt that the illustrations would be eye-catching and humorous, and would avoid using unappetizing images to depict grease, as are often found in other agencies' materials. However; internal polling revealed that the illustrations are not immediately identifiable as FOG and could be confusing to customers. The second approach using photographs was then developed as an additional option.

Both options are in early draft form and would require fine-tuning, based on feedback received to date from stakeholders. These designs will not be ready for use during the upcoming holiday season. Staff is proposing to slightly modify USD's current design to help better clarify the intent of the program (see attached) for 2017 holiday outreach. When new concepts are further developed, staff will return to the Board with another update.

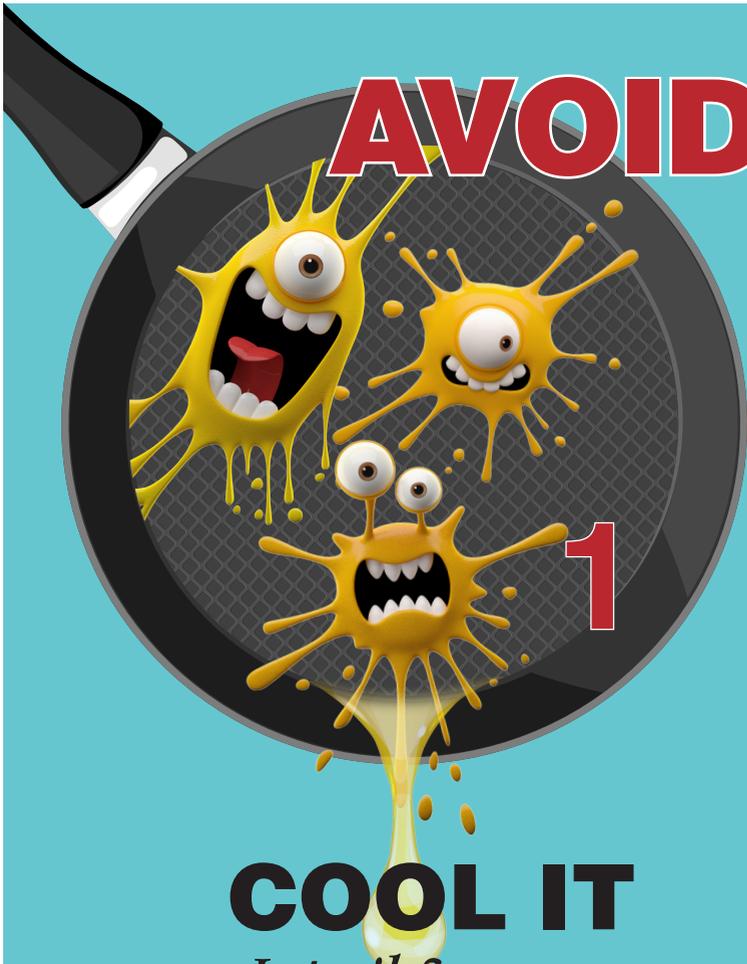
In addition to USD's current FOG outreach activities, staff also proposes the addition of shopping cart signage, to be installed on the front (or "nose") of carts in available Tri-City stores. This campaign would begin Thanksgiving week.

Attachments:

- FOG message using illustrations
- FOG message using photos
- Original FOG imagery with "International NO" addition

AVOID FOG CLOGS!

Keep Fats, Oils, & Grease (FOG) out of Your Drains!



COOL IT

Let oil & grease cool down



CAN IT

Put into empty can



TRASH IT

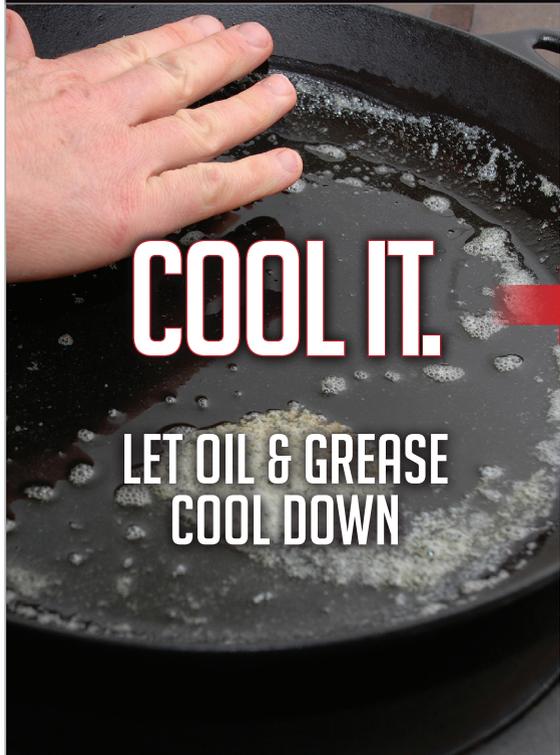
Place in your garbage



Union Sanitary District
StopFOG.com

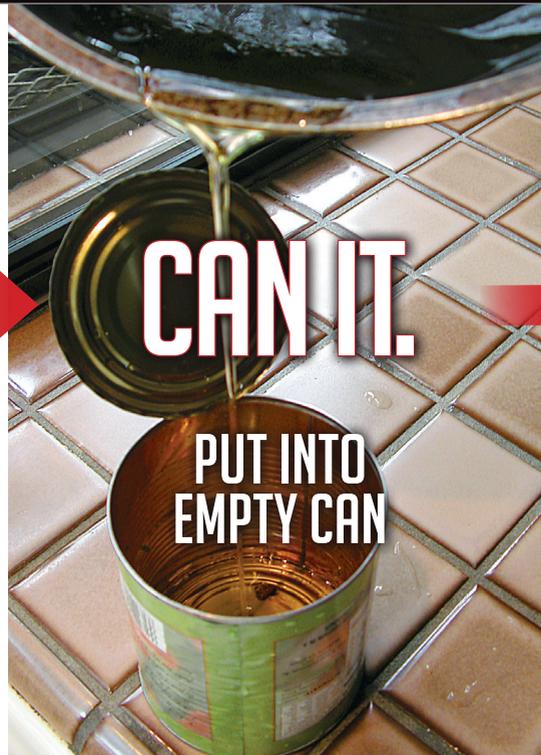
AVOID FOG CLOGS!

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



COOL IT.

LET OIL & GREASE
COOL DOWN



CAN IT.

PUT INTO
EMPTY CAN



TRASH IT.

PLACE IN
YOUR GARBAGE

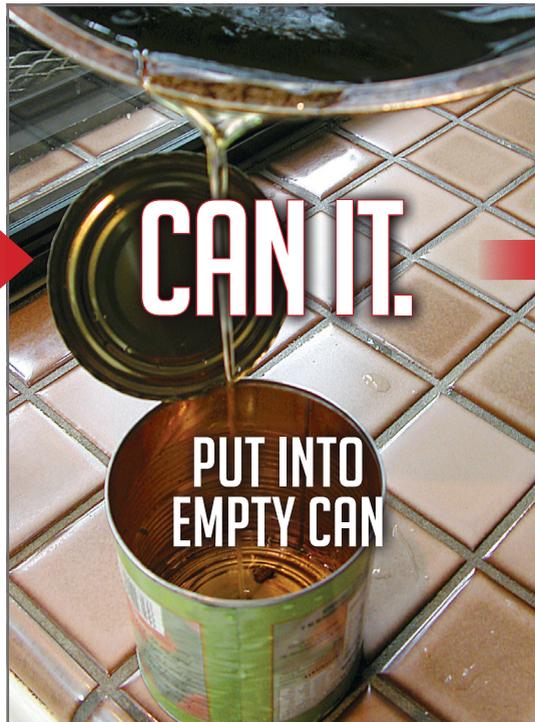


Union Sanitary District

StopFOG.com

DON'T RUIN A GOOD MEAL

DISPOSE OF FATS, OILS, AND GREASE PROPERLY

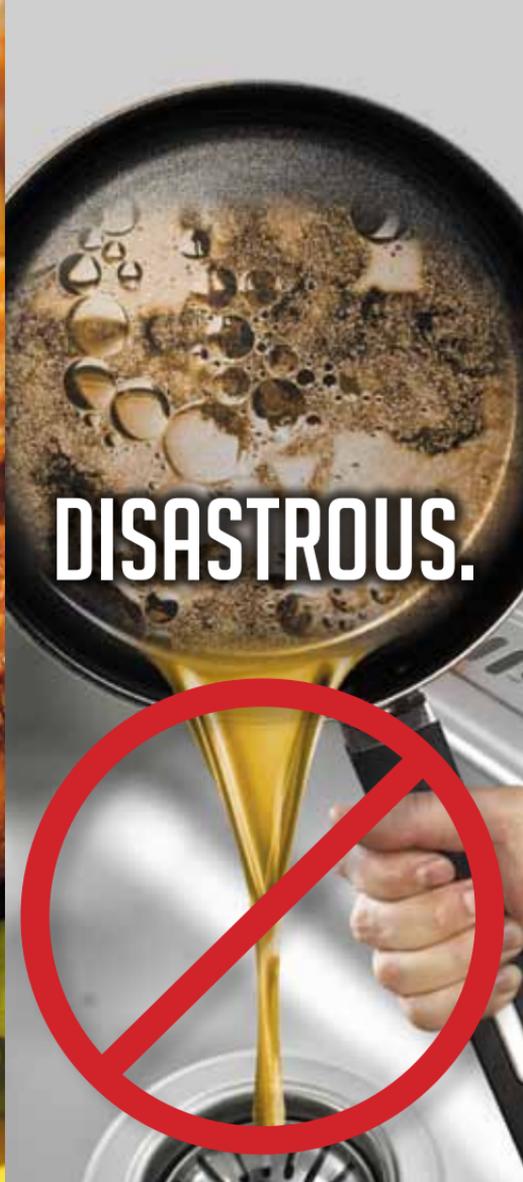


Union Sanitary District

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DELICIOUS.



