



BOARD MEETING AGENDA
Monday, June 25, 2018
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 Special Meeting of May 8, 2018.

- Motion 5. Approve Minutes of the Special Meeting of June 4, 2018.

- Motion 6. Approve Minutes of the Special Meeting of June 11, 2018.

- Motion 7. Approve Minutes of the Regular Meeting of June 11, 2018.

- Information 8. May 2018 Monthly Operations Report *(to be reviewed by the Budget & Finance and Legal/Community Affairs Committees)*.

9. Written Communications.

10. Oral Communications.
The public may provide oral comments at regular and special Board meetings; however, whenever possible, written statements are preferred (to be received at the Union Sanitary District office at least one working day prior to the meeting). This portion of the agenda is where a member of the public may address and ask questions of the Board relating to any matter within the Board's jurisdiction that is not on the agenda. If the subject relates to an agenda item, the speaker should address the Board at the time the item is considered. Oral comments are limited to three minutes per individuals, with a maximum of 30 minutes per subject. Speaker's cards will be available in the Boardroom and are to be completed prior to discussion.

- Public Hearing 11. Public Hearing to Consider Collection of Sewer Service Charges on the Tax Rolls for Fiscal Year 2019 and Adoption of a Resolution Electing to Collect Sewer Service Charges on the Tax Rolls *(to be reviewed by the Budget & Finance Committee)*.

- Public Hearing 12. Conduct a Public Hearing to Receive Comments on the Initial Study and Mitigated Negative Declaration of Environmental Impacts for the Emergency Outfall Improvements Project *(to be reviewed by the Engineering and Information Technology Committee)*.

- Motion 13. Consider Approving Final Operating and CIP Budgets for Fiscal Year 2019 *(to be reviewed by the Budget & Finance Committee)*.

- Motion 14. Review and Consider Options Regarding the East Bay Dischargers Authority (EBDA) Joint Powers Authority (JPA).
-
- Motion 15. Authorize the General Manager to Execute Task Order No. 2 with Woodard & Curran, Inc. for the Newark Basin Sewer Master Plan Update *(to be reviewed by the Engineering and Information Technology Committee)*.
-
- Information 16. Report on the East Bay Dischargers Authority (EBDA) Meeting of May 17, 2018.
-
- Information 17. Check Register.
-
- Information 18. Committee Meeting Reports. *(No Board action is taken at Committee meetings):*
- a. Legal/Community Affairs Committee – Wednesday, June 20, 2018, at 10:30 a.m.
 - Director Handley and Director Lathi
 - b. Engineering and Information Technology Committee – Wednesday, June 20, 2018, at 3:00 p.m.
 - Director Kite and Director Toy
 - c. Budget & Finance Committee – Friday, June 22, 2018, at 11:00 a.m.
 - Director Handley and Director Toy
 - d. Legislative Committee – will not meet.
 - e. Audit Committee – will not meet.
 - f. Personnel Committee – will not meet.
-
- Information 19. General Manager’s Report. *(Information on recent issues of interest to the Board)*.
-
20. 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.
-
21. Adjournment – The Board will adjourn to a Special Meeting in the Boardroom on Monday, July 16, 2018, 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
Wednesday, June 20, 2018
10:30 a.m.

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

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

Karen W. Murphy
Attorney

**THIS MEETING WILL BE TELECONFERENCED WITH DIRECTOR HANDLEY AND DIRECTOR LATHI
FROM 43225 MISSION BOULEVARD, FREMONT, CALIFORNIA**

1. Call to Order

2. Roll Call

3. Public Comment

4. Items to be reviewed for the Regular Board meeting of June 25, 2018:

- May 2018 Monthly Operations Report – Odor and Work Group Reports
-

5. Adjournment

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

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

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

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THE PUBLIC IS INVITED TO ATTEND



Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

**ENGINEERING & INFORMATION TECHNOLOGY
COMMITTEE MEETING**

Committee Members: Director Kite and Director Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

AGENDA

Wednesday, June 20, 2018

3:00 P.M.

Karen W. Murphy
Attorney

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

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

1. Call to Order

2. Roll Call

3. Public Comment

4. Items to be reviewed for the Regular Board meeting of June 25, 2018:
 - Conduct a Public Hearing to Receive Comments on the Initial Study and Mitigated Negative Declaration of Environmental Impacts for the Emergency Outfall Improvements Project
 - Authorize the General Manager to Execute Task Order No. 2 with Woodard & Curran, Inc. for the Newark Basin Sewer Master Plan Update

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

REVISED



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

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

AGENDA
Friday, June 22, 2018
11:00 a.m.

Alvarado Conference Room
5072 Benson Road
Union City, CA 94587

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

Karen W. Murphy
Attorney

1. Call to Order

2. Roll Call

3. Public Comment

4. Items to be reviewed for the Regular Board meeting of June 25, 2018:
 - May 2018 Monthly Operations Report – Financial Reports
 - Public Hearing to Consider Collection of Sewer Service Charges on Tax Roll for Fiscal Year 2019 and Adoption of a Resolution Electing to Collect Sewer Service Charges on the Tax Rolls
 - Consider Approving Final Operating and CIP Budgets for Fiscal Year 2019
 - ~~Cal-Card Quarterly Activity Report~~

5. Adjournment

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

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

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

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THE PUBLIC IS INVITED TO ATTEND

**MINUTES OF THE SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
May 8, 2018**

CALL TO ORDER

President Kite called the special meeting to order at 5:30 p.m.

ROLL CALL

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

STAFF: Paul Eldredge, General Manager/District Engineer
Sami Ghossain, Technical Services Manager
James Schofield, Collection Services Manager
Robert Simonich, Fabrication, Maintenance, and Construction Manager
Armando Lopez, Treatment and Disposal Services Manager
Laurie Brenner, Business Services Coach
Randy Musgraves, Business Services Consultant

PUBLIC COMMENT

There was no public comment.

BOARD WORKSHOP

General Manager Eldredge presented the Fiscal Year 2019 Operating Budget for Board review.

ADJOURNMENT:

The special meeting was adjourned at approximately 7:00 p.m. to the next Regular Board Meeting in the Boardroom on Monday, May 14, 2018, at 7:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

MANNY FERNANDEZ
SECRETARY

APPROVED:

PAT KITE
PRESIDENT

Adopted this 25th day of June, 2018

**MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
June 4, 2018**

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

ABSENT: Tom Handley, Director

STAFF: Paul Eldredge, General Manager
Karen Murphy, District Counsel
Sami Ghossain, Technical Services Manager
Armando Lopez, Treatment and Disposal Services Manager

James Schofield, Collection Services Manager
Gene Boucher, Human Resources Manager
Laurie Brenner, Business Services Coach
Michelle Powell, Communications and Intergovernmental Relations Coordinator
Randy Musgraves, Business Services Consultant
Danielle Lemos, Administrative Specialist

VISITORS: Alice Johnson, League of Women Voters
Roelle Balan, Tri-City Voice Newspaper

APPROVAL OF THE MINUTES OF THE REGULAR MEETING OF MAY 14, 2018

It was moved by Director Toy, seconded by Secretary Fernandez, to approve the Minutes of the Regular Meeting of May 14, 2018. Motion carried with the following vote:

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

BALANCED SCORECARD

This item was reviewed by the Legal and Community Affairs Committee.

- a. Third Quarter FY 18 District-wide Balanced Scorecard Measures – Business Services Coach Brenner provided an overview of the third quarter Fiscal Year 2018 Balanced Scorecard included in the Board meeting packet.
- b. Balanced Scorecard Report for the Technical Services Work Group – Technical Services Manager Ghossain presented the following:

The summary of objectives and measures remained unchanged from the prior year's report.

- Capital Improvements Projects (CIP) Team measures focus on internal and external customer satisfaction, management of District funds, and successful quality control of capital projects.
 - All customer perspective surveys regarding communication and responsiveness of project managers exceeded the target of 90%.
 - The Thickener Control Building Improvements Project was the only project to exceed the 20% target for percent of design and construction management costs to construction cost. The higher percentage was due to the extended construction period and complexity of the project.
 - Details regarding Projects that exceeded the goal for percentage of total contract change order amounts to construction costs were included in the Board meeting packet.
- Customer Service (CST) Team measures focus on timely return of plan reviews, dispatching trouble calls, collection of fees, providing quality construction inspection of sewer facilities, and providing high-quality customer service to both external and internal customers.
 - The goal of less than five refunds issued per year was attained with two refunds issued in the past year, the largest being \$1,993.
 - The goal of checking 90% of plans within 10 working was not met in the fourth quarter of FY 17 and the first quarter of FY 18. In addition to an increase in plan reviews, the Team experienced an unexpected vacancy of a key staff member. The longest turnaround time during the reporting period was 29 days. In the second quarter the vacancy was fill by a temporary employee, improving plan check review time. The average review time for all four quarters was 6.9 days.
 - The goal of dispatching a minimum of 90% of trouble calls within 10 minutes was exceeded in all four quarters. The longest relay time was 17 minutes.
- Environmental Compliance (EC) Team measures are related to the protection of District workers, facilities, and the Plant from potentially harmful discharges; compliance with Local, State, and Federal regulations and requirements; and developing constructive and professional relationships with our Industrial and Commercial users.

- All Public Outreach surveys returned indicated 100% positive feedback. Targets were exceeded in all quarters except quarter one due to schools being out of session over the summer.
- EC staff were successful in meeting the target of 90%-100% expenditures for the City of Fremont Clean Water Program Contract. A total of 72% was spent and invoiced by end of quarter three, and the Team projects 90% of the annual budget will be utilized by the end of FY18.
- EC inspectors exceeded all quarterly targets for the number of samples taken.

WRITTEN COMMUNICATIONS

There were no written communications.

ORAL COMMUNICATIONS

Alice Johnson thanked General Manager Eldredge, the Board, and Union Sanitary District staff for a fabulous Open House. She acknowledged the effort required to organize an event of this scale and commended all involved. Her family, friends, and neighbors who attended were impressed and thoroughly enjoyed the tour. Staff was extremely knowledgeable, friendly, and outgoing. The posters were wonderful and easy to understand. Safety was well planned and organized. She commended the Board for adhering to the Brown Act. Additionally, Ms. Johnson reminded all to be sure to vote tomorrow.

CONSIDER A RESOLUTION TO ACCEPT A SANITARY SEWER EASEMENT FOR TRACT 8192 – CALABRIA, LOCATED ON ALDER AVENUE BETWEEN POLVOROSA COURT AND NASA TERRACE IN THE CITY OF FREMONT

This item was reviewed by the Legal and Community Affairs Committee. Technical Services Manager Ghossain stated that developer Van Daele is constructing 17 single family units within the City of Fremont. A vicinity map was included in the Board packet for reference. Roadways do not meet City standards for public streets, therefore are designated as private streets. A sanitary sewer easement is required. Staff recommended the Board consider a resolution to accept a sanitary sewer easement for Tract 8192 – Calabria, located on Alder Avenue between Polvorosa Court and Nasa Terrace in the City of Fremont.

It was moved by Vice President Lathi seconded by Director Toy to Adopt Resolution No. 2828 Accepting a Sanitary Sewer Easement for Tract 8192 – Calabria, Located on Alder Avenue Between Polvorosa Court and Nasa Terrace, in the City of Fremont, California. Motion carried with the following vote:

AYES: Fernandez, Kite, Lathi, Toy

ABSENT: Handley

ABSTAIN: None

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SCHEDULING PUBLIC HEARING TO CONSIDER COLLECTION OF SEWER SERVICE CHARGES ON THE TAX ROLL FOR FISCAL YEAR 2019

This item was reviewed by the Budget and Finance Committee. Business Services Coach Brenner stated the Board approved sewer service charge rates for fiscal years 2017 through 2021 on January 25, 2016. The collection of sewer service charges on the tax rolls requires an annual hearing and consideration by the Board. Staff prepared the report to be considered at the public hearing and published the Public Hearing Notice in the Argus Newspaper and the Tri-City Voice.. Staff recommended the Board set the time for holding the public hearing to consider collection of sewer service charges on the tax roll for fiscal year 2019 for 7:00 p.m., or as soon thereafter as the matter may be heard, on June 25, 2018, in the Boardroom at 5072 Benson Road, Union City, California.

It was moved by Vice President Lathi seconded by Secretary Fernandez to Set the Time for Holding the Public Hearing to Consider Collection of Sewer Service Charges on the Tax Roll for Fiscal Year 2019 at 7:00 p.m. on June 25, 2018, in the Boardroom at 5072 Benson Road, Union City, California. Motion carried with the following vote:

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

CONSIDER A RESOLUTION TO ADOPT CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT SYSTEM (CALPERS) REQUIREMENTS REGARDING COACH CRITERIA PAY

This item was reviewed by the Budget and Finance Committee. Human Resources Manager Boucher stated that during a recent routine audit it was determined by CalPERS that the Board is required to pass a resolution to adopt CalPERS requirements regarding Coach criteria pay. Staff recommended the Board adopt a resolution confirming and approving Coach Criteria Pay as pensionable compensation.

It was moved by Secretary Fernandez seconded by Director Toy to Adopt Resolution No. 2829 Adopting California Public Employees' Retirement System (CalPERS) Requirements Regarding Coach Criteria Pay. Motion carried with the following vote:

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

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AUTHORIZE THE GENERAL MANAGER TO EXECUTE AN ON-CALL SUPPORT SERVICES AGREEMENT WITH VALLEJO FLOOD AND WASTEWATER DISTRICT FOR SUPPORT SERVICES ON A TEMPORARY BASIS IN THE EVENT OF POTENTIAL ISSUES WITH USD'S EMERGENCY POWER BACK-UP SYSTEM

This item was reviewed by the Legal and Community Affairs Committee. General Manager Eldredge stated the District has a legacy emergency power back up system on site, the newest being 20-25 years old. The District is in the process of designing a project to replace the legacy system. The District has developed a contingency plan and requested from Vallejo Flood and Wastewater District that an on-call agreement be entered, and that support would be provided should a system failure occur. Credit was given to Technical Services Manager Ghossain for this innovative solution. This agreement is in the not-to-exceed amount of \$15,000 with an anticipated completion date of 2021. Staff recommended the Board approve and authorize execution of an on-call support services agreement with Vallejo Flood and Wastewater District for support services on a temporary basis, with minor revisions as may be approved by the General Manager and General Counsel.

It was moved by Secretary Fernandez, seconded by Vice President Lathi, to Authorize the General Manager to Execute the Proposed Agreement with Vallejo Flood and Wastewater District for Support Services on a Temporary Basis in the Event of Potential Issues with Union Sanitary District's Emergency Power Back-up System. Motion carried with the following vote:

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

RECEIVE POTENTIAL CONTENT TOPICS FOR THE DISTRICT'S AUTUMN 2018 NEWSLETTER AND PROVIDE DIRECTION

This item was reviewed by the Legal/Community Affairs Committee. The Board provided feedback regarding potential newsletter content. Potential topics included: the District's relationship with other agencies, sea level rise, Plant Master Plan, the District's Lateral Program, FOG, employee bios, a "Did You Know" section with an emphasis on fun facts and environmental messaging. The Board expressed interest in possibly developing a contest to engage District customers to be included in a future newsletter. Staff requested the Board provide direction regarding content topics for the District's Autumn 2018 newsletter.

General Manager Eldredge stated staff would work to develop a draft outline and content to present to the Board at a workshop, time permitting. Alternatively, the item may be brought to a future Board meeting.

PROPOSED OPERATING AND CIP BUDGET FOR FISCAL YEAR 2019

This item was reviewed by the Budget and Finance Committee. General Manager Eldredge stated the proposed operating and CIP budget for Fiscal Year 2019 was presented at the Budget workshop held on May 8, 2018. A summary of changes made to the proposed budget since the workshop was included in the Board meeting packet. Staff will present the

Fiscal Year 2019 Operating and CIP Budget for Board consideration and adoption at the June 25, 2018 Board meeting.

Business Services Coach Brenner summarized changes made to the proposed budget since the May 8, 2018 workshop. Changes of note included the following:

- The Alvarado Pump Station Project funding allocations were adjusted but yielded no net change for FY19. Details were included in the special projects section.
- A tenured Collections Services Coach is retiring. Funds have been allocated for the staffing overlap during transition.
- The manufacturer of a replacement Vector truck was unable to deliver prior to the end of Fiscal Year 2018, estimated actuals and carryover for FY19 were adjusted accordingly.
- The District's contribution for the Board members' 457 plan was not carried over in the Board budget. An adjustment of \$3,000 has been made.

General Manager Eldredge stated reserves were correct in the draft budget, but the graphs will be corrected to show \$19,036,000, and Capital Improvements will be corrected to show \$9,200,000. The graphs will be updated prior to the presentation at the June 25, 2018, Board meeting.

At the May Budget Workshop, there was a discussion regarding replacement of pool vehicles. General Manager Eldredge suggested an alternate surplus and replacement schedule that would extend the replacement over a 6-year period but would conclude with the same result as the previous direction provided. It is estimated this option would reduce the proposed FY19 budget by approximately \$40,000. The Board agreed by consensus that the budget would be adjusted to reflect this proposal.

INFORMATION ITEMS:

Legislative Update on Regional Issues of Interest to the Board

This item was reviewed by the Legislative Committee. General Manager Eldredge stated the Board previously requested that local and state legislative items be reported separately. This item included local legislative updates. General Manager Eldredge provided an overview of the legislative update report included in the Board meeting packet.

Check Register

All questions were answered to the Board's satisfaction.

COMMITTEE MEETING REPORTS:

The Legal/Community Affairs, Budget and Finance, and Legislative Committees met.

GENERAL MANAGER'S REPORT:

General Manager Eldredge reported the following:

- The District's Centennial event held on May 19, 2018, was a big success. The District welcomed approximately 750 attendees, and staff determined many of those who came stayed nearly the entire duration of the event. Nothing but positive feedback

was received, and attendees acknowledged the hard work and knowledge of staff. Several General Managers from other agencies attended and gave positive feedback. General Manager Eldredge acknowledged Regina McEvoy and Michelle Powell for their wonderful job coordinating the event. Board members agreed that the event was a success and thanked staff for all their hard work. General Manager Eldredge stated staff will provide a breakdown of Open House expenses to the Board in July or early August.

- General Manager Eldredge provided a Workshop and Closed Session Summary to the Board. A closed session is currently scheduled for June 11, 2018 at 6 p.m. preceding the scheduled Board meeting. A District update workshop was previously discussed for June but will need to be postponed to July or August depending upon Board and staff availability.
- General Manager Eldredge stated a Commencement of the District's Leadership School will occur at the June 11, 2018, Board meeting. Graduates will be presented certificates acknowledging their completion of the program.

OTHER BUSINESS:

There was no other business.

ADJOURNMENT:

The meeting was adjourned at 7:55 p.m. to the next Regular Meeting in the Boardroom on Monday, June 11, 2018, at 7:00 p.m.

SUBMITTED:

ATTEST:

DANIELLE LEMOS
ADMINISTRATIVE SPECIALIST

MANNY FERNANDEZ
SECRETARY

APPROVED:

PAT KITE
PRESIDENT

Adopted this 25th day of June 2018

**MINUTES OF THE SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
June 11, 2018**

CALL TO ORDER

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

ROLL CALL

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

ABSENT: Manny Fernandez, Secretary

STAFF: Paul Eldredge, General Manager
Karen Murphy, District Counsel
Leah Castella, Special District Counsel

ORAL COMMUNICATIONS

There were no oral communications.

CLOSED SESSION

The Board adjourned to Closed Session for the following matters:

CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9: One potential case

The Board reconvened to Open Session. President Kite reported there was no reportable action.

ADJOURNMENT:

The special meeting was adjourned at approximately 6:45 p.m. to the next Regular Board Meeting in the Boardroom on Monday, June 11, 2018, at 7:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

MANNY FERNANDEZ
SECRETARY

APPROVED:

PAT KITE
PRESIDENT

Adopted this 25th day of June, 2018

**MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
June 11, 2018**

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
Jennifer Toy, Director
Tom Handley, Director

ABSENT: Manny Fernandez, Secretary

STAFF: Paul Eldredge, General Manager
Karen Murphy, District Counsel
Sami Ghossain, Technical Services Manager
Armando Lopez, Treatment and Disposal Services Manager
Robert Simonich, Fabrication, Maintenance, and Construction Manager
James Schofield, Collection Services Manager
Gene Boucher, Human Resources Manager
Laurie Brenner, Business Services Coach
Karoline Terrazas, Training and Emergency Response Programs Manager
Michelle Powell, Communications and Intergovernmental Relations Coordinator
Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

Roelle Balan, Tri-City Voice Newspaper

The Board agreed by consensus to present the Leadership School Graduation Certificates before proceeding with other items on the Board meeting agenda.

PRESENTATION OF LEADERSHIP SCHOOL GRADUATION CERTIFICATES

General Manager Eldredge stated the District's Leadership School is intended to support strategic transition plans related to recruitments, hiring, and training at the District. The Union Sanitary District Leadership School is a two-year program that included 15 in-house courses covering management related topics. Participants were required to meet with two different mentors, and complete college courses throughout the program.

Leadership School Graduation Certificates were distributed to the following District employees who successfully completed the program:

Curtis Bosick, Associate Engineer
Douglas Dattawalker, Environmental Outreach Representative
Mohammad Ghoury, Engineering Technician III
Theresa Rodriguez, Customer Service Fee Analyst
Edward Tatola, Mechanic II

President Kite recessed the meeting at 7:12 p.m. for a reception in honor of the District's Leadership School graduates.

President Kite reconvened the meeting at 7:30 p.m.

APRIL 2018 MONTHLY OPERATIONS REPORT

This item was reviewed by the Budget & Finance and Legal/Community Affairs Committees. General Manager Eldredge provided details regarding one odor report, and an overview of the April 2018 Monthly Operations Report included in the Board meeting packet. Business Services Coach Brenner provided an overview of the April 2018 financial reports.

WRITTEN COMMUNICATIONS

There were no written communications.

ORAL COMMUNICATIONS

There were no oral communications.

AUTHORIZE THE GENERAL MANAGER TO EXECUTE TASK ORDER NO. 2 WITH WOODARD AND CURRAN, INC. FOR THE HEADWORKS SCREEN NO. 3 PROJECT

This item was reviewed by the Engineering and Information Technology Committee. Technical Services Manager Ghossain stated wastewater enters the District's treatment Plant through the Headworks Building. The Headworks Building has three screening channels, two of which have been equipped with mechanically raked climber-type bar screens. The third channel has a manual bar rack and is used to bypass the wastewater when one or both mechanical screens are out of service and requires an operator to continuously monitor the rack and manually remove the debris it captures. Staff decided to pursue installation of a new mechanical screen in the third channel to provide redundancy that will allow staff to take the screens out of service during peak flow conditions. An agreement and Task Order No. 1 was executed October 31, 2017, for predesign services for the Headworks Screen No. 3 Project. Task Order No. 2 will cover final design services for the Project, and staff anticipate design will be completed by Fall 2018. Staff recommended the Board authorize the General Manager to execute Task

Order No. 2 with Woodard and Curran, Inc. in the amount of \$108,552 for the Headworks Screen No. 3 Project.

It was moved by Vice President Lathi, seconded by Director Handley, to Authorize the General Manager to Execute Task Order No. 2 with Woodard and Curran, Inc. in the Amount of \$108,552 for the Headworks Screen No. 3 Project. Motion carried with the following vote:

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

REVIEW AND CONSIDER APPROVAL OF POLICY #5340, GRATUITIES

This item was reviewed by the Legal/Community Affairs Committee. Human Resources Manager Boucher stated Policy #5340, Gratuities is reviewed by the Executive Team and approved by the Board of Directors every five years. Policy #5340 provides guidelines on how to treat gifts from outside sources. Staff reviewed the Policy, and recommended minor changes. Staff recommended the Board review and consider approval of District Policy #5340, Gratuities.

It was moved by Vice President Lathi, seconded by Director Toy, to Approve Policy #5340, Gratuities Motion carried with the following vote:

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

INFORMATION ITEMS:

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

This item was reviewed by the Legislative Committee. General Manager Eldredge provided an overview of the State and National Legislative Update included in the Board meeting packet, and responded to Boardmember questions.

Check Register

There were no comments or questions regarding the check register included in the Board meeting packet.

COMMITTEE MEETING REPORTS:

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

GENERAL MANAGER’S REPORT:

General Manager Eldredge reported the following:

- The July 9, 2018, Regular Board meeting has been canceled. A Special Board meeting will be held July 16, 2018, and a Regular Board meeting will be held July 23, 2018.
- General Manager Eldredge thanked staff for their efforts in preparing for and conducting the District’s Open House held May 19, 2018.

OTHER BUSINESS:

There was no other business.

ADJOURNMENT:

The meeting was adjourned at 8:02 p.m. to a Regular Meeting in the Boardroom on Monday, July 16, 2018, at 7:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

MANNY FERNANDEZ
SECRETARY

APPROVED:

PAT KITE
PRESIDENT

Adopted this 25th day of June 2018



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

DATE: June 18, 2018

MEMO TO: Board of Directors - Union Sanitary District

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

SUBJECT: Agenda Item No. 8 - Meeting of June 25, 2018
Information Item: **Monthly Operations Report for May 2018**

Background

Attached are Monthly Operations Reports for May 2018. Staff is available to answer questions regarding information contained in the report.

Work Group Managers

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

ODOR COMPLAINTS:

During the month of May 2018, there was one odor complaint received by the Collection System and one odor complaint received by the Plant. Details regarding both odor complaints were included in the May 2018 Odor Report.

