



BOARD MEETING AGENDA
Monday, September 25, 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 September 11, 2017. |
| Information | 5. | August 2017 Monthly Operations Report <i>(to be reviewed by the Budget & Finance and Legal/Community Affairs Committee).</i> |
| | 6. | Written Communications. |
| | 7. | Oral Communications.
<small><i>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.</i></small> |
| Motion | 8. | Review and Provide Feedback on USD Video and Virtual Plant Tour <i>(to be reviewed by the Legal/Community Affairs Committee).</i> |
| Motion | 9. | Consider a Resolution to Quitclaim a Portion of One Existing Sanitary Sewer Easement at 32111 Courthouse Drive, in the Union Landing Shopping Center, in the City of Union City <i>(to be reviewed by the Legal/Community Affairs Committee).</i> |
| Motion | 10. | Authorize the General Manager to Execute the Cherry Street Pump Station Funding Agreement <i>(to be reviewed by the Legal/Community Affairs Committee).</i> |
| Motion | 11. | Designate and Appoint Two Board Representatives to Ad Hoc Subcommittee on General Manager Contract Negotiations. |
| Information | 12. | Combination Sewer Cleaner Purchase. |
| Information | 13. | Check Register. |

Information

- 14. Committee Meeting Reports. *(No Board action is taken at Committee meetings):*
 - a. Legal/Community Affairs Committee – Thursday, September 21, 2017, at 1:30 p.m.
 - Director Handley and Director Lathi
 - b. Budget & Finance Committee – Friday, September 22, 2017, at 2:00 p.m.
 - Director Handley and Director Toy
 - c. Engineering and Information Technology Committee – will not meet.
 - d. Legislative Committee – will not meet.
 - e. Audit Committee – will not meet.

Information

- 15. General Manager’s Report. *(Information on recent issues of interest to the Board).*
-
- 16. Other Business:
 - a. Comments and questions. *Directors can share information relating to District business and are welcome to request information from staff.*
 - b. Scheduling matters for future consideration.
-
- 17. Adjournment – The Board will adjourn to a Special Meeting in the Alvarado Conference Room on Tuesday, September 26, 2017, at 6:30 p.m.
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- 18. Adjournment – The Board will then adjourn to a Special Meeting in the Alvarado Conference Room on Monday, October 2, 2017, at 5:30 p.m.
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- 19. Adjournment – The Board will then adjourn to the next Regular Meeting in the Boardroom on Monday, October 9, 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



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

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

AGENDA
Thursday, September 21, 2017
1:30 p.m.

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

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

Karen W. Murphy
Attorney

1. Call to Order

2. Roll Call

3. Public Comment

4. Items to be reviewed for the Board meeting of September 25, 2017:
 - August 2017 Monthly Operations Report – Odor Report and Work Group Reports
 - Review and Provide Feedback on USD Video and Virtual Plant Tour
 - Consider a Resolution to Quitclaim a Portion of One Existing Sanitary Sewer Easement at 32111 Courthouse Drive, in the Union Landing Shopping Center, in the City of Union City
 - Authorize the General Manager to Execute the Cherry Street Pump Station Funding Agreement

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



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

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

AGENDA
Friday, September 22, 2017
2:00 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 September 25, 2017:
 - August 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.

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

**MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
September 11, 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
Laurie Brenner, Business Services Team Coach
Gene Boucher, Human Resources Manager
Michelle Powell, Communications and Intergovernmental Relations Coordinator
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

APPROVAL OF THE MINUTES OF THE MEETING OF AUGUST 28, 2017

It was moved by Director Handley, seconded by Secretary Fernandez, to approve the Minutes of the Meeting of August 28, 2017. Motion carried unanimously.

FOURTH QUARTER FISCAL YEAR 2017 DISTRICT-WIDE BALANCED SCORECARD MEASURES

This item was reviewed by the Legal/Community Affairs Committee. Business Services Coach Brenner presented the FY 2017 Strategic Performance Report as a desk item, and stated the report would be added to the Board meeting packet. The report summarizes the performance of the District in the areas of operational excellence and safety for fiscal year 2016 – 2017 (July 1, 2016 – June 30, 2017).

WRITTEN COMMUNICATIONS

There were no written communications.

ORAL COMMUNICATIONS

There were no oral communications.

REVIEW AND APPROVE PUBLICLY AVAILABLE PAY SCHEDULES

This item was reviewed by the Personnel Committee. General Manager Eldredge stated the publicly available pay schedule is mandated by CalPERS to ensure consistency between CalPERS employers, and enhance disclosure and transparency of public employee compensation. The proposed publicly available pay schedule included adjustments made to Unclassified employee pay ranges due to MSA adjustments and performance appraisals, as well as a correction to the top stop of the pay range for the Lab Director position. Staff recommended the Board review and consider approval of the Publicly Available Pay Schedule effective September 1, 2017.

It was moved by Director Toy, seconded by Vice President Lathi, to Approve the Publicly Available Pay Schedule Effective September 1, 2017. Motion carried unanimously.

INFORMATION ITEMS:

Legislative Update on Regional, State, and National Issues of Interest to the Board

This item was reviewed by the Legislative Committee. General Manager Eldredge stated the Board last received a legislative update at its meeting held May 8, 2017. General Manager Eldredge provided an overview of the legislative update report included in the Board meeting packet.

Report on the East Bay Dischargers Authority (EBDA) Meeting of August 17, 2017

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

Check Register

All questions were answered to the Board's satisfaction.

COMMITTEE MEETING REPORTS:

The Personnel, Legislative, and Legal/Community Affairs Committees met.

GENERAL MANAGER'S REPORT:

General Manager Eldredge reported the following:

- The Board was invited to attend the annual employee recognition event to be held at the District on October 4, 2017. The event will included an aerial photo of staff in commemoration of the District's centennial.
- General Manager Eldredge will provide a District presentation and tour for Assemblymember Chu at 10:00 a.m. on September 18, 2017. Staff will post a notice for the tour to enable Boardmembers to attend.

- The District will welcome the Mission San Jose Rotary of Fremont for a presentation and tour on September 22, 2017. Staff will post a special meeting notice to enable Boardmembers to attend.
- General Manager Eldredge will present at the Newark Rotary meeting on September 19, 2017.
- A Board Closed Session has been scheduled for 6:30 p.m. on September 26, 2017.
- The recruitment for Business Services Manager/Certified Financial Officer closed September 8, 2017, and staff will be scheduling interviews.

OTHER BUSINESS

There was no other business.

ADJOURNMENT:

The meeting was adjourned at 7:51 p.m. to the next Regular Board Meeting in the Boardroom on Monday, September 25, 2017, at 7:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

MANNY FERNANDEZ
SECRETARY

APPROVED:

PAT KITE
PRESIDENT

Adopted this 25th day of September 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: September 14, 2017

MEMO TO: Board of Directors - Union Sanitary District

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

SUBJECT: Agenda Item No. 5 - Meeting of September 25, 2017
Information Item: **Monthly Operations Report for August 2017**

Background

Attached are Monthly Operations Reports for August 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

FINANCIAL REPORTS AND BUSINESS SERVICES GROUP ACTIVITIES REPORT

Due to the current transition in the Finance department, the August 2017 Financial Reports and Business Services Group Activities Report will be presented as a desk item.

ODOR COMPLAINTS:

There were four odor complaints received by the collection system, and one received by the treatment plant. Details regarding the complaints were included in the August 2017 Odor Report in the Board meeting packet.

SAFETY:

- Two employees declined medical attention after having minor injuries. One received a puncture in his finger through his leather glove from a wire cable. The second twisted their knee while removing a camera from an 8-inch pipe.
- The employee with the puncture ended up going to the doctor after the finger became infected, and was placed on limited duty
- We also had an employee twist their ankle while walking on uneven dirt in a construction site. He was also placed on limited duty by the doctor.
- Completed ergonomic training and General Safety training for all employees.
- We received the summary of our workers' compensation for last fiscal year. The claims cost was \$15,582. This is the lowest annual claim cost we have on record. For comparison FY 06-07 was \$783,412.

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

- Customer Service Fee Analyst – Kristina Silva – Effective 8/6/17
- Customer Service Fee Analyst – Theresa Rodriguez – Effective 8/6/17

Other Completed Recruitments:

- PO III Trainee – Kenny Vong hired 8/23/17

Recruitments Opened:

- Administrative Specialist – FMC
- Administrative Specialist - CIP

Continuing Recruitments:

- Accounting and Financial Analyst II (replaced Sr. Accounting and Financial Analyst)
- Janitor
- Technical Writer Intern
- Organization Performance Program Manager
- Limited Term Construction Inspector
- Business Services Manager/CFO
- Lab Director

Other Accomplishments:

- Unclassified Performance Salary increases processed.
- Team Building workshop held with Rita Giacalone
- Interest Based Bargaining (IBB) Two-day training workshop held

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

- Participated in the Strategic Planning Board Workshop
- Attended the East Bay Dischargers Authority (EBDA) meeting
- Attended the EBDA Managers Advisory Committee (MAC) meeting
- Attended the California Association of Sanitation Agencies Annual Conference
- Attended two days of IBB training

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



ODOR REPORT August 2017

During the recording period from August 01, 2017 through August 31, 2017, there were five odor related service requests received by the District.

City: Fremont

1. Complaint Details:

Date: 8/25/2017

Location: CUSHING PW

Wind (from): North West

Temperature: 80 Degrees F

Time: 12:30 pm

Reported By: Dave Biasasti

Wind Speed: 5 mph

Weather: Sunny

Response and Follow-up:

We inspected all the manholes around the car dealership. We did detect a slight sewer smell. We took readings from manhole L18008 and did find an odor. Recent remodeling of the building has placed the opening to the service area adjacent to one of the Districts manholes that access a 36" trunk line. The district has installed a manhole filter to control the odors.

City: Newark

2. Complaint Details:

Date: 8/2/2017

Location: PERALTA BL

Wind (from): South East

Temperature: 85 Degrees F

Time: 10:00 am

Reported By: Lin Hall

Wind Speed: 7 mph

Weather: Partly Cloudy

Response and Follow-up:

Inspected all both our mains and storm drain catch-basins in the area. We also inspected the reporting party's property and lateral. We did detect a slight odor near the grease interceptor and garbage enclosure. We suggested they contact the responsible party at the complex to let them know of the slight odor coming from that area.

3. Complaint Details:

Date: 8/21/2017

Location: MONTCALM AV

Wind (from): N/A

Temperature: 75 Degrees F

Time: 11:30 am

Reported By: Ivan Capristo

Wind Speed: 5 mph

Weather: Sunny

Response and Follow-up:

We inspected the manholes, storm line and park near the residence detected no odors. We relayed our findings to the resident and he agreed no odor was present at this time. We suggested he check his p-traps. We asked him to call us back should the odor return.

City: Union City

4. Complaint Details:

Date: 8/30/2017

Location: BROCKWAY ST

Wind (from): North West

Temperature: 71 Degrees F

Time: 11:30 am

Reported By: Al Goodsepp

Wind Speed: 3 mph

Weather: Sunny

Response and Follow-up:

We inspected the main and manhole in front of the house and detected no odors. We checked the manhole with the gas detector and no odors were present. We shared with the reporting party the smell may be coming from the bay marsh area due to the warmer weather. We suggested for them to call us back should the odor return.

Treatment Plant (Union City)

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

1. Complaint Details:

Date: 8/2/2017

Time: 10:00 pm

Location: FELLOWS CT

Reported By: Tatina Braginets

Wind (from): Northwest

Wind Speed: 7 mph

Temperature: 75 Degrees F

Weather: Cloudy

Tide Information:

High Tide Reading: 6.1 Ft/Time

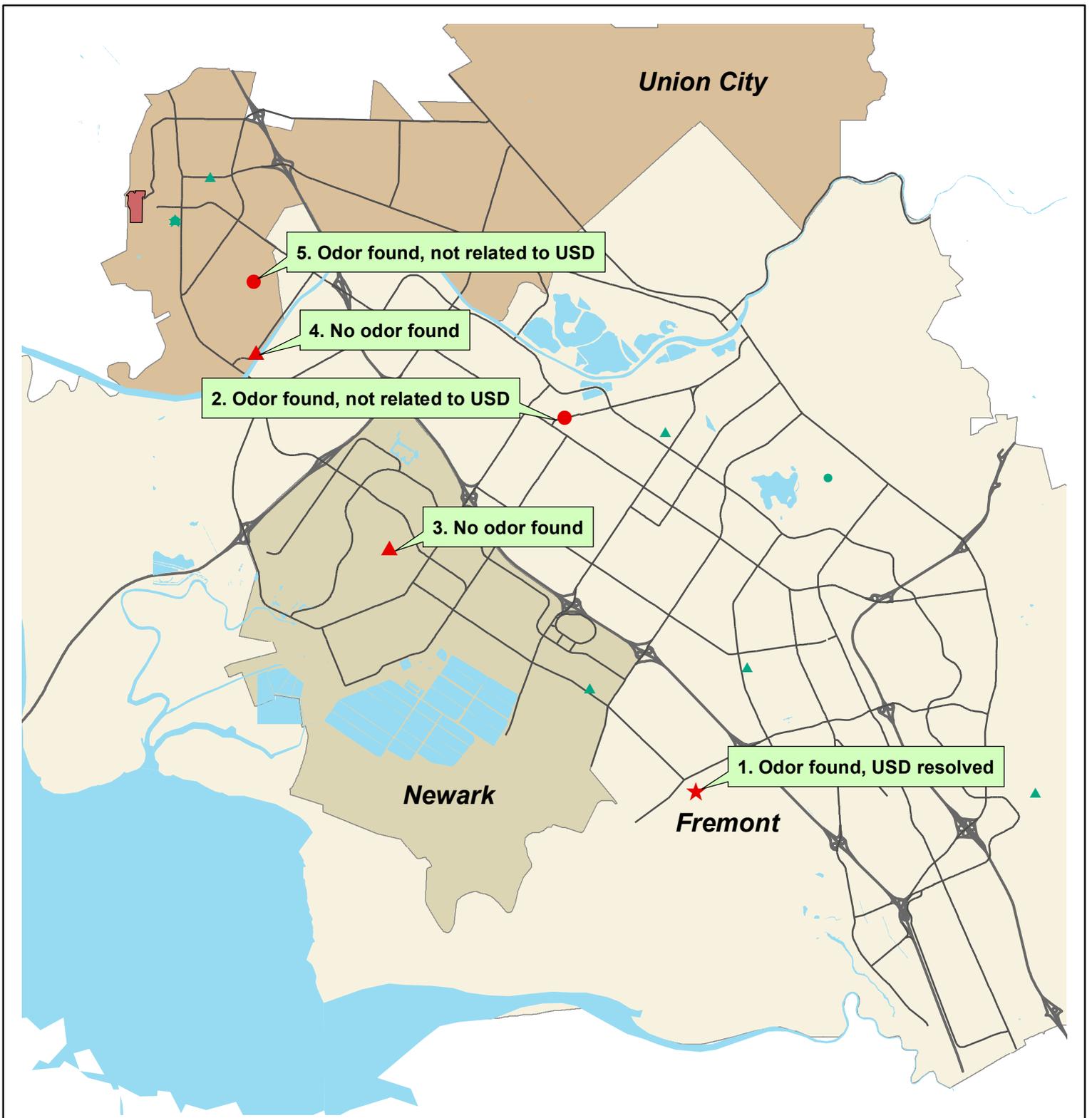
Low Tide Reading: 0.2 Ft/Time

High Tide Time: 9:39 PM

Low Tide Time: 5:23 AM

Response and Follow-up:

- *USD Staff dispatched to complaint location?* Yes
- *Was any odor detected at the complaint location?* Yes
 - *If yes, was odor attributed to USD?* No
- *Were any odors detected at the Plant?* No
 - *If yes, what odors were found?* N/A
- *Additional Information:* Operations dispatched to location and detected a slight vegetation odor permeating from a catch basin/storm drain.