DISASTROUS.

**DON'T RUIN A GOOD MEAL. DISPOSE
OF FATS, OILS AND GREASE PROPERLY.**





DELICIOUS.



DISASTROUS.

**DON'T RUIN A GOOD MEAL.
DISPOSE OF FATS, OILS AND GREASE PROPERLY.**

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Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

DATE: August 21, 2017

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Sami E. Ghossain, Manager of Technical Services

SUBJECT: Agenda Item No. 10 - Meeting of August 28, 2017
Information Item: **Status of Priority 1 Capital Improvement Program Projects**

Recommendation

Information Only.

Background

In June 2016, the Board approved the Capital Improvement Program (CIP) budget for FY17 in the amount of \$14.67 million for the design and construction of 24 CIP projects.

These 24 projects are further ranked as Priority 1 and 2 projects based on a criteria prepared by staff and approved by the Executive Team. A copy of the criteria used to prioritize the projects is attached for your reference.

The status of the Priority 1 CIP projects is reviewed by the Executive Team at the end of each quarter and a copy of the status report is attached for the Board's review. For FY17, 16 projects are ranked as Priority 1 projects and the remaining eight (8) are ranked as Priority 2 projects.

Agenda Item No. 10
Meeting of August 28, 2017
Page 2

Also attached is a tabular summary of the number and nature of the ongoing CIP projects at the District during FY 17.

PRE/SEG:ks

Attachments: Priority 1 CIP Projects for FY 17 - Status Report
Summary of CIP Projects for FY 17
Priority 1 CIP Project Criteria
Priority 2 & 3 CIP Project Criteria

Priority 1 Projects for FY 17 – Status Report

	Project	Planned Milestones	Status after 1st Quarter	Status after 2nd Quarter	Status after 3rd Quarter	Status after 4th Quarter
1	Aeration System Rehab (High Speed Blower)	Substantial Completion of Project construction by December 2016.	Project was substantially completed on August 12, 2016.	Board accepted Project on December 12, 2016.	Completed.	Completed.
2	Alvarado-Niles Rd. Sewer Rehab	Substantial Completion of Project construction by December 2016.	CIPP work is complete except for one cast iron lining repair location. Contractor has removed all bypass piping and completed final paving of all intersections.	Project was substantially completed on October 11, 2016.	Completed.	Completed.
3	Cogen Engine Rebuild	Install replacement Cogen No. 1 by September 2016.	Replacement engine block was installed on September 12, 2016.	Old Cogen was returned to manufacturer for analysis.	Analysis was reviewed and responded to. Awaiting manufacturer response.	Replacement engine block is completed. Awaiting manufacturer's second response reg old Cogen.
4	Diffuser Replacement	Substantial Completion of Project construction by October 2016.	Project was substantially completed on July 11, 2016.	Board accepted the Project on July 25, 2016.	Completed.	Completed.
5	Digester No. 3 Insp and Rehab	a) 50% design by May 2017. b) Complete condition assessment by June 2017. c) 100% design by July 2017.	CIP met with TPO and FMC staff to discuss the project scope of work. CIP will estimate the construction cost for requested scope before deciding on final project elements.	Carollo Engineers was selected as design consultant through an RFP process. Began negotiation of design task order.	50% design review was completed in March 2017. Process of taking Digester No. 3 offline for cleaning has begun.	90% design completed in June 2017. Condition assessment slightly behind due to delay in awarding digester cleaning contract.

6	Equalization Storage at Alvarado	Pending final location of the storage basin, submit a wetlands and waters delineation permit application to the Army Corps of Engineers within 3 months of finalizing the final location of the storage basin.	Final location of the storage basin has not been determined yet.	Meetings were held with ACFCD, RWQCB and ACWD to discuss the merits of utilizing ACFCD property for effluent storage basin.	RMC to evaluate alternatives for the plant's peak wet weather final effluent, as part of the Plant Master Plan study.	RMC continued to evaluate alternatives for the plant's peak wet weather final effluent. Options screening workshop was held on June 13, 2017.
7	Force Main corrosion Repairs – West	<ul style="list-style-type: none"> a) Execute Agreement and task order by November 2016. b) 100% design by May 2017. c) Const. award by August 2017. 	Selected West Yost as the design consultant for the project. Met with West Yost to review project scope and begin task order negotiations.	Executed Agreement and task order and completed pre-design services.	75% design review was completed in February 2017. 90% design submittal was received in March 2017.	100% design was completed in April 2017. Construction contract was awarded in June 2017.
8	Fremont & PP LS Internal Lift Pumps	<ul style="list-style-type: none"> a) Install new screw pumps at both lift stations and start up by November 2016. b) Substantial Completion construction by February 2017. 	New screw pumps were installed at Fremont LS in September. Functional and operational tests of pumps at Fremont LS are scheduled in October 2016.	New pump motors at both lift stations were undersized. Contractor placed order for new motors and gear drives. Functional and operational tests will occur in the third quarter.	<p>Pump installation and start up at both lift stations was completed in March 2017.</p> <p>Awaiting installation of canopies at both lift stations.</p>	<p>Canopies were installed in May 2017.</p> <p>Substantial completion was not issued due to final pump testing.</p>

9	Hypochlorite Tanks and PVC piping replacement	<ul style="list-style-type: none"> a) Issue NTP by September 2016. b) Deliver new chemical tanks and metering pumps for the Odor Control Building by April 2017. c) Replace at least two tanks at the Odor Control Building by July 2017. d) Substantial Completion by January 2018. 	Issued NTP on August 18, 2016 and conducted the preconstruction conference with the contractor on August 23, 2016. Contractor began submittals process.	Completed the trench excavation for sodium hypochlorite pipeline replacement between the Maintenance Shop Building and the Water Champ.	New metering pumps for the Odor Control Building were delivered in March 2017. New chemical tanks are expected in May.	<p>Replaced two of four tanks at the Odor Control Building in June 2017.</p> <p>Continued to install new chemical piping in the Odor Control Building.</p>
10	MCC and PLC Replacement Phase 3	<ul style="list-style-type: none"> a) Complete PLC 8 (West Aeration Blower Building) commissioning by January 2017. b) Substantial Completion by March 2017. 	Contractor completed conduit installation in advance of the PLC 8 equipment cutover scheduled on October 10, 2016.	Project substantially completed on December 9, 2016.	Project was accepted by the Board on February 13, 2017.	Completed.
11	Newark Backyard Sewer Relocation	Phase 3 - Substantial Completion of Project construction by December 2016.	Completed new main installation, lateral installation, and final paving. Substantial completion should be in October 2016.	Project substantially completed on October 7, 2016.	Project was accepted by the Board on March 13, 2017.	Completed.
12	Newark Pump Station Mod Valve and Boost Line Mods	<ul style="list-style-type: none"> a) 50% design by February 2017. b) 100% design by April 2017. c) Bid Opening and Award by July 2017. 	Evaluating the addition of the Newark PS wet well fan replacement. Began design fee negotiations with Carollo.	Executed Agreement and task order for design on December 2 nd . Design kickoff meeting was held on December 21, 2016.	90% design review was completed in March 2017.	<p>100% design was completed in May 2017.</p> <p>Opened bids in June 2017. Construction contract award in July 2017.</p>

13	Pine St. Easement	Substantial Completion of Project construction by December 2016.	Completed all field work and punch list items. Project substantial completion should be issued in October 2016.	Board accepted the Project on December 12, 2016.	Completed.	Completed.
14	Plant Facilities Improvements	a) Complete the 60-inch diameter primary effluent pipeline lining repair by January 2017. b) Project Substantial Completion by April 2017.	Due to changed site condition, the repair of the 60" primary effluent pipeline lining will be modified. Repair is scheduled to begin on October 4, 2016.	Repair of the 60" primary effluent pipeline was completed on October 21, 2016.	Project was accepted by the Board on March 27, 2017.	Completed.
15	Thickener Control Bldg. Modifications Project	a) Construction of new Thickener Control Area Structure by November 2016. b) Startup and Testing of New Pumps and Grinders by January 2017. c) Substantial Completion of Project construction by April 2017.	New splitter box was placed in service on September 19, 2016. Completed construction of the new Thickener Control Area Structure with 95% of the steel coating completed in September 2016.	New Thickener Structure was completed in October 2016. Startup and testing of new pumps was completed in December 2016. Relocation of interim pumps was completed in December 2016.	Project was substantially completed on March 3, 2017. Punch list work and contract change order negotiations remain.	Punch list work and contract change order negotiations continue.
16	Wet Weather Flow Management	Complete environmental review within 3 months of accepted conditional offer for any viable property.	Awaiting for opportunity to make an offer on viable property.	Plant Master Plan effort includes real estate consultant to assist in developing a plan and strategy for acquiring parcels.	Inquiries into several properties has begun.	Inquiries into several properties continued.