SAFETY:

- We had one lost time injury in February that the employee continues to be off work.
- Most of the month was focused around the Centennial Open House. There were no safety issues from the Centennial event.
- There was one near miss reported. One of the Vactor trucks had a failure of a vacuum relief valve damaging the main debris tank.

STAFFING & PERSONNEL:

Continuing Recruitments:

- Assistant/Associate Engineer (replacement for Chris Elliott's resignation)
- Coach, Collection Services (replacement for Rich Czapkay's retirement)

Other Accomplishments:

- Contract negotiations on-going
- Leadership School – Planning for Commencement and Program Wrap-up
- Organizational Support Team participated in successful USD Centennial Open House
- ICMA-RC, our Deferred Compensation Program Administrator, held a Retirement Planning seminar, "Why Save Early"

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

- Attended the East Bay Dischargers Authority (EBDA) Managers Advisory Committee meeting
- Attended the East Bay Dischargers Authority Meeting
- Attended the staff trip to visit the Riverside Wastewater Treatment Plant
- Attended the Certificates of Merit Award Ceremony
- Attended in the Budget Board Workshop
- Provided a presentation at the Realty Experts meeting in Fremont
- Attended a Recycled Water Discussion meeting with Alameda County Water District and San Francisco Public Utilities Commission staff

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



ODOR REPORT May 2018

Collection Services

During the recording period from May 01, 2018 through May 31, 2018, there was one odor related service request received by Collection Services.

City: Newark

1. **Complaint Details:**

Date: 5/1/2018

Location: CALAIS PL

Wind (from): N/A

Temperature: 59 Degrees F

Time: 9:00 am

Reported By: Darrell

Wind Speed: 5 mph

Weather: Sunny

Response and Follow-up:

We inspected our USD mains and storm drains. We detected no odors. We suggested that the homeowner run water to fill the P-traps to help control any odors. We also gave them our USD brochure.

Treatment Plant (Union City)

During the recording period from May 01, 2018 through May 31, 2018, there was one odor related service request received by the Treatment Plant.

1. **Complaint Details:**

Date: 5/14/2018

Location: MACKINAW ST

Wind (from): West

Temperature: 70 Degrees F

Tide Information:

High Tide Reading: 5.7 FT/Time

High Tide Time: 10:55:00 PM

Time: 10:00 am

Reported By: Sam Dua

Wind Speed: 14.5 mph

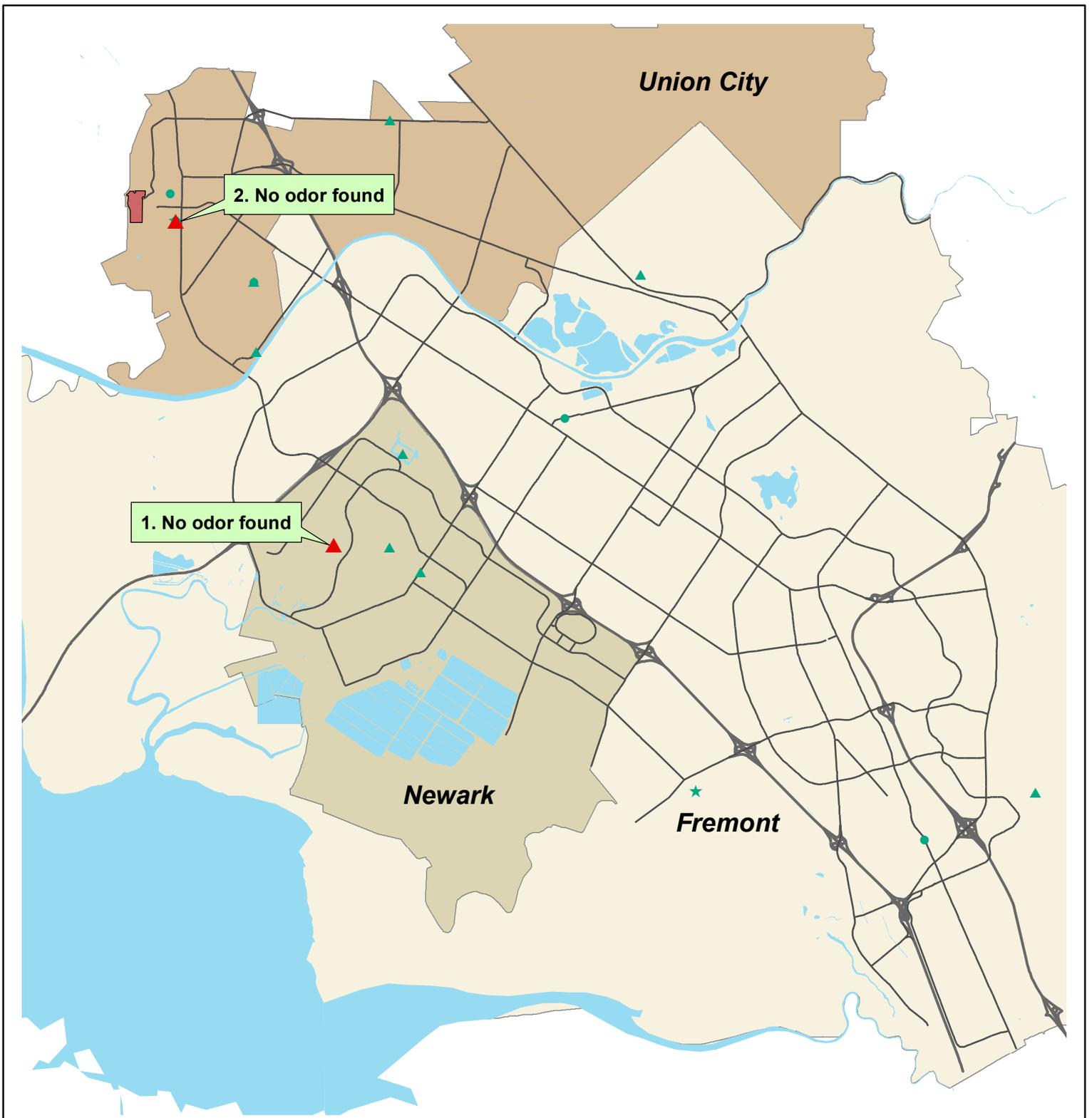
Weather: N/A

Low Tide Reading: 0.2 FT/Time

Low Tide Time: 5:37:00 PM

Response and Follow-up:

- USD Staff dispatched to complaint location? No
- Were any odors detected at the complaint location? N/A
 - If yes, was odor attributed to USD? N/A
- Were any odors detected at the Plant? N/A
 - If yes, what odors were found? N/A
- Additional Information: Voicemail was left for Plant Manager on Friday, May 11 at 4:48 p.m., however it was after work hours. Voicemail was received Monday, May 14. Plant staff did not have the opportunity to conduct an investigation.



Legend

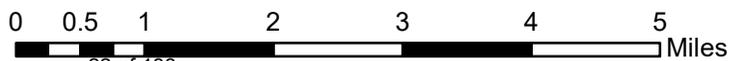
Odor Complaints: May 2018

- ★ Odor found, USD resolved (0)
- Odor found, not related to USD (0)
- ▲ No odor found (2)

Odor Complaints: Jun. 2017 to Apr. 2018

- ★ Odor found, USD resolved (3)
- Odor found, not related to USD (5)
- ▲ No odor found (12)

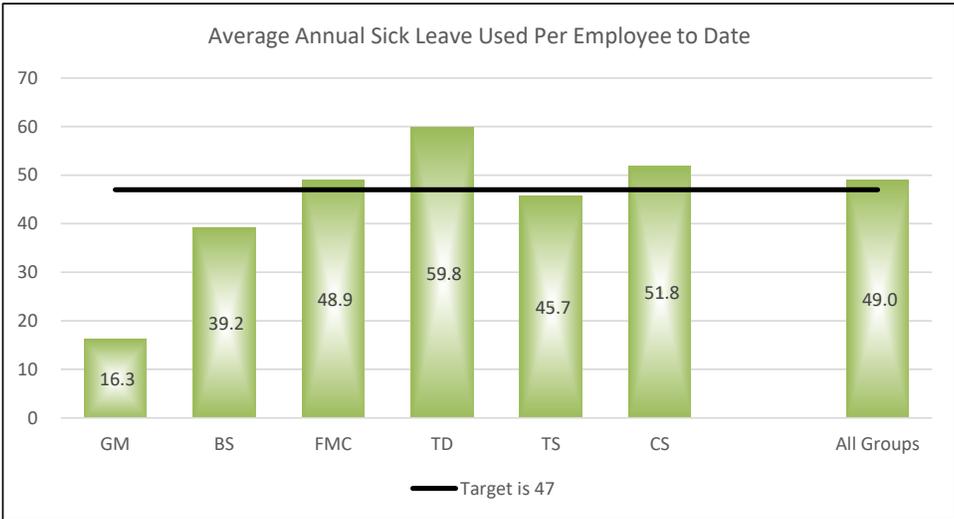
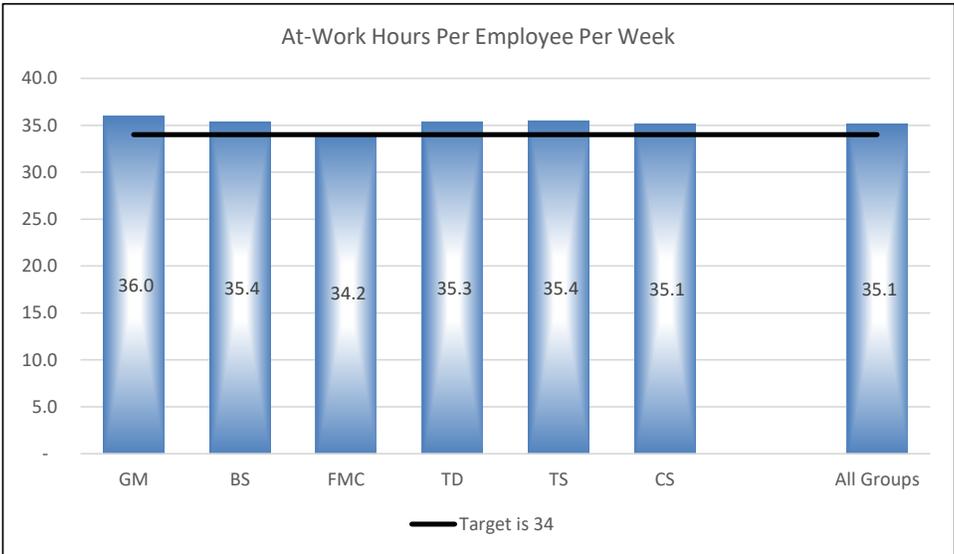
**Location of Odor Reports
June 2017 to May 2018**



HOURS WORKED AND LEAVE TIME BY WORK GROUP

June 29, 2017 through May 30, 2018

Weeks to Date: 48 out of 52 (92.31%)



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 May 30, 2018

Weeks to Date: 48 out of 52 (92.31%)

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	3,383.50	58.50	36.0	424.00	-	-	32.50	16.3	2	35.7	34.6
BS	20	33,742.00	129.81	35.4	4,375.93	-	-	784.00	39.2	21	34.2	33.5
FMC	23	36,900.00	779.92	34.2	4,632.58	251.53	605.00	1,125.47	48.9	23	34.2	48.4
TD	26	42,692.91	1,239.02	35.3	5,398.07	909.20	12.00	1,553.82	59.8	27	34.7	39.1
TS	31	52,302.16	260.33	35.4	6,316.45	168.25	-	1,415.42	45.7	32	34.9	47.3
CS	31	49,342.83	2,756.99	35.1	7,262.81	307.16	19.50	1,605.18	51.8	31		77.6
All Groups	133	218,363.40	5,224.57	35.1	28,409.84	1,636.14	636.50	6,516.39	49.0	136	35.1	44.5

SICK LEAVE INCENTIVE PROGRAM TARGETS

≥34

≤47

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

NOTES

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

(2) Overtime hours includes call outs.

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

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

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

BUDGET AND FINANCE REPORT

FY 2018

Year-to-date as of 5/31/18

92% of year elapsed

Revenues

	Budget	Actual	% of Budget Rec'd	Audited Last Year Actuals 6/30/17
Capacity Fees	\$7,910,000	\$21,748,228	275%	\$12,595,637
Sewer Service Charges	54,913,920	51,604,208	94%	52,384,710
Operating (Work Groups)	1,300,000	1,254,363	96%	
Interest	625,000	1,505,890	241%	482,342
Misc. (LAVWMA pymnt, solar, Cogen rebates)	242,000	108,048	45%	561,734
Subtotal Revenues	\$64,990,920	\$76,220,737	117%	\$67,599,903
SRF Loan Proceeds (Thickener Proj.)	0	\$455,642		3,433,448
Total Revenues + SRF Proceeds	\$64,990,920	\$76,676,379	118%	\$71,033,351

Expenses

	Budget	Actual	% of Budget Used	Last Year Actuals
Capital Improvement Program:				
Capacity Proj.	\$3,420,000	\$2,164,088	63%	\$3,608,815
Renewal & Repl. Proj.	6,660,000	4,368,246	66%	10,185,023
Operating	36,816,878	31,031,661	84%	33,866,972
Special Projects	1,873,523	729,819	39%	945,496
Retiree Medical (ARC)	602,009	451,507	75%	585,832
Vehicle & Equipment	1,139,555	552,020	48%	116,986
Information Systems	600,100	289,303	48%	492,639
Plant & Pump Stat. R&R	250,000	219,622	88%	247,329
Emerg. Fund	0		0%	286
Pretreatment Fund	5,000	2,076	42%	11,611
Cty Fee for SSC Admin.	107,000	107,581	101%	106,643
Debt Servicing:				
SRF Loans	3,880,441	4,254,481	110%	3,127,110
Total Expenses	\$55,354,506	\$44,170,405	80%	\$53,294,740
Total Revenue & Proceeds less Expenses	\$9,636,414	\$32,505,974		\$17,738,611

Operating (Work Group) Expenses

	Budget	Actual	% of Budget Used	Last Year Actuals
Board of Directors	\$176,093	\$117,067	66%	\$139,285
General Manager/Admin.	1,082,884	651,058	60%	786,134
Business Services	5,023,943	3,974,629	79%	5,091,870
Collection Services	6,551,768	5,745,360	88%	6,290,826
Technical Services	5,995,655	5,178,984	86%	5,840,942
Treatment & Disposal Services	11,122,285	9,581,444	86%	9,888,969
Fabrication, Maint. & Construction	6,277,170	5,342,752	85%	5,828,946
Non-Departmental	587,080	440,367	75%	
Total	\$36,816,878	\$31,031,661	84%	\$33,866,972

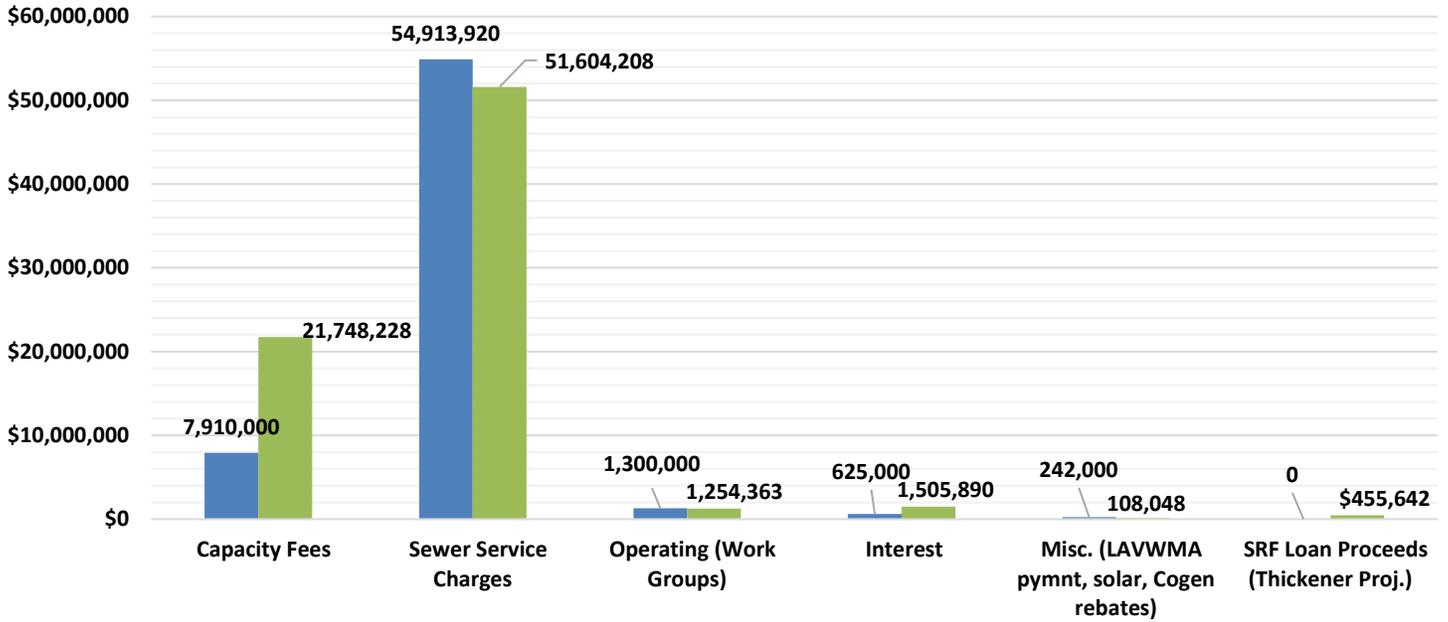
Operating (Work Group) Expenses by Type

	Budget	Actual	% of Budget Used	Last Year Actuals
Personnel (incl D&E)	\$25,359,529	\$21,696,353	86%	\$24,278,885
Repairs & Maintenance	2,147,050	1,800,201	84%	1,998,086
Supplies & Matls (chemicals, small tools)	2,622,250	2,101,848	80%	2,093,989
Outside Services (utilities, biosolids, legal)	6,353,189	5,276,719	83%	5,417,173
Fixed Assets	334,860	156,540	47%	78,839
Total	\$36,816,878	\$31,031,661	84%	\$33,866,972