Legend

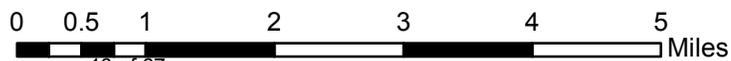
Odor Complaints: August 2017

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

Odor Complaints: September 2016 to July 2017

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

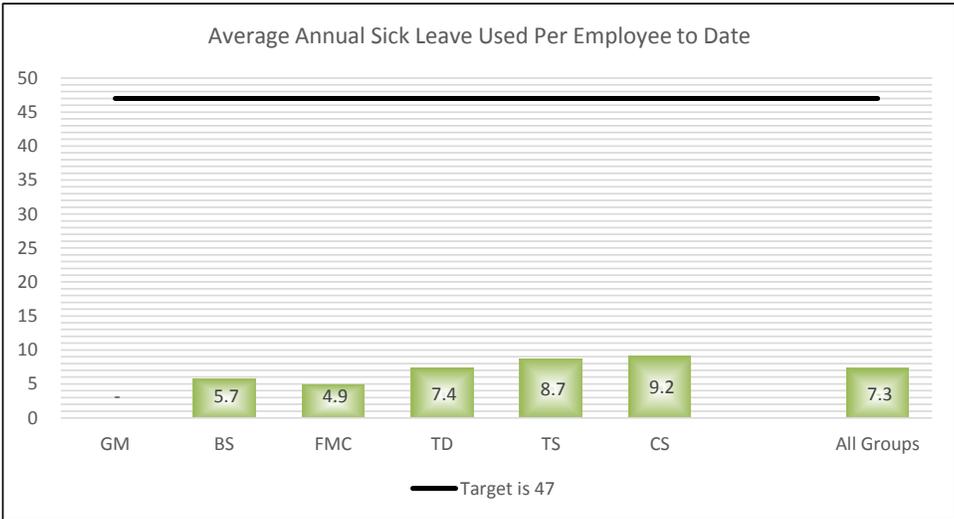
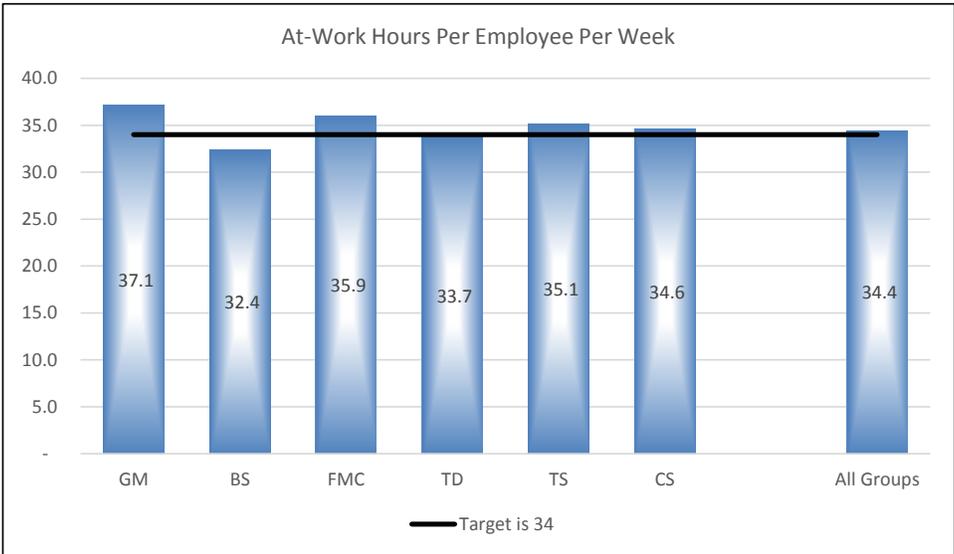
**Location of Odor Reports
September 2016 to August 2017**



HOURS WORKED AND LEAVE TIME BY WORK GROUP

June 29, 2017 through August 23, 2017

Weeks to Date: 8 out of 52 (15.38%)



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 August 23, 2017

Weeks to Date: 8 out of 52 (15.38%)

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	576.00	18.00	37.1	64.00	-	-	-	0.0	2	35.7	34.6
BS	21	5,428.00	6.83	32.4	834.38	-	-	119.50	5.7	21	34.2	33.5
FMC	22	6,154.00	170.92	35.9	938.00	-	-	108.00	4.9	23	34.2	48.4
TD	26	6,845.33	174.34	33.7	1,144.40	182.15	-	192.12	7.4	27	34.7	39.1
TS	31	8,638.08	67.50	35.1	1,126.17	126.25	-	269.50	8.7	32	34.9	47.3
CS	30	7,766.50	529.40	34.6	1,556.75	5.93	-	274.57	9.2	31	34.1	77.6
All Groups	132	35,407.91	966.99	34.4	5,663.70	314.33	-	963.69	7.3	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.

MONTHLY OPERATIONS REPORT FOR THE MONTH OF AUGUST 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 proposed replacing Lift Pump No. 1 at Fremont Lift Station that did not pass its performance test. The replacement pump is estimated to be delivered in November 2017.

Chemical Tanks and Piping Replacement Project – The contractor completed operational tests of the new chemical pumps, variable frequency drives, chemical storage tanks, and piping systems at the Odor Control Building. The contractor installed new electrical conduits and cables in the tank enclosure at the Maintenance Shop Building.

Sludge Degritter System Project – Installation of new sludge and grit overflow pipelines, electrical terminations, and installation of field instrumentation are in progress.

Headworks Knife Gate Valves 1-3 Replacement Project – The contractor removed the temporary bulkhead from Control Box No. 1. Project closeout is in progress.

Force Main Corrosion Repairs Project, Phase 1 – The manhole repairs are in progress. Force main start-up is planned for mid-September.

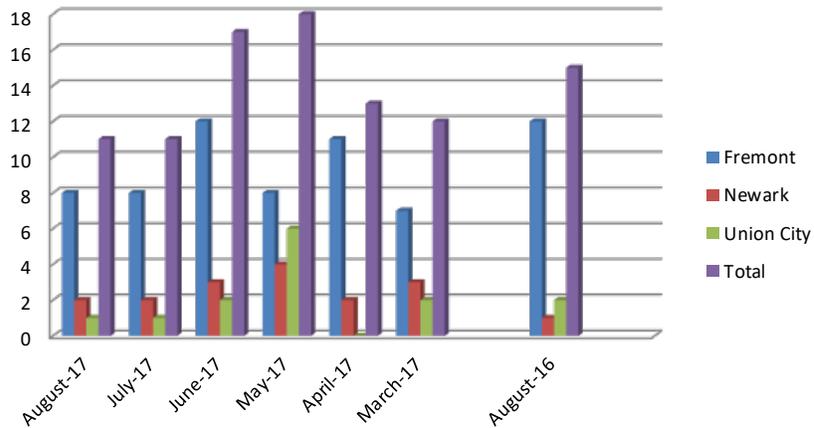
Newark Pump Station Wet Well Improvements – Staff issued the Notice to Proceed on August 1, 2017. Submittals review is in progress.

Cast Iron/Piping Lining Phase VI – Staff issued the Notice to Proceed on August 10, 2017. Submittals review is in progress.

Customer Service

Trouble Calls dispatched from the Front Desk during business hours:

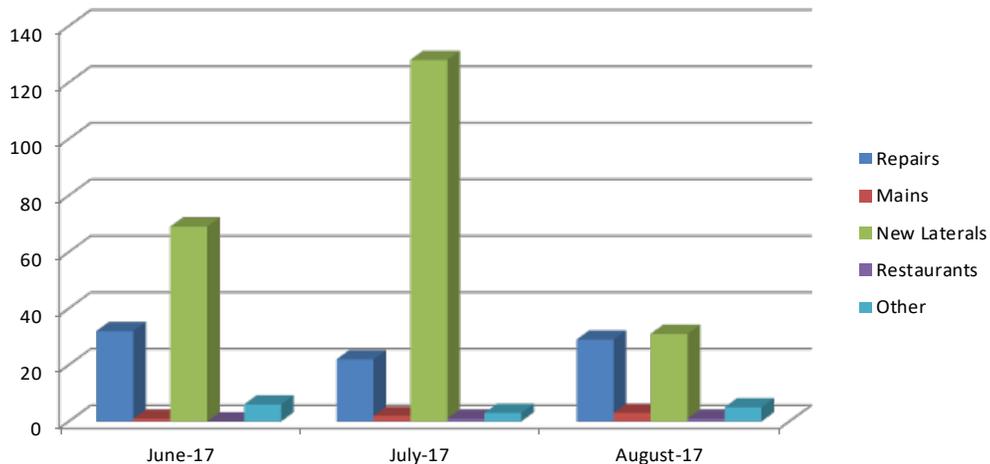
Month	Fremont	Newark	Union City	Total
August-17	8	2	1	11
July-17	8	2	1	11
June-17	12	3	2	17
May-17	8	4	6	18
April-17	11	2	0	13
March-17	7	3	2	12
August-16	12	1	2	15
6-Month Total				82



Sewer Permits Issued

Month	Repairs	Mains	New Laterals	Restaurants	Other
August-17	29	3	31	1	5
July-17	22	2	128	1	3
June-17	32	1	69	0	6

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



Communication

- Attended CASA August conference, participated at as member of Program Committee and Communications Workgroup
- Managed printing and mailing activities for Fall 2017 newsletter
- Participated in Chamber of Commerce Board activities as Director and Past-President
- Social Media Post: Lab Director recruitment
- Website updates with FY 2018 District information

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 86 Stormwater (Urban Runoff), and 53 FOG (restaurant) inspections. During this reporting period, Inspectors identified 13 Stormwater and 14 FOG enforcement actions. Three (3) of the Stormwater enforcements resulted in administrative fines ranging from \$100 to \$500. One (1) administrative fines was for illicit discharges. All three (3) were for repeated violations.

Urban Runoff Inspections and Enforcements

August 2017	No. of UR Inspections	VW	WL	NOV	AF	LA	Total Enforcements	No. of Illicit Discharge/s	
	86	2	0	8	3	0	13	% enforcement	15%

FOG Inspections and Enforcements

August 2017	No. of FOG Inspections	VW	WL	NOV	AF	LA	Total Enforcements	% enforcement	26%
	53	5	9	0	0	0	14		

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
None	None	None

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
TE Connectivity	None
Mission Linen	

Permits Issued

Company Name	Date Permit Issued
Seagate Technology, LLC (FRC)	8/25/2017

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
FY 2017 Pollution Prevention Report	8/29/17

Enforcement Action

IU Name & Nature of Business	Comments	City	Parameters Violated	Discharge concentration (mg/L)	USD/Fed Limit Violated (mg/L)	Enforcement (1)
Clean Sciences Technology, Precision Cleaning	No Comment	Fremont	Copper	6.2 mg/L	2.0 mg/L	NOV

(1) *WL – Warning Letter* *NOV – Notices of Violation* *AO – Administrative Order*
C&D – Cease and Desist Order *SNC – Significant Non-Compliance* *EM – Enforcement Meeting*

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

Activity	Date of Event	Attendees
None		

Engineering/Construction

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

	Construction Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for August 2017 Activities
1.	Thickener Control Building Improvements Project – Curtis	\$9,990	12/16	100%	100%	Project closeout and punchlist work are in progress.

	Construction Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for August 2017 Activities
2.	Fremont and Paseo Padre LS Improvement - Derek	\$2,801	10/16	99%	100%	Replacement Fremont Lift Station Lift Pump No. 1 is scheduled to be delivered in November 2017.
3.	Chemical Tanks and Piping Replacement Project – Thomas	\$2,102	10/17	89%	85%	Operational test of new equipment, tanks, and piping at the Odor Control Building has been completed. Installation of new electrical conduits and cables at the Maintenance Shop Building has begun.
4.	Sludge Degritter System Project – Kevin	\$1,436	11/17	70%	83%	Mechanical piping and electrical terminations work is in progress.
5.	Headworks Knife Gate Valves 1-3 Replacement – Kevin	\$478	9/17	100%	90%	Project closeout is in progress.
6.	Force Main Corrosion Repairs Phase 1 – Chris	\$839	10/17	75%	61%	Manhole repairs in progress. Force main start up is planned for mid-September.
7.	Newark Pump Station Wet Well Improvements - Thomas	\$674	3/18	0%	0%	Notice to Proceed issued August 1, 2017. Submittals review is in progress.
8.	Cast Iron/Piping Lining Phase VI – Andrew	\$243	11/17	0%	0%	Notice to Proceed issued August 10, 2017. Submittals review is in progress.

Design/Study

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

	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for August 2017 Activities
1.	Plant Solids System / Capacity Assessment Phase 2 – Curtis	\$279	11/17	77%	79%	Study is in progress. Chapter 7 was resubmitted for review on August 31 st .