SUMMARY OF CIP PROJECTS FOR FY 17

Type of Project	Number of Projects	Names of Projects
Collection System	Three	<ol style="list-style-type: none"> 1. Alvarado-Niles Blvd. Sewer Rehab 2. Newark Backyard Sewer Relocation, Phase III 3. Pine Street Easement Repair
Transport System	Five	<ol style="list-style-type: none"> 1. Equalization Storage at Alvarado 2. Forcemain Corrosion Repairs – West 3. Fremont & PP LS Internal Lift Pumps 4. Newark PS Mod Valve & Boost Line Mods 5. Wet Weather Flow Management
Treatment System	Sixteen	<ol style="list-style-type: none"> 1. 3rd Degritter System 2. Aeration System Rehab 3. Cogeneration Project, Phase II 4. Cogen Engine Rebuild 5. Diffuser Replacement 6. Digesters 1 – 3 Gas Isolation Valves 7. Digester No. 3 Inspection and Rehab 8. Digester No. 7 9. Emergency Outfall Improvements 10. Headworks Valve Box Gate Valves 1 – 3 11. Hypochlorite Tanks and PVC piping replacement at OCB and NPS. 12. MCC Replacement Project, Phase III 13. Plant Facilities Improvements Project 14. Sludge Drying (BACWA) 15. Standby Power Generation System Upgrade 16. Thickener Control Bldg. Improvements Project

Total:

24

PRIORITY 1 CIP PROJECT CRITERIA

Priority 1 Projects:

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

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

PRIORITY 2 & 3 CIP PROJECT CRITERIA

Priority 2 Projects

1. These are planned projects related to the replacement of electrical and mechanical equipment identified by the Plant Master Plan – this equipment is not in imminent danger of failure but needs to be replaced at a future date.
2. These are planned pipeline rehab/replacement projects that are identified either by the Master Plan or by the Maintenance staff and need to be completed to improve the condition of existing sewers to safeguard against potential maintenance problems – these pipelines are not in imminent danger of failure.
3. These projects do not have any immediate negative impacts on either other agencies or other projects.
4. Examples: Blacow Road Sewer Replacement, Cast Iron Pipe Replacement, Thickener Mechanism 3&4 Replacement, Rehab of Clarifiers 5&6.

Priority 3 Projects

1. These are capacity projects identified by the master plans that will address future capacity needs of the District.
2. These projects are place holders and need to be defined at a future date
3. The District will not suffer any financial loss or claim, if these projects are delayed.
4. Examples: Cedar Relief Sewer, Hetch Hetchy Relief Sewer, Digester No. 7, Secondary Clarifiers 7 & 8.



Directors

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Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

DATE: August 21, 2017

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Sami E. Ghossain, Manager of Technical Services

SUBJECT: Agenda Item No. 11 - Meeting of August 28, 2017
Information Item: **Fourth Quarterly Report on the Capital Improvement Program for FY17**

Recommendation

Information only.

Background

In June 2016, the Board approved the Capital Improvement Program (CIP) budget for FY17 in the amount of \$14.67 million for the design and construction of 24 CIP projects. The fourth quarter expenditures for FY17 are shown on the attached budget projection graphs. These graphs depict actual expenditures versus approved budget for the Capacity Fund 900, the Renewal and Replacement Fund 800 as well as for both funds, combined.

The total CIP expenditure up to June 30, 2017, was below the projections for the fourth quarter by approximately \$966,000. The main projects that incurred less than the projected expenditures are the Wet Weather Flow Management, Cogen Phase II, and Cogen Engine Rebuild projects. The main projects that incurred more than the projected expenditures are the Hypochlorite Tank and PVC pipe replacement, and the Thickener Control Bldg. projects.

These primary variances are tabulated as follows:

Project	Variance at the end of 4th Quarter (x \$1000)	Comments
Wet Weather Flow Management	-1,215	Pending the opportunity to locate a viable property.
Cogen Engine Rebuild	-450	Pending the resolution of Engine No. 1 failure analysis.
Cogeneration Project - Phase II	-315	Pending the resolution of a few issues including engine rebuild, engine cooling, and building ventilation.
Hypochlorite Tank and PVC pipe replacement	500	Progress payments expected in FY18 were made in FY17.
Thickener Control Bldg.	514	Due to initial project delays, progress payments expected in FY16 were made in FY17.
Total Variance for the 4th Qtr.	-966	

In addition to the five (5) projects listed above, the following projects were either in design or in construction during FY17:

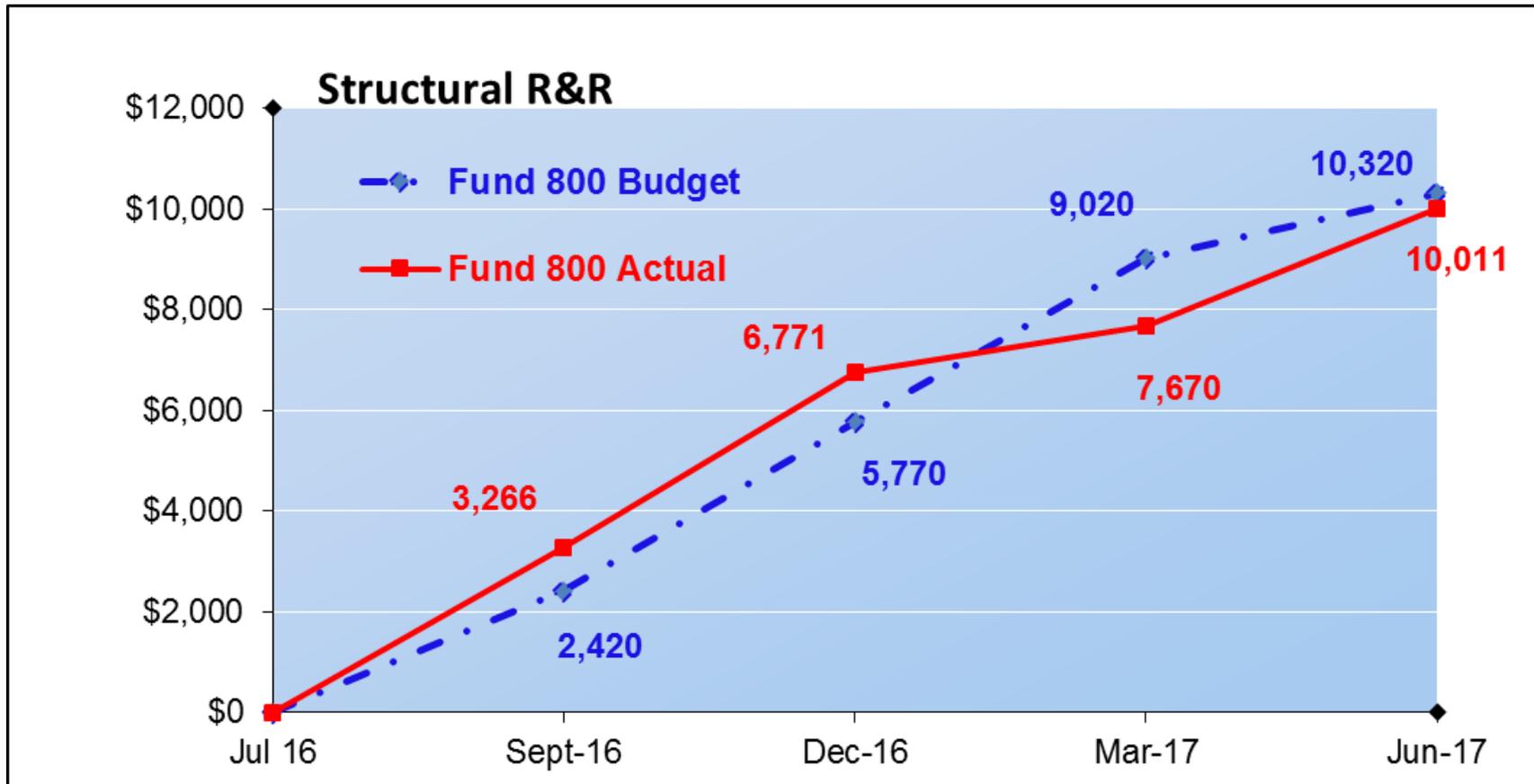
1. Alvarado-Niles Blvd. Sewer Rehab
2. Aeration System Rehab (High Speed Blower)
3. Diffuser Replacement
4. Digester No. 3 Inspection and Rehab
5. Equalization Storage at Alvarado
6. Force Main Corrosion Repairs – West
7. Fremont & Paseo Padre Lift Stations Internal Lift Pumps
8. MCC and PLC Replacement Phase 3
9. Newark Backyard Sewer Relocation Phase 3
10. Newark Pump Station Modulating Valve and Boost Line Modifications
11. Pine St. Easement
12. Plant Facilities Improvements