REVENUES AND EXPENSES REPORT
as of 5/31/18

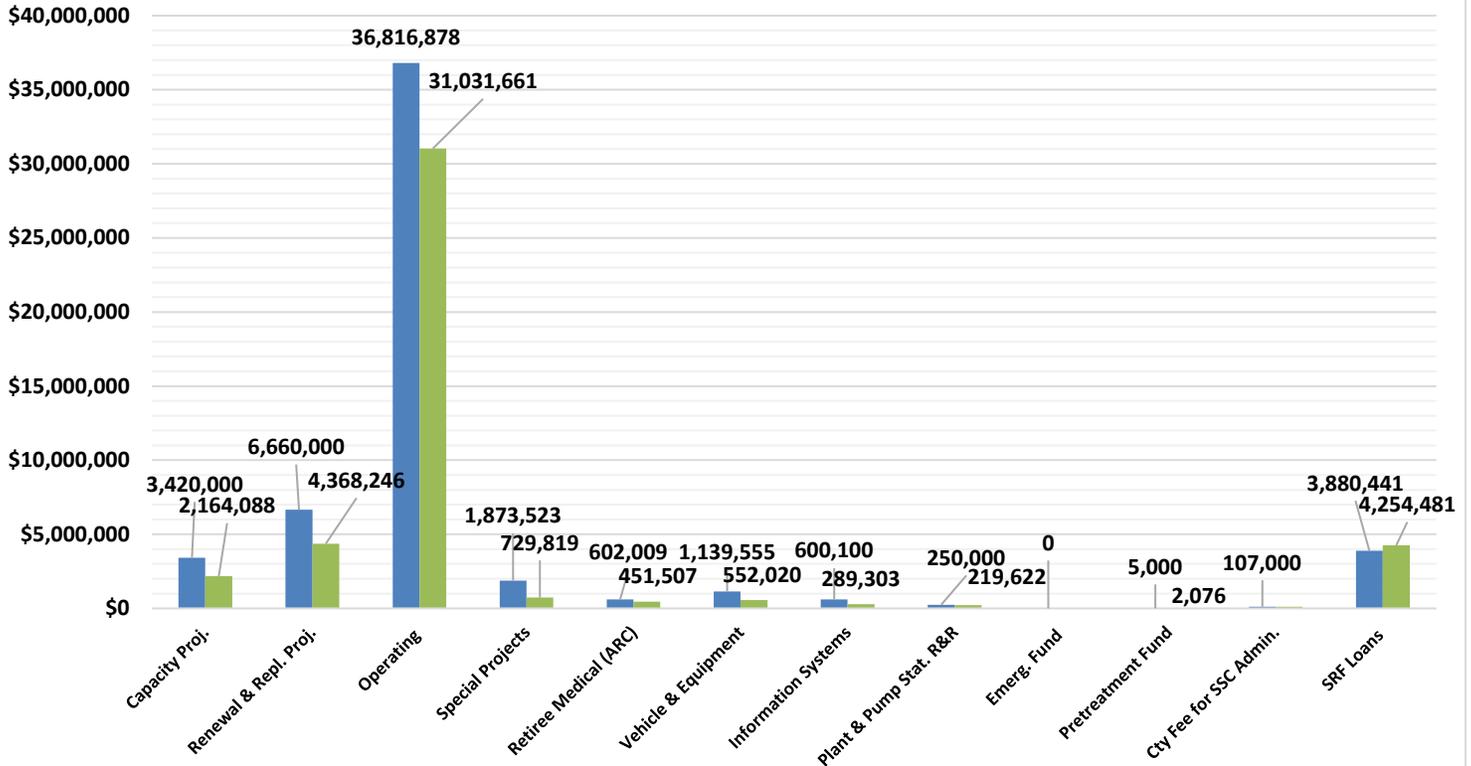
Total Revenues

■ Budget ■ Actual



Total Expenses

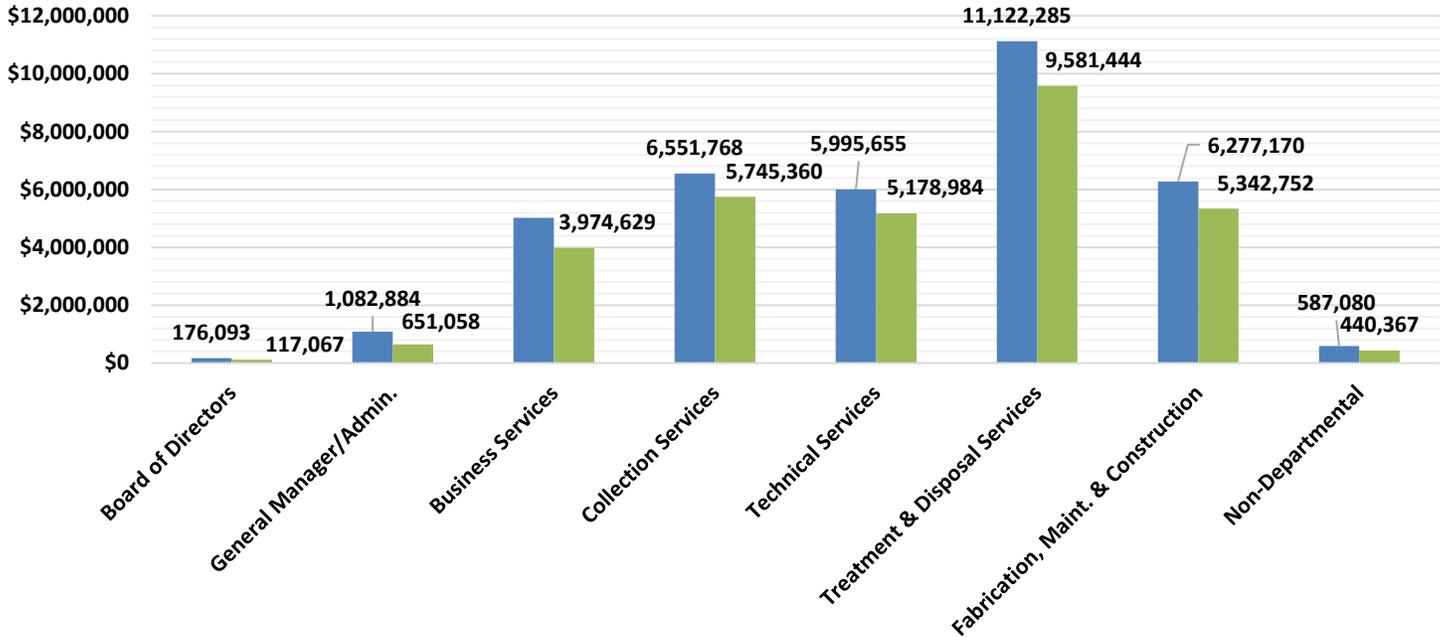
■ Budget ■ Actual



REVENUES AND EXPENSES REPORT
as of 5/31/18

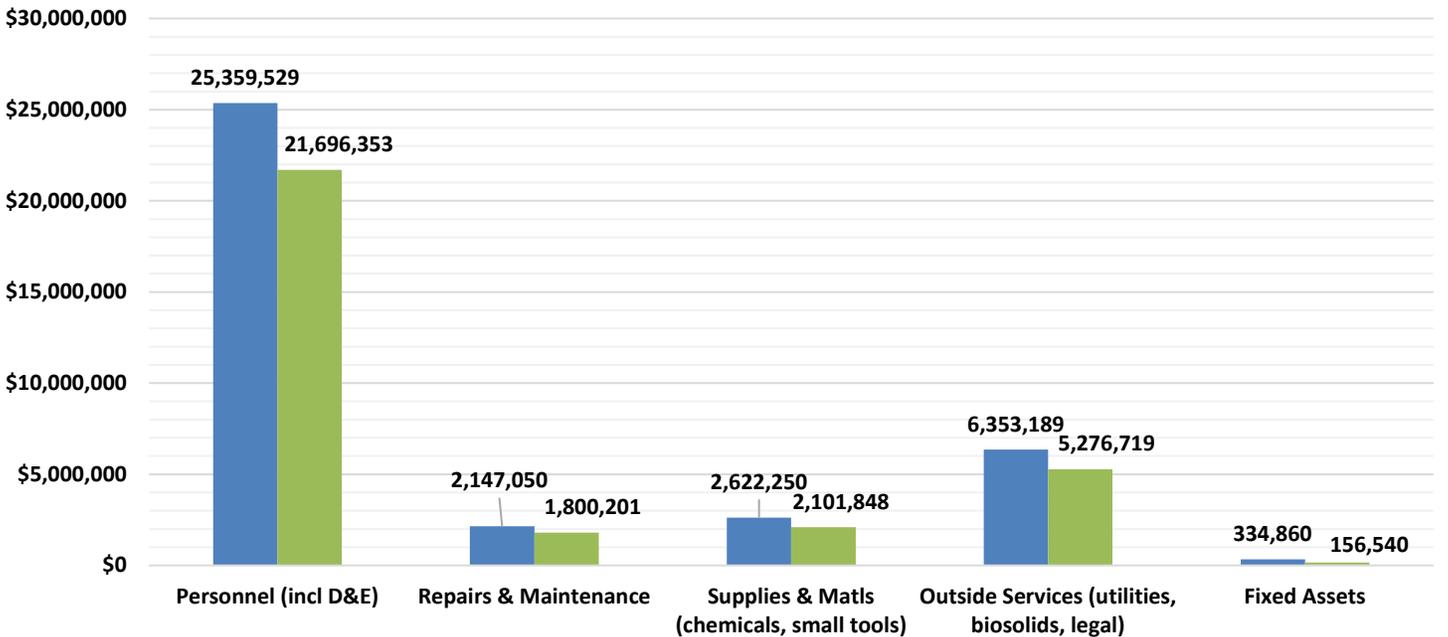
Operating Expenses by Work Group

■ Budget ■ Actual



Operating Expenses by Type

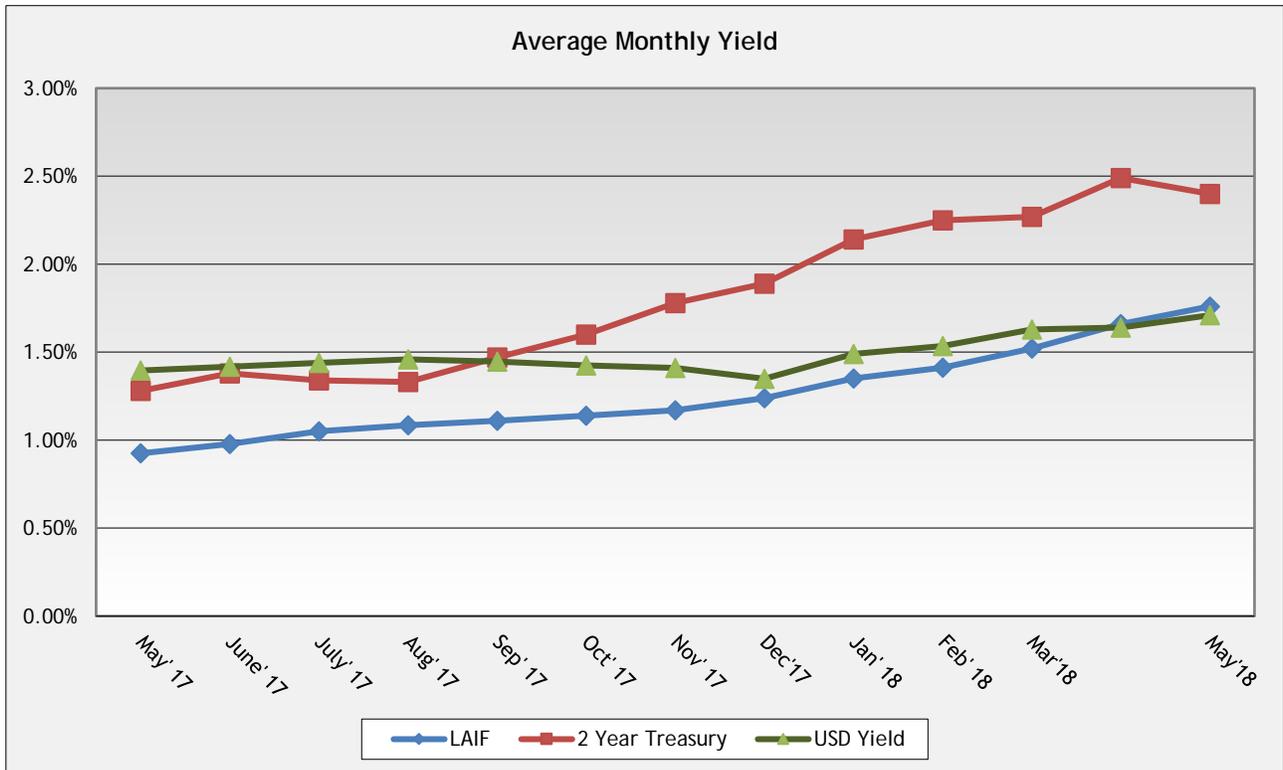
■ Budget ■ Actual



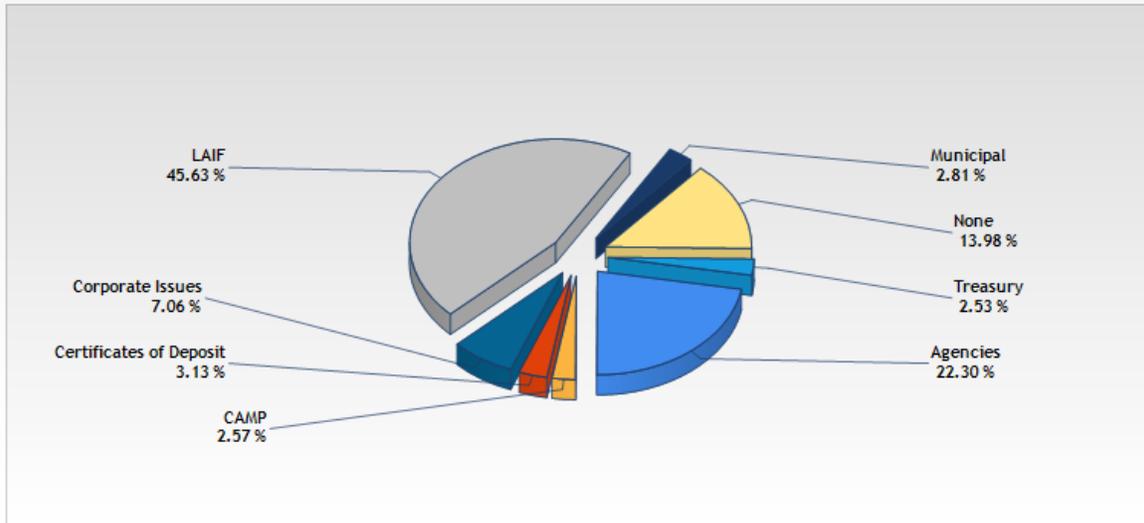
**Business Services Group
May 2018**

- FY 2019 budget preparation
- Board Budget Workshop participation
- Sewer debris hauling contract processed and awarded
- CERBT handling webinar attended
- Coach attended Tactical Communications training
- Mandatory Harassment and Bullying training
- Plant Network Master Plan RFP
- Staff attended American Payroll Association (APA) Congress intensive training

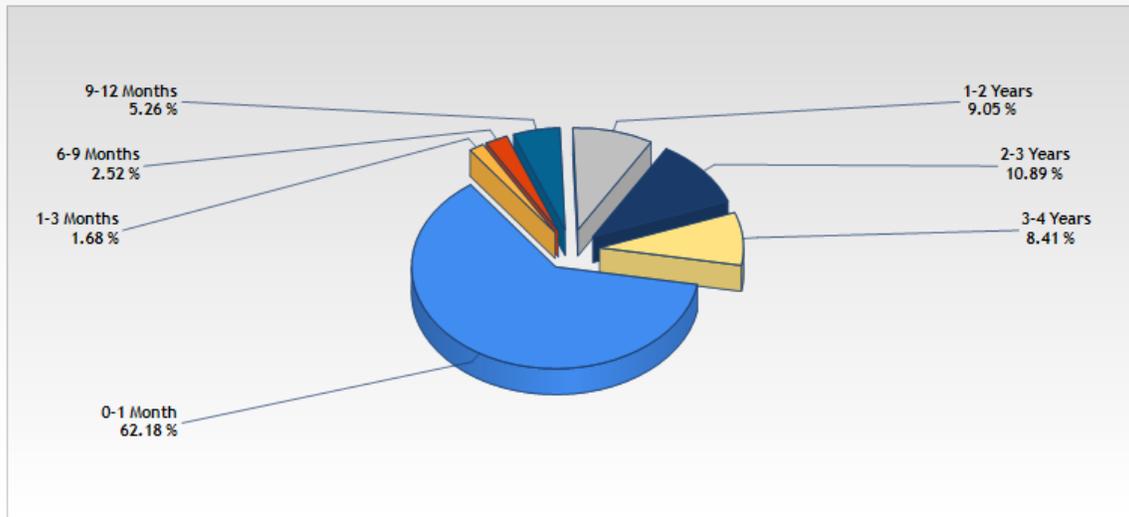
Performance Measures for the USD Investment Portfolio



Portfolio Holdings Distribution by Asset Class



Portfolio Holdings Distribution by Maturity Range



Maturity Range	Face Amount/Shares	YTM @ Cost	Cost Value	Days To Maturity	% of Portfolio	Market Value	Book Value	Duration To Maturity
0-1 Month	73,885,230.12	1.677	73,885,230.12	1	62.18	73,885,230.12	73,885,230.12	0.00
1-3 Months	2,000,000.00	1.264	2,001,190.00	59	1.68	1,997,080.00	1,999,950.00	0.16
6-9 Months	3,000,000.00	1.285	2,999,100.00	215	2.52	2,983,320.00	2,999,703.75	0.58
9-12 Months	6,248,000.00	1.247	6,251,000.00	313	5.26	6,193,854.80	6,248,455.24	0.85
1-2 Years	10,734,000.00	1.519	10,749,886.57	508	9.05	10,604,647.72	10,741,070.90	1.38
2-3 Years	12,745,000.00	2.075	12,945,787.56	998	10.89	12,586,976.66	12,854,964.52	2.66
3-4 Years	9,983,000.00	2.228	9,991,429.67	1,310	8.41	9,743,737.93	9,991,330.25	3.44
TOTAL / AVERAGE	118,595,230.12	1.713	118,823,623.92	288	100	117,994,847.23	118,720,704.78	0.77

Union Sanitary District
 Transactions Summary
 Board Report - Activity
 Group By: Action
 Portfolio / Report Group: All Portfolios
 Begin Date: 04/30/2018, End Date: 05/31/2018

Description	CUSIP/Ticker	Face Amount/Shares	Principal	Interest/Dividends	Coupon Rate	YTM @ Cost	Settlement Date	Total
Deposit								
CAMP LGIP	LGIP4000	5,062.54	5,062.54	0.00	N/A	0.000	5/31/2018	5,062.54
LAIF LGIP	LGIP1002	12,000,000.00	12,000,000.00	0.00	N/A	0.000	5/9/2018	12,000,000.00
Union Bank Cash	LGIPUNIONBANK	16,606,260.09	16,606,260.09	0.00	N/A	0.000	5/31/2018	16,606,260.09
Sub Total / Average		28,611,322.63	28,611,322.63	0.00				28,611,322.63
Interest								
CAMP LGIP	LGIP4000	0.00	0.00	5,062.54	N/A	0.000	5/31/2018	5,062.54
Chevron Corp 2.1 5/16/2021	166764BG4	0.00	0.00	10,500.00	2.100	0.000	5/16/2018	10,500.00
Chevron Corp 2.193 11/15/2019	166764AN0	0.00	0.00	12,719.40	2.193	0.000	5/15/2018	12,719.40
Comenity Capital 1.25 4/11/2019	20033ASR8	0.00	0.00	254.79	1.250	0.000	5/11/2018	254.79
FFCB 1.17 5/16/2019-17	3133EF7L5	0.00	0.00	5,850.00	1.170	0.000	5/16/2018	5,850.00
FFCB 1.3 11/25/2019-16	3133EGBK0	0.00	0.00	6,500.00	1.300	0.000	5/25/2018	6,500.00
FFCB 1.7 5/3/2021-17	3133EF5T0	0.00	0.00	8,500.00	1.700	0.000	5/3/2018	8,500.00
FHLB 1.375 2/28/2019-17	3130ABEH5	0.00	0.00	6,875.00	1.375	0.000	5/29/2018	6,875.00
GE Capital International 2.04 11/15/2020	36164QMS4	0.00	0.00	11,710.00	2.040	0.000	5/15/2018	11,710.00
Lakeside Bank 1.75 5/29/2020	51210SMU8	0.00	0.00	358.15	1.750	0.000	5/30/2018	358.15
Ponce De Leon Federal Bank 1.85 5/28/2021	732333AJ8	0.00	0.00	391.24	1.850	0.000	5/31/2018	391.24
Summit Community Bank 1.65 5/29/2020	86604XLT1	0.00	0.00	348.94	1.650	0.000	5/31/2018	348.94
T-Note 0.875 5/15/2019	912828R44	0.00	0.00	4,375.00	0.875	0.000	5/15/2018	4,375.00
Wells Fargo Bank 1.15 7/22/2019	9497486R3	0.00	0.00	235.36	1.150	0.000	5/21/2018	235.36
Sub Total / Average		0.00	0.00	73,680.42				73,680.42
Withdraw								
Union Bank Cash	LGIPUNIONBANK	22,122,122.13	22,122,122.13	0.00	N/A	0.000	5/30/2018	22,122,122.13
Sub Total / Average		22,122,122.13	22,122,122.13	0.00				22,122,122.13

Union Sanitary District
 Portfolio Holdings
 Board Report - Holdings
 Report Format: By Transaction
 Group By: Asset Class
 Average By: Cost Value
 Portfolio / Report Group: All Portfolios
 As of 5/31/2018

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
Agencies											
FFCB 1.17 5/16/2019-17	3133EF7L5	Moody-Aaa	5/16/2016	1,000,000.00	1,000,000.00	1.170	988,890.00	1.170		5/16/2019	0.84
FFCB 1.3 11/25/2019-16	3133EGBK0	Moody-Aaa	5/25/2016	1,000,000.00	997,950.00	1.300	983,850.00	1.360		11/25/2019	0.84
FFCB 1.35 6/24/2019	3133EEZ60	Moody-Aaa	5/24/2017	1,000,000.00	1,003,480.00	1.350	992,150.00	1.180		6/24/2019	0.84
FFCB 1.37 12/27/2018-17	3133EGZ24	None	12/27/2016	1,000,000.00	1,000,000.00	1.370	995,020.00	1.370		12/27/2018	0.84
FFCB 1.59 3/23/2020-17	3133EFR25	Moody-Aaa	3/23/2016	1,000,000.00	1,000,000.00	1.590	984,590.00	1.590		3/23/2020	0.84
FFCB 1.7 5/3/2021-17	3133EF5T0	Moody-Aaa	5/3/2016	1,000,000.00	1,000,000.00	1.700	971,370.00	1.700		5/3/2021	0.84
FHLB 1.24 1/23/2019-18	3130AAN20	Moody-Aaa	2/2/2017	1,000,000.00	999,100.00	1.240	993,890.00	1.286		1/23/2019	0.84
FHLB 1.375 2/28/2019-17	3130ABEH5	Moody-Aaa	5/30/2017	1,000,000.00	1,000,000.00	1.375	993,740.00	1.375		2/28/2019	0.84
FHLB 1.93 12/21/2020-17	3130AADQ8	None	12/21/2016	1,000,000.00	1,000,000.00	1.930	980,530.00	1.930		12/21/2020	0.84
FHLB 2 10/26/2021-19	3130AB3D6	None	4/26/2017	1,000,000.00	1,000,000.00	2.000	975,100.00	2.000	4/26/2019	10/26/2021	0.84
FHLB 2.05 12/29/2021-17	3130AAET1	Moody-Aaa	12/29/2016	1,000,000.00	1,000,000.00	2.050	976,460.00	2.050	6/29/2018	12/29/2021	0.84
FHLB 2.4 12/22/2021-17	3130AAHC5	None	12/22/2016	1,000,000.00	1,000,000.00	2.400	984,250.00	2.400		12/22/2021	0.84
FHLB Step 4/28/2021-16	3130A7PR0	Moody-Aaa	4/28/2016	1,000,000.00	1,000,000.00	1.500	988,240.00	2.114	7/28/2018	4/28/2021	0.84
FHLB Step 4/28/2021-16	3130A7QX6	Moody-Aaa	4/28/2016	1,000,000.00	1,000,000.00	1.500	982,760.00	2.021		4/28/2021	0.84
FHLMC 1 8/15/2018-17	3134GABQ6	Moody-Aaa	1/31/2017	1,000,000.00	998,700.00	1.000	997,950.00	1.087		8/15/2018	0.84
	3134GAZU1	None	12/14/2016	1,000,000.00	1,000,000.00	1.200	994,410.00	1.200	6/14/2018	12/14/2018	0.84

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
FHLMC 1.2 12/14/2018-17											
FHLMC 1.25 10/28/2019-17	3134G8XQ7	Moody's-Aaa	4/28/2016	1,000,000.00	1,000,000.00	1.250	984,590.00	1.250		10/28/2019	0.84
FHLMC 1.4 6/14/2019-17	3134GBRH7	Moody's-Aaa	6/14/2017	1,000,000.00	1,000,000.00	1.400	991,040.00	1.400		6/14/2019	0.84
FHLMC 1.41 4/26/2019-18	3134GBEG3	None	4/26/2017	1,000,000.00	1,000,000.00	1.410	989,940.00	1.410		4/26/2019	0.84
FHLMC 1.5 12/30/2019-17	3134GAYY4	S&P-AA+	12/30/2016	1,000,000.00	1,000,000.00	1.500	981,970.00	1.500	6/30/2018	12/30/2019	0.84
FHLMC 1.5 9/9/2019-18	3134GA7A6	Moody's-Aaa	5/10/2017	1,000,000.00	1,000,000.00	1.500	988,750.00	1.500		9/9/2019	0.84
FHLMC 2 12/30/2021-17	3134GAYV0	None	12/30/2016	1,000,000.00	1,000,000.00	2.000	973,360.00	2.000	6/30/2018	12/30/2021	0.84
FHLMC Step 4/28/2021-16	3134G8VZ9	Moody's-Aaa	4/28/2016	2,500,000.00	2,500,000.00	1.375	2,444,475.00	2.116		4/28/2021	2.10
FHLMC Step 4/28/2021-16	3134G8Z28	Moody's-Aaa	5/10/2016	1,000,000.00	999,500.00	1.125	981,350.00	2.044	7/28/2018	4/28/2021	0.84
FNMA 1.5 6/16/2021-16	3136G3QX6	Moody's-Aaa	6/16/2016	1,000,000.00	995,000.00	1.500	963,090.00	1.604	6/16/2018	6/16/2021	0.84
Sub Total / Average				26,500,000.00	26,493,730.00	1.502	26,081,765.00	1.654			22.30
CAMP											
CAMP LGIP	LGIP4000	None	5/31/2011	3,054,816.47	3,054,816.47	1.950	3,054,816.47	1.950	N/A	N/A	2.57
Sub Total / Average				3,054,816.47	3,054,816.47	1.950	3,054,816.47	1.950			2.57
Certificates of Deposit											
Ally Bank 1.35 10/28/2019	02006LQ48	None	10/27/2016	248,000.00	248,000.00	1.350	243,198.97	1.350		10/28/2019	0.21
American Expr Centurion 2.45 4/5/2022	02587DN38	None	4/5/2017	247,000.00	247,000.00	2.450	239,959.76	2.450		4/5/2022	0.21
Belmont Savings Bank 2.15 3/22/2022	080515BV0	None	3/20/2017	248,000.00	248,000.00	2.150	240,432.28	2.150		3/22/2022	0.21
BMW Bank 2.15 3/10/2022	05580AGR9	None	3/10/2017	247,000.00	247,000.00	2.150	239,542.58	2.150		3/10/2022	0.21
Capital One Bank 1.5 10/26/2020	140420L99	None	10/26/2016	248,000.00	248,000.00	1.500	238,928.90	1.500		10/26/2020	0.21
Comenity Capital 1.25 4/11/2019	20033ASR8	None	10/25/2016	248,000.00	248,000.00	1.250	245,544.80	1.250		4/11/2019	0.21
Discover Bank 2.25 12/29/2021	254672Y36	None	12/29/2016	247,000.00	247,000.00	2.250	240,902.80	2.250		12/29/2021	0.21

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
JP Morgan Chase Bank 1.1 7/15/2019	48125Y5L4	None	7/15/2016	249,000.00	249,000.00	1.100	245,717.43	1.100		7/15/2019	0.21
Lakeside Bank 1.75 5/29/2020	51210SMU8	None	5/30/2017	249,000.00	249,000.00	1.750	244,038.43	1.750		5/29/2020	0.21
Landmark Bank 2.1 3/29/2021-17	51506VCA9	None	3/29/2017	248,000.00	248,000.00	2.100	242,602.28	2.100	6/27/2018	3/29/2021	0.21
Ponce De Leon Federal Bank 1.85 5/28/2021	732333AJ8	None	5/31/2017	249,000.00	249,000.00	1.850	241,285.48	1.850		5/28/2021	0.21
State Bank of India 2.25 1/26/2022	8562846A7	None	1/26/2017	247,000.00	247,000.00	2.250	240,723.24	2.250		1/26/2022	0.21
Summit Community Bank 1.65 5/29/2020	86604XLT1	None	5/31/2017	249,000.00	249,000.00	1.650	243,549.89	1.650		5/29/2020	0.21
Synchrony Bank 2.3 2/24/2022	87165ELT2	None	2/28/2017	247,000.00	247,000.00	2.300	240,967.27	2.300		2/24/2022	0.21
Wells Fargo Bank 1.15 7/22/2019	9497486R3	None	7/20/2016	249,000.00	249,000.00	1.150	245,599.90	1.150		7/22/2019	0.21
Sub Total / Average				3,720,000.00	3,720,000.00	1.816	3,632,994.01	1.816			3.13

Corporate Issues

American Express Credit 2.7 3/3/2022	0258M0EG0	Moody's-A2	5/15/2017	1,000,000.00	1,013,279.67	2.700	981,040.00	2.406		3/3/2022	0.85
Barclays Bank PLC Step 4/26/2022-17	06741VR95	Moody's-A1	4/26/2017	1,000,000.00	1,000,000.00	2.500	987,790.00	3.093	10/26/2018	4/26/2022	0.84
Chevron Corp 2.1 5/16/2021	166764BG4	Moody's-Aa2	5/10/2017	1,000,000.00	999,500.00	2.100	978,150.00	2.113		5/16/2021	0.84
Chevron Corp 2.193 11/15/2019	166764AN0	Moody's-Aa2	2/26/2016	1,160,000.00	1,167,806.57	2.193	1,152,692.00	2.004		11/15/2019	0.98
GE Capital International 2.04 11/15/2020	36164QMS4	S&P-AA	3/10/2017	1,000,000.00	1,010,642.28	2.040	979,300.00	1.738		11/15/2020	0.85
HSBC 4.875 8/24/2020	4042Q1AE7	Moody's-A1	5/17/2016	2,000,000.00	2,191,145.28	4.875	2,074,060.00	2.500		8/24/2020	1.84
Toyota Motor Credit 1.55 7/13/2018	89236TCP8	Moody's-Aa3	3/16/2016	1,000,000.00	1,002,490.00	1.550	999,130.00	1.440		7/13/2018	0.84
Sub Total / Average				8,160,000.00	8,384,863.80	2.885	8,152,162.00	2.226			7.06

LAIF

LAIF LGIP	LGIP1002	None	4/30/2011	54,224,153.56	54,224,153.56	1.755	54,224,153.56	1.755	N/A	N/A	45.63
Sub Total / Average				54,224,153.56	54,224,153.56	1.755	54,224,153.56	1.755			45.63

Municipal

City of Riverside CA 2.125 6/1/2021	769036BA1	S&P-AA-	6/1/2017	500,000.00	500,000.00	2.125	483,925.00	2.125		6/1/2021	0.42
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Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
La Qunita Redev Agency 2.034 9/1/2019	50420BCH3	S&P-AA-	12/22/2016	1,330,000.00	1,336,650.00	2.034	1,322,911.10	1.843		9/1/2019	1.12
State of California 2.152 4/1/2022	13063DAD0	Moody's-Aa3	4/27/2017	1,000,000.00	1,010,000.00	2.152	975,270.00	1.938		4/1/2022	0.85
Victor Valley College General Obligation Bond 2.35	92603PER9	Moody's-Aa2	12/28/2016	500,000.00	490,150.00	2.350	484,850.00	2.811		8/1/2021	0.41
Sub Total / Average				3,330,000.00	3,336,800.00	2.130	3,266,956.10	2.056			2.81
None											
Union Bank Cash	LGIPUNIONBANK	None	12/31/2016	16,606,260.09	16,606,260.09	1.370	16,606,260.09	1.370	N/A	N/A	13.98
Sub Total / Average				16,606,260.09	16,606,260.09	1.370	16,606,260.09	1.370			13.98
Treasury											
T-Note 0.875 5/15/2019	912828R44	None	4/26/2017	1,000,000.00	993,080.00	0.875	986,910.00	1.217		5/15/2019	0.84
T-Note 1.283 3/31/2019	912828SN1	None	2/22/2017	1,000,000.00	1,004,480.00	1.283	994,100.00	1.067		3/31/2019	0.85
T-Note 1.5 2/28/2019	912828C24	None	1/9/2017	1,000,000.00	1,005,440.00	1.500	994,730.00	1.241		2/28/2019	0.85
Sub Total / Average				3,000,000.00	3,003,000.00	1.221	2,975,740.00	1.175			2.53
Total / Average				118,595,230.12	118,823,623.92	1.728	117,994,847.23	1.713			100

All investment actions executed since the last report have been made in full compliance with the District's Investment Policy. The District will meet its expenditure obligations for the next six months. Market value sources are the LAIF, CAMP, and BNY Mellon monthly statements. Broker/Dealers: BOSC, Inc.; Cantella & Co.; First Empire Securities; Ladenburg, Thalman & Co, Inc.; UBS Financial Services; Wells Fargo Securities.