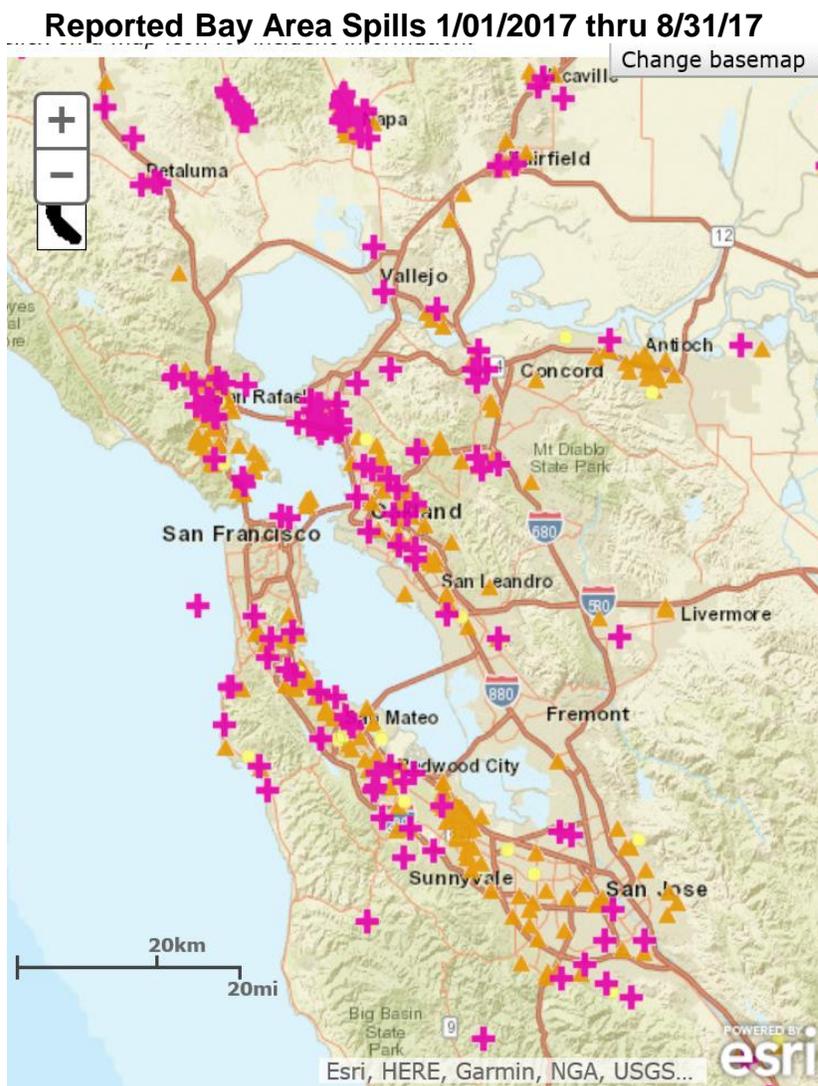
	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for August 2017 Activities
2.	Local Limits Study – Chris	\$77	10/17	77%	77%	Study is in progress. Draft report completed and under review. Workshop scheduled on September 11 th .
3.	Seismic Vulnerability Assessment, Phase 3 - Thomas	\$14	09/17	67%	67%	Seismic evaluation of the Alvarado PS is in progress.
4.	Standby Power Generation System Upgrade Project – Raymond/Kevin	\$175	05/17	95%	100%	Development of alternatives 9 & 10 is in progress.
5.	Force Main Condition Assessment – Andrew	\$121	10/17	15%	70%	Two locations on the east force main north of Newark Pump Station were televised.
6.	Emergency Outfall Improvements Project – Andrew	\$92	8/17	56%	95%	Biological Resources Assessment and Draft Preliminary Design Technical Memorandum are under review.
7.	Primary Digester No. 7 Project – Curtis	\$127	7/17	75%	100%	Digester mixing, cover and bottom evaluation has been completed.
8.	Plant Master Plan – Raymond	\$304	11/17	50%	76%	Awaiting the results of the Plant Solids System/Capacity Assessment Phase 2. Consultant has attempted to contact all property owners on Horner Street and Veasy Street; will attempt follow-up meetings.
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	70%	70%	August sampling is completed. Additional tasks to evaluate the odor sources is being considered.

	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for August 2017 Activities
11.	Primary Digester No. 3 Rehabilitation - Derek	\$159	7/17	100%	100%	Project advertised on August 15 th and the pre-bid conference was held on August 23 rd .

COLLECTION SERVICES ACTIVITIES REPORT August 2017

Progress/Accomplishments

- No Spills in August
- No Spill Report filed with State Waterboard for the month of June.
- Completed 21.0 miles of cleaning of sewer lines in August
- Completed 21.9 miles of televising of sewer lines in August
- Responded to 15 service request calls in August
- Completed a total of 23 main repairs August
- Trainings
 - Industrial Ergonomics

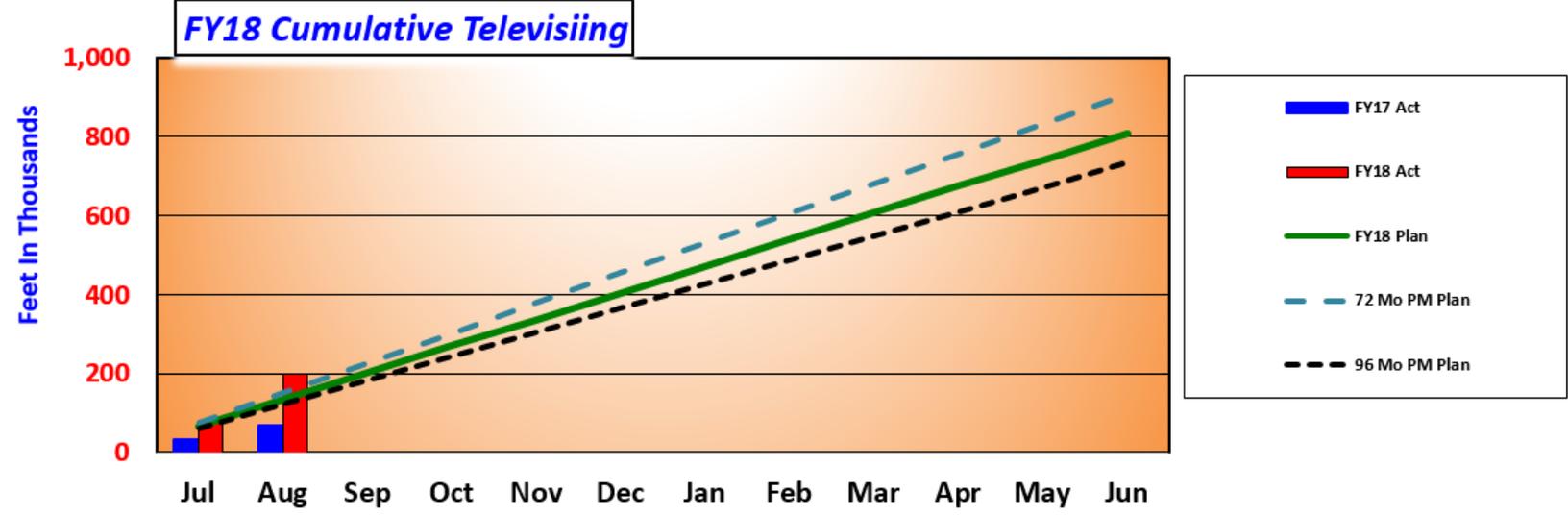


Performance Measures



Cleaning Actual Footages/Costs		Aug-17 Clean Cost/Ft = \$0.63						
Description	Jul-17 Footage	Aug-17 Footages	FY18 Q1 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	109,394	176,566	176,566	731,522	24.1%	412,703	525,009
Selective Line Cleaning	886	886	1,772	1,772	113,365	1.6%	155,828	156,815
Special Condition Clean	0	370	370	370	18,720	2.0%	79,529	17,237
Root Control/Chemical Cln	7,899	0	7,899	7,899	209,078	3.8%	285,404	331,805
Cast Iron Proj/Other (not included in Cost Per Foot)	0	0	0	0			1,254	1,183
Totals	75,957	110,650	186,607	186,607	1,072,685	17.4%	934,718	1,032,049

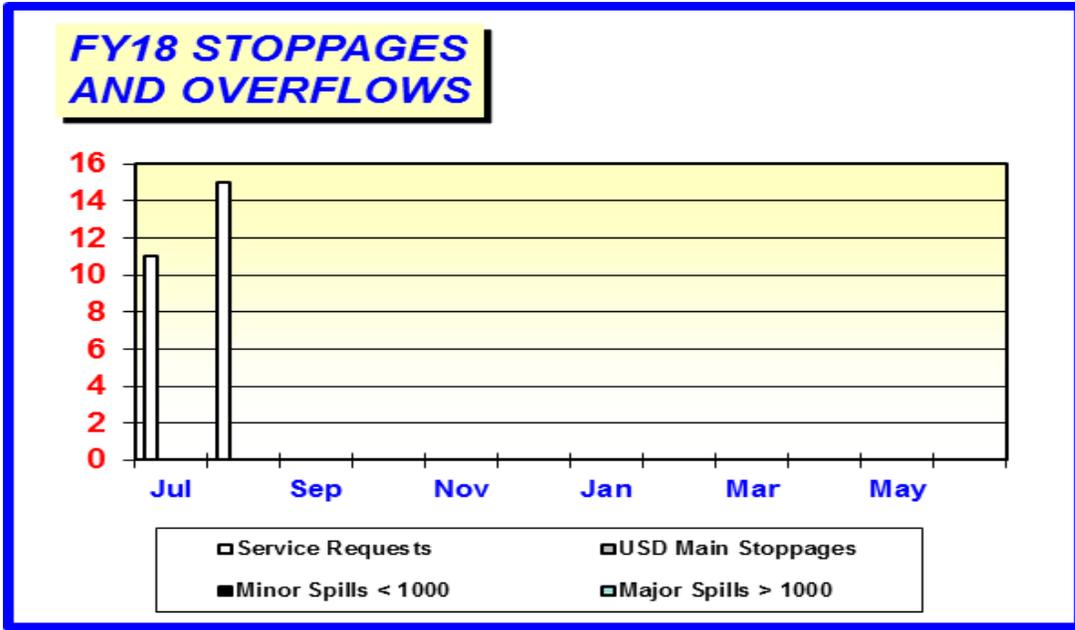
FY 18 PLAN



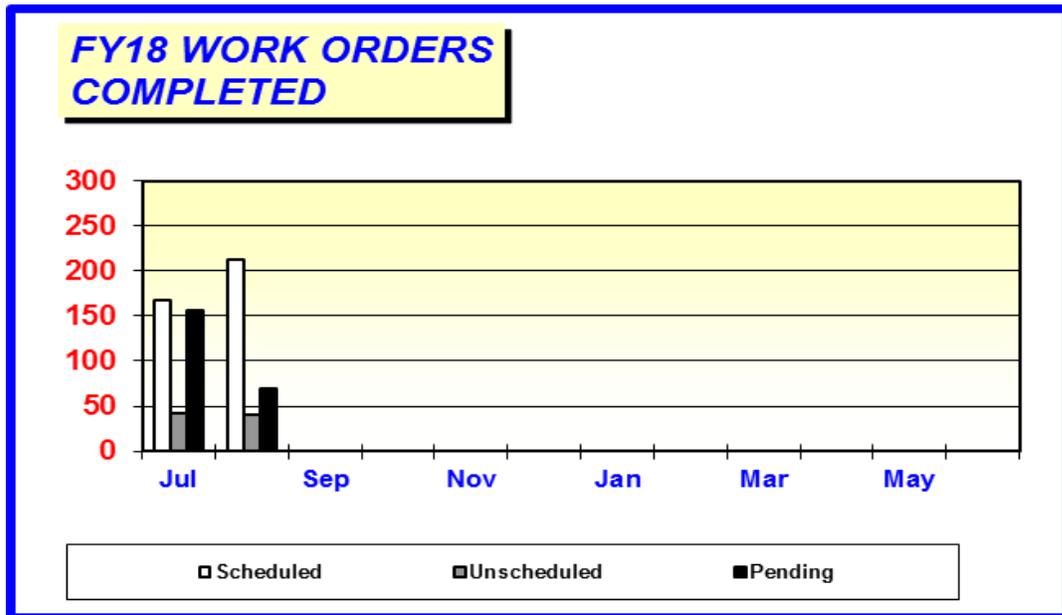
Televising Actual Footages/Costs		Aug-17 TV Cost/Ft = \$1.02						
Description	Jul-17 Footage	Aug-17 Footages	FY18 Q1 Footage	FY18 YTD Footage	FY18 YE Goal	% Cmpl to Plan	FY16 'Y/E Footages	FY17 'Y/E Footage
72 Month TV Inspection	80,145	102,003	182,148	182,148	710,910	25.6%	463,024	541,780
Visual/Condition,Pre/Post Cnst TV	0	315	315	315	18,540	1.7%	33,805	21,742
New Development, CIP, Misc.	1,387	13,250	14,637	14,637	45,900	31.9%	28,471	43,099
Condition Assessments	0	0	0	0	32,245	0.0%	17,789	12,409
Totals	81,532	115,568	197,100	197,100	807,595	24.4%	543,089	619,030

Other Collection Services Status Data:

Support Team Work Order Status:



C/S Maintenance Status:



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

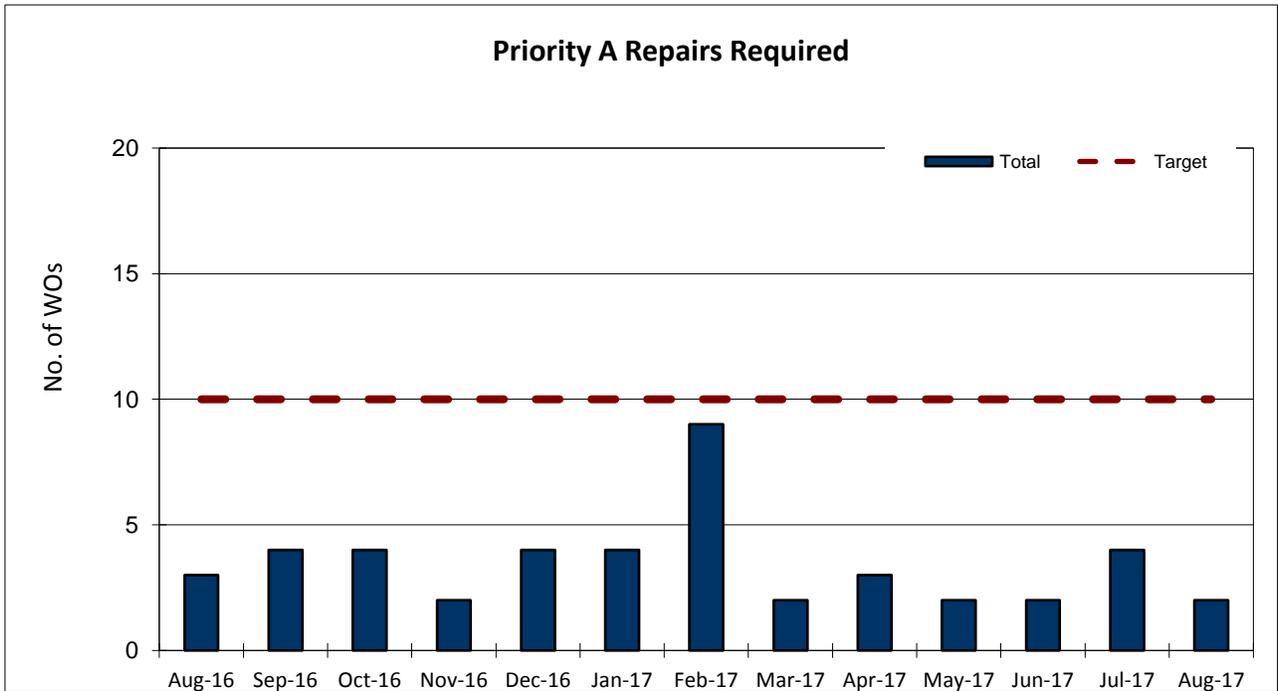
Progress/Accomplishments

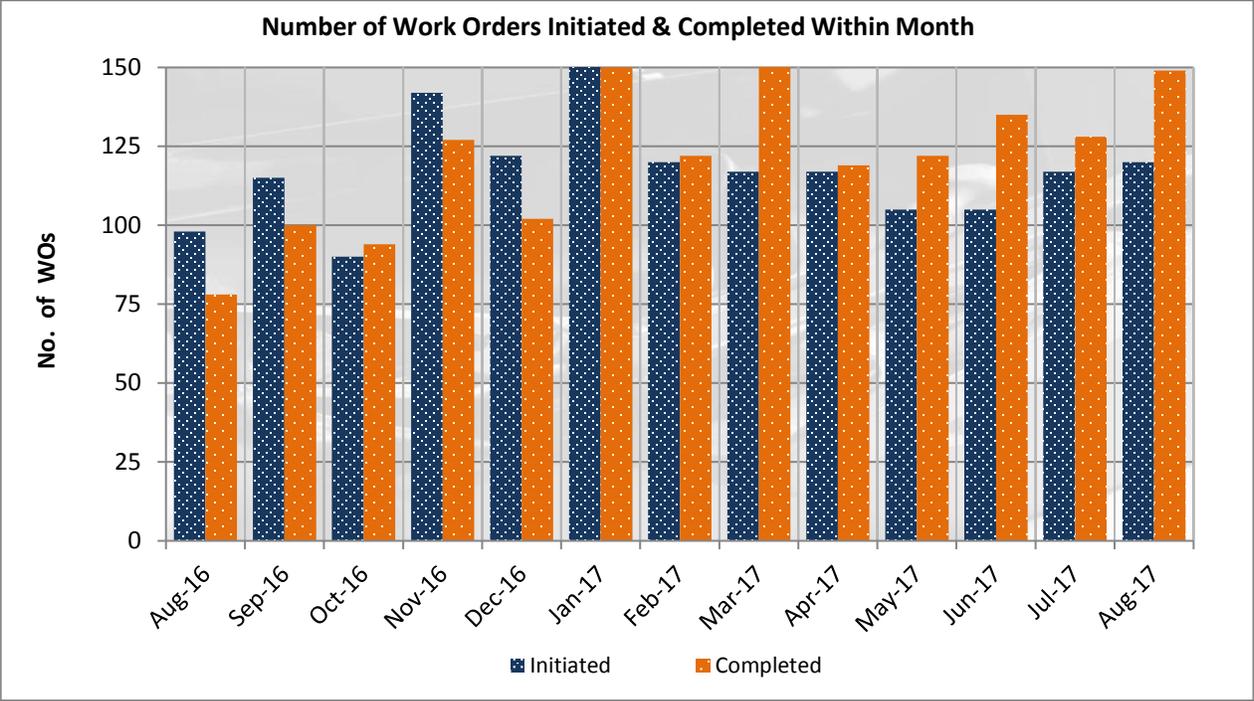
- Completed 99% of preventive maintenance activities for the month of August
- Completed 149 corrective maintenance work orders for the month of August
- Completed actuator upgrade at Headworks
- Replaced pinch valve bladders in Secondary Clarifier No. 1, 2 & 4
- Shutdown for CB1 bulkhead removal and cleaning
- Installation of new flow meters at Thickener Bldg.
- Painting, removal of stairways, and fence repairs at Old Newark Pump Station Plant

Future Planning

- Irvington Pump Station Pump No.4 overhaul
- Volute Thickener Pilot Project
- Alvarado Pump Station Diversion Gate Inspection/Repair
- Thickener No.3 coating inspection and repair
- Fremont Lift Station hydraulic unit piping reconfiguration

Performance Measurements





**Treatment & Disposal
Activities Report
August 2017**

Progress/Accomplishments

- Maintained 100% compliance with NPDES permits.
- Completed 93% preventive maintenance activities for the month of August.
- Facilitate startup of new equipment at the 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 III trainee.
- Reviewed and submitted nutrient data for the Nutrient Watershed Permit.
- Continued recruitment activities for lab director replacement.
- Attended the BACWA permits meeting.
- Responded to a BAAQMD RFI on plant area and point source information in anticipation of the regulation 11-18 implementation.
- Provided information and a tour for an unscheduled inspection of the treatment plant by BAAQMD on August 15, 2017. The inspection results were mostly positive.
- Coordinated final logistics in advance of the Volute Thickener Project scheduled to occur in September.
- Implemented the new EBDA NPDES sampling schedule.

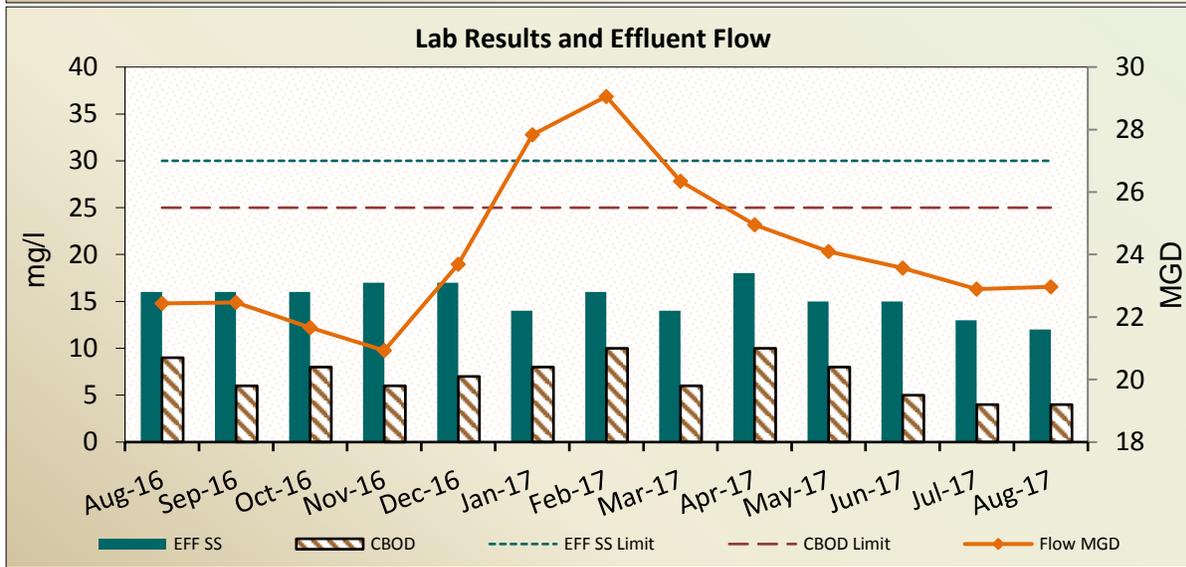
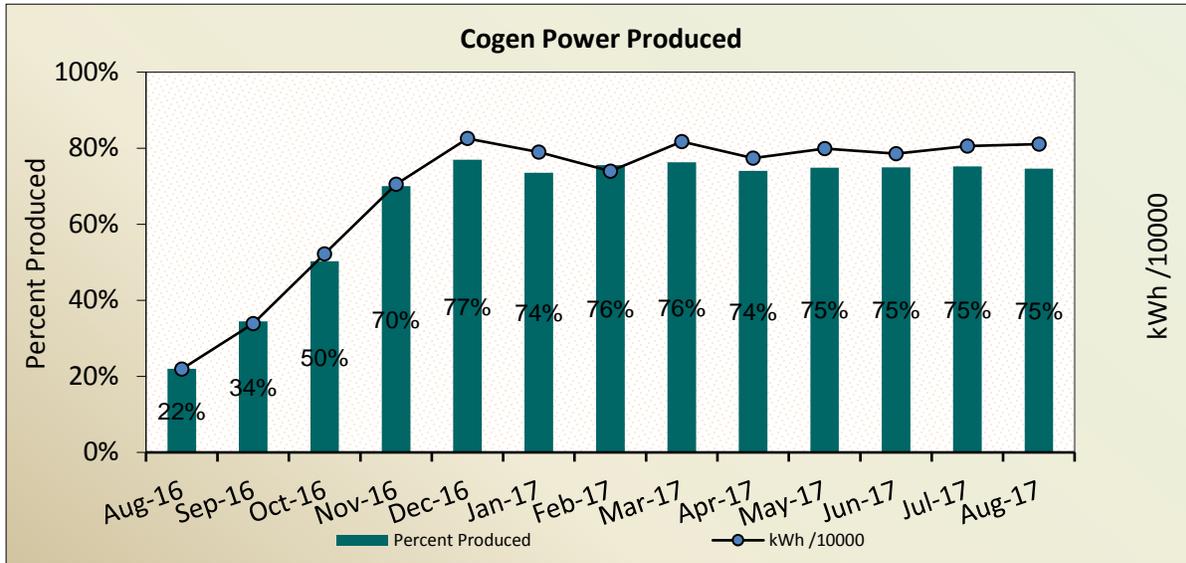
Future Planning

- Facilitate shutdowns for the construction of the Chemical Piping, Tank, and Pump Replacement CIP Project at the maintenance building.
- Facilitate shutdowns for the CIP 3rd Degritter Project.
- Conduct the Volute Thickener Pilot Study.
- Complete the Laboratory Director Recruitment
- Conduct Phase II of the membrane cleaning demonstration project.
- Continue to work with BAAQMD and BACWA on the implementation of BAAQMD Regulation 11-18.
- Conduct a study of natural gas purchasing alternatives.

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	Jun-17	Jul-17	Aug-17
Copper, µg/l	78	6.0	4.3	4.5
Mercury, µg/l	0.066	0.00278	0.00214	0.00233
Cyanide, µg/l	42	< 3.9	< 3.9	< 3.9
Ammonia- N, mg/L (Range)	130	40.9 - 43.0	39.6 - 42.8	33.4 - 43.2
Fecal Coliform, MPN/100ml (Range)				
• 5-Sample Geometric Mean	500	11 - 43	18 - 75	46 - 125
• 11-Sample 90th Percentile	1100	55 - 98	43 - 197	197 - 345
Enterococci				
• 5-Sample Geometric Mean	242	10 - 11	< 10 - 11	< 11 - 13
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: September 18, 2017

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
 Sami E. Ghossain, Manager of Technical Services
 Michael Dunning, Environmental Compliance Coach
 Michelle Powell, Communications and Intergovernmental Relations Coordinator
 Doug Dattawalker, Environmental Compliance Inspector II

SUBJECT: Agenda Item No. 8 - Meeting of September 25, 2017
Review and Provide Feedback on USD Video and Virtual Plant Tour

Recommendation

Review quotes for edits to the Virtual Plant Tour video, and provide direction regarding next steps.

Background

Pursuant to previous Board Direction, staff developed a video showcasing USD and the treatment plant that is also intended to be used as a virtual tour of the treatment plant. In response to Board feedback, staff requested four (4) additional quotes for edits and changes to the final draft video. The 4 quotes are outlined below:

Quote 1 – FOG (Fats, Oils, and Grease) call to action filming and reinsertion	\$2,325
Quote 2 – 4P’s (Pee, Poo, Paper, and Puke) call to action filming and insertion	\$3,050
Quote 3 – Animation of transportation system and re-edit	\$6,100
Quote 4 – Re-edit of video and expanded length, new animation	\$8,925

Quote 1 would involve shooting new footage inside a residential kitchen to show proper handling of FOG waste, and would require new voice over.

Quote 2 would require filming inside a residential restroom with overlaid graphics of the 4P's. The graphics would be designed so that they appear to interact with the live action shot

Quote 3 would consist of new animation of wastewater leaving the home, travelling through the lateral to a main line before continuing to a lift or pump station, and through the force main before arriving at the treatment plant. Staff has a sample of transportation system animation, though the final animation would be of a higher quality.

Quote 4 would include a full re-recording of the voice over to slow down the audio track. New animation overlaid on an existing aerial or drone live action shot would show the stage of treatment being shown and an animated movement to the next stage. This would increase the total length of the video to between seven and eight minutes.



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

DATE: September 18, 2017

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Sami E. Ghossain, Manager of Technical Services
Rollie Arbolante, Customer Service Team Coach
Rod Schurman, Associate Engineer

SUBJECT: Agenda Item No. 9 - Meeting of September 25, 2017
Consider a Resolution to Quitclaim a Portion of One Existing Sanitary Sewer Easement at 32111 Courthouse Drive, in the Union Landing Shopping Center, in the City of Union City

Recommendation

Consider a resolution to quitclaim an unused portion of one existing sanitary sewer easement at 32111 Courthouse Drive, in the Union Landing Shopping Center, in the City of Union City.