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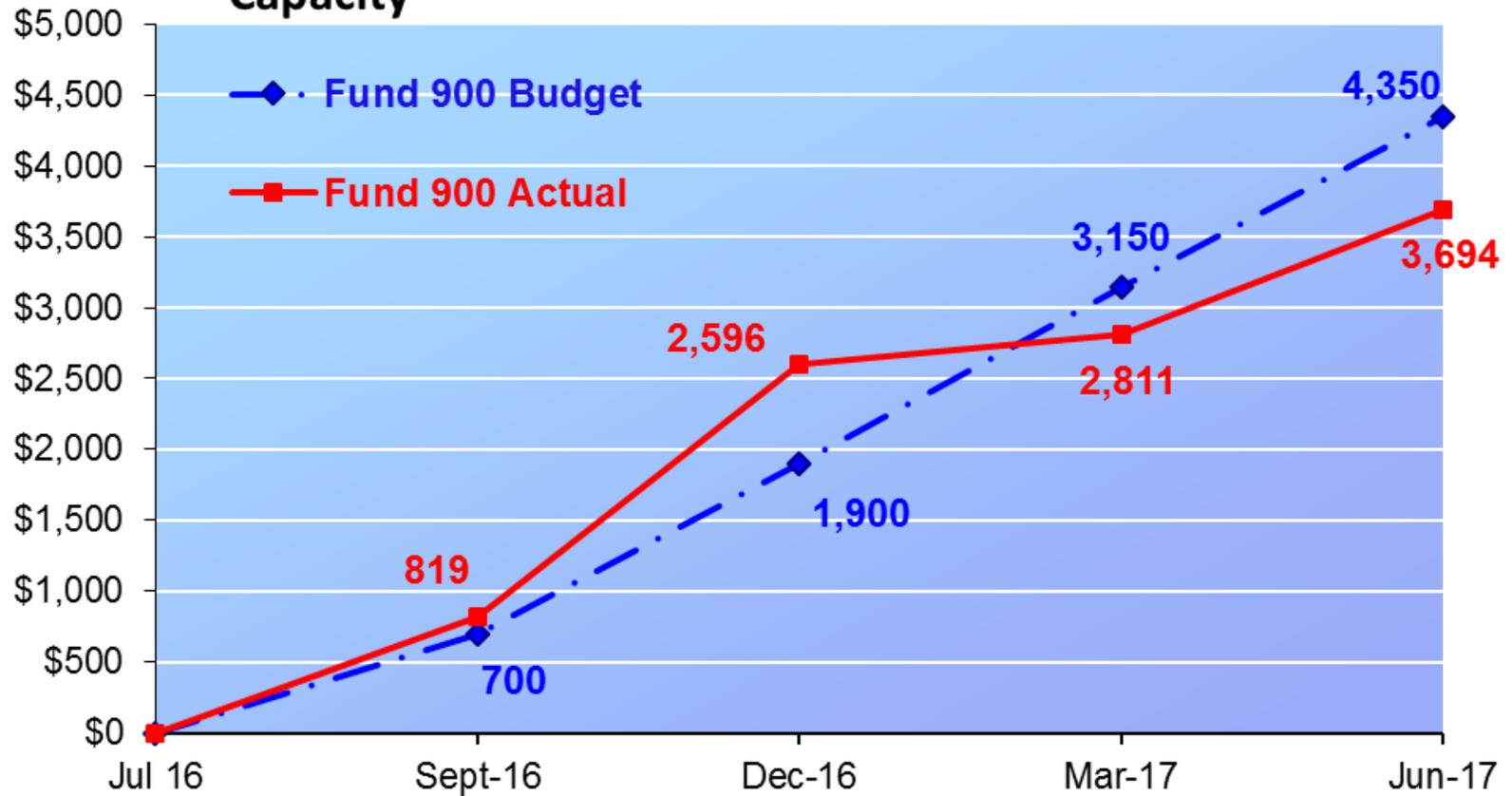
In addition, seven (7) other smaller projects were either in design or in construction during FY17.