Reviewer:

Approver:

MONTHLY OPERATIONS REPORT FOR THE MONTH OF MAY 2018
TECHNICAL SUPPORT WORK GROUP SUMMARY

Capital Improvement Program

Fremont and Paseo Padre Lift Stations Improvements Project – Project closeout and punchlist work.

Chemical Tanks and Piping Replacement Project – Corrective work and punch list work.

Sludge Degritter System Project – Completed field performance test and sampling on new degritter. Lab and test report in progress.

Newark Pump Station Wet Well Improvements – Corrective work and punch list work.

Cast Iron/Piping Lining Phase 6 – Project closed out and accepted at the May 14th Board meeting.

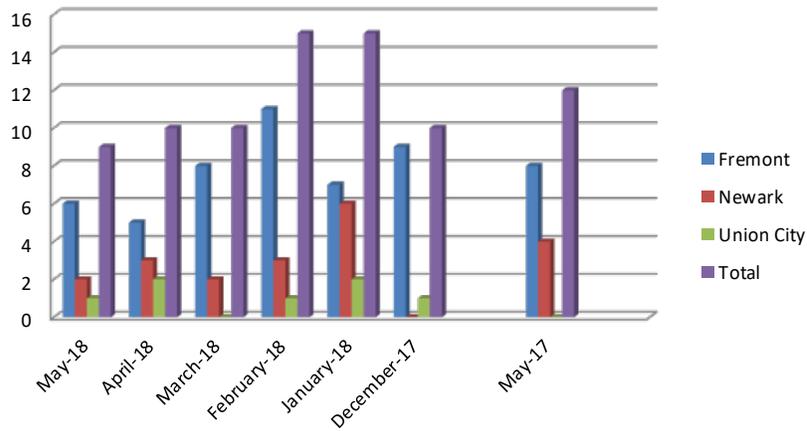
Primary Digester No. 3 Rehabilitation Project – Completed modifications for the north Thickener Scum Pit and returned it to service. South Thickener Scum Pit was taken out of service and began bypassing operations. Installation of the two new at-grade manways at Primary Digester No. 3 has begun.

Force Main Corrosion Repairs Project Phase 2 – The west force main between the Newark Pump Station and the wastewater treatment plant was removed from service and the contractor completed the force main dewatering operation. The contractor began chipping the manhole bases where the repairs will be performed.

Customer Service

Trouble Calls dispatched from the Front Desk during business hours:

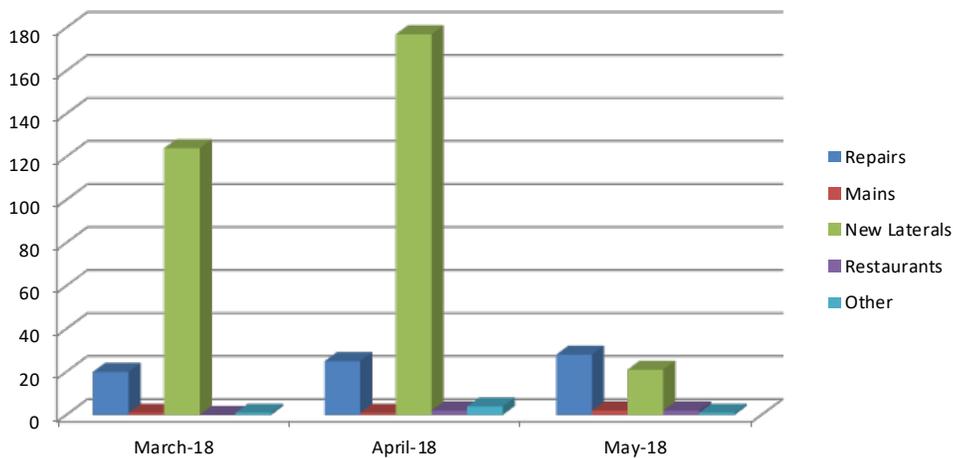
Month	Fremont	Newark	Union City	Total
May-18	6	2	1	9
April-18	5	3	2	10
March-18	8	2	0	10
February-18	11	3	1	15
January-18	7	6	2	15
December-17	9	0	1	10
May-17	8	4	0	12
6-Month Total				69



Sewer Permits Issued

Month	Repairs	Mains	New Laterals	Restaurants	Other
May-18	28	2	21	2	1
April-18	25	1	177	2	4
March-18	20	1	124	0	1

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



Communication

- Continued preparations for USD’s Centennial Open House event
- Sent Open House invitation to various industry and community groups, announcements to broadcast and print media sources, info to school districts and private schools, info to public safety officials
- Outreach to Smith Street/Alvarado/Farmers’ Market/Horner-Veazy area to alert to possible increased traffic on May 19, 2018
- Provided information and images to Tri-City Voice reporter for USD story
- Developed and submitted Open House Ads to Tri-City Voice and Argus newspapers; arranged for Open House social media and online advertising– Facebook and Patch
- Press releases sent to Tri-City Voice and Argus newspapers
- Arranged for Open House NIXLE posts/social media shares with Cities and Police Departments
- Social Media posts: Centennial Open House – 11 posts prior to event; proclamations post, recruitment, link to virtual plant tour video (14 total to Facebook and Twitter). Also posted info to NextDoor.
- Developed and submitted “USD Centennial Stories” Open House recap article and photos to Tri-City Voice for June 2018 issue
- Continued activities regarding District Branding initiative
- Participated in Chamber of Commerce Board activities as Director and Past-President
- Developed GM presentation to Realty Experts May 22, 2018
- Updated website: Top Ten industrial dischargers
- Began content development for Fall 2018 newsletter

Environmental Compliance

Pollution Prevention/Stormwater Programs

USD’s Environmental Compliance (EC) team conducts pollution prevention inspections at restaurants, car wash businesses, and other commercial facilities. EC also conducts inspections and enforcement for the City of Fremont’s Environmental Services group. 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 81 Stormwater (Urban Runoff), and 52 FOG (restaurant) inspections. During this reporting period, Inspectors identified 15 Stormwater and 21 FOG enforcement actions. Eight (8) of the Stormwater enforcements resulted in administrative fines ranging from \$100 to \$500. One of the administrative fines were for illicit discharges and seven were for repeated violations.

Urban Runoff Inspections and Enforcements

May 2018	No. of UR Inspections	VW	WL	NOV	AF	LA	Total Enforcements	No. of Illicit Discharge/s	
	82	3	0	4	8	0	15	% enforcement	1

FOG Inspections and Enforcements

May 2018	No. of FOG Inspections	VW	WL	NOV	AF	LA	Total Enforcements	% Enforcement	
	52	3	16	2	0	0	21		40.4%

Enforcements:

VW – Verbal Warning

WL – Warning Letter

NOV – Notices of Violation

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
18	10	None

Industrial Pretreatment

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

Pending Permits

New Industrial/Groundwater Permits	Groundwater/Temporary
FMC Corporation	Groundwater

Permits Issued

Company Name	Date Permit Issued
McGuire & Hester, GW-0097 (Willow and Central)	Permit Dated 4/19/2018, Issued 4/26/2018
Preston Pipelines, GW-0098	5/1/2018

Industrial Permit Closures

Company Name	Date of Closure
None	

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

Report Name	Date Report Completed and Submitted
None	

Enforcement Action

IU Name & Nature of Business	Comments	City	Parameters Violated	Discharge concentration (mg/L)	USD/Fed Limit Violated(mg/L)	Enforcement (1)
Sanmina Corporation	Failure to submit reports by the required due date	Fremont	NA	NA	NA	WL-18-004
Confluent Medical Technologies	Violation of Cyanide Metal Finishing Federal Daily Maximum Limit	Fremont	Cyanide	1.5 mg/L	Metal Finishing Federal Daily Maximum of 1.2 mg/L	NOV- N-18-006

(1) WL – Warning Letter

C&D – Cease and Desist Order

NOV – Notices of Violation

SNC – Significant Non-Compliance

AO – Administrative Order

EM – Enforcement Meeting

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

Activity	Date of Event	Attendees
Certificate of Merit Ceremony	5/3/2018	Certificate of Merit Awardees and Environmental Compliance
2018 NACWA Annual Pretreatment Conference	5/15/2018-5/18/2018	Alex Paredes
BAPPG Steering Committee teleconference	5/9/2018	Doug Dattawalker

Activity	Date of Event	Attendees
CPSC-Product Education and Advisory Committee	5/10/2018	Doug Dattawalker

Engineering/Construction

No. of projects under construction: 7

	Construction Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for May 2018 Activities
1.	Fremont and Paseo Padre LS Improvement – Derek	\$2,801	10/16	100%	100%	Project closeout and punchlist work.
2.	Chemical Tanks and Piping Replacement Project – Thomas	\$2,102	10/17	99%	100%	Corrective work and punch list item work.
3.	Sludge Degritter System Project – Kevin	\$1,436	11/17	95%	100%	Completed field performance sampling. Lab and test report in progress.
4.	Newark Pump Station Wet Well Improvements – Thomas	\$674	03/18	95%	100%	Corrective work and punch list item work.
5.	Cast Iron/Piping Lining Phase VI – Andrew	\$243	11/17	100%	100%	Project was accepted by the Board on May 14 th .
6.	Primary Digester No. 3 Rehabilitation – Derek	\$1,956	08/18	31%	75%	Continued thickener scum pit modifications. Began installation of manways at Primary Digester No. 3.
7.	Force Main Corrosion Repairs Phase 2 – Andrew	\$932	09/18	14%	30%	NTP issued on April 20 th . Completed force main dewatering and began chipping of concrete manhole bases.

Design/Study

No. of projects in design/study phase: **15**

	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for May 2018 Activities
1.	Plant Solids System / Capacity Assessment Phase 2 – Curtis	\$329	02/18	98%	100%	Draft final report is under review.
2.	Local Limits Study – Raymond	\$77	09/18	75%	25%	Assist with industrial discharge permits.
3.	Cathodic Protection System Project – Thomas	\$79	08/18	50%	70%	The draft 10-year cathodic protection Capital Improvement Plan was submitted on May 11 th and the draft cathodic protection system as-built plans were submitted on May 29 th for review.
4.	Newark Basin Masterplan – Andrew	\$70	08/18	15%	50%	Staff reviewed condition criteria and provided feedback to consultant.
5.	Standby Power Generation System Upgrade Project (Predesign) – Raymond/Kevin	\$1,976	12/18	15%	15%	Consultant will evaluate power demand of future plant upgrades.
6.	Force Main Condition Assessment – Andrew	\$121	10/20	28%	39%	Condition assessment of west force main north of Newark PS is scheduled for June 12 th & 14 th .
7.	Emergency Outfall Improvements Project – Andrew	\$317	10/18	45%	60%	The initial study and mitigated negative declaration is finalized and will be advertised for public review and comment on June 8 th .
8.	Primary Digester No. 7 Project – Curtis	\$1,476	09/18	45%	58%	90% design in progress.
9.	Plant Master Plan – Raymond/Curtis	\$304	03/18	85%	100%	Riverside WWTP site visit took place on May 2 nd .
10.	Effluent Management Study – Curtis	\$155	03/18	90%	100%	Preparation of Final Report in progress.
11.	Odor Control Alternatives Study – Kevin	\$330	7/18	44%	40%	Coordination of odor control pilot technology testing in progress.
12.	Plant Condition Assessment Study – Kevin	\$118	06/18	85%	85%	Draft Study Report submitted and review in progress.
13.	Headworks Screen No. 3 Project – Thomas	\$50	01/18	100%	100%	Final pre-design report was submitted on May 29 th .

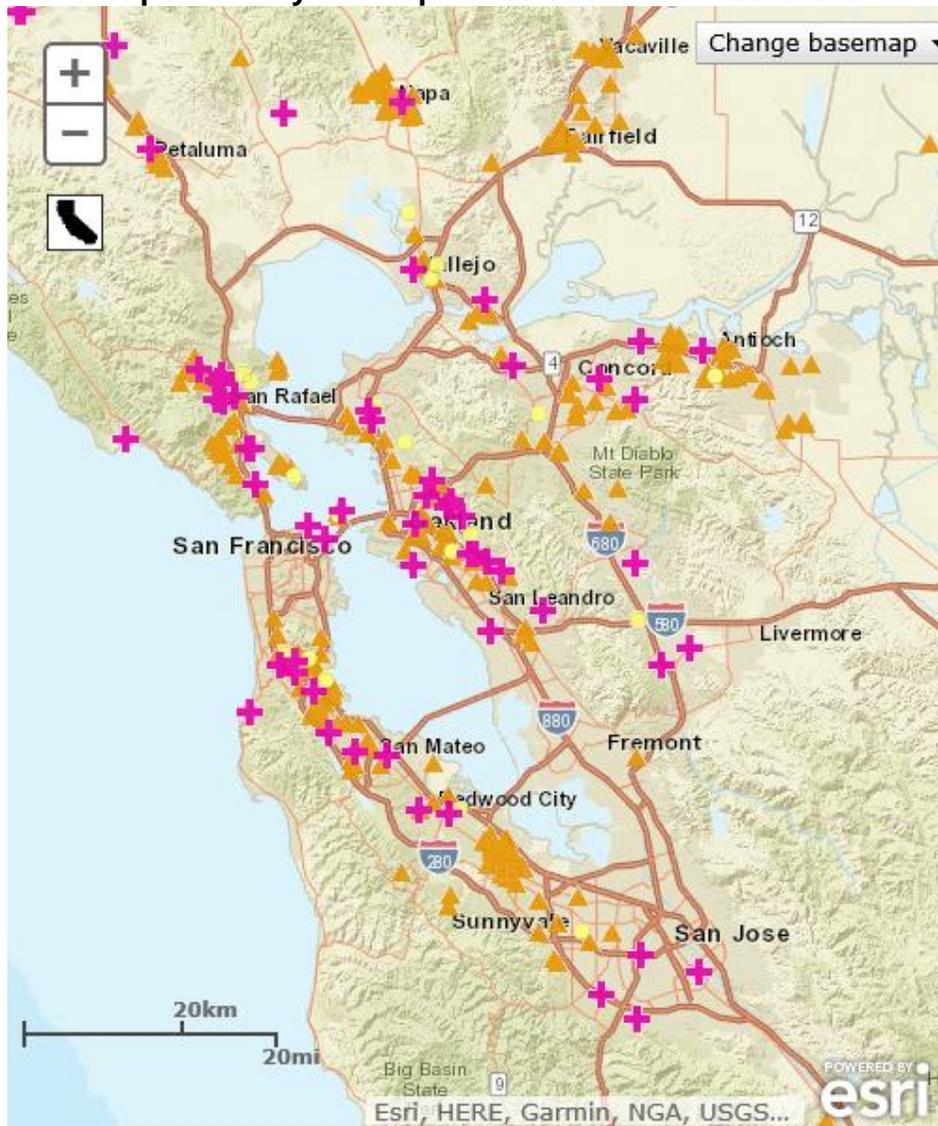
	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for
14.	Alvarado Influent Pump Station Improvements Project – Thomas	\$54	01/18	67%	100%	Evaluation of the pump type and configuration continues.
15.	Cast Iron / Piping Lining Phase VII – Andrew	\$500	05/18	100%	100%	100% design completed, will advertise the project on May 29 th .

**COLLECTION SERVICES
ACTIVITIES REPORT
May 2018**

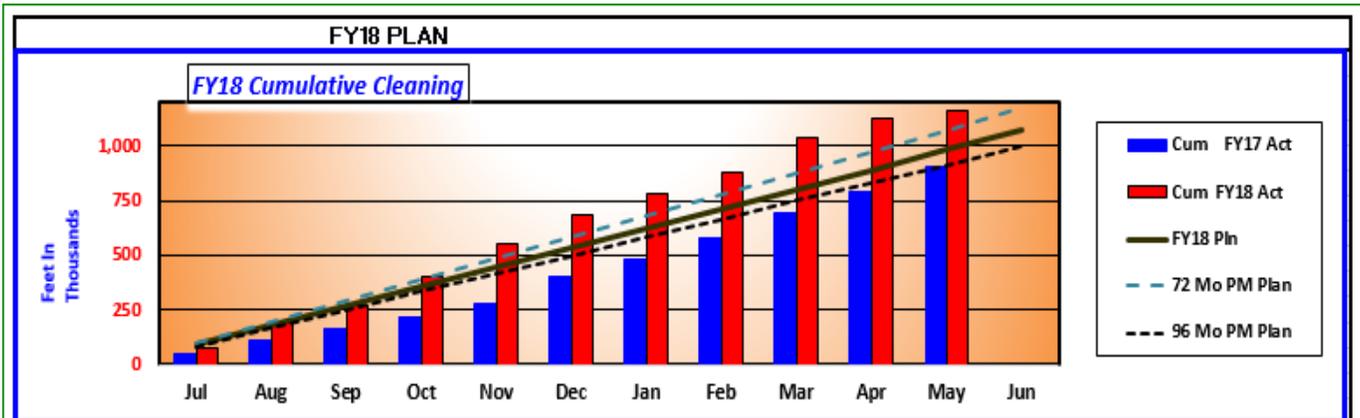
Progress/Accomplishments

- Completed 7.3 miles of sewer main cleaning in May.
- Completed 8.7 miles of sewer main inspection in May.
- Responded to 12 service request calls in May.
- Completed a total of 27 sewer main repairs in May.
- Trainings
 - Technical Certification Preparation
 - Commercial Driver Training
 - Line Locator Training
 - Verbal Judo

Reported Bay Area Spills 1/01/2018 Thru 5/31/2018

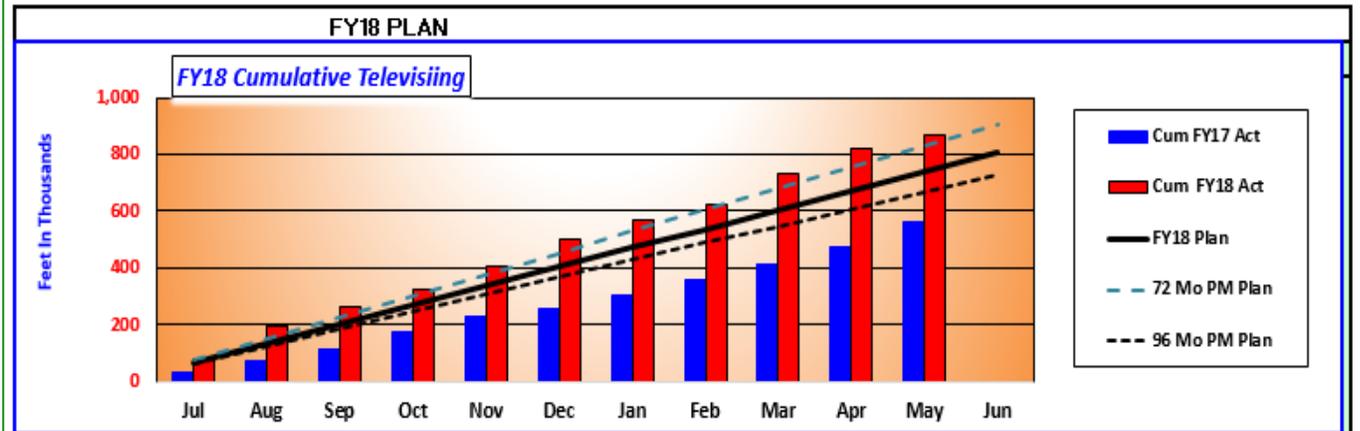


Performance Measures



Cleaning Actual Footages/Costs May-18 Clean Cost/Ft = \$1.22

Description	FY18 Q1 Footage	FY18 Q2 Footage	FY18 Q3 Footage	Apr-18 Footages	May-18 Footages	FY18 Q4 Footages	FY18 YTD Footage	FY18 YE Goal	% Cmpl to Plan	FY17 Y/E Footage
72 Month Hydro-jet Clean	229,414	220,540	216,694	66,278	28,304	94,582	761,230	731,522	104.1%	525,009
Selective Line Cleaning	28,316	64,584	32,842	886	4,792	5,678	131,420	113,365	115.9%	156,815
Special Condition Clean	410	20,992	3,239	687	1,713	2,400	27,041	18,720	144.4%	17,237
Root Control/Chemical Cln	15,865	104,560	102,753	19,400	3,488	22,888	246,066	209,078	117.7%	331,805
Cast Iron Proj/Other (not includ in Cost Per Foot)	0	0	0			0	0			1,183
Totals	274,005	410,676	355,528	87,251	38,297	125,548	1,165,757	1,072,685	108.7%	1,032,049

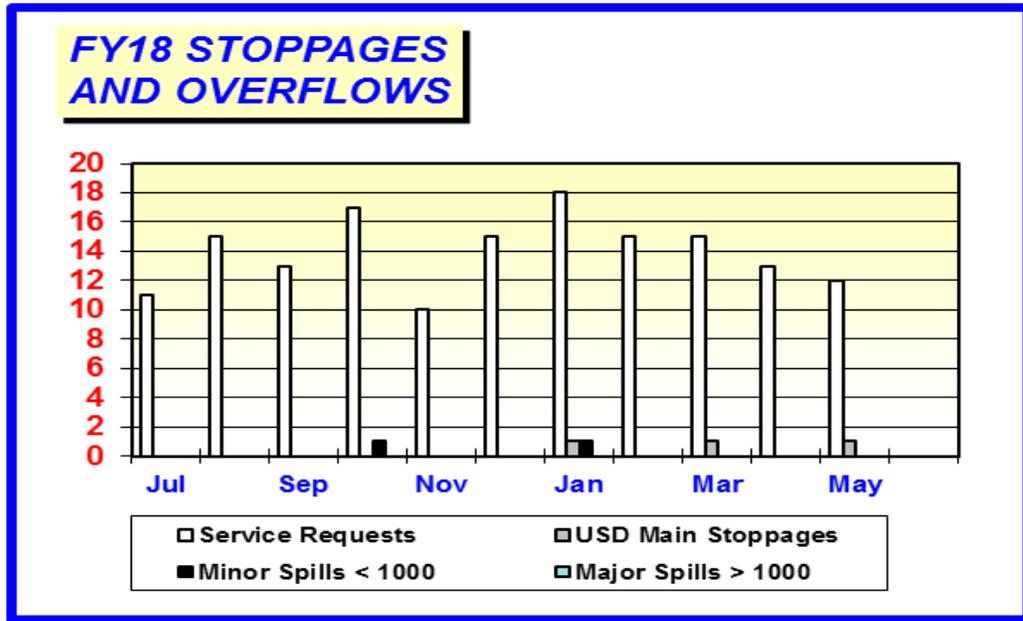


Televising Actual Footages/Costs May-18 TV Cost/Ft = \$1.44

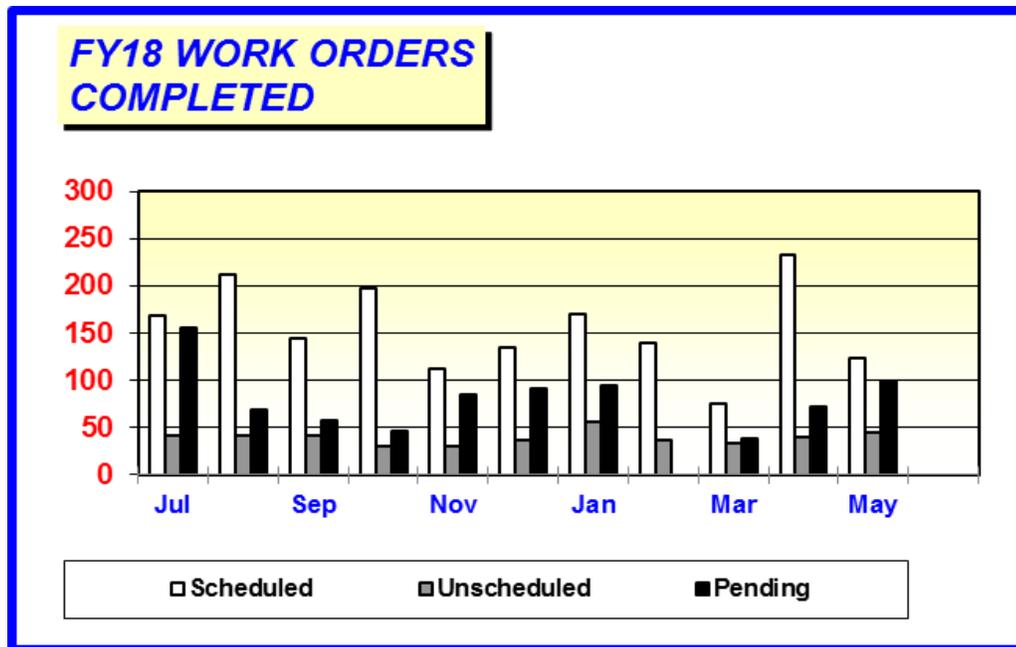
Description	FY18 Q1 Footage	FY18 Q2 Footage	FY18 Q3 Footage	Apr-18 Footages	May-18 Footages	FY18 Q4 Footages	FY18 YTD Footage	FY18 YE Goal	% Cmpl to Plan	FY17 Y/E Footage
72 Month TV Inspection	244,859	221,130	218,068	88,308	36,859	125,167	809,224	710,910	113.8%	541,780
Visual/Condition, Pre/Post Cnst	315	561	8,256	1,404	7,775	9,179	18,311	18,540	98.8%	21,742
New Development, CIP, Misc.	20,669	13,603	6,110	0	1,477	1,477	41,859	45,900	91.2%	43,099
Condition Assessments	0	0	0	0	0	0	0	32,245	0.0%	12,409
Totals	265,843	235,294	232,434	89,712	46,111	135,823	869,394	807,595	107.7%	619,030