Background

In 1999, Dyer Triangle, LLC granted a 15-foot wide and approximately 458-foot long sanitary sewer easement to the District. The easement extends from Union Landing Boulevard through the property addressed as 32115 Courthouse Drive and terminates in the property addressed as 32111 Courthouse Drive. A vicinity map is attached. No public sewer facilities were constructed in the portion of the easement to be quitclaimed.

The owner of the property, Dyer Triangle, LLC, requested that the District quitclaim the unused portion of the sanitary sewer easement. Since the easement was granted, the property at 32111 Courthouse Drive was developed with an approximately 25,750 square-foot retail building (current tenant is Ana Furniture, original tenant was Borders Bookstore). The public sewer main in the easement terminates at a manhole approximately 50 feet from the retail building, while the easement extends approximately 80 feet beyond the manhole such that retail building is on

top of approximately 30 feet of the easement. Two private sewer laterals connect to the manhole, one of which serves the retail building and the second serves the Texas Roadhouse restaurant.

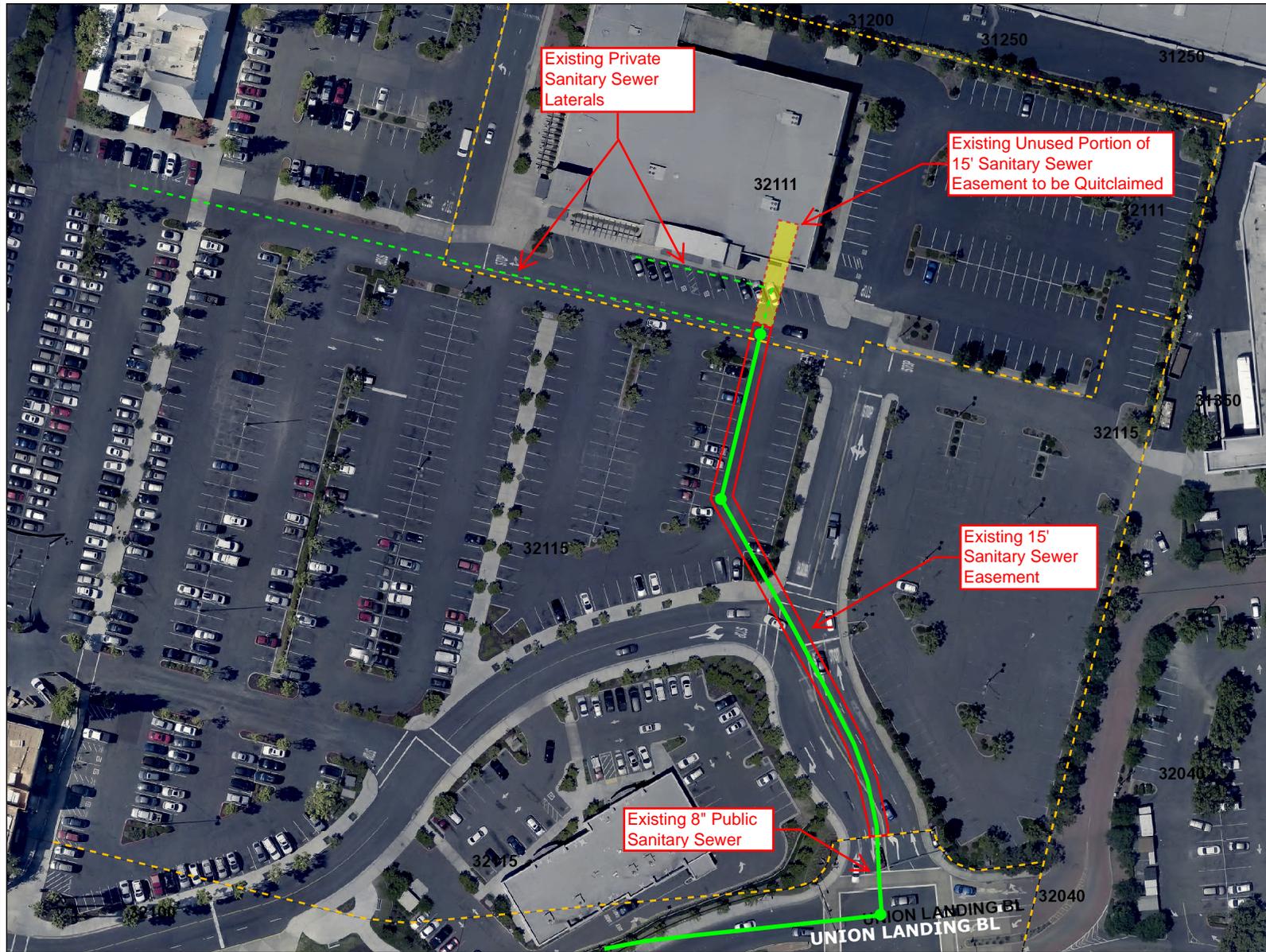
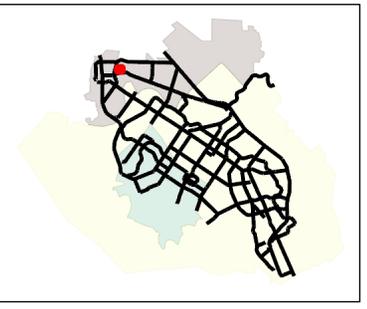
District staff has reviewed the legal description and plat map of the easement that a portion of which is to be quitclaimed, as well as the quitclaim deed, and recommends approval.

PRE/SEG/RA/RS:ks

Attachments: Vicinity Map
Resolution
Quitclaim Deed of Portion of Easement with Exhibits A and B



Vicinity Map, 32111 Courthouse Dr., Union Landing Shopping Center, Quitclaim of Portion of Easement



Legend

- Public Right of Way
- Private Right of Way
- Parcels
- Existing 15' Sewer Easement
- Portion of Existing 15' Sewer Easement to be Quitclaimed
- Existing 8" Public Sewer
- Existing Private Lateral

104.9 0 52.47 104.9 Feet



1: 1,259



Printed: 9/12/2017 10:26 AM

For USD use only

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

Notes

RESOLUTION NO. _____

**QUITCLAIM A PORTION OF ONE EXISTING SANITARY SEWER EASEMENT
AT 32111 COURTHOUSE DRIVE, IN THE UNION LANDING SHOPPING
CENTER, IN THE CITY OF UNION CITY, CALIFORNIA**

RESOLVED by the Board of Directors of UNION SANITARY DISTRICT, that it hereby quitclaims its interest in a portion of the 15-foot wide sanitary sewer easement in the property addressed as 32111 Court House Drive located in the city of Union City and as described in the Quitclaim Deed and by the legal description and plat map, attached as Exhibit A and Exhibit B, respectively.

FURTHER RESOLVED by the Board of Directors of UNION SANITARY DISTRICT that it hereby authorizes the General Manager/District Engineer, or his designee, to attend to the recordation thereof.

On motion duly made and seconded, this resolution was adopted by the following vote on September 25, 2017:

AYES:

NOES:

ABSENT:

ABSTAIN:

PAT KITE
President, Board of Directors
Union Sanitary District

Attest:

MANNY FERNANDEZ
Secretary, Board of Directors
Union Sanitary District

Recording requested by
and when recorded
return to:

UNION SANITARY DISTRICT
Attn: Regina McEvoy
5072 Benson Road
Union City, CA 94587

Documentary Transfer Tax \$0.00, consideration less than \$100 (R&T Code 11911)
This instrument is exempt from recording fees (Govt. Code 27383)

QUITCLAIM DEED - EASEMENT

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, UNION SANITARY DISTRICT, a public sanitary district, does hereby REMISE, RELEASE AND QUITCLAIM TO DYER TRIANGLE, LLC, and its successors, and assigns the real property in the City of UNION CITY, County of ALAMEDA, State of CALIFORNIA, described as follows:

A portion of one sanitary sewer easement, fifteen feet in width, granted to the Union Sanitary District as described in document number 99-1943933 of the Official Records of Alameda County, more particularly described in Exhibit A and portrayed graphically in Exhibit B hereto.

Dated this 25th day of September 2017.

PAT KITE
President, Board of Directors
Union Sanitary District



ENGINEERS
SURVEYORS
PLANNERS

100+
YEARS

June 16, 2017
BKF Job No: 20177051

EXHIBIT A – LEGAL DESCRIPTION
PARTIAL QUITCLAIM OF EXISTING 15' WIDE
SANITARY SEWER EASEMENT

Real property situate in the City of Union City, County of Alameda, described as follows:

Being a portion of the lands described in that certain Grant of Easement filed for record on May 21, 1999 as Document No. 1999-194933, Official Records of Alameda County, more particularly described as follows;

Being a strip of land 15 feet wide, lying 7.50 feet on either side of the following described centerline:

BEGINNING at a point shown as the "Point of Termination, Parcel 'C'" on the plat prepared by Wollman Associates, Inc. in the above referenced Grant of Easement (Doc. No. 1999-194933), being also the northerly extent of the course described as North 13°36'13" East, 198.99 feet;

Thence along said course South 13°36'13" West, 81.61 feet.

As shown on exhibit attached hereto and by this reference made part hereof.

For: BKF Engineers

Davis Thresh, P.L.S. No. 6868

6.16.2017

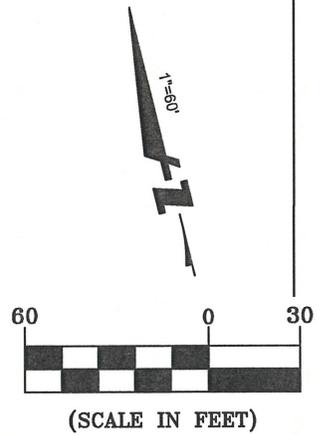
Dated



LANDS OF DYER
TRIANGLE, LLC
PARCEL 3
DOC. NO. 98-124146

POINT OF TERMINATION
PARCEL "C"

AREA TO BE
QUITCLAIMED



LANDS OF DYER
TRIANGLE, LLC
PARCEL 2
DOC. NO. 98-124146

N13°37'06"E
- 198.99'(T)

117.38'

81.61'

15' SANITARY SEWER EASEMENT
DOC. NO. 99-194933

N28°59'24"W
167.58'

R=200.00'
Δ=23°36'42"
L=82.42'

N5°22'42"W
8.22'

LANDS OF UNION CITY
DOC. NO. 98-249035

UNION LANDING BLVD



EXHIBIT B
PLAT TO ACCOMPANY LEGAL DESCRIPTION



4670 WILLOW RD
SUITE 250
PLEASANTON, CA 94588
925-396-7700
925-396-7799 (FAX)

Subject PARTIAL QUITCLAIM OF EXISTING
15' WIDE SANITARY SEWER EASEMENT
Job No. 20177051
By MR Date 6/15/17 Chkd. WS
SHEET 1 OF 1



Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

DATE: September 19, 2017

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Sami E. Ghossain, Manager of Technical Services
Rollie Arbolante, Customer Service Team Coach

SUBJECT: Agenda Item No. 10 - Meeting of September 25, 2017
Authorize the General Manager to Execute the Cherry Street Pump Station Funding Agreement

Recommendation

Authorize the General Manager to execute the Cherry Street Pump Station Funding Agreement in the form attached with minor revisions as may be approved by the General Manager in consultation with the General Counsel.

Background

Landsea Holdings Corporation, developer for The Arroyo Cap III, LLC, plans to construct three hundred and eighty-six single-family dwelling units and a school site for Tract 8270, located at the northwest corner of Stevenson Boulevard and Cherry Street in the city of Newark. A location map is attached.

Due to the development's location, elevation, and lay of the land, providing sanitary sewer service by connecting to sewer mains in Cherry Street and Stevenson Boulevard is not possible without the construction of a private lift station. Alternatively, sewer service to the development could be provided by an existing 10-inch sewer main south of the development that ultimately drains to the Cherry Street Pump Station.

The Cherry Street Pump Station was constructed in 1990 and provides sanitary sewer service to 19 customers, including the Ohlone College Newark campus and the City of Newark Silliman

Center. The pump station is currently in need of some rehabilitation, primarily to its electrical components. However, the new development will increase the hydraulic burden on the pump station that would affect its useful life, possibly requiring upgrades or full replacement. To confirm that the Cherry Street Pump Station has the capacity to provide service to the development, the District hired Carollo Engineers to perform a capacity assessment, including an evaluation of the potential impacts to the forcemain hydraulics. The study confirmed that the existing capacities of the pump station and the force mains were sufficient to serve the development until the upgrade or full replacement is completed.

To offset the impacts to the District, Landsea Holdings Corporation has agreed to contribute approximately \$2.06 million dollars towards the future upgrade or replacement of the pump station, estimated at approximately \$5 million dollars. The \$2.06 million deposit was determined based on the development's pro rata share of contributing flows to the Cherry Street Pump Station. The agreement stipulates that pump station upgrades or replacement are completed in five years from the date of the funding agreement.

Staff and legal counsel have drafted an agreement that is acceptable to The Arroyo Cap III, LLC and staff recommends the Board authorize execution by the General Manager in the form attached with minor revisions as may be approved by the General Manager in consultation with the General Counsel.

PRE/SEG/RA:ks

Attachments - Location Map
Agreement

Cherry Street PS Funding Agreement Location Map



RECORDING REQUESTED BY AND
WHEN RECORDED RETURN TO:

Union Sanitary District
5072 Benson Road
Union City, CA 94587-2508
Attention: Board Clerk

(ABOVE LINE FOR RECORDER'S USE ONLY)

**Exempt from Recording Fee
Per Gov't Code section 27383**

CHERRY STREET PUMP STATION FUNDING AGREEMENT

This Cherry Street Pump Station Funding Agreement (the "**Agreement**") is entered into as of _____ ("**Effective Date**") by and between the Union Sanitary District, a sanitary district organized under the laws of the State of California ("**District**"), LS-Newark LLC, a limited liability company ("**Developer**"), and Arroyo Cap III, LLC a Delaware limited liability company ("**Owner**") (each, a "**Party**" and collectively, the "**Parties**").

Recitals

A. Developer desires to develop certain real property in the City of Newark, as described in Exhibit A attached hereto and incorporated herein by this reference (the "**Property**") with a 386- unit residential development referred to as the Sanctuary (the "**Project**"). Owner is the current owner of the Property.