PRE/SEG:ks

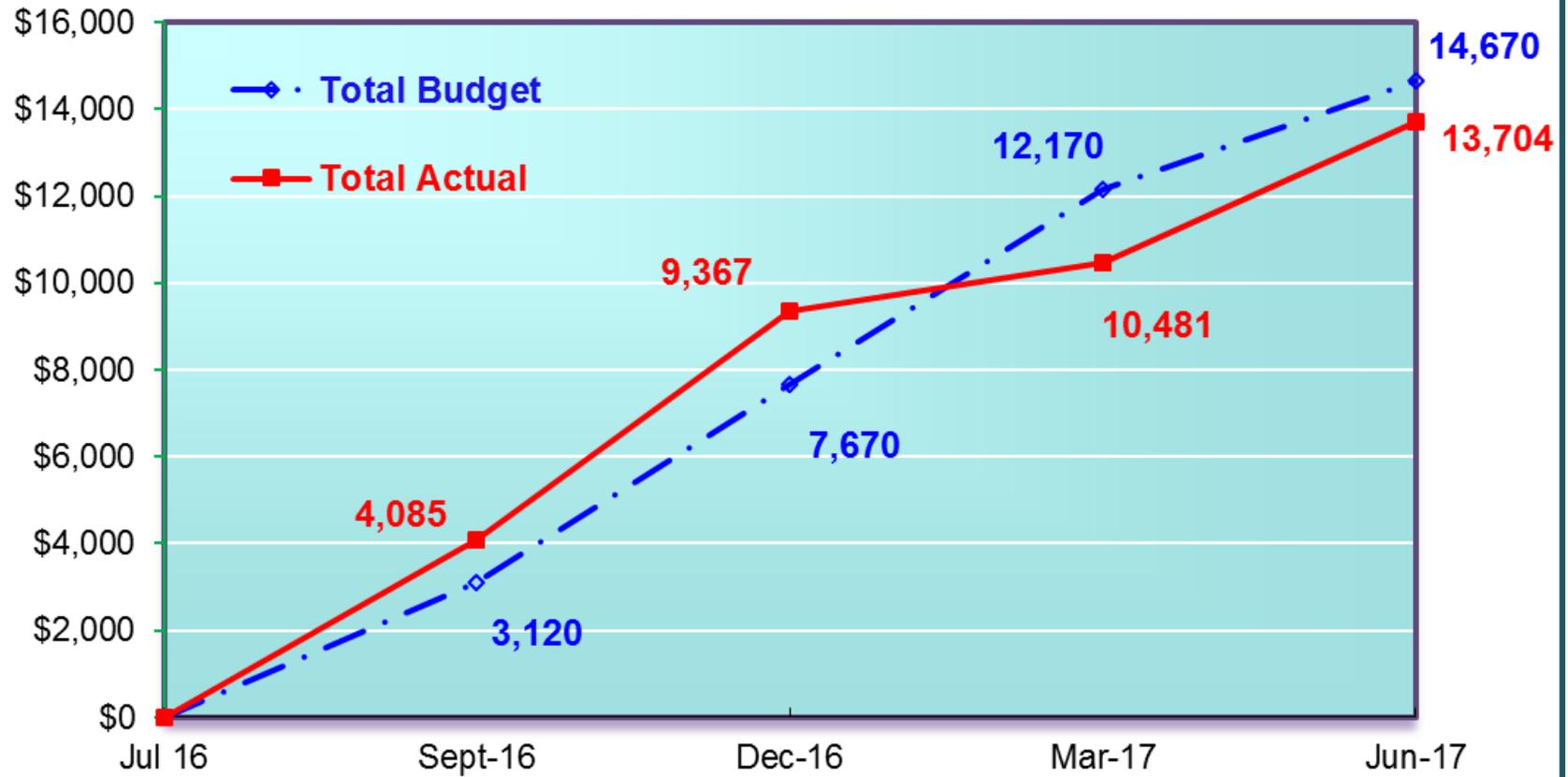
Attachment: Budget Graphs



Capacity



Total Cumulative



**UNION SANITARY DISTRICT
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8/05/2017-08/18/2017**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165158	8/10/2017	3052	EAST BAY DISCHARGERS AUTHORITY	O&M ASSESSMENT, JUL-SEP 2017	\$348,231.21	\$462,081.21
	8/10/2017	3058		RNWL & REPL FUND ASSES FY18	\$113,850.00	
165148	8/10/2017	11296261	BROWN & CALDWELL CONSULTANTS	STANDBY POWER SYSTEM UPGRADE	\$13,804.59	\$49,078.44
	8/10/2017	11296265		PRIMARY DIGESTER NO. 7	\$8,373.38	
	8/10/2017	11296299		EMERGENCY OUTFALL OUTLET IMPROVEMENTS	\$26,900.47	
165151	8/10/2017	159348	CAROLLO ENGINEERS	DIGESTER NO. 3 INSP & REHAB	\$31,366.34	\$31,366.34
165219	8/17/2017	81017A	COMCAST OF CALIFORNIA,	COMCAST CUSTOM INSTALL FEES	\$27,000.00	\$27,000.00
165225	8/17/2017	14245	FONG & FONG PRINTERS & LITHO	POSTAGE FOR NEWSLETTER	\$23,423.84	\$23,423.84
165223	8/17/2017	903186853	EVOQUA WATER TECHNOLOGIES	4,408 GAL HYDROGEN PEROXIDE	\$20,512.19	\$20,512.19
165251	8/17/2017	533620170724	US BANK CORP PAYMENT SYSTEM	MONTHLY CAL CARD STMT - JULY 2017	\$19,876.68	\$19,876.68
165244	8/17/2017	24448	RMC WATER AND ENVIRONMENT	USD PLANT MASTER PLAN	\$2,651.59	\$18,154.64
	8/17/2017	24447		USD EFFLUENT MANAGEMENT STUDY	\$15,503.05	
165157	8/10/2017	2345494C	DELTA DENTAL SERVICE	JULY 2017 DENTAL	\$15,075.68	\$17,070.19
	8/10/2017	2345494A		JULY 2017 DENTAL	\$1,994.51	
165245	8/17/2017	3018311	SAN FRANCISCO ESTUARY INST	ANNUAL PARTICIPANT FEE FOR RMP 2018	\$16,364.00	\$16,364.00

**UNION SANITARY DISTRICT
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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165152	8/10/2017	JBC1018	CDW GOVERNMENT LLC	CREDIT INFOCUS DLP	\$-986.44	\$15,466.73
	8/10/2017	JNG5253		FY2017 RANDR	\$5,612.82	
	8/10/2017	JHD3903		VEEAM RENEWAL	\$7,829.52	
	8/10/2017	HVD0321		CENTERVILLE PROJECTOR	\$1,099.20	
	8/10/2017	HVC8836		FY2017 RANDR	\$1,911.63	
165140	8/10/2017	4107393520170731	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 7/31/17-MTR HYD 16435269	\$1,089.04	\$15,108.34
	8/10/2017	4107393420170731		SERV TO: 7/31/17-MTR HYD 15952331	\$481.99	
	8/10/2017	4107361120170731		SERV TO: 7/31/17-MTR HYD 15001101	\$688.39	
	8/10/2017	4107393020170731		SERV TO: 7/31/17-MTR HYD 15141193	\$481.99	
	8/10/2017	4107393120170731		SERV TO: 7/31/17-MTR HYD 16435270	\$947.40	
	8/10/2017	4107361320170731		SERV TO: 7/31/17-MTR HYD 16320037	\$639.82	
	8/10/2017	4071036120170719		SERV TO: 07/19/17-BENSON ROAD	\$10,026.57	
	8/10/2017	4107393220170731		SERV TO: 7/31/17-MTR HYD 16435275	\$753.14	
165153	8/10/2017	381111875	CH2M HILL INC	ODOR CONTROL ALTERNATIVES STUDY	\$10,078.74	\$10,078.74
165211	8/17/2017	216030	BURKE, WILLIAMS & SORENSON LLP	COGEN - JUNE 2017	\$257.40	\$9,779.75
	8/17/2017	216031		GENERAL LEGAL/CIP - JUNE 2017	\$7,007.00	
	8/17/2017	216029		GENERAL LEGAL - JUNE 2017	\$2,515.35	
165184	8/10/2017	24237	RMC WATER AND ENVIRONMENT	ALVARADO BASIN SEWER MASTER PLAN UPDATE	\$9,510.13	\$9,510.13
165190	8/10/2017	17070875	UNDERGROUND SERVICE ALERT	USA ANNUAL MEMBERSHIP	\$9,481.80	\$9,481.80

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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165149	8/10/2017	31319	CALIFORNIA WATER TECHNOLOGIES	45,240 LBS FERROUS CHLORIDE	\$4,813.62	\$9,296.18
	8/10/2017	31365		41,880 LBS FERROUS CHLORIDE	\$4,482.56	
165159	8/10/2017	903182270	EVOQUA WATER TECHNOLOGIES	1,801 GAL HYDROGEN PEROXIDE	\$8,380.77	\$8,380.77
165172	8/10/2017	37432220170801	LINCOLN NATIONAL LIFE INS COMP	LIFE & DISABILITY INSURANCE - AUG 2017	\$7,724.66	\$7,724.66
165249	8/17/2017	7602	THORNTON ENVIRONMENTAL CONST	FUEL ISLAND VAPOR TESTING	\$1,546.00	\$7,652.50
	8/17/2017	6367		ANNUAL TANK MONITOR CERTIFICATION SERVICE	\$6,106.50	
165160	8/10/2017	238215	FRANK A OLSEN COMPANY	DEGRITTER 6" VALVE AND ACTUATOR	\$7,319.92	\$7,319.92
165191	8/10/2017	827601	UNIVAR USA INC	5001 GALS SODIUM HYPOCHLORITE	\$2,453.41	\$7,063.91
	8/10/2017	826844		4598 GALS SODIUM HYPOCHLORITE	\$2,255.70	
	8/10/2017	828055		4800 GALS SODIUM HYPOCHLORITE	\$2,354.80	
165197	8/10/2017	39182	WECO INDUSTRIES LLC	CAMERA REPAIRS	\$1,115.72	\$6,345.44
	8/10/2017	39195		CAMERA REPAIRS	\$3,534.25	
	8/10/2017	38536		FREIGHT CHARGE FOR WECO - CAMERA REPAIRS	\$94.83	
	8/10/2017	38537		FREIGHT CHARGE FOR WECO - CAMERA REPAIRS	\$188.02	
	8/10/2017	38645		FREIGHT CHARGE FOR WECO - CAMERA REPAIRS	\$64.43	
	8/10/2017	39185		CAMERA REPAIRS	\$1,348.19	
165240	8/17/2017	8471702	OVIVO USA LLC	8 ASTD CLARIFIER PARTS	\$6,318.00	\$6,318.00
165200	8/17/2017	12607	ALAMEDA COUNTY WATER DISTRICT	COST SHARE HET/HEU REBATE PROGRAM	\$6,225.00	\$6,225.00
165199	8/17/2017	1444	A PLUS JANITORIAL SERVICE	JULY 2017 JANITORIAL SERVICE - BUILDINGS 69, 70, 82, 83	\$5,999.00	\$5,999.00

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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165235	8/17/2017	18431	JENSEN INSTRUMENT COMPANY	2 MAGNETIC FLOW TUBE	\$5,850.94	\$5,850.94
165221	8/17/2017	278735	ENTHALPY ANALYTICAL LLC	28 LAB SAMPLE ANALYSIS	\$1,545.00	\$5,835.00
	8/17/2017	278803		16 LAB SAMPLE ANALYSIS	\$1,620.00	
	8/17/2017	278834		54 LAB SAMPLE ANALYSIS	\$2,350.00	
	8/17/2017	278864		21 LAB SAMPLE ANALYSIS	\$320.00	
165234	8/17/2017	5274	JACK DOHENY SUPPLIES, INC.	PACP TRAINING (7 CS EMP) AUG & NOV 2017	\$5,600.00	\$5,600.00
165212	8/17/2017	31382	CALIFORNIA WATER TECHNOLOGIES	43,380 LBS FERROUS CHLORIDE	\$4,506.13	\$4,506.13
165173	8/10/2017	102749	MCINERNEY & DILLON, P.C.	LEGAL SERVICES - FRONT END SPECS AB626	\$1,012.50	\$4,326.50
	8/10/2017	102748		LEGAL SERVICES - PASEO PADRE LIFT STATION	\$1,950.00	
	8/10/2017	102751		LEGAL SERVICES - CAST IRON/PIPING LINING PROJECT	\$726.50	
	8/10/2017	102750		LEGAL SERVICES - FMC SITE - ACCESS FOR REMEDIATION	\$637.50	
165178	8/10/2017	096020170801	PACIFIC GAS AND ELECTRIC	SERV TO 7/31/17 CATHODIC PROJECT	\$58.55	\$4,260.19
	8/10/2017	898220170801		SERV TO 07/31/17 FREMONT PS	\$276.04	
	8/10/2017	380420170801		SERV TO 07/31/17 CHERRY ST PS	\$320.44	
	8/10/2017	013720170804		SERV TO 08/03/17 BOYCE RD PS	\$3,211.21	
	8/10/2017	666720170801		SERV TO 07/31/17 PASEO PADRE PS	\$313.31	
	8/10/2017	140120170804		SERV TO 08/02/17 IRVINGTON PS	\$24.89	
	8/10/2017	892820170801		SERV TO 07/31/17 HAYWARD MARSH	\$55.75	
165242	8/17/2017	1157586	POLYDYNE INC	43,220 LBS CLARIFLOC WE-539	\$4,079.32	\$4,079.32