Other Collection Services Status Data:

Support Team Work Order Status:



C/S Maintenance Status:



**Fabrication, Maintenance and Construction
Activities Report
May 2018**

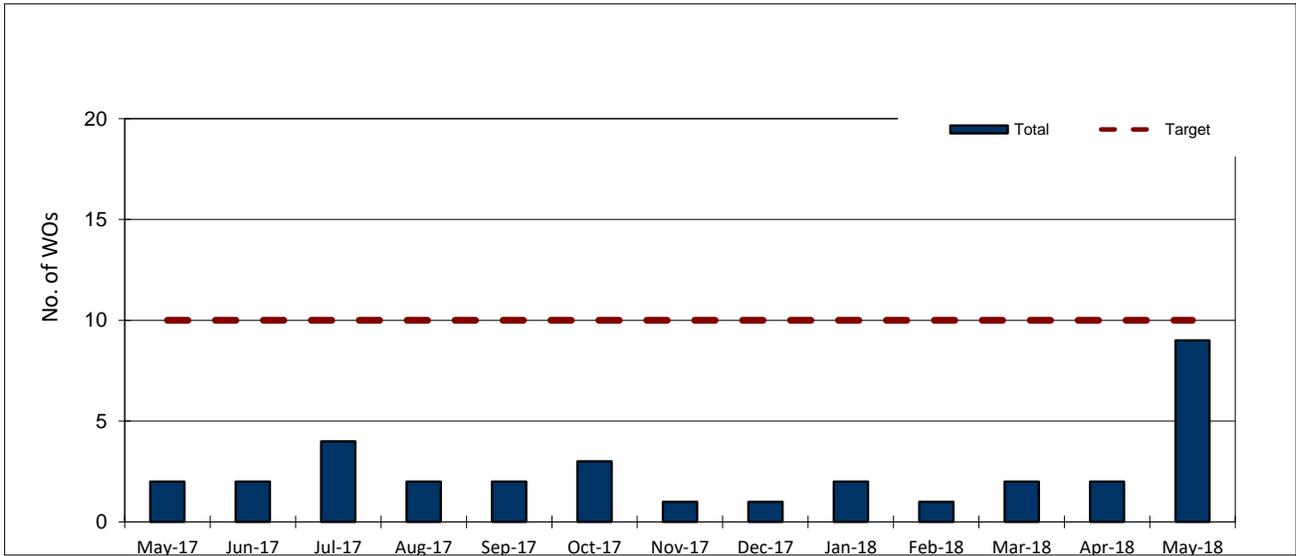
Progress/Accomplishments

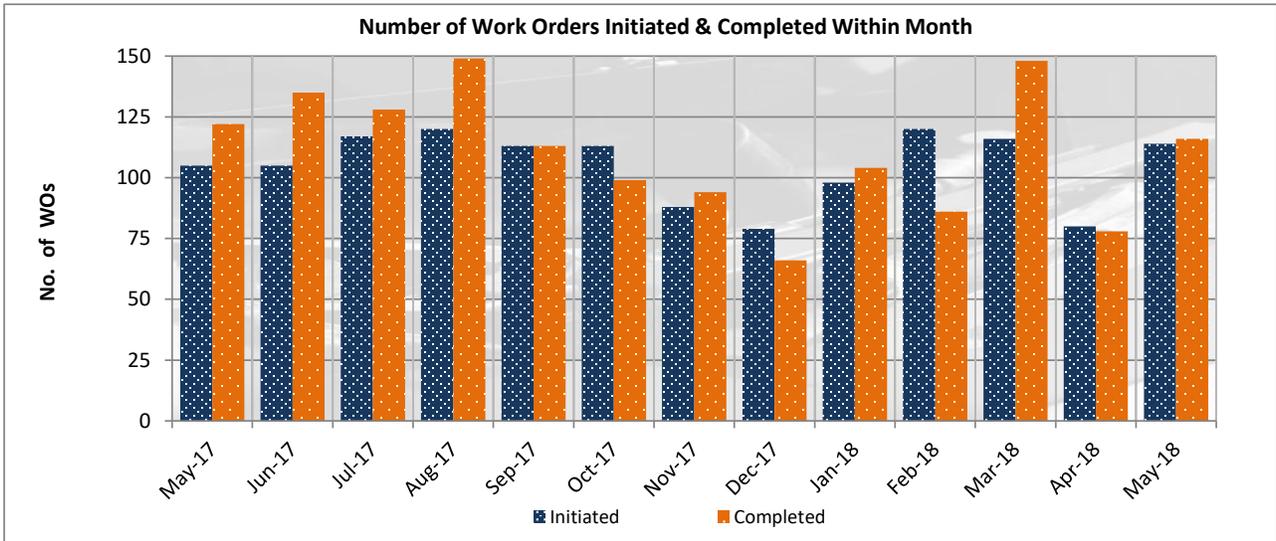
- Completed 96.47% of preventive maintenance activities for the month of May
- Completed 116 corrective maintenance work orders for the month of May
- Open House
- Layup of west FM from NPS to plant
- Overhaul of mixing pump 6B
- Overhaul of Centrifuge poly skid
- Secondary Digester #2 dome repair

Future Planning

- Alvarado Pump Station sewage pump 3 overhaul
- Aeration Basin 4 mud valve repair
- Replacement of radiator fan motor for Co-gen 1
- Aeration Basin tubing replacement
- Co-gen 1 catalyst replacement

Performance Measurements





**Treatment & Disposal
Activities Report
May 2018**

- Maintained 100% compliance with NPDES permits.
- Completed 99% preventive maintenance activities for the month of May.
- Conducted a site visit to the city of Riverside California to view their membrane bioreactor treatment system.
- Continued to work with IT on developing the new ODMS system.
- Conducted the Open House event and its preparation.
- Assisted in the planning of the Odor Control System Pilot Testing scheduled for this summer.
- Worked with PG&E to determine steps necessary to transition to a more favorable natural gas tariff for cogeneration.
- Reviewed replacement boiler and Digester No. 7 air permitting applications and provided comment.
- Reviewed proposals for the Secondary Treatment Upgrade Project - Phase I.
- Attended a third seminar in a series for implementation of the 2016 TNI laboratory standard.
- Continued degritter testing for project acceptance.
- Attended a debrief meeting to discuss membrane bioreactor tours of the Cities of Riverside and Modesto.

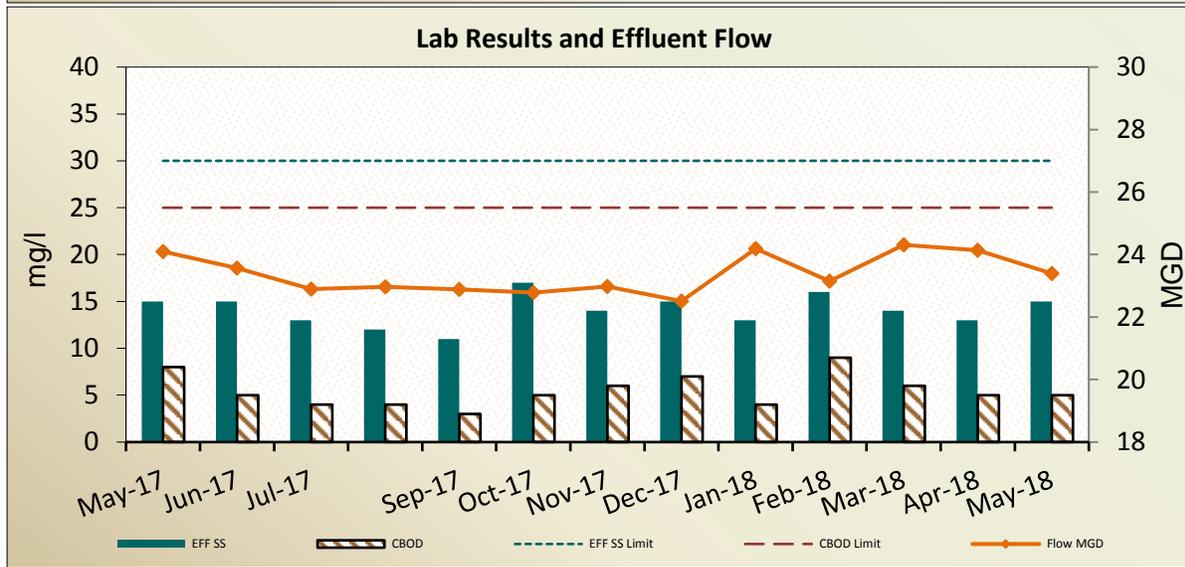
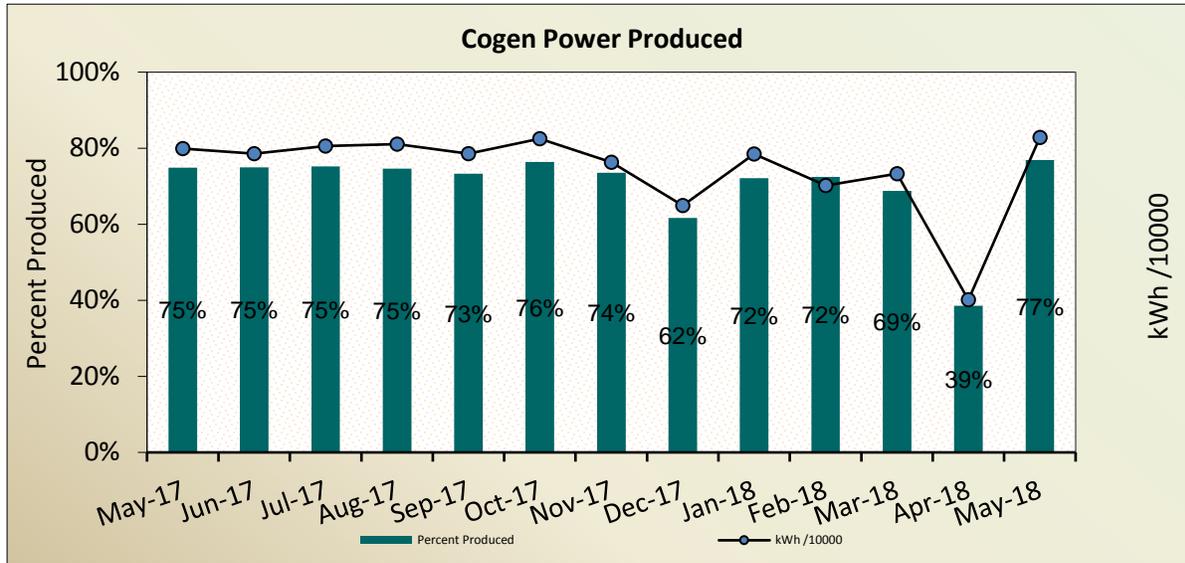
Future Planning

- Conduct operational testing of Degritter No. 3 and associated equipment for the 3rd Degritter Project.
- Complete review of the PCB and recommended parameters for the creation of the operations data management system (ODMS).
- Conduct multiple solids system shutdowns in support of the Digester No. 3 Capital Improvement Project.
- Complete annual reporting for the Old Alameda Creek intermittent wet weather outfall.
- Submit calculations of toxic loading to the SFEI for the determination of RMP program fees for the Hayward Marsh.
- Discuss the rationale for determining the Portion of EBDA fees to be paid by USD for additional study projects required under the nutrient watershed permit.
- Draft the Union City Annual Report.
- Work With DMJ gas and purchasing on an RFP to procure third party gas for electrical generation.

Other

- Cogen system produced 77% of power consumed for the month of May.

Performance Measurements



USD's Final Effluent Monthly Monitoring Results				
Parameter	EBDA Limit	Mar-18	Apr-18	May-18
Copper, µg/l	78	6.4	5.0	4.1
Mercury, µg/l	0.066	0.00430	0.00460	0.00250
Cyanide, µg/l	42	< 0.90	DNQ 0.96	< 0.90
Ammonia- N, mg/L (Range)	130	37.8 - 39.5	36.0 - 42.2	40.6 - 43.4
Fecal Coliform, MPN/100ml (Range)				
• 5-Day Geometric Mean	500	38 - 61	12 - 55	21 - 28
• 11-Sample 90th Percentile	1100	77 - 98	44 - 98	33-38
Enterococci				
• Monthly Geometric Mean	240	15.6	18.8	18.9
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: June 25, 2018

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Laurie Brenner, Finance & Acquisition Services Coach

SUBJECT: Agenda Item No. 11 - Meeting of June 25, 2018
Public Hearing to Consider Collection of Sewer Service Charges on the Tax Rolls for Fiscal Year 2019 and Adoption of a Resolution Electing to Collect Sewer Service Charges on the Tax Rolls

Recommendation

Conduct a public hearing and receive oral or written protests to the proposal to collect sewer service charges on the tax rolls, and if a majority protest is not received, adopt a Resolution Electing to Collect Sewer Service Charges on the Tax Rolls for FY 2019.

Background

On January 25, 2016, the Board approved sewer service charge rates for fiscal years 2017 through 2021.

On June 4, 2018, the Board directed staff to schedule a public hearing on June 25, 2018 regarding collection of sewer service charges on the tax rolls. The District has collected sewer service charges on the general Alameda County tax rolls for many years; however, the Board must hold a public hearing annually to consider and reauthorize collection of the sewer service charges on the tax rolls.

The procedures required for the collection of sewer service charges on the tax rolls are set forth in California Health and Safety Code sections 5473 et seq. Pursuant to these procedures, the District may authorize the collection of sewer service charges for fiscal year 2019 to be collected on the tax rolls, consistent with past practices, by:

1. Creating a report setting forth the sewer service charges to be assessed on each parcel in the District and filing the report with the Board Clerk.
2. Scheduling a public hearing for the Board to hear objections and protests to the report, if any.

4. Holding the public hearing and considering and objections and protests to the report.
5. If there is no majority protest, adopting the report and authorizing the collection of the sewer service charges on the tax rolls in accordance with the report.

Staff prepared the report setting forth the sewer service charges to be assessed on each parcel in the District for fiscal year 2019 and filed the report with the Board Clerk. The report has been available for public inspection at the Districts offices, and staff published notice of the filing of the report and the public hearing to consider the report in the Argus newspaper on May 25, 2018 and June 1, 2018, and in the Tri-City Voice on May 22, 2018 and May 29, 2018.

After considering any objection and protests to the report, the Board has the option of revising, changing, or modifying any charge specified in the report or overruling and all objections and adopting the report. As of the publishing of this staff report, the District has not received any protests.

Staff recommends the Board take the following actions:

- a. Conduct a public hearing to receive written and oral comments on the proposal to collect sewer service charges via the property tax rolls; and
- b. Unless there is a majority protest, overrule any objections to the report and adopt a Resolution Electing to Collect Sewer Service Charges on Tax Rolls

Attachments

- a. Proof of Publication; Tri City Voice and Argus newspapers
- b. Resolution Electing to Collect Sewer Service Charges on Tax Rolls for Fiscal Year 2019

WHATS HAPPENINGS TRI CITY VOICE

This space for filing stamp only

39737 PASEO PADRE PKWY, FREMONT, CA 94538
Telephone (510) 494-1999 / Fax (510) 796-2462

Laurie Brenner
Union Sanitary District/CIP
5072 Benson Road
Union City, CA - 94587

CNS #: 3133362

**UNION SANITARY DISTRICT
NOTICE OF FILING REPORT AND PUBLIC
HEARING IN CONNECTION WITH THE
COLLECTION OF FISCAL YEAR 2019 SEWER
SERVICE CHARGES ON THE
PROPERTY TAX ROLL**

NOTICE IS HEREBY GIVEN that pursuant to Sections 5471 and 5473, et seq. of the Health and Safety Code of the State of California and Union Sanitary District Ordinance No. 31, the Board of Directors of Union Sanitary District will consider whether to collect its charges for sewer services for fiscal year 2019 on the tax roll, in the same manner as general taxes, consistent with past practices. The District has filed a written report with the Secretary of the Board of Directors describing each parcel of real property subject to the charges and the amount of the charges against that parcel for fiscal year 2019. The District's report is on file and available for public inspection at the District Offices. For reference, the charges for a single family home owner (the majority of USD's customers) are based on the adopted rate of \$407.12 for Fiscal Year 2019. All other rates for individual customers can be found by contacting the District at (510) 477-7500 or on the Districts website www.unionsanitary.ca.gov/sewerservice.htm

NOTICE IS FURTHER GIVEN that on Monday, the 25th day of June 2018, at the hour of 7:00 p.m. or as soon thereafter as the matter may be heard, at the Union Sanitary District Boardroom, 5072 Benson Road, Union City, California, in said District, the Board will hold a hearing to consider the report and whether to collect the sewer service charges for fiscal year 2019 on the property tax roll. At the hearing, the Board of Directors will hear and consider all objections or protests, if any, to the District's report. Any questions regarding the charges may be directed to Finance & Acquisition Services Coach, Laurie Brenner.

Publish dates: May 25, 2018 – Argus June 1, 2018 – Argus May 22, 2018 – Tri-City Voice May 29, 2018– Tri-City Voice
By order of the Board of Directors of Union Sanitary District.
5/22, 5/29/18

CNS-3133362#

PROOF OF PUBLICATION

(2015.5 C.C.P.)

State of California)
County of ALAMEDA) ss

Notice Type: HRG - NOTICE OF HEARING

Ad Description:

Notice of Filing Report and Public Hearing in Connection with

I am a citizen of the United States and a resident of the State of California; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer and publisher of the WHATS HAPPENINGS TRI CITY VOICE, a newspaper of general circulation in the city of Fremont, county of Alameda as defined by the laws of the State of California by the Superior Court of the County of Alameda, State of California under date 05/08/2015, case no. HG14716669. That the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

05/22/2018, 05/29/2018

Executed on: 05/29/2018
At Los Angeles, California

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature



Argus

c/o Bay Area News Group-East Bay
6086 Stewart Avenue
Fremont, CA 94538
510-403-4483

2054285

UNION SANITARY DISTRICT
ATTN: ACCOUNTS PAYABLE
PO BOX 5050
UNION CITY, CA 94587

PROOF OF PUBLICATION

**FILE NO. 2019 Property Tax Roll Public
Hearing**

In the matter of

Argus

The Argus

I am a citizen of the United States. I am over the age of eighteen years and not a party to or interested in the above-entitled matter. I am the Legal Advertising Clerk of the printer and publisher of The Argus, a newspaper published in the English language in the City of Fremont, County of Alameda, State of California.

I declare that the Argus is a newspaper of general circulation as defined by the laws of the State of California as determined by this court's order dated July 28, 2008 in the action entitled In the Matter of the Ascertainment and Establishment of the Standing of The Argus as a Newspaper of General Circulation, Case Number HG08-390724. Said order states "The Argus" has been established, printed and published in the City of Fremont, County of Alameda, State of California; That it is a newspaper published daily for the dissemination of local and telegraphic news and intelligence of general character and has a bona fide subscription list of paying subscribers; and...THEREFORE, IT IS ORDERED, ADJUDGED AND DECREED:...That "The Argus" is a newspaper of general circulation for the City of Fremont, County of Alameda, California. Said order has not been revoked.

I declare that this notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

05/25/2018, 06/01/2018

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated: June 1, 2018



Public Notice Advertising Clerk

Legal No. **0006157281**

UNION SANITARY DISTRICT

NOTICE OF FILING REPORT AND PUBLIC HEARING IN CONNECTION WITH THE COLLECTION OF FISCAL YEAR 2019 SEWER SERVICE CHARGES ON THE PROPERTY TAX ROLL

NOTICE IS HEREBY GIVEN that pursuant to Sections 5471 and 5473, et seq. of the Health and Safety Code of the State of California and Union Sanitary District Ordinance No. 31, the Board of Directors of Union Sanitary District will consider whether to collect its charges for sewer services for fiscal year 2019 on the tax roll, in the same manner as general taxes, consistent with past practices.

The District has filed a written report with the Secretary of the Board of Directors describing each parcel of real property subject to the charges and the amount of the charges against that parcel for fiscal year 2019. The District's report is on file and available for public inspection at the District Offices.

For reference, the charges for a single family home owner (the majority of USD's customers) are based on the adopted rate of \$407.12 for Fiscal Year 2019. All other rates for individual customers can be found by contacting the District at (510) 477-7500 or on the Districts website www.unionsanitary.ca.gov/sewerservice.htm

NOTICE IS FURTHER GIVEN that on Monday, the 25th day of June 2018, at the hour of 7:00 p.m. or as soon thereafter as the matter may be heard, at the Union Sanitary District Boardroom, 5072 Benson Road, Union City, California, in said District, the Board will hold a hearing to consider the report and whether to collect the sewer service charges for fiscal year 2019 on the property tax roll. At the hearing, the Board of Directors will hear and consider all objections or protests, if any, to the District's report. Any questions regarding the charges may be directed to Finance & Acquisition Services Coach, Laurie Brenner.

Publish dates: May 25, 2018 - Argus
June 1, 2018 - Argus
May 22, 2018 - Tri-City Voice
May 29, 2018 - Tri-City Voice

By order of the Board of Directors of
Union Sanitary District.
AR #6157281; May 25; June 1, 2018

RESOLUTION NO. _____

**RESOLUTION OF THE UNION SANITARY DISTRICT BOARD OF DIRECTORS
ELECTING TO COLLECT SEWER SERVICE CHARGES ON TAX ROLLS FOR
FISCAL YEAR 2019**

WHEREAS, the Union Sanitary District ("District") has duly adopted Ordinance No. 31.39 which sets the sewer service charges for fiscal years 2017 through 2021; and

WHEREAS, California Health & Safety Code section 5473 provides that the District may elect to have such sewer service charges collected on the County property tax rolls; and

WHEREAS, the District Board of Directors directed the preparation of a written report on Sewer Service Charges for Collection on Tax Rolls for Fiscal Year 2019, which was duly prepared and filed with the Board Clerk (the "Report"); and

WHEREAS, the Board appointed the time and place of hearing for protests to the Report and notice was given in the manner provided by law as it appears by the Affidavits of Publication on file in the office of the Board Clerk; and

WHEREAS, the District Board of Directors, at its regular meeting of June 25, 2018, held a hearing on the Report, where the Board heard and considered all objections or protests, and protests from a majority of owners of separate parcels was not received.

NOW, THEREFORE, IT IS RESOLVED AS FOLLOWS:

1. All recitals above are true and incorporated by reference herein.
2. The Board finds that objections to and protests against the Report were not made by the owners of a majority of the separate parcels of property within the District against which sewer service charges for the services and facilities provided by the District were fixed.
3. The Board further finds that all objections to and protests have been heard by this Board and that any objections and protests are hereby overruled.
4. The Report is hereby adopted in full without revision, change, reduction, or modification, and sewer service charges based upon these rates and the sewer service charges for fiscal year 2019 shall be collected on the tax roll of the County of Alameda in the manner provided by law.
5. The Board Clerk is hereby directed to file with the County Auditor of Alameda County, a certified copy of the Report and this Resolution stating that the Report has been adopted by the District Board of Directors.
6. The Auditor Controller of the County of Alameda shall, upon receipt of a copy of the Report showing the amounts of the charges based upon adopted rates, enter the amounts of the charges against the respective lots or parcels as they appear on the current assessment roll for fiscal year 2019.

I hereby certify that the foregoing Resolution was duly and regularly adopted and passed by the Board of Directors of the UNION SANITARY DISTRICT, Alameda County, California, at a meeting thereof held on the 25th day of June, 2018.

AYES:

NOES:

ABSENT:

ABSTAIN:

PAT KITE, President
Board of Directors Union Sanitary District

ATTEST:

MANNY FERNANDEZ,
Secretary
Board of Directors Union Sanitary District



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

DATE: June 19, 2018

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Sami E. Ghossain, Manager of Technical Services
Raymond Chau, CIP Coach
Andrew C. Baile, Assistant Engineer

SUBJECT: Agenda Item No. 12 – Meeting of June 25, 2018
Conduct a Public Hearing to Receive Comments on the Initial Study and Mitigated Negative Declaration of Environmental Impacts for the Emergency Outfall Improvements Project

Recommendation

The Board of Directors opens the public hearing and receives comments regarding the Initial Study and Mitigated Negative Declaration for the Emergency Outfall Improvements Project.