B. In order for the District to provide ongoing sewer service to the Project and neighboring developments, the District intends to construct a new Cherry Street Pump Station ("**Pump Station**"), which is estimated to cost a total of approximately \$5,000,000.00. The costs of the Pump Station would generally be paid by the developers whose projects would be served by the Pump Station.

C. As Developer desires to construct the Project prior to completion of the Pump Station, Developer has agreed to deposit its fair share of the costs of the Pump Station with the District for its future construction.

Agreement

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, the Parties hereby agree as follows:

1. Incorporation of Recitals. The recitals set forth above are incorporated herein by this reference.

2. Developer Deposit. Prior to the earlier of (a) District’s approval of the sewer construction plans for the Project, or (b) city approval of the final map for the Project, Developer or any subsequent developer, assignee or successor of the right to develop the Project shall deposit the amount of \$2,058,894.45 (“**Funds**”) with the District in immediately available funds. The Funds represent 38.44 percent of the total construction costs of the Pump Station, which is estimated at \$5,000,000.00, plus a 3.5 percent inflationary escalator over two years. Developer agrees and acknowledges that the Funds are a reasonable estimate of the costs for the Pump Station Project associated with the increased capacity and usage due to the Project and do not include payment of any capacity charges. In addition to the deposit of the Funds, Developer shall remain obligated to pay any and all capacity charges pursuant to District’s ordinances and regulations, including, without limitation, Ordinance 35.22, as may be amended from time to time.

3. Use of Funds. The District shall use the Funds solely for the purposes of design, engineering and construction of the Pump Station (“**Pump Station Project**”).

4. Project Accounting. The District shall maintain an accounting of expenditures of the Funds, which accounting shall be made available to Developer upon request. If the costs associated with the Pump Station Project are less than \$5,000,000.00, Developer shall not be entitled to any reimbursement of the Funds. Additionally, if the costs associated with the Pump Station Project are more than \$5,000,000.00, Developer shall not be required to supplement the Funds.

5. Completion of Pump Station Project. The District shall exercise good faith efforts to complete the Pump Station Project no later than five years from the Effective Date of this Agreement, subject to Permitted Delays, as defined below. In the interim, District shall provide sewer service to the Project in accordance with District’s standard policies and procedures, including, without limitation, District construction and acceptance requirements, maintenance requirements, and policies regarding the payment of capacity charges. The District acknowledges and agrees that, from and after Developer’s payment of the Funds to the District, and at no additional cost to Developer or its successors or assigns, (a) prior to completion of the Pump Station, the District shall provide sewer service in accordance with the District’s standard policies and procedures to the entirety of the Project, including each of the 386 residential units to be constructed thereon, and (b) upon completion, the Pump Station shall service the entirety of the Project, including each of the 386 residential units constructed or to be constructed thereon.

6. Permitted Delays. Performance by either Party of an obligation hereunder shall be excused during any period of “**Permitted Delay**.” Permitted Delay shall mean delay beyond the reasonable control of a Party caused by: (a) calamities, including without limitation earthquakes, floods, and fire; (b) civil commotion; (c) riots or terrorist acts; (d) strikes or other forms of material labor disputes; (e) shortages of materials or supplies; or (f) vandalism. The period of Permitted Delay shall last no longer than the conditions preventing performance.

7. Indemnification. Developer shall hold harmless, defend, and indemnify District and its officers, agents, contractors, consultants, successors, assigns, volunteers, and employees from and against any and all claims, demands, cause of action, damage, costs or liability, including attorneys’ fees (“**Claims**”), arising out of or related to the approval, terms or execution

of this Agreement, excluding Claims regarding the actual construction of the Pump Station Project, provided, that the foregoing indemnity shall not apply to any Claims arising out of District's gross negligence, willful misconduct or breach of this Agreement.

8. Runs with the Land; Assignment. The Property and development of the Project are subject to the provisions of this Agreement. All provisions of this Agreement shall run with the land and be binding upon and inure to the benefit of the Property and all parties having or acquiring any right, title, or interest in the Property or right to develop the Project, unless otherwise assigned with the written consent of the District, in its sole and absolute discretion. After payment of the Funds to District, Developer may request District to execute a document removing this Agreement from title to the Property, which District shall provide to Developer in a form reasonably acceptable to both District and Developer.

9. Mutual Drafting. This Agreement shall be deemed to have been drafted by or on behalf of both of the Parties. The Parties agree that they have each had an opportunity, with counsel, to participate in the drafting of this Agreement, and that this Agreement will not be construed against any Party on the basis of that Party having responsibility for the drafting of this Agreement.

10. Amendment. This Agreement and each of its terms and provisions may not be amended, altered, modified, terminated or waived orally, and no amendment, alteration, modification, termination or waiver shall be valid unless it is in writing and signed by both of the Parties.

11. Governing Law. This Agreement is made and entered into in the State of California and in all respects is to be interpreted, enforced and governed by and under the laws of California, without reference to its choice of laws rules.

12. Counterparts / Facsimile or PDF Signatures. This Agreement may be executed in counterparts. Facsimile or pdf signatures may be used to effectuate and bind the Parties to the terms and conditions of this Agreement as if they were original.

13. Notice. Any notice, approval, disapproval, demand, document or other communication ("Notice") which any Party may desire to give to any other Party under this Agreement must be in writing and may be given by any commercially acceptable means, including via first class Certified Mail, personal delivery or overnight courier, to the party to whom the Notice is directed at the address of the party as set forth below, or at any other address as that party may later designate by Notice.

To District: Union Sanitary District
 5072 Benson Road
 Union City, CA 94587
 Attn: Paul Eldredge, General Manager
 Telephone: (510) 477-7500

To Developer: LS-Newark LLC
 7525 Irvine Center Drive, Suite 200

To Owner: Irvine, CA 92618
Attention: Greg Balen
Telephone: (949) 345-8080
Arroyo Cap III, LLC
100 West Broadway, Suite 680
Long Beach, CA 90802
Attn: Jeffrey Brouelette
Telephone: (562) 206-1731

Any written notice, demand or communication shall be deemed received immediately if delivered by hand, on the third day from the date it is postmarked if delivered by first-class mail, Certified and postage prepaid, return receipt requested, and on the next business day if sent via nationally recognized overnight courier. Notices sent by a Party's attorney on behalf of such Party shall be deemed delivered by such Party.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the Effective Date.

DISTRICT:
UNION SANITARY DISTRICT

By: _____
Paul R. Eldredge, General Manager

APPROVED AS TO FORM:

By: _____
Karen W. Murphy, General Counsel

DEVELOPER:
LS-NEWARK LLC, a limited liability company

By: _____
Name: _____
Its: _____

OWNER:
ARROYO CAP III, LLC, a Delaware limited liability company

By: _____
Name: _____
Its: _____

ACKNOWLEDGMENTS

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
COUNTY OF _____)

On _____, 20__ before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: _____ (seal)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
COUNTY OF _____)

On _____, 20__ before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: _____ (seal)

EXHIBIT A

LEGAL DESCRIPTION OF PROPERTY

Real property in the City of Newark, County of Alameda, State of California, described as follows:

PARCELS 2, 3 AND 4, OF PARCEL MAP 7255, FILED SEPTEMBER 21, 1998, IN BOOK 236 OF PARCEL MAPS, PAGES 79-85, ALAMEDA COUNTY RECORDS.

APN: 901-0185-018 (Affects Portion of Parcel 2);
901-0185-019 (Affects Portion of Parcel 2);
901-0185-020 (Affects Portion of Parcel 2);
901-0185-021 (Affects Portion of Parcel 3);
901-0185-022 (Affects Portion of Parcel 3);
901-0185-023 (Affects Portion of Parcel 3); and
901-0185-024 (Affects Portion of Parcel 4).



Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

DATE: September 18, 2017

MEMO TO: Board of Directors - Union Sanitary District

FROM: Karen W. Murphy, General Counsel

SUBJECT: Agenda Item No. 11 - Meeting of September 25, 2017
Designate and Appoint Two Board Representatives to Ad Hoc Subcommittee on General Manager Contract Negotiations

Recommendation

It is recommended that the Board designate and appoint two representatives to an ad hoc subcommittee on the General Manager's contract negotiations.

Background

The Employment Agreement between the Union Sanitary District and Paul R. Eldredge to serve as General Manager and District Engineer, dated June 25, 2014, and amended as of September 28, 2015, and November 14, 2016, provides that the Board will review the General Manager's salary annually. This agenda item requests that the Board designate two Board members to serve as the Board's representatives for contract review and compensation negotiations with the General Manager.



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

DATE: September 15, 2017

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
James Schofield, Collection Services Manager

SUBJECT: Agenda Item No. 12 - Meeting of September 25, 2017
Information Item: **Combination Sewer Cleaner Purchase (previously approved June 26, 2017)**

Recommendation

Information only.

Background

The District is prepared to issue a Purchase Order to Owens Equipment to purchase one Combination Sewer Cleaner (Vactor). The total equipment cost is \$492,036.

Collection Services has completed developing the specifications for the purchase of a new Combination Sewer Cleaner. Funds for the acquisition of this vehicle are contained in the FY 2018 "Vehicle and Equipment Replacement" budget.



In 1994 the District purchased its first Combination Sewer Cleaner. This equipment allows staff to safely vacuum debris generated during the jetting process. Prior to purchasing the first combination cleaner, staff removed debris using a long-handled shovel or making an entry into the sewer system.

The Combination Sewer Cleaner is best utilized for cleaning large diameter lines or lines with large amounts of debris.

This will be the third piece of equipment purchased over the last two fiscal years for sewer cleaning purposes. In FY18 staff issued purchase orders for a hydro-jetter and truck mounted mini-jetter.

While these units are smaller, they still can clean most of our sewer lines effectively by using pumps that operate at higher pressures and use less water. They also provide more maneuverability in some of the District's more isolated easements and building complexes with limited access.

Historically the District's cleaning fleet has been comprised of three Combination Sewer Cleaners and one hydro-jetter. A fourth Combination Sewer Cleaner has been kept after replacement for hydro-excavation purposes (pot-holing).

With the replacement of this Combination Sewer Cleaner, the District's cleaning fleet will be comprised of two Combination Sewer Cleaners, two hydro-jetters (no-vacuum) and a truck mounted mini-jetter. A third Combination Sewer Cleaner will be kept after replacement for hydro-excavation purposes.

This Combination Sewer Cleaner will replace a similar unit that was purchased in 2006 for \$329,221 and is beyond the end of its useful life. The approved budgeted amount is \$492,036.

The purchase of this vehicle will be made using pricing thru the National Joint Powers Alliance (NJPA). NJPA is a not-for-profit cooperative contract management organization that serves public agencies by issuing bid solicitations and managing contracts of suppliers for a wide variety of goods and services. Most public agencies qualify to participate in the contracts that are a result of a competitive bidding process, and pricing is therefore deemed fair and reasonable.

**UNION SANITARY DISTRICT
CHECK REGISTER
9/02/2017-09/15/2017**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165455	9/14/2017	1.1	CRATUS INC	FORCE MAIN CORROSION REPAIRS - WEST	\$118,820.38	\$118,820.38
165451	9/14/2017	160220	CAROLLO ENGINEERS	DIGESTER NO. 3 INSP & REHAB	\$58,515.05	\$58,515.05
165420	9/7/2017	30104567	SYNAGRO WEST LLC	JULY 2017 BIOSOLIDS DISPOSAL	\$57,765.67	\$57,765.67
165409	9/7/2017	892820170831	PACIFIC GAS AND ELECTRIC	SERV TO 08/30/17 HAYWARD MARSH	\$52.76	\$27,321.23
	9/7/2017	898220170831		SERV TO 08/30/17 FREMONT PS	\$284.75	
	9/7/2017	666720170831		SERV TO 08/30/17 PASEO PADRE PS	\$316.67	
	9/7/2017	096020170831		SERV TO 8/30/17 CATHODIC PROJECT	\$57.97	
	9/7/2017	380420170831		SERV TO 08/30/17 CHERRY ST PS	\$303.31	
	9/7/2017	761520170825		SERV TO 08/24/17 NEWARK PS	\$26,305.77	
165500	9/14/2017	888009	VALLEY OIL COMPANY	2385 GALS CARB DYED DIESEL	\$5,549.18	\$22,002.48
	9/14/2017	888204		DIESEL FUEL TANK SAMPLING	\$3,800.00	
	9/14/2017	38909		740 GALS MOBIL PEGASUS 805 BULK	\$12,653.30	
165391	9/7/2017	903218323	EVOQUA WATER TECHNOLOGIES	4,498 GALS HYDROGEN PEROXIDE	\$21,572.75	\$21,572.75
165499	9/14/2017	533620170822	US BANK CORP PAYMENT SYSTEM	MONTHLY CAL CARD STMT - AUG 2017	\$21,523.86	\$21,523.86
165442	9/14/2017	17033	AQUADYNE ASSOCIATES	1 CBX/BB2 LIMIT SWITCH W BRACKET	\$21,462.09	\$21,462.09
165387	9/7/2017	2397407C	DELTA DENTAL SERVICE	AUGUST 2017 DENTAL	\$15,620.10	\$17,686.64
	9/7/2017	2397407A		AUGUST 2017 DENTAL	\$2,066.54	