**UNION SANITARY DISTRICT
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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165210	8/17/2017	752079	BRENNTAG PACIFIC, INC.	5128 LBS SODIUM HYDROXIDE	\$2,658.98	\$3,988.48
	8/17/2017	752078		2564 LBS SODIUM HYDROXIDE	\$1,329.50	
165218	8/17/2017	8950	COLD STORAGE GROUP INC	REFUND # 20188	\$3,970.00	\$3,970.00
165142	8/10/2017	9994424	AT&T	SERV: 06/20/17 - 07/19/17	\$19.84	\$3,799.93
	8/10/2017	9994448		SERV: 06/20/17 - 07/19/17	\$204.05	
	8/10/2017	9994426		SERV: 06/20/17 - 07/19/17	\$3,576.04	
165229	8/17/2017	9496731242	GRAINGER INC	14 ASTD FORT TERMINALS	\$254.36	\$3,672.64
	8/17/2017	9496240111		1 LOCKOUT STATION	\$40.43	
	8/17/2017	9498166629		2 YELLOW TAPE, 100FT	\$291.94	
	8/17/2017	9495712201		2 LIFT WHEEL KITS	\$111.86	
	8/17/2017	9494220016		2 RING TERMS	\$574.18	
	8/17/2017	9499475029		1 EA RESPIRATOR & HALF MASK	\$212.26	
	8/17/2017	9497992397		1 PLATFORM LIFT, 2000 LB CAPACITY	\$2,187.61	
165180	8/10/2017	103787	PIIAN SYSTEMS LLC	6 - 5 GAL ODOR NEUTRALIZERS	\$3,638.85	\$3,638.85
165193	8/10/2017	885259	VALLEY OIL COMPANY	1442 GALS CARB DYED DIESEL - NEWARK PUMP STATION	\$3,528.86	\$3,528.86
165195	8/10/2017	20170801	VISION SERVICE PLAN - CA	AUGUST 2017 VISION STMT	\$3,294.72	\$3,294.72
165177	8/10/2017	XCTZ023	PACHECO BROTHERS GARDENING INC	WEED ABATEMENT WORK JULY 2017	\$915.00	\$3,195.00
	8/10/2017	XCTZ022		LANDSCAPE MAINTENANCE SERVICES JULY 2017	\$1,365.00	
	8/10/2017	XCTZ01T		WEED ABATEMENT WORK FEBRUARY 2017	\$915.00	

**UNION SANITARY DISTRICT
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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165150	8/10/2017	17553384	CANON SOLUTIONS AMERICA INC	LEASE 6 CANON COLOR COPIERS	\$3,154.15	\$3,154.15
165182	8/10/2017	916003163216	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - AUG 2017	\$2,527.29	\$2,527.29
165203	8/17/2017	8917	HOWARD ALLEN	REFUND # 20178	\$2,500.00	\$2,500.00
165243	8/17/2017	9224	RESCUE ROOTER	REFUND # 20197	\$2,500.00	\$2,500.00
165194	8/10/2017	9789617098	VERIZON WIRELESS	WIRELESS SERV 06/21/17-07/20/17	\$2,375.74	\$2,375.74
165227	8/17/2017	1841080080	GOODYEAR COMM TIRE & SERV CTRS	2 TIRES	\$760.46	\$2,299.99
	8/17/2017	1841080129		2 TIRES	\$1,539.53	
165139	8/10/2017	170701360	AIRTECH MECHANICAL INC	MONTHLY FILTER CHANGE JUNE 2017	\$915.00	\$2,216.25
	8/10/2017	170701361		FACILITIES HVAC QRTLTY MAINTENANCE	\$1,008.75	
	8/10/2017	170701363		REPAIRS TO BLDG 83	\$292.50	
165174	8/10/2017	42202144	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$28.14	\$2,133.24
	8/10/2017	42577416		2 FANS, PEDESTAL NON-OSCILLATING	\$1,083.41	
	8/10/2017	43213755		1 PACK STEEL HEX NUTS	\$8.21	
	8/10/2017	41990956		20 WARNING-NO TRESPASSING SIGNS	\$184.16	
	8/10/2017	43233029		20 LARGE-CELL BATTERIES	\$543.68	
	8/10/2017	42701452		1 PACK FLUORESCENT LIGHT TUBES	\$67.95	
	8/10/2017	43039203		12 PACKS LITHIUM BATTERIES	\$144.66	
	8/10/2017	43381472		3 PVC PIPE FITTINGS	\$73.03	
165181	8/10/2017	6241	PUMPWORKS INC	COGEN HT PUMP PUMP WORKS	\$1,977.37	\$1,977.37

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CHECK REGISTER
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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165220	8/17/2017	20170728	COMMUNICATION & CONTROL INC	UTILITY FEE/ANTENNA RENTAL	\$1,950.40	\$1,950.40
165246	8/17/2017	20170809	RICHARD SCOBEE	TRAVEL REIMB: LODGING/MEAL/AIRFARE ESRI USER CONF SAN DIEGO	\$1,864.85	\$1,864.85
165145	8/10/2017	12046540	BLAISDELL'S	1 PK STENO BOOKS	\$18.65	\$1,819.73
	8/10/2017	1246560		1 CHAIR MAT	\$31.54	
	8/10/2017	12046580		MECH PENCILS AND LEAD	\$8.74	
	8/10/2017	12052590		1 HP TONER	\$113.03	
	8/10/2017	12052650		ASTD OFFICE SUPPLIES	\$99.98	
	8/10/2017	12053410		1 PK LABELS	\$5.70	
	8/10/2017	12049080		ASTD OFFICE SUPPLIES	\$1,536.06	
	8/10/2017	12052760		1 PK PAPER SEAL MEDALLION	\$6.03	
165176	8/10/2017	1004800	NCC GROUP SECURITY SERVICE LTD	LICENSE RENEWAL NGSSQUIRREL 7/30/17 - 7/29/18	\$1,770.00	\$1,770.00
165248	8/17/2017	3347978570	STAPLES CONTRACT & COMMERCIAL	2 CT FACIAL TISSUE	\$63.63	\$1,658.21
	8/17/2017	3347978565		JANITORIAL/BREAKROOM SUPPLIES	\$999.01	
	8/17/2017	3347978568		JANITORIAL/BREAKROOM SUPPLIES	\$526.99	
	8/17/2017	3347978569		1 CT SANITIZERS	\$68.58	
165198	8/10/2017	4597	ZELAYA DESIGNS	USD NEWSLETTER	\$1,395.00	\$1,649.00
	8/10/2017	4606		PUBLIC OUTREACH - VIDEO ILLUSTRATION	\$254.00	
165185	8/10/2017	20170804	THERESA RODRIGUEZ	TUITION REIMB - SUMMER 2017	\$1,461.51	\$1,461.51
165222	8/17/2017	20170725	DALE HARDWARE INC	07/17 - ASTD PARTS & MATERIALS	\$1,407.62	\$1,407.62