Background

The District's Alvarado Effluent Pump Station (AEPS) normally pumps the final effluent from the Alvarado Wastewater Treatment Plant (WWTP) to the EBDA system where the combined effluent from the EBDA agencies is dechlorinated and discharged from the EBDA Common Outfall to Lower San Francisco Bay. The District also has an NPDES permit to discharge final effluent to Old Alameda Creek during wet weather and when the capacity of the EBDA system is maximized. Final effluent is conveyed from the AEPS to the south channel of Old Alameda Creek, located west of the WWTP, through the emergency outfall pipeline that varies in diameter between 30 and 60 inches. A system of valves and piping located at the WWTP controls the flow through the emergency outfall flap gate and into the creek. The District doses calcium thiosulfate to dechlorinate the final effluent prior to discharging to the creek. Figures 1 through 3 show the Emergency Outfall Improvements Project (the "Project") Location and the flap gate.

The creek is influenced by the tidal cycle; the emergency outfall flap gate is submerged below water during high tides and is exposed during low tides. This presents a maintenance issue as the water brings in sediment that routinely buries the flap gate and promotes vegetation growth, which then impedes the operation of the flap gate. The District currently inspects the flap gate every month and schedules staff to clear the sediment and vegetation growth when necessary.

The purpose of this Project is to make improvements to the emergency outfall to reduce the maintenance activities associated with the Emergency Outfall flap gate and increase the reliability of the emergency outfall operation during wet weather events. The project improvements include the:

1. Replacement of approximately 60 feet of the existing outfall pipeline,
2. Construction of a concrete outlet structure, and
3. Construction of a redundant pipeline.

Brown and Caldwell was selected as the design consultant for the Project. The Project is currently in the design and permitting phase with construction anticipated to begin in the spring/summer of 2019.

Scheidegger and Associates, subconsultant to Brown and Caldwell, prepared the Initial Study for the proposed Project. Pursuant to the California Environmental Quality Act, the consultant analyzed the Project's potential impact with respect to various environmental factors (e.g., air quality, biological resources, cultural resources, etc.) and required mitigation measures to be included in the Project to mitigate impacts to the environment. The Initial Study concluded that while several potential adverse environmental impacts could result from the Project, measures could be used to effectively mitigate these impacts. Accordingly, it has been determined that a Mitigated Negative Declaration is appropriate for the Project.

A public hearing is being held to allow for public comment on the Initial Study and Mitigated Negative Declaration (IS/MND) for the Project. Staff circulated the IS/MND to local and state agencies for review during the period of June 8 through July 9, 2018. The attached "Notice of Document Availability and Intent to Adopt a Mitigated Negative Declaration" was published in the Tri-City Voice on June 5, 2018 and June 12, 2018 and in The Argus on June 8, 2018. The public may comment on the IS/MND both in writing during the review period or during the public hearing.

Consultant and staff will review and consider the written and oral comments from the public and the local and state agencies. Staff has scheduled consideration of the IS/MND for the July 23, 2018 Board Meeting.

PRE/SEG/RC/ACB;dl

Attachment: Figure 1 – Site Plan
Figure 2 – Emergency Outfall Improvements Site Location
Figure 3 – Existing Outfall Flap Gate
Notice of Document Availability and Intent to Adopt a Mitigate Negative
Declaration

Figure 1: Site Plan



EBDA (Alvarado Effluent) Pump Station including pipelines to EBDA and the Emergency Outfall.

Figure 2: Emergency Outfall Improvements Site Location



Inset pictures show emergency outfall flap gate under current high and low tide conditions. Both photographs taken September 13, 2016.

Figure 3: Existing Outfall Flap Gate

Low Tide 2016



Low Tide 2017



The 2016 photograph was taken after maintenance had been performed, which included exercising of the flap gate and clearing of surrounding sediment. The 2017 photograph shows the current condition of the flap gate.

UNION SANITARY DISTRICT

NOTICE OF DOCUMENT AVAILABILITY AND INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION

PUBLIC REVIEW AND COMMENT PERIOD: June 8, 2018 through July 9, 2018. Please send all comments to Andrew Baile, Union Sanitary District, 5072 Benson Road, Union City, California 94587-2508.

PROJECT LOCATION AND DESCRIPTION: The Project borders USD's Alvarado Wastewater Treatment Plant along Old Alameda Creek. The emergency outfall was constructed in the 1960s, and under certain conditions, USD is permitted to discharge treated effluent via the outfall to the creek during wet weather. The outfall flap gate is submerged below water during high tides and partially exposed during low tides. This condition brings in sediment and promotes vegetative growth which impede operation of the flap gate and creates a maintenance issue. A new outfall structure is proposed at the same location to address these issues.

INITIAL STUDY: An Initial Study was prepared to determine if the proposed Project would result in significant adverse impacts on the environment. That document concluded that while several potential adverse environmental impacts could result from the Project, measures could be used to effectively mitigate these impacts. Accordingly, it has been determined that a Mitigated Negative Declaration is appropriate for the Project.

TO REVIEW DOCUMENT: Copies of the Initial Study and proposed Mitigated Negative Declaration can be reviewed at the Union Sanitary District, 5072 Benson Road, Union City, California. All written comments on the proposed Mitigated Negative Declaration must be submitted no later than the July 9, 2018 deadline.

PUBLIC HEARING: The Union Sanitary District Board of Directors will conduct a public hearing to receive oral comments at a regularly scheduled meeting on June 25, 2018, beginning at 7:00 p.m. The Board will consider adoption of the Mitigated Negative Declaration at a regularly scheduled meeting on July 23, 2018, beginning at 7:00 pm.

TOXIC SITES: The Project site is not included as a toxic site as enumerated under Section 65962.5 of the California Government Code.



Directors
Manny Fernandez
Tom Handley

Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

DATE: June 25, 2018

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Laurie Brenner, Finance & Acquisition Services Coach

SUBJECT: Agenda Item No. 13 - Meeting of June 25, 2018
Proposed Operating and CIP Budget for Fiscal Year 2019

Recommendation:

Review the Proposed Operating and CIP Budget for FY 2019 for adoption at the District.

Background:

Attached for your review is the Proposed Operating and CIP budget for FY 2019. This budget reflects the Board's input and information presented at the Budget workshop on May 8th.

The presentation of the FY19 Budget follows the same format as was used in FY 2018 for clarity. The FY19 Budget Summary reflects:

- 1) An increase in Total Revenues of 15.9%
- 2) A increase in Total Expenditures of 1.9%
- 3) An increase in the Operating Budget of 6.3%

This document also reflects the following changes since the May 8th Budget workshop:

- 1) Changes in the fund splits and allocations between fiscal years in the CIP budget (no net change)
- 2) Clarifications and greater detail in the Special Projects section
- 3) Additional materials and services added to the "Over \$100,000 List"
- 4) Wages for the Collection Services Coach (overlap due to planned retirement)
- 5) Adjustments to the Vehicle R & R Fund in FY 18 and FY 19 (unreceived vehicle; changes to pool vehicles)

Attachment

Union Sanitary District

Union City, California

Proposed Operating & CIP Budget FY 2019



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Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

DATE: June 25, 2018

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

SUBJECT: Fiscal Year 2019 Operating and CIP Budget

Union Sanitary District (USD) staff is pleased to present the comprehensive annual budget for Fiscal Year (FY) 2019 to the Board of Directors. This budget covers the period from July 1, 2018 through June 30, 2019. The District continues to focus on the operation and maintenance of its infrastructure and assets, capital project construction, planning, and effective use of technology.

Outstanding Performance and Cost-Effective Service for the District's Customers

In keeping with our Mission, the District continues to provide a high level of service to its customers at very competitive rates. During FY 2016, USD conducted a major Cost of Service Analysis (COSA) to determine a five-year rate plan that met all requirements related to charges for services under Proposition 218. The Sewer Service Charge for FY 2019 incorporates the third rate increase of the five-year rate increase plan. The annual single-family rate will increase from \$393 to \$407 in FY 2019, and to \$436 by the fifth year (FY 2021). This increased rate is still well below the national average annual sewer service charge of \$479, as reflected in the most recent National Association of Clean Water Agencies price index. The average rate of the 34 Bay Area agencies the District surveys is \$621.

The District continues its record of outstanding stewardship and service. Once again, USD received the Platinum Award from the National Association of Clean Water Agencies for Peak Performance for operating for seven consecutive years without exceeding the limits or conditions of the District's permit. This is a tribute to the outstanding work by District Operations and Maintenance teams. The District continues to average less than one spill per hundred miles of pipeline per year, ranking the District among the best in the State while doing so in a very cost-effective manner. The District Collections Services and Environmental

Compliance groups have successfully implemented measures to control roots and grease to help minimize spills and back-ups.

Financial State of the District

Revenues have been consistent with the projections outlined in the COSA and there has been a continued increase in development activity in the Districts service area. While economic conditions within the service area have improved, the District continues to exercise fiscal prudence. It is because of this cautionary approach that the District has continued to remain fiscally sound.

USD has seen increases in permit applications in the past twelve months, and that is expected to continue in FY 2019. A portion of USD capital projects is funded by capacity fees; however, the majority are funded through Sewer Service Charges. The District continues to be vigilant in its efforts to control expenses. Like other agencies, USD faces significant pressures associated with the costs of health care, pensions, chemicals, treatment plant utilities (primarily PG&E), aging infrastructure and other capital expenditures.

Revenues

Capacity Fee revenues incorporate increased capacity fees approved by the Board, effective July 1, 2016, which are being phased in over a 4-year period. The Tri-City area is experiencing a continued increase in construction development; it is unclear when that trend might begin to slow. The District, in consultation with the three cities, carefully evaluates all the residential and non-residential projects in the service area for the upcoming year and prepares an estimate of anticipated growth and development. As a result, total capacity fee revenues are expected to come in at over \$16.2 million in FY 2019, similar to the 2018 actuals. Anticipated expenditures associated with capacity fees over the next several years indicate that there will likely be an overall declining balance in this fund.

Expenditures

The total increase in budget for the sewer service charges (fund 80) is approximately 2.5% while operating expenses are anticipated to increase by 6.3%, primarily due to salary and pension contribution rate increases. Chemical costs have been relatively stable due to the District's participation in the Bay Area Chemical Consortium; however, the District is budgeting for fairly significant increases in several chemicals utilized in the treatment process for FY 2019. The increase is primarily due to an increase in raw materials used in the manufacturing.

No significant changes to the number of District employees are budgeted during this fiscal year. The District filled many vacancies during FY 2018, mostly attributable to planned retirements. Balancing the District's ability to attract and retain a qualified workforce against the bottom line

will continue to be a challenge as more of our tenured workforce becomes eligible for retirement.

Total expenditures in the Capital Improvement Program are less than the FY 2018 levels. This was expected as many projects are in pre-design or design stage of the project in this FY. The total CIP budget is approximately \$9.3 million for both the sewer service and capacity fee funds. Annually, staff conducts a thorough study of the infrastructure needs of the District and developed a 20-year Capital Improvement Plan (CIP). The current plan is in excess of \$751 million. USD continues to minimize impacts on its cash flows, and ultimately the rate payers by taking advantage of very favorable project financing available through the State and federally funded Clean Water State Revolving Fund (SRF) program. Additionally, the District continues to explore alternative financing methods that provide a great degree of flexibility in delivering the necessary capital improvements.

Capital project spending will continue to focus on rehabilitation of the wastewater treatment plant and collections system pipeline. Many of the District's buildings and treatment processes are approaching 35 years in operation. Replacing and upgrading these facilities and equipment will ensure that we can efficiently operate the plant in the long-term. An example of some of the projects in FY 2019 include:

- A seventh anaerobic digester
- Standby power generation system upgrades
- Pump station improvements
- Laboratory Information Management System (LIMS)
- Replacement of older servers and hardware for business continuity, and disaster recovery.

Special Projects Fund expenditures will decrease from \$1.8 million in FY 2018 to \$1.4 million in FY 2019. Of the \$1.4 million, \$316,450 is for special projects that will carry forward to FY 2019. Examples of some of the of the special projects /studies planned or continuing this year include:

- Force Main Condition Assessment.
- Plant Master Plan.
- Newark Basin Master Plan/PACP Update.
- MBR Pilot program
- IT Master Plan.
- Odor Control Study Update (phase II and pilot).
- Outreach programs including the USD newsletter.
- Rebranding initiative.

Balanced Budget, Reserves and Rates

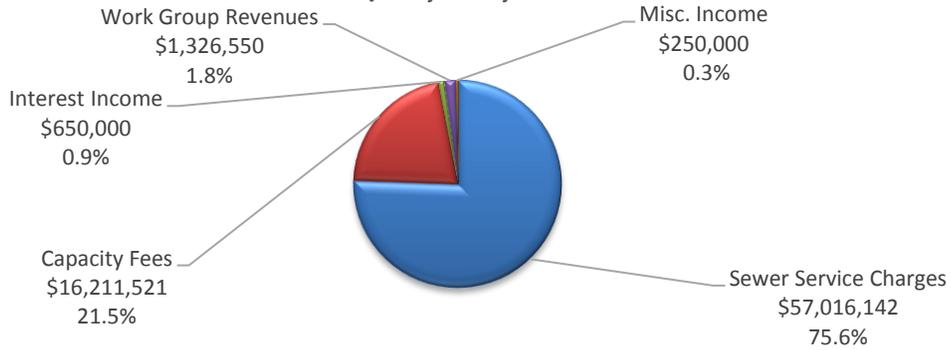
USD has long operated with a balanced budget and the FY19 budget is no exception. It is anticipated that reserves will be impacted over the next few fiscal years due to the District's infrastructure needs.

District reserves continue to be stable, although as the District operating budget increases, more of the District's reserves are dedicated to ensuring operating cash. The District's investment portfolio continues to perform conservatively well. During FY 2018, a complex financial model was completed that will allow the District to analyze different rate models and financing plan scenarios to assist the District in making sound financial decisions on future infrastructure needs and the long-term sustainability of prospective policies and programs.

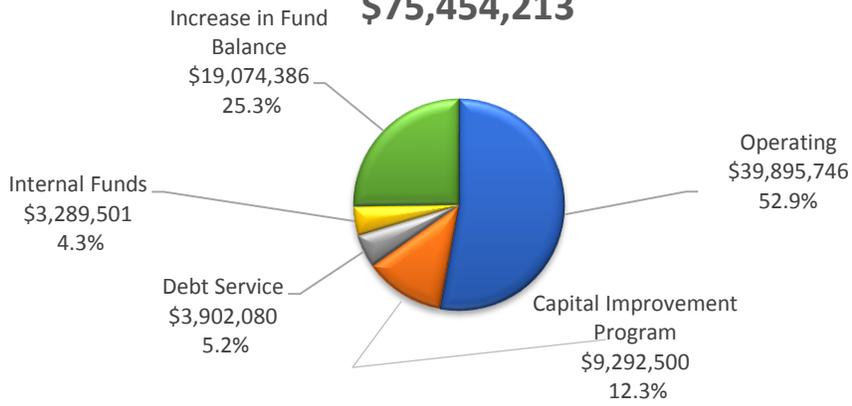
Conclusion

This calendar year, the District reached a significant milestone, 2018 marked 100 years of service to our customers in the Tri-City area. The District's high level of service and very competitive rates reflect its highly efficient and customer-oriented staff. The District is fortunate to have a very talented and dedicated workforce. I would like to express my appreciation to all the employees of the District whose hard work is not taken for granted and whose dedication is reflected in the daily delivery of services to our customers. The District is firmly committed to meeting every challenge brought forth while building a premier organization. This budget enables us to continue to move forward in meeting those challenges. By continuing to follow the budget policy set forth by the District, we will continue to deliver the highest level of service hopefully for the next 100 years, and beyond.

Total Revenues \$75,454,213



Total Expenditures \$75,454,213



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SPECIAL PROJECT EXPENDITURES

DESCRIPTION	Adopted Budget FY18	Estimated Actual FY18	Estimated Carryover	New \$ (Provision)	Proposed Budget FY19
Administrative & Regulatory					
Anticipated Biosolids Coalition Membership Dues	\$25,000	\$25,000	\$0	\$25,000	\$25,000
Anticipated Election Costs (Placeholder for 2020)	443,323	0	0	0	0
GIS JPA	22,000	37,000	0	27,000	27,000
IBB Labor Negotiations Facilitation	83,200	83,200	0	20,000	20,000
Public Information Program (USD newsletter)	100,000	85,000	15,000	75,000	90,000
Public Outreach (e.g., 2018 Centennial, FOG, Rebranding)	140,000	100,000	40,000	60,000	100,000
Sub-Total Administrative & Regulatory	813,523	330,200	55,000	207,000	262,000
Studies & Other					
Air Permitting Consultant Assistance	50,000	0	50,000	0	50,000
Alvarado Sub-Surface Investigation	10,000	6,550	3,450	6,550	10,000
Financial Master Plan	70,000	55,000	15,000	10,000	25,000
Forcemain Condition Assessment	100,000	17,028	0	10,000	10,000
Lateral Pilot Program - Condition Assessment	25,000	25,000	25,000	0	25,000
Local Limits Study	80,000	52,171	0	10,000	10,000
Newark Basin Master Plan/PACP Update	75,000	50,000	25,000	200,000	225,000
Odor Control Study Update	55,000	253,143	0	100,000	100,000
Plant Asset Condition Assessment Update	50,000	100,000	0		50,000
Plant Master Plan	175,000	225,898	0	100,000	100,000
Plant Solids System/Capacity Master Plan (Phases I and II)	110,000	151,200	0	0	0
Seismic Evaluation	20,000	12,000	8,000	0	8,000
Treatment Plant IT Network Master Plan	150,000	15,000	135,000	0	135,000
IT Master Plan	0	0	0	200,000	200,000
MBR Pilot Program	0	0	0	100,000	100,000
Water Reclamation Pilot Program	0	0	0	100,000	100,000
Sub-Total Studies & Other	970,000	962,990	261,450	886,550	1,148,000
Total Special Projects	\$1,783,523	\$1,293,190	\$316,450	\$1,093,550	\$1,410,000

**SUMMARY AND COMMENTS
FISCAL YEAR 2019 BUDGET**

Budget Summary – All Funds (Sewer Service and Capacity Funds)

	Budget FY 2018	Estimated Actual FY 2018	Proposed Budget FY 2019	% Change
Total Revenues				
Sewer Service Charges	\$54,913,920	\$54,518,000	\$57,016,142	3.8
Capacity Fees	7,910,000	16,479,000	16,211,521	104.9
Work Group Revenues	1,300,000	1,238,500	1,326,550	2.0
Interest	625,000	700,000	650,000	4.0
Other	361,500	250,000	250,000	(30.8)
SRF Loan Proceeds	0		0	0
Total Revenues	\$65,110,420	\$73,185,500	\$75,454,213	15.9
Total Expenditures				
Operating	\$37,525,887	\$36,209,730	\$39,895,746	6.3
Capital Projects (90%)	10,080,000	8,578,040	9,292,500	(7.8)
Debt Service	3,880,441	3,902,080	3,902,080	0.6
Special Projects	1,873,523	1,826,672	1,410,000	(24.7)
Other Internal Funds	1,994,655	1,373,956	1,879,501	(5.8)
Total Expenditures	\$55,354,506	\$51,890,478	\$56,379,827	1.9
Revenues in Excess of Expenditures – To Reserves	\$ 9,755,914	\$21,295,022	\$19,074,386	95.5

Proposed Combined Budget – Sewer Service and Capacity Funds

	Sewer Service Fund (Incl Fund 80)	Capacity Fund (Fund 90)	Total
Total Revenues			
Sewer Service Charges	\$57,016,142	\$ 0	\$57,016,142
Capacity Fees	0	16,211,521	16,211,521
Work Group Revenues	1,326,550	0	1,326,550
Interest	375,000	275,000	650,000
Other	125,000	125,000	250,000
SRF Loan Proceeds	0	0	0
Total Revenues	\$58,842,692	\$16,611,521	\$75,454,213
Total Expenditures			
Operating	\$39,895,746	\$ 0	\$39,895,746
Capital Projects (90%)	6,142,500	3,150,000	9,292,500
Debt Service	2,785,617	1,116,463	3,902,080
Special Projects	1,410,000	0	1,410,000
Other Internal Funds	1,879,501	0	1,879,501
Total Expenditures	\$52,113,364	\$4,266,463	\$56,379,827
Revenues in Excess of Expenditures – To Reserves	\$ 6,729,328	\$12,345,058	\$ 19,074,386

SEWER SERVICE FUND

The FY 2019 budget for the Sewer Service Fund is presented below:

	Budget FY 2018	Estimated Actual FY 2018	Proposed Budget FY 2019	% Change
Total Revenues				
Sewer Service Charges	\$54,913,920	\$54,518,000	\$57,016,142	3.8
Work Group Revenues	1,300,000	1,238,500	1,326,550	2.0
Interest	425,000	476,000	375,000	(11.8)
Other	261,500	100,000	125,000	(52.2)
SRF Loan Proceeds	0	0	0	0
Total Revenues	\$56,900,420	\$56,332,500	\$58,842,692	3.4
Total Expenditures				
Operating	\$37,525,887	\$36,209,730	\$39,895,746	6.3
Capital Projects (90%)	6,660,000	5,756,870	6,142,500	(7.8)
Debt Service	2,769,387		2,785,617	0.6
Special Projects	1,873,523	1,826,672	1,410,000	(24.7)
Other Internal Funds	1,994,655	1,373,956	1,879,501	(5.8)
Total Expenditures	\$50,823,452	\$47,952,845	\$52,113,364	2.5
Revenues in Excess of Expenditures – To Reserves	\$ 6,076,968	\$ 8,379,655	\$ 6,729,328	10.7

REVENUES: Revenues in the Sewer Service Fund are anticipated to increase 3.8% in comparison to the FY 2018 budget. With respect to the estimated actual amounts for FY 2018, the FY 2019 budget is 4.6% more. Each of the individual revenue elements is discussed below:

Sewer Service Charges: The principal revenue source for the Sewer Service Fund is the annual Sewer Service Charges, estimated to be just over \$57 million in FY 2019. This is 3.8% more than the prior year’s budget amount. For the last two years the budget estimate has been based on a new wastewater rate and cost of service study, resulting in the adoption of a five-year rate plan in January 2016, pursuant to the requirements of Proposition 218. The existing annual sewer service charge for Single Family Dwellings (SFD) will increase from \$393.35 in FY 2018 to \$407.12 in FY 2019 (an increase of 3.5%), and the annual Multi-family Dwelling rate will increase from \$341.03 in FY 2018 to \$352.97 in FY 2019 (also an increase of 3.5%). Residential rates account for 74.31% of total sewer service charge revenues. For non-residential customers, rates are calculated annually using flow based on water usage and sewage strength.

Work Group Revenues: These revenues consist of things like field inspection fees, plan check fees, permits, external work orders, and services provided to the City of Fremont’s Urban Runoff program. Because these items tend to vary based on external demands, anticipated revenues are typically estimated in a conservative manner. The FY 2019 budget estimate is \$26,550 (2.0%) higher than the prior year’s budget amount.

Interest: Interest income is expected to decrease 11.8% from the FY 2018 budget amount. These changes are based on maturing investment instruments and the temporary cessation of portfolio acquisitions throughout FY 2018. All indications are that the Federal Reserve will continue on its course of gradually raising interest rates as the overall economy continues to strengthen.

Other: Other revenues consist of rebates from the Self-Generation Incentive Program (SGIP) administered by the California Public Utilities Commission (CPUC) related to cogeneration and other miscellaneous income, including the sale of surplus equipment. This item is expected to decrease by 52.2% from the FY 2018 budget amount, primarily because of the end of the PG&E solar rebate program.

SRF Loan Proceeds: Although the State Revolving Fund (SRF) has been, and will likely continue to be, an ongoing source of funding for District capital needs, no SRF loan proceeds are anticipated to be received in FY 2019.

EXPENDITURES: Expenditures in the Sewer Service Fund are anticipated to increase 2.5% in comparison to the FY 2018 budget. Each of the individual expenditure elements is discussed below:

Operating: Operating expenditures are those required for the day-to-day operations of the District, including maintenance, regulatory activities, engineering, and administration. Operating expenditures are estimated to increase 6.3% in FY 2019. Of that increase, 4.9% is due primarily to salaries and benefits adjustments in accordance with the District’s Memorandum of Understanding (MOU) with its classified employees, performance-based merit increases for the Unclassified staff, and increased California Public Employees’ Retirement System (CalPERS) contributions.

	Budget FY 2018	Proposed Budget FY 2019	Dollar Change	% Change
Wages	\$16,786,650	\$17,258,665	\$ 472,015	2.8
CalPERS Contributions	3,822,623	4,433,146	610,523	16.0
Workers’ Compensation	299,232	314,142	14,910	5.0
Other (Medical, Medicare)	3,653,059	3,758,768	105,709	2.9
Vacancy Factor (2%)	(486,278)	(508,027)	(21,749)	4.5
Total Salaries and Benefits	\$24,075,286	\$25,256,694	\$1,181,408	4.9

Increased payments to CalPERS are the result of both increased wages and an increase in the CalPERS contribution rate, from 22.299% in FY 2018 to 25.359% in FY 2019, resulting in a 16.0% overall increase in payments to CalPERS. Workers’ compensation costs have increased because of increased wages (upon which workers’ compensation premiums are based) and an anticipated 5% rate increase. Medical amounts are increasing in accordance with the MOU. Consistent with prior years, salaries and benefits include a 2% vacancy factor, in recognition of the fact that vacancies occur throughout the year and are not immediately refilled.