**UNION SANITARY DISTRICT
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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165430	9/7/2017	39336	WECO INDUSTRIES LLC	TV CABLE REPLACEMENT	\$8,856.44	\$17,459.59
	9/7/2017	39337		1 FOAMING NOZZLE	\$4,424.63	
	9/7/2017	39392		CAMERA REPAIRS	\$3,068.36	
	9/7/2017	39354		TRACTOR CAMERA REPAIR PARTS	\$1,110.16	
165464	9/14/2017	14931	FONG & FONG PRINTERS & LITHO	POSTAGE FOR NEWSLETTER	\$17,194.53	\$17,194.53
165382	9/7/2017	11298156	BROWN & CALDWELL CONSULTANTS	STANDBY POWER SYSTEM UPGRADE	\$3,601.91	\$16,624.45
	9/7/2017	11298507		EMERGENCY OUTFALL OUTLET IMPROVEMENTS	\$13,022.54	
165389	9/7/2017	5520	ENERGY CHOICE INC	6 SPARK PLUGS	\$14,137.74	\$14,137.74
165489	9/14/2017	24580	RMC WATER AND ENVIRONMENT	PROJECT IMPLEMENTATION MASTER PLAN	\$5,980.35	\$13,756.24
	9/14/2017	24590		PROJECT IMPLEMENTATION MASTER PLAN	\$7,775.89	
165488	9/14/2017	20482	PROMINENT SYSTEMS INC	REPLACE CARBON MEDIA/DISPOSAL OF SPENT MEDIA	\$12,676.00	\$12,676.00
165399	9/7/2017	170818	JSP AUTOMATION	HYPO TANKS AND PIPING REPLACEMENT	\$11,340.00	\$11,340.00
165452	9/14/2017	JWD4191	CDW GOVERNMENT LLC	STORAGE CHASIS	\$10,810.38	\$10,810.38
165427	9/7/2017	39289	VIBRALIGN INC	LASER ALIGNMENT TOOL	\$10,588.73	\$10,588.73
165467	9/14/2017	117794359001	GEXPRO	HISTORIAN SERVER UPGRADE	\$10,200.75	\$10,200.75
165376	9/7/2017	170801428	AIRTECH MECHANICAL INC	COGEN CHILLER 1 NEW PUMP	\$3,295.00	\$8,996.00
	9/7/2017	170801426		HVAC CONTRACT - FMC BUILDINGS AND BOYCE	\$915.00	
	9/7/2017	170801427		COGEN ROLL UP DOOR FILTER RACK TOP STACK	\$4,786.00	

**UNION SANITARY DISTRICT
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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165383	9/7/2017	31512	CALIFORNIA WATER TECHNOLOGIES	42,960 LBS FERROUS CHLORIDE	\$4,543.89	\$8,980.41
	9/7/2017	31544		41,820 LBS FERROUS CHLORIDE	\$4,436.52	
165401	9/7/2017	37432220170901	LINCOLN NATIONAL LIFE INS COMP	LIFE AND DISABILITY INSURANCE - SEPT 2017	\$7,737.65	\$7,737.65
165483	9/14/2017	103898	MUNIQUEP, LLC	2 GASKETS / 2 FLANGES	\$6,402.75	\$6,402.75
165433	9/14/2017	1458	A PLUS JANITORIAL SERVICE	AUGUST 2017 JANITORIAL SERVICE - BUILDINGS 69, 70, 82, 83	\$5,999.00	\$5,999.00
165392	9/7/2017	238465	FRANK A OLSEN COMPANY	1 Z-CHARGE MACHINE ADAPTION	\$990.68	\$5,990.68
	9/7/2017	238477		Z-CHARGE PROJECT LABOR	\$5,000.00	
165388	9/7/2017	8144635	EMD MILLIPORE CORPORATION	1 KIT/CARTRIDGE/FILTER	\$5,448.30	\$5,448.30
165408	9/7/2017	192096	NATEC INTERNATIONAL INC.	CRANE RECERT TRAINING FY18 FOR 4 EMPLOYEES	\$3,980.00	\$5,080.00
	9/7/2017	192093		BATTERY HANDLING TRAINING FOR 36 EMPLOYEES	\$1,100.00	
165437	9/14/2017	4017274120170906	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 09/05/17 - FREMONT BLVD	\$4,814.46	\$5,012.73
	9/14/2017	4017420220170906		SERV TO: 09/06/17 - FREMONT BLVD	\$53.89	
	9/14/2017	4017275220170906		SERV TO: 09/05/17 - FREMONT BLVD	\$144.38	
165498	9/14/2017	833635	UNIVAR USA INC	5000 GALS SODIUM HYPOCHLORITE	\$2,452.92	\$4,807.22
	9/14/2017	833680		4799 GALS SODIUM HYPOCHLORITE	\$2,354.30	
165424	9/7/2017	833425	UNIVAR USA INC	4801 GALS SODIUM HYPOCHLORITE	\$2,355.29	\$4,708.13
	9/7/2017	833435		4796 GALS SODIUM HYPOCHLORITE	\$2,352.84	
165449	9/14/2017	31573	CALIFORNIA WATER TECHNOLOGIES	42,740 LBS FERROUS CHLORIDE	\$4,453.15	\$4,453.15
165405	9/7/2017	7918	MISSION GOLDRUSH LLC	REFUND # 20245	\$4,037.50	\$4,037.50

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165443	9/14/2017	10131987	AT&T	SERV: 07/20/17 - 08/19/17	\$22.15	\$3,840.51
	9/14/2017	10132011		SERV: 07/20/17 - 08/19/17	\$208.07	
	9/14/2017	10131989		SERV: 07/20/17 - 08/19/17	\$3,610.29	
165402	9/7/2017	14786	LOOKINGPOINT INC	MIGRATE PLANT FIREWALL	\$3,693.75	\$3,693.75
165493	9/14/2017	245093800	STEVEN ENGINEERING INC	3 PHOENIX UPS 120V / 3 PHOENIX UPS BAT	\$3,650.48	\$3,650.48
165486	9/14/2017	013720170906	PACIFIC GAS AND ELECTRIC	SERV TO 09/05/17 BOYCE RD PS	\$3,397.49	\$3,425.81
	9/14/2017	140120170906		SERV TO 09/04/17 IRVINGTON PS	\$28.32	
165428	9/7/2017	20170901	VISION SERVICE PLAN - CA	SEPTEMBER 2017 VISION STMT	\$3,294.72	\$3,294.72
165394	9/7/2017	9517415353	GRAINGER INC	4 FLOWMETER VERTICAL MOUNTS	\$558.27	\$3,192.73
	9/7/2017	9517670106		2 FLEX COUPLINGS & 7 UNION FEMALE	\$992.10	
	9/7/2017	9518683942		7 D-RING EXTENDER WITH LOOP	\$237.84	
	9/7/2017	9518288767		ASTD PARTS & MATERIALS	\$25.74	
	9/7/2017	9513559774		ASTD PARTS & MATERIALS	\$214.94	
	9/7/2017	9516351815		ASTD PARTS & MATERIALS	\$1,163.84	
165436	9/14/2017	170801437	AIRTECH MECHANICAL INC	REPLACE FAILED ECONOMIZER BLDG 80	\$2,733.01	\$2,733.01
165448	9/14/2017	761538	BRENNTAG PACIFIC, INC.	5128 LBS SODIUM HYDROXIDE	\$2,658.98	\$2,658.98
165414	9/7/2017	916003185962	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - SEP 2017	\$2,527.29	\$2,527.29
165456	9/14/2017	8592	CROSSROADS CHURCH OF FREMONT	REFUND # 20264	\$2,500.00	\$2,500.00
165426	9/7/2017	9791365838	VERIZON WIRELESS	WIRELESS SERV 07/21/17-08/20/17	\$2,379.87	\$2,379.87

**UNION SANITARY DISTRICT
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165462	9/14/2017	279673	ENTHALPY ANALYTICAL LLC	29 LAB SAMPLE ANALYSIS	\$2,235.00	\$2,235.00
165416	9/7/2017	7682880901	RS HUGHES CO INC	1 PR ONGUARD HIP WADERS SZ12	\$106.02	\$2,210.38
	9/7/2017	7687363702		5 BX MICROFLEX GLOVES	\$57.84	
	9/7/2017	7687363700		ASTD SAFETY SUPPLIES	\$1,920.53	
	9/7/2017	7687363701		SAFETY SUPPLIES & PPE/ABRASIVE DISCS	\$125.99	
165375	9/7/2017	9155592	ABC IMAGING, INC.	DIGESTER NO. 3 INSP & REHAB	\$1,811.97	\$1,811.97
165480	9/14/2017	45694662	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$333.61	\$1,811.73
	9/14/2017	45652354		2 NO TRESPASSING SIGNS	\$41.87	
	9/14/2017	45624670		ASTD PARTS & MATERIALS	\$1,184.03	
	9/14/2017	45663754		ASTD PARTS & MATERIALS	\$35.77	
	9/14/2017	45323362		4 LONG HANDLE LADLES	\$216.45	
165476	9/14/2017	532213	INSTRUMART	DUAL INPUT ANALYZER	\$1,779.05	\$1,779.05
165484	9/14/2017	20170831	NAPA AUTO PARTS	MONTHLY AUTO PARTS STMT - AUG 2017	\$1,654.90	\$1,654.90
165471	9/14/2017	9522945048	GRAINGER INC	12 BATTERIES	\$713.81	\$1,558.14
	9/14/2017	9523905520		ASTD LIGHTING SUPPLIES	\$844.33	
165458	9/14/2017	96495	DEGENKOLB ENGINEERS	SEISMIC STUDY	\$1,522.50	\$1,522.50
165390	9/7/2017	279386	ENTHALPY ANALYTICAL LLC	27 LAB SAMPLE ANALYSIS	\$1,520.00	\$1,520.00
165463	9/14/2017	839422	ENVIRONMENTAL RESOURCE ASSOC	PT STUDY - ERA	\$1,454.06	\$1,454.06

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165378	9/7/2017	5168207	ALL INDUSTRIAL ELECTRIC SUPPLY	MISC ELECTRICAL SUPPLIES	\$595.83	\$1,426.88
	9/7/2017	5168205		1 IPS DRY WELL HORN	\$831.05	
165468	9/14/2017	20170901	SAMI GHOSAIN	TRAVEL REIMB: CASA CONF LODGING/AIRFARE/SHUTTLE/PER DIEM	\$1,326.95	\$1,326.95
165421	9/7/2017	149955	SYN-TECH SYSTEMS INC	ANNUAL MAINTENANCE FOR FUELMASTER	\$1,275.00	\$1,275.00
165477	9/14/2017	1283	IN-USE SOLUTIONS	OPACITY TESTING	\$1,275.00	\$1,275.00
165501	9/14/2017	39386	WECO INDUSTRIES LLC	4 HD12 CABLE END ADAPTER	\$1,221.56	\$1,221.56
165445	9/14/2017	6184	BAY AREA COATING CONSULTANT	FORCE MAIN CORROSION REPAIRS - WEST	\$1,215.50	\$1,215.50
165461	9/14/2017	20170911	PAUL ELDREDGE	EXP REIMB: WORKING LUNCHES & CASA CONF LODGING/PER DIEM/PA	\$1,197.01	\$1,197.01
165400	9/7/2017	32019031	KELLY SERVICES INC	TEMP LABOR-LUU, A. WK END 8/13/2017	\$1,036.20	\$1,036.20
165478	9/14/2017	33019009	KELLY SERVICES INC	TEMP LABOR-LUU, A. WK END 8/20/2017	\$1,036.20	\$1,036.20
165379	9/7/2017	0602105	A-PRO PEST CONTROL INC	AUGUST PEST CONTROL	\$1,005.00	\$1,005.00
165380	9/7/2017	10089963	AT&T	SERV: 07/13/17 - 08/12/17	\$65.69	\$952.54
	9/7/2017	10089962		SERV: 07/13/17 - 08/12/17	\$42.71	
	9/7/2017	10089960		SERV: 07/13/17 - 08/12/17	\$757.02	
	9/7/2017	10089964		SERV: 07/13/17 - 08/12/17	\$87.12	
165384	9/7/2017	21484345	CARBOLINE COMPANY	PAINT & RELATED PAINT SUPPLIES	\$898.81	\$898.81
165444	9/14/2017	146381	BABBITT BEARING CO INC	PUMP SHAFT REPAIR	\$878.41	\$878.41
165485	9/14/2017	1985	NATION WIDE BIRD CONTROL	INSTALL BIRD NETTING AT PASEO LIFT STATION	\$825.00	\$825.00

**UNION SANITARY DISTRICT
CHECK REGISTER
9/02/2017-09/15/2017**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165466	9/14/2017	6083142718	G&K SERVICES CO	UNIFORM LAUNDERING SERVICE	\$542.28	\$811.12
	9/14/2017	6083142717		UNIFORM LAUNDERING & RUGS	\$252.57	
	9/14/2017	6083142719		DUST MOPS, WET MOPS & TERRY TOWELS	\$16.27	
165425	9/7/2017	39067	VALLEY OIL COMPANY	ASTD GREASE & OIL	\$781.01	\$807.62
	9/7/2017	38907		5 SHELL GADUS S2V 220 TUBES	\$26.61	
165403	9/7/2017	8671	DAISY MA	REFUND # 20259	\$800.00	\$800.00
165411	9/7/2017	7891	MUKESH MIKE PATEL	REFUND # 20252	\$800.00	\$800.00
165412	9/7/2017	8560	PHO NEW SAIGON #2	REFUND # 20258	\$800.00	\$800.00
165419	9/7/2017	2	SIEGEL & STRAIN ARCHITECTS	FRONT DESK REDESIGN	\$762.50	\$762.50
165491	9/14/2017	20170907	JOSE SOTO	TRAVEL REIMB: STORMWATER CONF LODGING/SHUTTLE/PARKING	\$753.96	\$753.96
165472	9/14/2017	20170907	TOM HANDLEY	TRAVEL REIMB: CASA CONF LODGING/MEALS/PARKING	\$750.34	\$750.34
165473	9/14/2017	94420170828	HOME DEPOT CREDIT SERVICES	MONTHLY HARDWARE STMT - AUG 2017	\$745.39	\$745.39
165422	9/7/2017	29648	THOMAS AND ASSOCIATES	DEWATERING PUMP REBUILD PRIMARY 1-4	\$716.73	\$716.73
165446	9/14/2017	12062710	BLAISDELL'S	1 OFFICE CHAIR	\$558.26	\$704.81
	9/14/2017	12095320		3 BX FOLDERS	\$58.11	
	9/14/2017	12038730		ASTD OFFICE SUPPLIES	\$88.44	
165406	9/7/2017	1391013	MOBILE MODULAR MANAGEMENT CORFFMC TRAILER RENTAL - AUG 2017		\$693.63	\$693.63
165398	9/7/2017	1049857	INDUSTRIAL SAFETY SUPPLY	WINCH REPAIR	\$682.02	\$682.02
165423	9/7/2017	6412	THORNTON ENVIRONMENTAL CONST	FUEL ISLAND PUMP REPAIRS	\$644.00	\$644.00