**UNION SANITARY DISTRICT
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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165156	8/10/2017	20170808	MITCHELL COSTELLO	EXP REIMB: FILAMENT ID TRAINING REG	\$1,180.00	\$1,383.97
	8/10/2017	20170808.1		TRAVEL REIMB: FILAMENT ID TRAINING AIRFARE	\$203.97	
165146	8/10/2017	1308720	BMC SOFTWARE INC	NAMED USER AGENT LICENSE FOR FOOTPRINTS	\$1,366.00	\$1,366.00
165187	8/10/2017	7682880900	RS HUGHES CO INC	ASTD SAFETY SUPPLIES	\$1,284.69	\$1,362.94
	8/10/2017	7682880902		10 BX NITRILE MD GLOVES	\$78.25	
165170	8/10/2017	1050193	INDUSTRIAL SAFETY SUPPLY	ASTD CALIBRATION GASES	\$1,329.90	\$1,329.90
165214	8/17/2017	159533	CAROLLO ENGINEERS	FREMONT & PASEO PADRE LS IMPROVEMENTS	\$1,323.00	\$1,323.00
165175	8/10/2017	20170731	NAPA AUTO PARTS	MONTHLY AUTO PARTS STMT - JULY 2017	\$-16.24	\$1,238.88
	8/10/2017	738106		4 BATTERIES	\$1,255.12	
165239	8/17/2017	477178400	NEW PIG CORPORATION	36 BAGS RECYCLED RAGS	\$1,178.87	\$1,178.87
165163	8/10/2017	9492198545	GRAINGER INC	ASTD PARTS & MATERIALS	\$220.16	\$1,099.90
	8/10/2017	9489376674		2 RIBBONS, BLACK	\$285.36	
	8/10/2017	9491377603		2 GREASE GUNS & BATTERIES	\$295.23	
	8/10/2017	9489376682		ASTD PARTS & MATERIALS	\$90.79	
	8/10/2017	9489376690		1 RING TERM	\$174.45	
	8/10/2017	9489183187		1 STORAGE TOTE	\$33.91	
165236	8/17/2017	29017849	KELLY SERVICES INC	TEMP LABOR-LUU, A. WK END 7/23/2017	\$1,061.20	\$1,061.20
165144	8/10/2017	2522037969	BANK OF NEW YORK	JUN 2017 SERVICE FEE	\$1,019.08	\$1,019.08

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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165252	8/17/2017	8049276318	VWR INTERNATIONAL LLC	4 BOTTLES BUFFER	\$83.72	\$1,005.80
	8/17/2017	8049260443		5 PACKS HYDROGEN SULFIDE DETECTOR	\$408.43	
	8/17/2017	8049285268		2 PACKS MICROFIBRE GLS GF	\$513.65	
165141	8/10/2017	598863	A-PRO PEST CONTROL INC	JULY PEST CONTROL	\$1,005.00	\$1,005.00
165216	8/17/2017	7605	DIANA CHAN	REFUND # 20194	\$1,000.00	\$1,000.00
165161	8/10/2017	20170804	SAMI GHOSAIN	EXP REIMB: TS WORK GROUP RECOGNITION LUNCH	\$799.58	\$799.58
165166	8/10/2017	1811899	HANSON AGGREGATES INC	10.34 TONS 1/2 MED TYPE A AC-R	\$776.35	\$776.35
165208	8/17/2017	1062792	BAY AREA NEWS GROUP EAST BAY	ADS: SEWER SERVICE CHARGES & BID CAST IRON LINING PHASE VI	\$764.01	\$764.01
165228	8/17/2017	83783	GORILLA METALS	ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$715.24	\$762.25
	8/17/2017	83813		ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$47.01	
165155	8/10/2017	40298	CLAREMONT BEHAVIORAL SERVICES	AUG 2017 EAP PREMIUM	\$634.80	\$634.80
165196	8/10/2017	8049254748	VWR INTERNATIONAL LLC	5 PACKS HYDROGEN SULFUR DETECTOR TUBES	\$415.46	\$609.27
	8/10/2017	8049208641		1 PK FILTER REPLACE SET	\$12.51	
	8/10/2017	8049208642		1 ANTIFOAM B SILICONE EMUL 500ML	\$181.30	
165179	8/10/2017	20170807	PETTY CASH	PETTY CASH REPLENISHMENT	\$574.41	\$574.41
165215	8/17/2017	8628	MADHU CHALEMCHERLA	REFUND # 20184	\$500.00	\$500.00
165217	8/17/2017	9211	BARNABAS CHOI	REFUND # 20185	\$500.00	\$500.00
165241	8/17/2017	9020	GOVIND PASUMARTHI	REFUND # 20195	\$500.00	\$500.00

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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165250	8/17/2017	114734	TRI-SIGNAL INTEGRATION INC	FIRE PROTECTION SERVICE - MONTHLY CHARGE MONITORING AGREEMENT	\$133.33	\$483.33
	8/17/2017	114735		FIRE PROTECTION SERVICE - UL CERTIFICATE	\$350.00	
165233	8/17/2017	221380	INTERNATIONAL PAINT LLC	ASTD PAINT SUPPLIES	\$417.08	\$417.08
165168	8/10/2017	944720170728	HOME DEPOT CREDIT SERVICES	MONTHLY HARDWARE STMT - JULY 2017	\$401.96	\$401.96
165202	8/17/2017	5167008	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$398.41	\$398.41
165143	8/10/2017	269194001	AUTO BODY TOOLMART	ASTD PARTS & MATERIALS	\$386.65	\$386.65
165164	8/10/2017	10550895	HACH COMPANY	ASTD LAB SAMPLING SUPPLIES	\$379.17	\$379.17
165213	8/17/2017	20170808	CALPELRA	REG EXP: CALPERLA CONFERENCE FOR K KING	\$375.00	\$375.00
165183	8/10/2017	327983	RKI INSTRUMENTS INC	8 HYDROPHOBIC PROBES	\$372.19	\$372.19
165167	8/10/2017	3L1162	HARRINGTON INDUSTRIAL PLASTICS	50 FILTER BAGS	\$371.18	\$371.18
165207	8/17/2017	20170814	JEFFREY BARTON	EXP REIMB: MEALS & LODGING LULU ISLAND AND ANNACIS PLANTS	\$354.43	\$354.43
165189	8/10/2017	8460	TURNER RISK CONSULTING INC	TRENCH SHORING TRAINING - G. OSEGUERA	\$300.00	\$300.00
165206	8/17/2017	1761739	ANALYSTS, INC.	8 LAB SAMPLE ANALYSIS	\$271.55	\$271.55
165232	8/17/2017	5706734	HOSE & FITTINGS ETC	ASTD PARTS & MATERIALS	\$259.15	\$259.15
165154	8/10/2017	438073	CHEMETRICS INC	ASTD LAB TESTING MATERIALS	\$248.76	\$248.76
165247	8/17/2017	20170801	SPOK INC	AUGUST 2017 PAGER SERVICE	\$236.99	\$236.99
165162	8/10/2017	83743	GORILLA METALS	ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$224.31	\$224.31
165238	8/17/2017	43443985	MCMASTER SUPPLY INC	25 PACKS HEX HEAD SCREWS	\$76.43	\$206.66
	8/17/2017	43628684		ASTD PARTS & MATERIALS	\$130.23	

**UNION SANITARY DISTRICT
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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165226	8/17/2017	2772719303	GLACIER ICE COMPANY INC	132 7-LB BAGS OF ICE	\$194.04	\$194.04
165188	8/10/2017	1797949002	SAN LEANDRO ELECTRIC SUPPLY	ASTD ELECTRICAL SUPPLIES	\$180.04	\$180.04
165147	8/10/2017	25217	BRITECH ELECTROPOLISHING	CLEANING & PASSIVATION OF CONTAINERS	\$140.00	\$140.00
165204	8/17/2017	668395	ALLIANT INSURANCE SERVICES INC	PHYSICAL DAMAGE: 4TH QTR MODIFICATION PREMIUM	\$131.00	\$131.00
165186	8/10/2017	20170809	JAMIE ROJO	EXP REIMB: AIRFARE FOR CALPERS EDUCATIONAL FORUM, 10/2017	\$117.97	\$117.97
165169	8/10/2017	5704706	HOSE & FITTINGS ETC	5 ASTD FITTINGS	\$100.55	\$100.55
165209	8/17/2017	12058200	BLAISDELL'S	1 BX POCKET FILES	\$43.89	\$71.86
	8/17/2017	12054160		1 BX LAM POUCHES	\$17.55	
	8/17/2017	12060030		1 PK NOTEBOOKS	\$10.42	
165201	8/17/2017	4047286120170802	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 08/02/17 - PASEO PADRE	\$61.98	\$61.98
165205	8/17/2017	7073319	ALPHA ANALYTICAL LABORATORIES	1 LAB ANALYSIS	\$55.00	\$55.00
165138	8/10/2017	67364	AIR & TOOL ENGINEERING COMPANY	2 PIPE END WITH LOCKING SLEEVE	\$40.72	\$40.72
165165	8/10/2017	266832	HANIGAN COMPANY INC	1 LOT BUSINESS CARDS: BOUCHER	\$39.78	\$39.78
165231	8/17/2017	918055	HAYWARD WATER SYSTEM	WATER SERV 3/09/17 - 05/10/17	\$32.95	\$32.95
165230	8/17/2017	3L1295	HARRINGTON INDUSTRIAL PLASTICS	12 ASTD FITTINGS	\$28.38	\$28.38
165192	8/10/2017	9853297.0	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 07/22/17	\$20.77	\$20.77
165237	8/17/2017	20170815	MICHAEL LUNA	EXP REIMB: PRE-EMPLOYMENT LIVE SCAN FEE	\$20.00	\$20.00
165171	8/10/2017	60500000346413	KELLY-MOORE PAINT COMPANY	ASTD PAINT SUPPLIES	\$8.91	\$8.91
165224	8/17/2017	27360	FASTENAL	10 13X3 TAP	\$6.79	\$6.79