Below is information about the Fund 20 components of Operating expenditures, which include salaries and benefits:

Work Group	Budget FY 2018	Estimated Actual FY 2018	Proposed Budget FY 2019	% Change
Board of Directors	\$ 176,093	\$ 171,093	\$ 179,111	1.7
General Manager/Admin.	1,082,884	992,884	1,043,506	(3.6)
Business Services	3,538,791	3,250,000	3,762,036	6.3
Collection Services	6,551,768	5,901,860	6,888,192	5.1
Technical Services	5,995,655	6,045,375	6,347,451	5.9
Treatment & Disposal Services	11,122,285	11,100,000	12,025,839	8.1
Fabrication, Maintenance, and Construction	7,762,322	7,451,829	8,264,515	6.5
Non-Departmental	587,080	587,080	652,008	11.1
Total Operating Expenditures	\$36,816,878	\$35,500,121	\$39,162,658	6.4

Salaries and benefits account for 64.5% of total operating expenditures in FY 2019 (down slightly from 65.4% in FY 2018). In addition to salary and benefit increases discussed above, some of the other reasons for the 6.4% increase in operating expenditures are as follows:

- Actual costs for Districtwide accounts (telephones, training, insurance premiums and other miscellaneous items) are projected to increase
- Treatment & Disposal is projecting significant increases in chemical and hauling costs associated with treatment processes
- Fabrication, Maintenance, and Construction expects to incur additional costs due to increased maintenance needs of aging infrastructure, additional media replacements at new contracted amounts for gas conditioning, the purchase of standby pumps as a contingency plan for a force main or pump station outage, and utility rate increases from Alameda County Water District (ACWD) and PG&E

District-wide training, property insurance, and telephones, that benefit the entire District, not just one or two individual work groups were placed into a Non-Departmental category last fiscal year. This change will remain in effect and has been beneficial in tracking District-wide expenses. The FY 2019 budget continues to reflect this change.

Districtwide training is anticipated to increase because there is now a full-time Training and Emergency Response Programs Manager to oversee these activities. Finally, an Engineering Intern is included for FY 2019 (as it was in FY 2018) to assist with updating documentation for things like lockout tag out procedures. Because this position will likely assist several departments, it is included in the non-departmental budget line item.

Capital Projects: This line item is discussed separately later in this document.

Debt Service: This line item is discussed separately later in this document.

Special Projects: This line item includes non-routine expenditures for things like one-time studies, hiring consultants, and new programs where the long-term financial impact, if any, is not known. A detailed listing of Special Projects is included later in this document.

Other Internal Funds: These are separate components of the Sewer Services Fund that account for renewals and replacements of equipment and technology, as well as the pretreatment program. Below is detailed information about this line item:

	Budget FY 2018	Estimated Actual FY 2018	Proposed Budget FY 2019	% Change
	\$ 1,139,555	\$719,956	\$660,201	(42.1)
Renewal & Replacement – Information Systems (Fund 60)	600,100	400,000	712,300	18.7
Renewal & Replacement – Plant and Pump Station (Fund 70)	250,000	250,000	500,000	100.0
Pretreatment Program (Fund 85)	5,000	4,000	7,000	40.0
Total Other Funds	\$1,994,655	\$1,373,956	\$1,879,501	(5.8)

- **Renewal & Replacement – Vehicles and Equipment:** Vehicles and equipment that are scheduled to be replaced due to age or obsolescence are purchased through this fund. The provision is now based on a conditional assessment/age specific replacement schedule and expenditure projection. The vehicles and equipment scheduled for replacement in FY 2019 are as follows:

Vehicles:	
Toyota Forklift (Warehouse)	\$ 38,000
Hybrid Sedan (fleet)	38,000
Electric Sedan	38,000
Vactor (carry forward from FY18)	507,966
Total Vehicles	621,966
Equipment:	
Multi-Quip Concrete Saw	\$34,235
Miscellaneous supplies	4,000
Total Equipment	38,235
Total Vehicles and Equipment	\$660,201

As noted in the table above, one piece of equipment was approved for purchase in FY 2018 and the purchase order was issued. However, it is anticipated payment for this vehicle will not be made until FY 2019. As a result, \$507,966 for the Vactor is included in the FY 2019 budget so that the invoices can be paid. This is why the estimated actual expenditures in FY 2018 are significantly less than the FY 2018 budget amount, and there is a corresponding increase in the FY 2019 budget as compared to FY 2018.

- **Renewal & Replacement – Information Systems:** The FY 2019 budget for Information Systems renewal and replacement consists of the following:

Hardware (Desktops, Switches, Servers, Routers, etc.)	\$362,300
GIS – Various	145,000
IT Various Projects (Eg. Kronos, ECMS updates)	105,000
Laboratory Information Management System (LIMS) Software Implementation	100,000
Total Information Systems	\$712,300

- **Renewal & Replacement – Plant and Pump Station:** Plant and pump station renewals and replacements anticipated in FY 2019 consist of the following:

8" Trailer Mounted Pump	\$70,000
12" Trailer Mounted Pump	130,000
(2) Force Main Repair Couplings	210,000
Unplanned Maintenance	90,000
Total Plant and Pump Station	\$500,000

- **Pretreatment Program:** The Pretreatment Program budget consists of supplies, equipment and training that support the Pretreatment Program, as required by Ordinance 36.

Sewer Service Fund Reserves: In accordance with debt covenants and District Policy No. 2090, "Reserve Funds," the District maintains a number of reserves in the Sewer Service Fund. In FY 2019, approximately \$6.7 million is anticipated to be transferred to reserves. A summary of the various reserves is shown in the following table:

Reserve Description	Proposed Budget FY 2019
Cash Flow	\$19,947,873
Structural Renewal & Replacement	25,796,500
Emergency	5,000,000
SRF Loan Contingency	3,902,080
Liquidity	1,240,000
Liability Insurance	1,000,000
Information Systems Renewal & Replacement	650,000
Vehicle & Equipment Renewal & Replacement	751,000
Total Reserves – Sewer Service Fund	\$58,287,453

A description of each reserve and its target funding level is as follows:

- **Cash Flow** – Sewer Service Charge revenues are collected by the Alameda County Tax Collector's Office and remitted to the District in two major installments in April and December of each year. In order for the District to pay its ongoing expenditures throughout the year, it reserves six months (50%) of gross operating expenditures at the start of each fiscal year.

- **Structural Renewal & Replacement** – To maintain the ability to renew and replace infrastructure, this reserve is funded at the average annual renewal/replacement capital costs based on the 20-year CIP.
- **Emergency** – In order to help mitigate the financial impacts of an emergency or catastrophic event, the District has an Emergency Reserve. The target for FY 2019 is \$5 million.
- **SRF Loan Contingency** – The District is able to utilize low interest rate loans through the State of California to finance capital projects. A requirement of these loans is the establishment and maintenance of a contingency reserve that is defined in the loan documents. The reserve balance is set at the amount required in the loan documents, typically one annual payment per loan.
- **Liquidity** – The District maintains a minimum amount of immediately available funds, 125% of biweekly payroll, held in a local bank account, in cash deposits.
- **Liability Insurance** – The District is a member of and purchases liability insurance from the California Sanitation Risk Management Association (CSRMA). The deductible of \$500,000 reduces the amount of premiums charged to the District. In order to account for an event that is either not covered by insurance or under the deductible amount, the District reserves two times the annual deductible amount, based on claims history.
- **Information Systems Renewal & Replacement** – To maintain the ability to replace computer hardware and software, this reserve is funded at the average annual information systems renewal/replacement costs projected over the next 5 years, with a minimum of \$250,000.
- **Vehicle & Equipment Renewal & Replacement** – To maintain the ability to replace the District's fleet and major equipment, this reserve is funded at the average annual equipment renewal/replacement costs projected over the next 5 years, with a minimum of \$500,000.

CAPACITY FUND

The FY 2019 budget for the Capacity Fund is presented below:

	Budget FY 2018	Estimated Actual FY 2018	Adopted Budget FY 2019	% Change
Total Revenues				
Capacity Fees	\$7,910,000	\$16,479,000	\$16,211,521	104.9
Interest	200,000	224,000	275,000	37.5
Other	100,000	150,000	125,000	25.0
SRF Loan Proceeds	0	25,810	0	0
Total Revenues	\$8,210,000	\$16,878,810	\$16,611,521	102.3
Total Expenditures				
Capital Projects (90%)	\$3,420,000	\$ 2,821,170	\$3,150,000	(7.9)
Debt Service	1,111,054	1,116,463	1,116,463	0.5
Total Expenditures	\$4,531,054	\$ 3,937,633	\$4,266,463	(5.8)
Revenues in Excess of Expenditures – To Reserves	\$3,678,946	\$ 12,941,177	\$12,345,058	235.6

REVENUES: Revenues in the Capacity Fund are anticipated to increase 102% in comparison to the FY 2018 budget. Each of the individual revenue elements is discussed below:

Capacity Fees: The principal revenue source for the Capacity Fund is Capacity Fees, estimated to be \$16.2 million in FY 2019. These fees are collected in accordance with the provisions of California Assembly Bill (AB) 1600 and are intended to mitigate the impacts of new development. In the case of the District, these fees are collected from new development as a requirement of connecting to the sewer system. As such, they can only be used for capital projects that increase the system's capacity to serve that new development. The last several years have seen significant new development in the Tri-Cities area of Fremont, Newark, and Union City. The pace of that development is not expected to slow in FY 2019, resulting in a static revenue estimate as compared to FY 2018 actual. Pursuant to Ordinance No. 35.22, based on a capacity fee study and adopted by the Board in April 2016, capacity fees will increase annually through FY 2020. Capacity fees for Single Family Dwellings (SFD) will increase from \$7,247 in FY 2018 to \$8,072 in FY 2019 (an increase of 11.4%), and capacity fees for Multi-family Dwellings will increase from \$6,211 in FY 2018 to \$6,919 in FY 2019 (also an increase of 11.4%).

Interest: Interest income is expected to increase 37.5% from the FY 2018 budget amount, and increase 22.8% from the FY 2018 estimated actual amount. This increase is based both on a higher average daily cash balance and increased interest rates. All indications are that the Federal Reserve will continue on its course of gradually raising interest rates as the overall economy continues to strengthen.

Other: Other revenues consist of rebates from the Self-Generation Incentive Program (SGIP) administered by the California Public Utilities Commission (CPUC) related to cogeneration.

SRF Loan Proceeds: Although the State Revolving Fund (SRF) has been, and will likely continue to be, an ongoing source of funding for District capital needs, no SRF loan proceeds are anticipated to be received in FY 2019.

EXPENDITURES: Expenditures in the Capacity Fund are anticipated to decrease 5.8% in comparison to the FY 2018 budget. This is attributable to decreased spending on capital projects, partially offset by increased debt service costs. Both of these items are discussed in more detail later in this document.

Capacity Fund Reserves: In FY 2019, approximately \$12.4 million is anticipated to be transferred to reserves. Because Capacity Fees are collected in accordance with AB 1600, they are subject to regulatory restriction. As a result, \$46,021,493 is restricted for use on capital projects that increase the District’s capacity to serve new development.

CAPITAL PROJECTS

Capital projects are accounted for in the Sewer Service Fund (Structural Renewal and Replacement [Fund 80]) and the Capacity Fund (Fund 90). The District adopts a 20-year Capital Improvement Plan (CIP) each year in conjunction with the adoption of the annual operating budget. Actual appropriations are established at 90% of the CIP amount for that year. Although spending for capital projects is anticipated to be lower in FY 2019 than in the prior year, it is expected to increase substantially in later years. Through FY 2028, the CIP includes projects totaling over \$463 million. By FY 2038, this amount will grow to \$751.5 million.

Below is information about capital projects spending for FY 2018 and FY 2019:

	Budget FY 2018	Estimated Actual FY 2018	Adopted Budget FY 2019	% Change
Sewer Service Fund – Structural Renewal and Replacement	\$6,660,000	\$5,756,870	\$ 6,142,500	(7.8)
Capacity Fund	3,420,000	2,821,170	3,150,000	(7.9)
Total Capital Projects	\$10,080,000	\$8,578,040	\$9,292,500	(7.8)

Key elements of the FY 2019 capital improvement program include *design* of the following projects:

- **Standby Power Generation System Upgrade** – The plant’s standby diesel generators are at the end of their useful lives, and the generator controls are obsolete and complicated to update and maintain. This project will replace the existing equipment with new generators and updated controls.
- **Alvarado Pump Station Pumps and VFD Replacement** – This project will replace the station’s wastewater pumps, variable frequency drives (VFDs), and electrical switchboard because they are at the end of their useful lives, and replacement parts are difficult to obtain because of lack of availability of original equipment and manufacturers’ support.
- **Digester No. 2 Inspection and Rehab** -This project will include inspection and analysis of the exact condition of existing Digester No.2 and provide design for rehabilitation of the structure to maintain existing solids handling capacity.
- **Thickener Mechanisms** – This project will replace the entire upper gear rotating assemblies of two of the 4 the gravity thickeners to maintain existing solids handling capacity.

- **Headworks 3rd Bar Screen** – This project will install a new mechanical bar screen at the Headworks Building to improve removal of debris from the wastewater prior to the plant’s downstream processes, and to restore capacity and redundancy of the system.

Key elements of the FY 2019 capital improvement program include **construction** of the following projects:

- **Force Main Corrosion Repairs, Phase 2** – The project consists of removing and replacing manways and appurtenances of air release valves, blow offs and access manways; welding new steel components; sandblasting and painting / coating existing and new components; implementing biological control measures / BMPs and site restoration; access improvements to three sites; and bollard improvements and other miscellaneous repairs throughout the District’s service area.
- **Digester No. 7** – The Plant Solids Capacity/Assessment Study identified a need for reliable solids capacity in the primary digester system and recommended the District construct new Primary Digester No. 7.
- **Digester No. 3 Rehab** – This project will make structural repairs to the digester and modify the digested sludge and digester gas systems serving the digester and the Heating and Mixing Building No. 2. These improvements will extend the useful life of the digester and improve the reliability and operation of the digester process.
- **Cast Iron/Pipe Lining at Various Locations throughout the Tri-Cities** – The project will install full-length cured-in-place pipe (CIPP) lining of damaged sewer mains at several locations in the District’s service area.

DEBT SERVICE

Debt service is related to capital projects and is accounted for in the Sewer Service Fund (Structural Renewal and Replacement [Fund 80]) and the Capacity Fund (Fund 90). The District has nine outstanding loans from the State Water Resources Control Board’s Clean Water State Revolving Fund (SRF). Details about debt service payments are presented below:

Related Project	Sewer Service Fund – Structural Renewal and Replacement		Capacity Fund		Total Debt Service – FY 2019	Maturity Date
	FY 2018	FY 2019	FY 2018	FY 2019		
Irvington Equalization	\$ 681,123	\$ 681,123	\$ 227,041	\$ 227,041	\$ 908,164	8/30/2023
Willow/Central Avenue	108,385	108,385	0	0	108,385	11/16/2027
Lower Hetch Hetchy	139,634	139,634	0	0	139,634	11/17/2028
Newark Pump Station	342,703	342,703	342,702	342,702	685,405	1/26/2030
Cedar Blvd. Corridor Rehab.	127,349	127,349	0	0	127,349	2/26/2030
Primary Clarifier Rehab.	442,337	442,337	147,446	147,446	589,783	1/15/2033
Substation 1	157,327	157,327	0	0	157,327	2/28/2032
Boyce Road Lift Station	205,532	205,532	205,532	205,532	411,064	8/31/2032
Thickener Control Building	581,227	581,227	193,742	193,742	774,969	3/31/2037
Total Debt Service	\$2,785,617	\$2,785,617	\$1,116,463	\$1,116,463	\$3,902,080	

Annual Contract Purchases of Supplies, Services, and Vehicle and Equipment Renewal /Replacement Over \$100,000 for Fiscal Year 2019	
	<i>Estimated Expenditure</i>
Supplies:	
Sodium Hypochlorite, one-year contract with successful bidder	\$703,000
Polymer, emulsion, one-year contract with successful bidder	543,000
Ferrous Chloride, one-year contract with successful bidder	453,000
Hydrogen Peroxide, one-year contract with Evoqua	419,000
Biogas Treatment, year two of two-year contract with Prominent Systems, Inc.	161,000
Total Supplies	\$2,279,000
Services:	
CalPERS Retirement contribution payments for employees	\$4,413,343
State Water Resources Control Board - Debt payments for nine SRF loans	3,902,080
CalPERS Medical - payments for employee coverage	3,436,502
EBDA Operations & Maintenance payments	1,581,000
PG&E, electrical service - Alvarado site (\$1,150,000) and Newark P.S. (\$227,000)	1,377,000
Biosolids, year three of five with Synagro	856,000
CalPERS Retiree Medical Trust payments (ARC)	626,089
Insurance (Property & Contents, Fleet, General Liability)	302,500
Tiger natural gas service, billed through PG&E	285,000
Musgraves Consulting LLC contract for Business Services	180,000
Cogen #1 30K service (Primarily parts)	150,000
Grit screening and disposal, one-year contract	150,000
Total Services	\$17,259,514
Vehicle and Equipment Renewal/Replacement:	
(5) Servers	\$220,000
(2) Force Main Repair Couplings	210,000
Cured In Place Pipe Kits	150,000
Trailer Mounted Pump	130,000
Total Vehicle and Equipment Renewal/Replacement	\$710,000

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Fund	%	Rank	Status	Project Name	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	10-Year Total	FY29	FY30	FY31	FY32	FY33	FY34	FY35	FY36	FY37	FY38	20-Year Total		
ADMINISTRATIVE FACILITIES																												
800		3		Additional CS (Vehicle) Storage					250						250											250		
800		1		Admin Bldg. Sesmic Upgrade and Leak Repairs		200	200				3,600	3,700			7,700											7,700		
900		1		Admin Bldg. Sesmic Upgrade and Leak Repairs											0											0		
800		1		Control Bldg. Sesmic Upgrade							200				200	1,300	1,400									2,900		
900		1		Control Bldg. Sesmic Upgrade											0											0		
800		1		Field Ops Bldg. Sesmic Upgrade and Leak Repairs							200		1,500	1,600	3,300											3,300		
900		1		Field Ops Bldg. Sesmic Upgrade and Leak Repairs											0											0		
800		2		FMC Bldg. - New		300	350	4,100	4,200						8,950											8,950		
900		2		FMC Bldg. - New											0											0		
800		2		FMC Bldg Renovation and Seismic		100	150			2,100					2,350											2,350		
800		3		FMC Storage						300					300											300		
800	0.75	2		Lab Remodel and Expansion											0	300	1,300	1,300								2,900		
900	0.25	2		Lab Remodel and Expansion											0	100	350	350								800		
800		3	Des/Constr	Plant Paving	250			250				300		200	1,000		200		200		200		200		200	2,000		
800		2		Radio Repeater Antenna Replacement											0	150										150		
800	0.50	3		Solar Panels at Alvarado - Phase II											0				100							100		
900	0.50	3		Solar Panels at Alvarado - Phase II			150	1,500							1,650				100							1,750		
800	0.50	2		Solar Panel Replacement at Carport			50								50			300								350		
900	0.50	2		Solar Panel Replacement at Carport			50								50			300								350		
800	0.50	2		Solar Panel Replacement at Irvington				150							150				900							1,050		
900	0.50	2		Solar Panel Replacement at Irvington				150							150				900							1,050		
Total for ADMINISTRATIVE FACILITIES					250	600	950	6,150	4,450	2,400	4,000	4,000	1,500	1,800	26,100	1,850	3,250	2,250	2,200	0	200	0	200	0	200	36,250		
Total Priority 1 Administrative Projects					0	200	200	0	0	0	4,000	3,700	1,500	1,600	11,200	1,300	1,400	0	0	0	0	0	0	0	0	0	13,900	
Total Priority 2 Administrative Projects					0	400	600	4,400	4,200	2,100	0	0	0	11,700	550	1,650	2,250	1,800	0	0	0	0	0	0	0	0	0	17,950
Total Priority 3 Administrative Projects					250	0	150	1,750	250	300	0	300	0	200	3,200	0	200	0	400	0	200	0	200	0	200	0	4,400	
Total Fund 800 - Administrative Facilities					250	600	750	4,500	4,450	2,400	4,000	4,000	1,500	1,800	24,250	1,750	2,900	1,600	1,200	0	200	0	200	0	200	32,300		
Total Fund 900 - Administrative Facilities					0	0	200	1,650	0	0	0	0	0	0	1,850	100	350	650	1,000	0	0	0	0	0	0	3,950		
COLLECTION SYSTEM																												
800		2	Constr	Cast Iron/Pipe Lining	500		500		500		500		500		2,500	500		500		500		500		500		5,000		
800		1	Predesign	Central Avenue Sanitary Sewer Relocation	100										100											100		
800		2		Gravity Sewer Rehab/Replacement		1,500		1,500		1,500		1,500		1,500	7,500		1,500		1,500		1,500		1,500		1,500	15,000		
800		1		RCP Sewer Rehab (Alvarado Basin)					300	3,000					3,300											3,300		
800		1		RCP Sewer Rehab (Irvington Basin)				300	3,000						3,300											3,300		
800		1		RCP Sewer Rehab (Newark Basin)		300		3,000							3,300											3,300		
900		3		Stevenson at Davis St.		150	1,000								1,150											1,150		
Total for COLLECTION SYSTEM					600	1,950	4,500	1,800	3,800	4,500	500	1,500	500	1,500	21,150	500	1,500	500	1,500	500	1,500	500	1,500	500	1,500	31,150		
Total Priority 1 Collection Projects					100	300	3,000	300	3,300	3,000	0	0	0	0	10,000	0	0	0	0	0	0	0	0	0	0	0	10,000	
Total Priority 2 Collection Projects					500	1,500	500	1,500	500	1,500	500	1,500	1,500	10,000	500	1,500	500	1,500	500	1,500	500	1,500	500	1,500	500	1,500	20,000	
Total Priority 3 Collection Projects					0	150	1,000	0	0	0	0	0	0	1,150	0	0	0	0	0	0	0	0	0	0	0	0	1,150	
Total Fund 800 - Collection System					600	1,800	3,500	1,800	3,800	4,500	500	1,500	500	1,500	20,000	500	1,500	500	1,500	500	1,500	500	1,500	500	1,500	1,500	30,000	
Total Fund 900 - Collection System					0	150	1,000	0	0	0	0	0	0	1,150	0	0	0	0	0	0	0	0	0	0	0	0	1,150	
TRANSPORT SYSTEM PROJECTS																												
800	0.50	2		Alameda Creek Crossing Lift Station											0	250		2,500	1,500							4,250		
900	0.50	2		Alameda Creek Crossing Lift Station											0	250		2,500	1,500							4,250		
800		2	Des/Constr	Cathodic Protection Improvements - Transport	150			150			150			150	600			150			150			150		1,050		
900		2		Cathodic Protection Improvements - Transport											0											0		
800	0.50	1	Predesign	Cherry St. PS	75	225	600	600							1,500											1,500		
900	0.50	1		Cherry St. PS	75	225	600	600							1,500											1,500		
900		2		Equalization Storage @ Alvarado				1,700	4,250						6,000											6,000		
900		2	Predesign	Equalization Storage @ Irvington	50										50		400	4,000								4,450		
900		2	Predesign	Equalization Storage @ Newark	100	500	2,500	2,500							5,600											5,600		
800		1	Constr	Forcemain Corrosion Repairs - Phase 2	1,000										1,000											1,000		
800		1	Design	Forcemain Corrosion Repairs - Phase 3	75	1,000									1,075											1,075		
800		1		Forcemain Corrosion Repairs - Phase 4		75	1,000								1,075											1,075		
800		3		Forcemain Lining											0			1,000	13,000	13,000	13,000	13,000				53,000		