**UNION SANITARY DISTRICT
CHECK REGISTER
9/02/2017-09/15/2017**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165454	9/14/2017	40501	CLAREMONT BEHAVIORAL SERVICES	SEP 2017 EAP PREMIUM	\$634.80	\$634.80
165418	9/7/2017	159451	SHRED WORKS INC	PICKUP AND DESTROY: MEDIA AND HARD DRIVES	\$580.00	\$580.00
165487	9/14/2017	20170905	PETTY CASH	PETTY CASH REPLENISHMENT	\$538.94	\$538.94
165429	9/7/2017	8049559093	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$458.58	\$509.66
	9/7/2017	8049547948		1 SULFURIC ACID SOL 4L	\$40.12	
	9/7/2017	8049498675		1 SODIUM HYDROXIDE 1L	\$10.96	
165404	9/7/2017	45106745	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$35.25	\$505.52
	9/7/2017	44949356		ASTD PARTS & MATERIALS	\$87.34	
	9/7/2017	44108475		2 PACKS ENGRAVING PLATE	\$32.44	
	9/7/2017	43970818		ASTD PARTS & MATERIALS	\$86.63	
	9/7/2017	43857282		ASTD PARTS & MATERIALS	\$52.75	
	9/7/2017	44949357		1 OVERSIZED EYE HOOK W/SWIVEL FOR LIFTING	\$176.31	
	9/7/2017	45055026		2 FILTER BAGS FOR PETROLEUM OIL	\$34.80	
165410	9/7/2017	7891	PACIFIC PLUMBING & SEWER SERV	REFUND # 20253	\$500.00	\$500.00
165417	9/7/2017	9261	SANACT INC DBA ROTO-ROOTER	REFUND # 20255	\$500.00	\$500.00
165434	9/14/2017	9240	ABOVE ALL PLUMBING, INC.	REFUND # 20274	\$500.00	\$500.00
165439	9/14/2017	9103	ALLSTAR PLUMBING	REFUND # 20268	\$500.00	\$500.00
165459	9/14/2017	9237	DRAIN DOCTOR	REFUND # 20272	\$500.00	\$500.00
165475	9/14/2017	8589	DAVID HUFFMAN	REFUND # 20271	\$500.00	\$500.00

**UNION SANITARY DISTRICT
CHECK REGISTER
9/02/2017-09/15/2017**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165490	9/14/2017	9256	ROOTER HERO	REFUND # 20273	\$500.00	\$500.00
165435	9/14/2017	9067056580	AIRGAS NCN	3 CYL ARGON	\$495.70	\$495.70
165393	9/7/2017	6083140087	G&K SERVICES CO	UNIFORM LAUNDERING SERVICE	\$242.27	\$482.80
	9/7/2017	6083140088		ASTD DUST MOPS, WET MOPS & TERRY TOWELS	\$16.27	
	9/7/2017	6083140086		UNIFORM LAUNDERING & RUGS	\$224.26	
165450	9/14/2017	4023521368	CANON SOLUTIONS AMERICA INC	MTHLY MAINTENANCE BASED ON USE	\$439.21	\$439.21
165497	9/14/2017	20170908	KIM TRUONG	TRAVEL REIMB: CAPPO TRAINING LODGING/PER DIEM/MILEAGE	\$433.01	\$433.01
165460	9/14/2017	8875	EAST BAY MUNI UTILITY DISTRICT	8 LAB SAMPLE ANALYSIS	\$400.00	\$400.00
165407	9/7/2017	24015864	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$372.28	\$372.28
165482	9/14/2017	24016407	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$343.09	\$343.09
165397	9/7/2017	536076	HULBERT LUMBER SUPPLY	ASTD LUMBER SUPPLIES	\$177.39	\$337.87
	9/7/2017	536051		ASTD LUMBER SUPPLIES	\$160.48	
165386	9/7/2017	20170905	RICHARD CZAPKAY	TRAVEL REIMB: CASSE MTG-LODGING/TAXI/SHUTTLE/PER DIEM	\$327.49	\$327.49
165385	9/7/2017	20170905	PETE CHAPARRO	TRAVEL PER DIEM - TRI STATE SEMINAR	\$252.00	\$252.00
165492	9/14/2017	20170831	SPOK INC	SEPTEMBER 2017 PAGER SERVICE	\$236.99	\$236.99
165415	9/7/2017	329857	RKI INSTRUMENTS INC	1 OXYGEN SENSOR	\$230.48	\$230.48
165465	9/14/2017	238511	FRANK A OLSEN COMPANY	1 Z CHARGE MACHINE ADAPTION	\$226.83	\$226.83
165470	9/14/2017	2769723607	GLACIER ICE COMPANY INC	150 7-LB BAGS OF ICE	\$220.50	\$220.50
165479	9/14/2017	20170912	ARMANDO LOPEZ	EXP REIMB: RECOGNITION LUNCH TPO & R&S TEAMS	\$206.96	\$206.96

**UNION SANITARY DISTRICT
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9/02/2017-09/15/2017**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165413	9/7/2017	17820	RED WING SHOE STORE	SAFETY SHOES: L RIVERA	\$194.99	\$194.99
165495	9/14/2017	1675216	TOTAL FILTRATION SERVICES INC	ASTD PARTS & MATERIALS	\$172.51	\$172.51
165447	9/14/2017	12117491	BLAISDELL'S	1 ANTI-STATIC WIPES	\$27.43	\$154.79
	9/14/2017	12117490		ASTD OFFICE SUPPLIES	\$85.97	
	9/14/2017	12120830		3 CARTONS EASEL PADS	\$41.39	
165432	9/14/2017	67257	3T EQUIPMENT COMPANY INC	10 PIRANAH SP/HP HOSE PARTS	\$151.24	\$151.24
165438	9/14/2017	5159364	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$143.41	\$143.41
165494	9/14/2017	907413	SWAGELOK NOR CAL	1 UNION / 1 UNION ELBOW	\$141.70	\$141.70
165431	9/7/2017	14241	WESTERN MACHINE & FAB INC	1 PIPE FLANGE	\$140.00	\$140.00
165469	9/14/2017	20170913	MICHAEL GILL	EXP REIMB: AMAZON WEB SERVICE ONLINE BACKUPS	\$139.02	\$139.02
165496	9/14/2017	115481	TRI-SIGNAL INTEGRATION INC	FIRE PROTECTION SERVICE - MONTHLY CHARGE MONITORING AGREEMENT	\$133.34	\$133.34
165474	9/14/2017	5714253	HOSE & FITTINGS ETC	ASTD PARTS & MATERIALS	\$106.85	\$106.85
165395	9/7/2017	267082	HANIGAN COMPANY INC	2 LOTS BUSINESS CARDS: MARASIGAN	\$72.04	\$100.72
	9/7/2017	267081		1 LOT BUSINESS CARDS: ESPINOSA	\$28.68	
165381	9/7/2017	12108600	BLAISDELL'S	3 RETR GEL PENS	\$10.50	\$71.41
	9/7/2017	12101300		1 MESH DESKTOP STAND	\$6.90	
	9/7/2017	12094640		2 FRAMES	\$48.27	
	9/7/2017	12102170		1 BX CLASP ENVELOPES	\$5.74	
165457	9/14/2017	20170907	CWEA	SEMINAR REG: T. GRILLO	\$70.00	\$70.00

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9/02/2017-09/15/2017**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
165396	9/7/2017	5711966	HOSE & FITTINGS ETC	ASTD PARTS & MATERIALS	\$28.54	\$66.62
	9/7/2017	5712272		ASTD PARTS & MATERIALS	\$38.08	
165377	9/7/2017	4088644120170823	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 08/23/17 - BOYCE ROAD	\$66.03	\$66.03
165481	9/14/2017	20170911	LILIANA MORENO	EXP REIMB: PREEMPLOYMENT BACKGROUND FEE	\$62.00	\$62.00
165440	9/14/2017	1763762	ANALYSTS, INC.	2 LAB SAMPLE ANALYSIS	\$48.30	\$48.30
165453	9/14/2017	298994	CENTERVILLE LOCKSMITH	8 SCHLAGE DND KEY BLANK	\$17.12	\$17.12
165441	9/14/2017	7011324921	APPLIED INDUSTRIAL TECHNOLOGIE	1 CONTINENTAL A57	\$10.22	\$10.22

Invoices:

Credit Memos :	0	
\$0 - \$1,000 :	118	36,600.69
\$1,000 - \$10,000 :	57	179,063.21
\$10,000 - \$100,000 :	16	335,389.26
Over \$100,000 :	1	118,820.38
Total:	192	669,873.54

Checks:

\$0 - \$1,000 :	64	27,291.28
\$1,000 - \$10,000 :	44	141,123.70
\$10,000 - \$100,000 :	18	382,638.18
Over \$100,000 :	1	118,820.38
Total:	127	669,873.54

'Total monster': fatberg blocks London sewage system

Thames Water must break up congealed mass of fat, wet wipes and nappies to prevent raw sewage flooding streets

TUESDAY 12 SEPTEMBER 2017

MATTHEW TAYLOR



A fatberg weighing the same as 11 double decker buses and stretching the length of two football pitches is blocking a section of London's ageing sewage network.

The congealed mass of fat, wet wipes and nappies is one of the biggest ever found and would have risked raw sewage flooding on to the streets in Whitechapel, east London, had it not been discovered during a routine inspection earlier this month.

Now workmen armed with shovels and high-powered jets are working seven days a week to break it up. The grim task is expected to take three weeks.

Thames Water's head of waste networks, Matt Rimmer, said: "This fatberg is up there with the biggest we've ever seen. It's a total monster and taking a lot of manpower and machinery to remove as it's set hard."

The east London fatberg

250m

the length of Whitechapel's
'total monster' fatberg

Representation of fatberg



240m

the length of
Tower Bridge



130 tonnes

the estimated weight of
the congealed mass of fat,
which is the weight of ...

two

Airbus A318 aircraft ...



... or ...

19

African elephants



Guardian graphic | Note: Airbus A318 are 68 tonnes each, an adult elephant weights approximately seven tonnes

"It's basically like trying to break up concrete. It's frustrating as these situations are totally avoidable and caused by fat, oil and grease being washed down sinks and wipes flushed down the loo."

The fatberg is estimated to weigh 130 tonnes and stretches for 250 metres making it 10 times larger than the one found in a sewer in Kingston, London, in 2013.

The crew trying to break it up are equipped with special protective suits and at times will have to hack away at the fatberg with shovels. The waste will then be sucked up into tankers and taken for disposal at a recycling plant in Stratford.

Rimmer said: "We check our sewers routinely but these things can build up really quickly and cause big problems with flooding, as the waste gets blocked. It's fortunate in this case that we have only had to close off a few parking bays to get to the sewer. Often we have to shut roads entirely, which can cause widespread disruption, especially in London."

CCTV camera inspections showed the 1,200mm high by 700mm wide sewer to be totally blocked by the fatberg, which is 3.5 metres deep.

Thames Water says it spends about £1m a month clearing blockages from its sewers in London and the Thames Valley – an average of three fat-related blockages every hour.

Earlier this year, the company announced it was exploring whether it could use recovered fatbergs for biodiesel.

But Rimmer said the real solution was for consumers and business to dispose of fat and wipes in the bin. Engineers have also been visiting food outlets to discuss how they dispose of fat and food waste, plus offer advice on grease-trapping equipment for commercial kitchens.

“Yes, a lot of the fat comes from food outlets but the wipes and sanitary items are far more likely to be from domestic properties,” he said. “The sewers are not an abyss for household rubbish and our message to everyone is clear: please ‘bin it – don’t block it’.”

Napa Sanitation District reviews money-saving sewer fix effort

[BARRY EBERLING beberling@napanews.com](mailto:beberling@napanews.com)

Sep 17, 2017

Napa Sanitation District a decade ago balked at the \$120 million cost to install sewer pipes big enough to handle peak rainy season flows and decided to explore a cheaper alternative.

Instead, the district would fix sewer pipes leaks that let rain-fed groundwater in, though not sewage out. That might stop large storms from swamping the sewers, possibly causing blowouts of sewage bubbling out of manholes onto streets.

The district recently studied the track record of this alternate approach and decided so far, so good. There's just more work to be done.

"I believe the process we're doing now has been cost effective," district General Manager Tim Healy said. "We've already made a significant dent in peak flows."

During the summer, district sewers handle 6.5 million gallons of flow daily. Theoretically, this should be the same during the rainy season, since storm drains lead directly to creeks and the Napa River, not to sewers. Still, storms can increase sewer flows more than 13 times to 90 million gallons daily.

Water enters the sewer lines through cracks and leaky joints. It also enters when people illegally tie rain gutters, sump pumps, storm drains and other drainage into the sewer system.

Fixing leaks should reduce both peak flows and the need to add bigger pipes, the December 2007 Collection System Master Plan said. Many of the district's pipes date back decades, before the Clean Water Act made infiltration a concern and before construction methods had achieved watertight joints, it said.

Study the infiltration problem before resorting to the more expensive conveyance capacity expansions, the report recommended.

The district has done six renovation projects in the city of Napa dating back to 2011 involving 13 miles of pipe at a cost of \$16.3 million. The result, according to a new district report, is about a 10-million-gallon reduction in daily wet-weather peak flows.

These projects involve going to neighborhoods, pulling a cone called an expander head through the existing, leaky pipes and busting them. Behind the expander is new pipe that is pulled into place.

Another approach is to install a liner inside of the existing pipes.

Still, big January and February storms last winter led to 540,000 gallons of Napa Sanitation District sewage-tainted water being spilled, almost enough to fill an Olympic-sized swimming pool. The system wasn't yet ready to handle the third wettest winter on record.

"We have a long way to go," Healy said. "We still have to get flow out."

The district last year approved a series of sewer rate increases in part so it can step up its infiltration reduction efforts.

Healy said it's still unclear how much money the district can shave off that \$120 million estimate for bigger pipes, given that some bigger pipes may be needed. The \$120 million comes to more than \$142 million in today's dollars. It doesn't include expansions the district would also need to make to its pumping system and wastewater treatment plant.

For example, the master plan calls for adding a second 66-inch-diameter pipe in one section of the sewer system. Healy said it's still unclear if the district can eliminate the need for this pipe or might have to add a smaller, 36-inch-diameter pipe.

The rehabilitation-and-replacement projects are costing the district about \$1.2 million per mile. Using that expander cone method of pulling the replacement pipe into place means little of the street must be disturbed.

Healy said digging up streets and installing bigger pipes would cost more than twice that amount.

"We're pleased with the progress to date," Healy said. "It's been very successful."