**UNION SANITARY DISTRICT
CHECK REGISTER
8/05/2017-08/18/2017**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
Invoices:				Checks:		
Credit Memos :		2	-1,002.68			
\$0 - \$1,000 :		114	32,829.13	\$0 - \$1,000 :	45	14,358.23
\$1,000 - \$10,000 :		73	230,383.27	\$1,000 - \$10,000 :	57	214,283.51
\$10,000 - \$100,000 :		12	229,932.15	\$10,000 - \$100,000 :	12	263,500.13
Over \$100,000 :		2	462,081.21	Over \$100,000 :	1	462,081.21
Total:		203	954,223.08	Total:	115	954,223.08

EAST BAY TIMES

East Bay lawmaker touts water bill with recycling plant as backdrop

By Aaron Davis | aarondavis@bayareanewsgroup.com | Bay Area News Group
PUBLISHED: August 12, 2017 at 6:55 am | UPDATED: August 13, 2017 at 3:37 am

OAKLEY — Though it may not stop the state's Twin Tunnels project from diverting Delta water down south, Congressman Jerry McNerney hopes his new bill to invest in recycling projects will ensure water districts are frugal with the essential, but limited resource.

"While the governor is proposing these tunnels, what I'm proposing would create all the water that the tunnels would provide at a lot less cost," McNerney said. "There's a better solution that makes sense, would provide all the water, and be sustainable."

The WEST Act, or Water and Energy Sustainability through Technology Act, would put \$12 billion into circulation for competitive grants that would go toward innovative recycled water projects.

On Friday, McNerney visited the Ironhouse Sanitary District to discuss his legislation and to tour the district's state-of-the-art wastewater recycling facility that has been getting attention for its unique approach that produces some of the cleanest water in the state.

Chad Davisson, general manager for the Ironhouse Sanitary District, touted his facility's membrane bioreactor basins and ultraviolet disinfection process.

"We look at what the end use of the water is and we're trying to find the highest and best use to the community," Davisson said.

The facility recycles approximately 4.3 million gallons of wastewater a day and can recycle 8 million gallons a day at peak capacity. Half of the water goes out to Jersey Island to irrigate ISD's hay fields. Some gets used by residents at the free recycled water fill station, but Davisson has seen increasingly fewer people coming in after drought restrictions were lifted.

“In my two years here, I’ve seen one of the most significant droughts and one of the most significant rain events,” Davisson said. “It is interesting to see how quickly people forget that water sustainability is an ongoing challenge.”

Davisson and the ISD staff are looking to the future when Oakley sees more development on its East Cypress Corridor project which is slated to add 5,759 homes, shopping centers, three schools and a fire station on Hotchkiss Tract.

The sanitary district also is looking to work with Diablo Water District on re-injecting recycled water into the ground to recharge groundwater basins.

Under the WEST Act, reimbursements would be available for water recycling projects as well as increased water storage and stormwater capture projects.

McNerney said his bill may take a while to gain steam, but he sees areas of collaboration between the north and the south, such as with Los Angeles Mayor Eric Garcetti, who wants to make Los Angeles self-sustainable by 2030.

“When we develop regional self-sufficiency it means there will be less demand on the Delta,” McNerney said. “We don’t need new tunnels, we need purple pipes.”

Companion legislation introduced in June, the Western Water Recycling and Drought Relief Act, would fund 23 regional water recycling projects, three of which would be in the Ironhouse Sanitary District.

BUDGET AND FINANCE REPORT

REVISED

FY 2018

Year-to-date as of 07/31/17

8% of year elapsed

Revenues

	Budget	Actual	% of Budget Rec'd	Unaudited Last Year Actuals 6/30/17
Capacity Fees	\$7,910,000	\$744,121	9%	\$12,595,637
Sewer Service Charges	54,913,920	8,248	0%	49,789,143
Operating (Work Groups)	1,300,000	157,331	12%	1,461,240
Interest	625,000	79,228	13%	699,081
Misc. (LAVWMA pymnt, solar, Cogen rebates)	361,500	1,400	0%	577,014
Subtotal Revenues	\$65,110,420	\$990,327	2%	\$65,122,115
SRF Loan Proceeds (Thickener Proj.)	0		#DIV/0!	3,433,448
Total Revenues + SRF Proceeds	\$65,110,420	\$990,327	2%	\$68,555,563

Expenses

	Budget	Actual	% of Budget Used	Last Year Actuals
Capital Improvement Program:				
Capacity Proj.	\$6,660,000	\$4,773	0%	\$3,582,361
Renewal & Repl. Proj.	3,420,000	6,708	0%	10,121,672
Operating	36,816,878	2,365,076	6%	32,086,557
Special Projects	1,873,523	27,438	1%	899,694
Retiree Medical (ARC)	602,009	0	0%	583,771
Vehicle & Equipment	1,139,555	0	0%	116,986
Information Systems	600,100	55,451	9%	448,764
Plant & Pump Stat. R&R	250,000	0	0%	247,329
Emerg. Fund (Sinkhole)	0	0	0%	286
Pretreatment Fund	5,000	0	0%	11,611
Cty Fee for SSC Admin.	107,000	0	0%	106,643
Debt Servicing:				
SRF Loans	3,880,441	284,275	7%	3,127,110
Total Expenses	\$55,354,506	\$2,743,722	5%	\$51,332,784
Total Revenue & Proceeds less Expenses	\$9,755,914	(\$1,753,395)		\$17,222,779

Operating (Work Group) Expenses

	Budget	Actual	% of Budget Used	Last Year Actuals
Board of Directors	\$176,093	\$11,148	6%	\$131,021
General Manager/Admin.	1,082,884	54,650	5%	744,954
Business Services	5,023,943	292,237	6%	4,766,077
Collection Services	6,551,768	457,494	7%	5,959,126
Technical Services	5,995,655	459,148	8%	5,473,916
Treatment & Disposal Services	11,122,285	576,230	5%	9,439,596
Fabrication, Maint. & Construction	6,277,170	432,430	7%	5,571,868
Non-Departmental	587,080	81,740	14%	
Total	\$36,816,878	\$2,365,076	6%	\$32,086,558

Operating (Work Group) Expenses by Type

	Budget	Actual	% of Budget Used	Last Year Actuals
Personnel (incl D&E)	\$25,359,529	\$1,880,025	7%	\$22,821,078
Repairs & Maintenance	2,147,050	140,953	7%	1,902,488
Supplies & Matls (chemicals, small tools)	2,622,250	143,572	5%	1,998,885
Outside Services (utilities, biosolids, legal)	6,353,189	200,527	3%	5,285,268
Fixed Assets	334,860	0	0%	78,838
Total	\$36,816,878	\$2,365,076	6%	\$32,086,557



Market Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$5,060,354.95	\$4,656,889.57
Contribution	291,885.50	583,771.00
Disbursement	(202,414.71)	(400,727.06)
Transfer In	0.00	0.00
Transfer Out	0.00	0.00
Investment Earnings	141,843.21	357,490.31
Administrative Expenses	(648.21)	(2,448.19)
Investment Expense	(473.97)	(1,789.98)
Other	0.00	0.00
Ending Balance	\$5,290,546.77	\$5,193,185.65
YTD Accrual	(105,237.31)	(7,876.19)
Grand Total	\$5,185,309.46	\$5,185,309.46

Unit Value Summary:

	QTD Current Period	Fiscal Year to Date
Beginning Units	343,050.381	336,484.877
Unit Purchases from Contributions	19,590.737	40,016.761
Unit Sales for Withdrawals	(13,283.086)	(27,143.606)
Unit Transfer In	0.000	0.000
Unit Transfer Out	0.000	0.000
Ending Units	349,358.032	349,358.032
Period Beginning Unit Value	14.751055	14.129166
Period Ending Unit Value	15.143624	15.143624

Please note that the Grand Total is your actual fund account balance at the end of the period, including all accrued Contributions and Distributions. 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.

Desk Item
 Item 6
 8/28/17

Statement of Transaction Detail for the Quarter Ending 06/30/2017



Union Sanitary District

Entity #: SKB7-6011550262

Date	Description	Amount	Unit Value	Units	Check/Wire	Notes
04/03/2017	Contribution	\$145,942.75	\$14.765918	9,883.757	WIRE 2017033100116 669	
05/19/2017	Contribution	\$145,942.75	\$15.034826	9,706.980	WIRE 2017051900104 956	
06/02/2017	Distribution	(\$202,414.71)	\$15.238530	(13,283.086)		
06/30/2017	FY 16-17 Disbursement Accrual	(\$105,237.31)				

Desk Item
Item 6
8/28/17

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