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800		3	Planning	Hayward Marsh Equipment Removal		100	1,000								1,100											1,100		
800	0.50	2		Irvington PS Pumps and VFDs					200	1,200	1,200				2,600											2,600		
900	0.50	2		Irvington PS Pumps and VFDs					200	1,200	1,200				2,600											2,600		
800	0.50	2	Predesign	Newark and Irvington PS Chemical System Imprc	25			75	500	100					700											700		
900	0.50	2	Predesign	Newark and Irvington PS Chemical System Imprc	25			75	500	100					700											700		
800		2	Des/Constr	Newark Plant Site Security	100										100											100		
800	0.50	2		Newark PS Pumps and VFDs							300	675	2,025		3,000											3,000		
900	0.50	2		Newark PS Pumps and VFDs							300	675	2,025		3,000											3,000		
800		3		Pump Station Asset Condition Assessment R&R		400			2,300		6,800	800	175		10,475		5,000					100	8,000	8,200	550	32,325		
800		3		Transport System Misc. Projects		250	250	250	250	250	250	250	250	250	2,250	250	250	250	250	250	250	250	250	250	250	4,750		
900		3		Transport System Misc. Projects											0											0		
800	0.50	1	Planning	Wet Weather Flow Management	1,175	500	300	2,500	2,075						6,550											6,550		
900	0.50	1	Planning	Wet Weather Flow Management	1,175	500	300	2,500	2,075						6,550											6,550		
Total for TRANSPORT SYSTEM PROJECTS					4,025	3,775	6,600	10,950	12,350	2,850	10,200	2,400	4,475	400	58,025	750	5,650	10,400	16,250	13,250	13,400	13,350	8,250	8,600	800	148,725		
Total Priority 1 Transport Projects					3,575	2,525	2,800	6,200	4,150	0	0	0	0	0	19,250	0	0	0	0	0	0	0	0	0	0	0	19,250	
Total Priority 2 Transport Projects					450	500	2,550	4,500	5,650	2,600	3,150	1,350	4,050	150	24,950	500	400	9,150	3,000	0	150	0	0	150	0	0	38,300	
Total Priority 3 Transport Projects					0	750	1,250	250	2,550	250	7,050	1,050	425	250	13,825	250	5,250	1,250	13,250	13,250	13,250	13,250	13,350	8,250	8,450	800	91,175	
Total Fund 800 - Transport System					2,600	2,550	3,150	3,575	5,325	1,550	8,700	1,725	2,450	400	32,025	500	5,250	3,900	14,750	13,250	13,400	13,350	8,250	8,600	800	114,075		
Total Fund 900 - Transport System					1,425	1,225	3,450	7,375	7,025	1,300	1,500	675	2,025	0	26,000	250	400	6,500	1,500	0	0	0	0	0	0	0	0	34,650
TREATMENT PROJECTS																												
800		2		30" ML Pipe Lining				100	550						650											650		
800	0.50	2		Aeration Blowers 7-9 Replacement					100	1,250	1,500				2,850											2,850		
900	0.50	2		Aeration Blowers 7-9 Replacement					100	1,250	1,500				2,850											2,850		
900		2	Design	Aeration Blower 11 (High Speed)	100	1,500									1,600											1,600		
800	0.50	2		Aeration Internal Lift Pumps					100	1,500					1,600											1,600		
900	0.50	2		Aeration Internal Lift Pumps					100	1,500					1,600											1,600		
900		1	Planning	Aeration Tank (East) Baffling and Improvements		2,500	2,600	800							5,900											5,900		
800		1		Aeration Tank (East) Roof		1,050	1,600	500							3,150											3,150		
800	0.50	2	Design	Alvarado Influent PS Improvements	375	1,225	1,600								3,200											3,200		
900	0.50	2	Design	Alvarado Influent PS Improvements	375	1,225	1,600								3,200											3,200		
800		2		Alvarado Influent Valve Box Gate Valves 1-2		300									300											300		
800		3		Blower Bldg Channel Blower Demo & Repl				300							300											300		
900		3		Blower Bldg Channel Blower Demo & Repl				300							300											300		
800		2		Blower Bldg (East) Ventilation Improvements											0											0		
800		2	Des/Constr	Cathodic Protection Improvements - Plant		150		150		150		150		150	750		150		150		150		150		150	1,500		
900		2		Cathodic Protection Improvements - Plant											0											0		
800		2		Centrifuge Building Sludge Loadout Room Extension		200									200											200		
900		2		Centrifuge Building Sludge Loadout Room Extension											0											0		
800		2		Centrifuge Building Water Lines Replacement			200								200											200		
900		2		Centrifuge Building Water Lines Replacement											0											0		
800	0.50	2	Predesign	Centrifuge Conveyance	100	150	1,100	1,100	500						2,950											2,950		
900	0.50	2	Predesign	Centrifuge Conveyance	100	150	1,100	1,100	500						2,950											2,950		
800	0.50	2		Centrifuge Replacement				300		1,550	1,600	850			4,300											4,300		
900	0.50	2		Centrifuge Replacement				300		1,550	1,600	850			4,300											4,300		
800		3		Co-Digestion											0											0		
900		3		Co-Digestion											0											0		
800	0.50	1	Planning	Cogen Building Ventilation	25										25											25		
900	0.50	1	Planning	Cogen Building Ventilation	25										25											25		
800	0.50	1		Cogen Engine No. 1 Block Replacement				250						300	550						375					925		
900	0.50	1		Cogen Engine No. 1 Block Replacement				250						300	550						375					925		
800	0.50	1		Cogen Engine No. 2 Block Replacement		250						250			500			350						425		1,275		
900	0.50	1		Cogen Engine No. 2 Block Replacement		250						250			500			350						425		1,275		
800	0.50	2	Des/Constr	Cogen Natural Gas and Power Meters	25	125									150											150		
900	0.50	2	Des/Constr	Cogen Natural Gas and Power Meters	25	125									150											150		
800	0.50	2		Cogen Retrofit							50	650			700											700		
900	0.50	2		Cogen Retrofit							50	650			700											700		
800		2		Contact Tank Improvements											0		500	4,000	4,000							8,500		
800		2	Predesign	Control Box No. 1 Improvements	100	400	1,600	1,600							3,700											3,700		

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900		2	Des/Constr	Degritter Building 2W Pipeline	50									50											50
800		2		Degritter Building Roof (Seismic) Replacement										0	500	3,000	1,700								5,200
800	0.50	2		Degritters 1 and 2 Replacement						200	800	1,000		2,000											2,000
900	0.50	2		Degritters 1 and 2 Replacement						200	800	1,000		2,000											2,000
900		2		Degritter No. 4			200	600	1,050					1,850											1,850
800		3		Diffuser Replacement					600					600	950	750						1,200	950		4,450
900		3		Digester Additional Capacity								1,000	1,050	2,050	3,950	12,250	4,250				850	850	3,650	15,200	43,050
800		2		Digester Inspection and Rehab			100	100	100	200	150	150	150	1,100	150	250	200	200	200	200	200	300	250	250	3,300
800		1	Design	Digester No. 2 Insp & Rehab	200	1,800								2,000											2,000
800		1	Constr	Digester No. 3 Insp & Rehab	300									300											300
900		1	Des/Constr	Digester No. 7	1,000	6,450	6,450	1,600						15,500											15,500
800	0.50	2	Design	Emergency Outfall Outlet Improvements	75	500	150							725											725
900	0.50	2	Design	Emergency Outfall Outlet Improvements	75	500	150							725											725
900		1	Design	Headworks 3rd Bar Screen	150	1,250	100							1,500											1,500
800		2		Headworks Gates										0	500	3,500									4,000
800		2		Headworks Bar Screens 1-2 Replacement			300	2,000	1,000					3,300											3,300
800		2		MCC Replacement		150	150	100	1,000				150	1,550	500										2,050
800		2		Misc. Electrical Equipment Upgrade		500		500		500		1,000	500	3,000		500		500		500		500			5,000
800		2		Misc. Projects		300	300	300	300	300	300	300	300	2,700	300	300	300	300	300	300	300	300	300	300	5,700
800	0.50	3		Nutrient Removal							2,000	4,500	17,000	16,000	39,500	14,000									53,500
900	0.50	3		Nutrient Removal							2,000	4,500	17,000	16,000	39,500	14,000									53,500
900		2		Nutrient Sidestream Removal			850	1,600	5,000	1,700				9,150											9,150
800		2	Planning	Odor Scrubber System Improvements	100			550	5,500		600	6,000		12,750				600	6,000	8,500		9,100	9,400		46,350
900		2		Odor Scrubber System Improvements										0											0
800		2		Plant Asset Condition Assessment R&R		700	1,200	2,900	850	5,600	1,700	6,100		19,050		1,050	2,400		2,500		2,750		4,500		32,250
900		2		Plant Asset Condition Assessment R&R										0											0
800		2		Plant 12kV Switchgear						700	3,500			4,200											4,200
900		2		Plant 12kV Switchgear										0											0
800		2		Plant 5kV Switchgear						700	2,800			3,500											3,500
900		2		Plant 5kV Switchgear										0											0
800	0.50	2		Plant Fiber Optic Network		50	150			75	500			775											775
900	0.50	2		Plant Fiber Optic Network		50	150			75	500			775											775
800		2	Des/Constr	Plant Grating Replacement	100									100											100
900		2		Plant Grating Replacement										0											0
800		2		PLC Replacement			200					250		450	300				350				400		1,500
800		1		Primary Clarifier (1 - 4) Sismic Upgrade			350	2,100	2,200					4,650											4,650
900		1		Primary Clarifier (1 - 4) Sismic Upgrade										0											0
800	0.75	2		Primary Clarifier Rehab (5-6)							750	4,125	4,125	9,750											9,750
900	0.25	2		Primary Clarifier Rehab (5-6)							250	1,375	1,375	3,250											3,250
800	0.50	2	Constr	RAS Control Interim Improvements	50									50											50
900	0.50	2	Constr	RAS Control Interim Improvements	50									50											50
800	0.50	2		RAS PS Pumps Replacement										0											0
900	0.50	2		RAS PS Pumps Replacement										0											0
800		3		Reclaimed Water Plant										0											0
900		3		Reclaimed Water Plant										0											0
800		2		Rehabilitation of Structures		200	200	200	200	200	200	200	200	1,800	200	200	200	200	200	200	200	200	200	200	3,800
800	0.75	2		Sec. Clarifiers No. 5 and 6 Rehabilitation										0											0
900	0.25	2		Sec. Clarifiers No. 5 and 6 Rehabilitation										0											0
800	0.50	1	PreDesign	Secondary Treatment Cap. Improv - Design	125	875								1,000											1,000
900	0.50	1	PreDesign	Secondary Treatment Cap. Improv - Design	125	875								1,000											1,000
800	0.50	3	Des/Constr	Secondary Treatment Cap. Improv - Construction			8,500	8,500	8,250	3,500				28,750											28,750
900	0.50	3	Des/Constr	Secondary Treatment Cap. Improv - Construction			8,500	8,500	8,250	3,500				28,750											28,750
800		2		Seismic Retrofit of Conc. Structures				200	2,000	300	3,000	300	3,000	9,100	3,000	300	3,000	300	3,000	300	3,000	300	3,000	3,000	25,600
900		2		Seismic Retrofit of Conc. Structures										0											0
800	0.50	2		Site Drainage Improvements					200	2,300				2,500											2,500
900	0.50	2		Site Drainage Improvements					200	2,300				2,500											2,500
800	0.50	2		Sludge Recirculation Pump Replacement			100	75						175				100							275
900	0.50	2		Sludge Recirculation Pump Replacement			100	75						175				100							275

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800		2	Design	Standby Power Generation System Upgrade	1,500	11,000	11,000	3,000							26,500	500	4,500										31,500
800		2		Switchboard 3 Replacement				50	300						350												350
900		2		Switchboard 3 Replacement											0												0
800		2		Switchboard 4 Replacement					50	325					375												375
900		2		Switchboard 4 Replacement											0												0
800		2	Design	Thickener Mechanisms	200	2,000									2,200						300	3,000					5,500
900		2	Design	Thickener Mechanisms											0												0
800		2		Truck Scales Improvements		150									150												150
800		1	Pre-design	WAS Thickeners	100	3,000	4,400	500							8,000												8,000
800	0.50	2		Water Storage Tank											0	25	600										625
900	0.50	2		Water Storage Tank											0	25	600										625
900		3		Waste Recycling and Alternative Energy						500	5,000				5,500												5,500
Total for TREATMENT					5,450	39,950	55,600	40,100	41,800	28,425	26,900	39,200	44,150	36,400	357,975	37,900	22,950	20,850	8,850	12,550	11,200	10,300	12,900	15,450	24,450	535,375	
Total Priority 1 Treatment Projects					2,050	18,300	15,500	6,000	2,200	0	0	500	0	600	45,150	0	0	0	700	0	750	0	0	0	850		47,450
Total Priority 2 Treatment Projects					3,400	21,650	22,500	17,100	22,500	21,425	22,400	24,700	9,150	2,750	167,575	5,000	9,950	16,600	8,150	12,550	10,450	9,450	10,850	10,850	8,400		269,825
Total Priority 3 Treatment Projects					0	0	17,600	17,000	17,100	7,000	4,500	14,000	35,000	33,050	145,250	32,900	13,000	4,250	0	0	0	850	2,050	4,600	15,200		218,100
Total Fund 800 - Treatment Plant					3,375	25,075	33,500	25,175	25,200	17,850	19,700	25,575	24,775	18,800	219,025	19,925	10,100	16,600	8,400	12,550	10,825	9,450	12,050	11,800	8,825		339,550
Total Fund 900 - Treatment Plant					2,075	14,875	22,100	14,925	16,600	10,575	7,200	13,625	19,375	17,600	138,950	17,975	12,850	4,250	450	0	375	850	850	3,650	15,625		195,825
GRAND TOTAL					10,325	46,275	67,650	59,000	62,400	38,175	41,600	47,100	50,625	40,100	463,250	41,000	33,350	34,000	28,800	26,300	26,300	24,150	22,850	24,550	26,950	751,500	
TOTAL PRIORITY 1 PROJECTS					5,725	21,325	21,500	12,500	9,650	3,000	4,000	4,200	1,500	2,200	85,600	1,300	1,400	0	700	0	750	0	0	0	850		90,600
TOTAL PRIORITY 2 PROJECTS					4,350	24,050	26,150	27,500	32,850	27,625	26,050	27,550	13,700	4,400	214,225	6,550	13,500	28,500	14,450	13,050	12,100	9,950	12,350	11,500	9,900		346,075
TOTAL PRIORITY 3 PROJECTS					250	900	20,000	19,000	19,900	7,550	11,550	15,350	35,425	33,500	163,425	33,150	18,450	5,500	13,650	13,250	13,450	14,200	10,500	13,050	16,200		314,825
FUND 800 - Structural Renewal & Replacement					6,825	30,025	40,900	35,050	38,775	26,300	32,900	32,800	29,225	22,500	295,300	22,675	19,750	22,600	25,850	26,300	25,925	23,300	22,000	20,900	11,325		515,925
FUND 900 - Capacity					3,500	16,250	26,750	23,950	23,625	11,875	8,700	14,300	21,400	17,600	167,950	18,325	13,600	11,400	2,950	0	375	850	850	3,650	15,625		235,575

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Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

DATE: June 13, 2018

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Karen W. Murphy, District General Counsel
Leah Castella, District Special Counsel

SUBJECT: Agenda Item No. 14 - Meeting of June 25, 2018
Review and Consider Options regarding the East Bay Dischargers Authority (EBDA) JPA

Recommendation

Staff recommends the Board review options regarding the EBDA JPA and provide direction.

Background

The East Bay Dischargers Authority is a Joint Powers Authority (the "JPA") of which Union Sanitary District is currently a member. The JPA was formed in 1974 by a "Joint Exercise of Powers Agreement" (the "JPA Agreement") entered into by the City of Hayward, City of San Leandro, Oro Loma Sanitary District, Union Sanitary District, and Castro Valley Sanitary District. The JPA currently provides a transport system and outfall to collect effluent from six (6) wastewater treatment plants in the East Bay, including two non-member agencies (DSRSD and Livermore, collectively LAVWMA). East Bay Dischargers Authority transports treated wastewater and removes chlorine prior to its discharge through a deep-water outfall to the San Francisco Bay.

The JPA Agreement has been amended three times since its creation in 1974. Amendments were approved in 1978, 1986, and 2007. As the current JPA Agreement is set to expire in January of 2020, discussions and negotiations have been taking place over the last few years to develop deal points and a framework for a renewed agreement.

At the regularly scheduled Board meeting of March 26, 2018, the USD Board of Directors reviewed the hydraulic model prepared by EBDA and provided direction on the JPA Agreement negotiations to staff. The Board directed staff to maintain the current USD capacity in the EBDA system and directed that any cost allocation / system capacity modifications in the JPA should be cost neutral for USD.

Subsequent to this March 26th Board meeting, member agencies have continued to meet and discuss the proposed JPA Agreement amendments. One option that was recently proposed by another agency was a 5-year extension of the current agreement. This option warranted consideration by the USD Board.

Next Steps

USD staff is requesting the Board review the following options and provide direction on how to proceed with the JPA Agreement negotiations.

Options:

1. Support the five-year extension and direct staff to pursue this option.
2. Support the JPA Agreement extension, but direct staff to pursue an alternate time frame (i.e. longer or shorter than 5 years)
3. No change to current USD position and direct staff to continue negotiating the JPA Agreement.



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

Karen W. Murphy
Attorney

DATE: June 19, 2018

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Sami E. Ghossain, Manager of Technical Services
Raymond Chau, CIP Coach
Andrew C. Baile, Assistant Engineer

SUBJECT: Agenda Item No. 15 - Meeting of June 25, 2018
Authorize the General Manager to Execute Task Order No. 2 with Woodard & Curran, Inc. for the Newark Basin Sewer Master Plan Update

Recommendation

Staff recommends the Board authorize the General Manager to execute Task Order No. 2 in the amount of \$234,070 with Woodard & Curran, Inc. (WC) for the Newark Basin Sewer Master Plan Update.

Background

In 2000, the District developed the Newark Basin Sewer Master Plan. This study was focused primarily on the collection system within the Newark Basin, see Figure 1. The goal of the master plan was to develop a long-term capital improvement program that will provide for adequate hydraulic capacity in the sewer system as well as address maintenance and structural problems. The study has been updated twice since then, in 2006 and 2012.

Currently, television inspection of all sewers in the District service area is performed on a six-year cycle. Accordingly, a separate master plan update is performed every six years coincide with this cycle. The last Newark Basin Master Plan update was completed in 2012 and is due for an update.

On January 8, 2018, staff executed an agreement and Task Order No. 1 in the amount of \$69,650 with WC to update the condition assessment of the Newark Basin gravity sewer collection system

based on the latest television inspection data for sewers in the basin and other data relating to sewer pipeline assets, maintenance frequency, and service area characteristics. The Task Order No. 1 scope of services is currently in progress and is anticipated to be completed by fall 2018. The findings and recommendations from the condition assessment will be included in the Sewer Master Plan Update Report that will be prepared under Task Order No. 2.

Task Order No. 2

The purpose of Task Order No. 2 is to:

- Update and expand the hydraulic model for the Newark Basin collection system from the 2012 Newark Basin Sewer Master Plan using the District’s latest GIS and customer billing data. The model shall be expanded to include all pipes in the collection system, not just the trunk sewers.
- Calibrate the hydraulic model using the latest wet weather flow monitoring data. Wet weather flow monitoring shall be conducted over the 2018-2019 wet weather season.
- Identify capacity deficiencies and potential solutions to correct these deficiencies.
- Develop and prioritize capital improvement projects in an updated sewer master plan report.
- Incorporate the sewer condition assessment based on the updated risk model developed as part of Task Order No. 1. The condition assessment results shall be summarized in a chapter of the Newark Basin Sewer Master Plan Update report.
- Prepare the Newark Basin Sewer Master Plan Update report.

The scope of services and fees of Task Order No. 2 are summarized below:

TASK	DESCRIPTION	AMOUNT
1	Review Existing Information and Interview Staff	\$5,420
2	Wet Weather Flow Monitoring – Monitoring program will include 15 flow meters on major trunk sewers and 3 rain gauges installed in the Basin for 60 days	\$75,680
3	Update Land Use Data – Defines the planning area and planning horizon for the Basin, which includes coordination with staff of the Cities of Newark and Fremont	\$31,460
4	Modeling and Capacity Analysis – Existing hydraulic model of the Basin will be updated and calibrated per the flow monitoring data and the land use and billing data collected. Hydraulic model will be used to analyze capacity requirements and evaluate alternatives for correcting capacity deficiencies.	\$65,360

TASK	DESCRIPTION	AMOUNT
5	Develop CIP for Capacity Improvements – Develop recommended sewer improvement projects and probable project costs to address the capacity deficiencies identified in Task 4.	\$23,700
6	Prepare Sewer Master Plan Update Report	\$23,160
7	Project Management and Coordination	\$9,290
TOTAL NOT-TO-EXCEED AMOUNT		\$234,070

The scope of services and fees are similar to the effort in the 2012 Newark Basin Master Plan Update. For the proposed Task Order No. 2, there will be a couple of key changes in the scope of services from the 2012 update.

One key change is the fee for the Wet Weather Flow Monitoring task includes three additional flow meters and one additional rain gauge from the 2012 update. The reason for the additional flow meters and rain gauge is due to the new Midtown District development – bordered by Fremont Boulevard, Mowry Avenue, Paseo Padre Parkway, and Walnut Avenue in the City of Fremont – that will likely affect the capacity of the area’s sewers.

The other key change is the Modeling and Capacity Analysis task will include the entire piping network of the Basin, which is completely unprecedented for the District. Previous basin master plans analyzed data on the Basin sewer mains that are 12-inches in diameter and larger. The information provided in the GIS data on every pipeline and sewer manhole will be included to model the Basin’s entire network of pipes. Analyzing the entire network will require additional effort to ensure accurate data upload and verification, but it will provide the most accurate snapshot of the Newark Basin’s hydraulic capacity and storage capabilities.

The task order amounts for the Project’s agreement with WC are summarized in the table below:

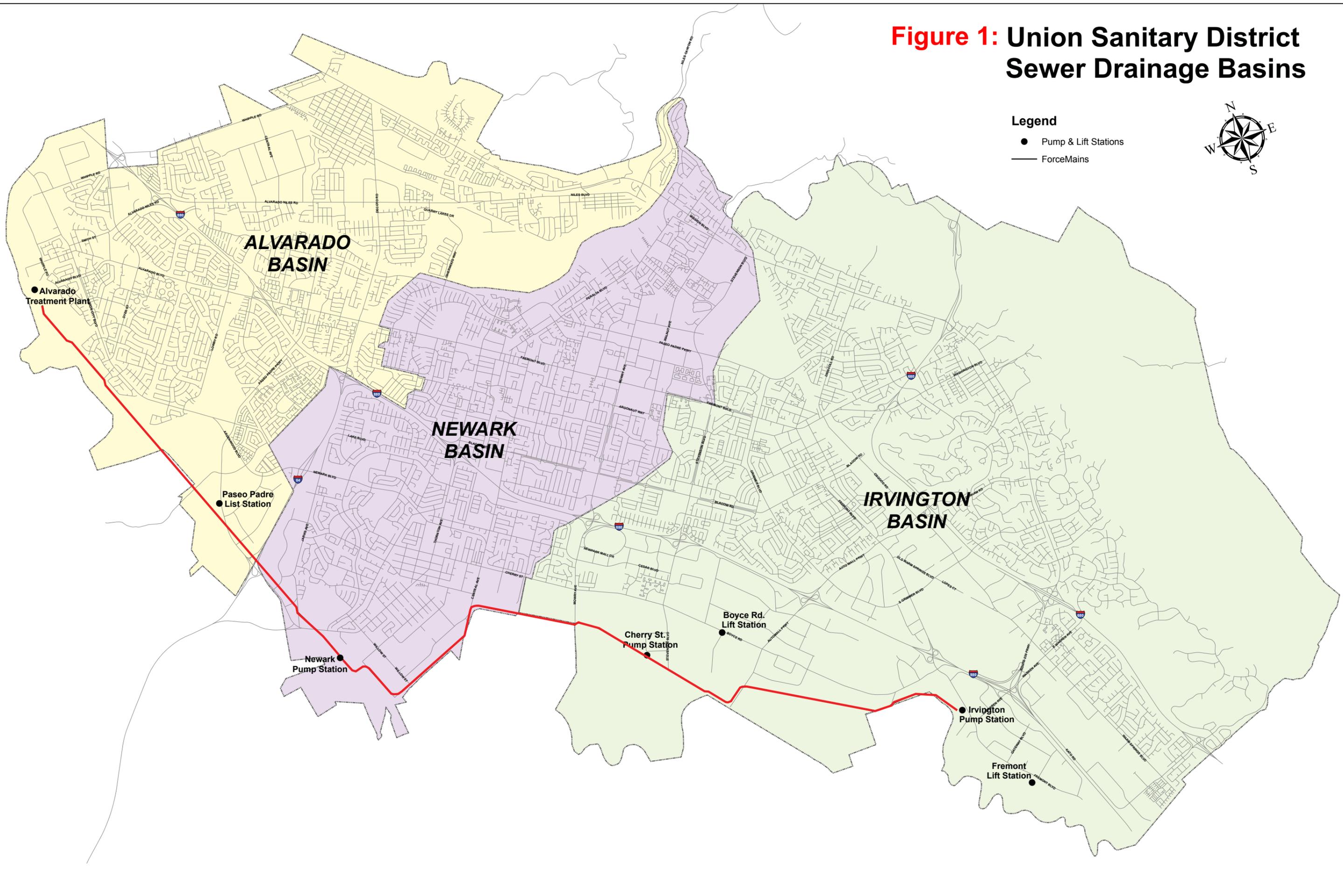
TASK ORDER	Not to Exceed Amount	Board Authorization Required?	District Staff Approval
Task Order No. 1 – Condition Assessment	\$69,650	No	Paul R. Eldredge
Task Order No. 2 – Capacity Assessment	\$234,070	Yes	Paul R. Eldredge
Total	\$303,720		

Staff anticipates the study to be completed by fall 2019.

PRE/SEG/RC/ACB;dl

Attachment: Figure 1 – Sewer Drainage Basins Map
Task Order No. 2

Figure 1: Union Sanitary District Sewer Drainage Basins



NEWARK BASIN SEWER MASTER PLAN UPDATE

TASK ORDER NO. 2

to

**AGREEMENT BETWEEN
UNION SANITARY DISTRICT
AND
WOODARD & CURRAN, INC.
FOR
PROFESSIONAL SERVICES**

Dated January 8, 2018

1. PURPOSE

The purpose of this Task Order No. 2 is to:

- 1) Update and expand the hydraulic model for the Newark Basin collection system from the 2012 Newark Basin Sewer Master Plan using the District's latest GIS and customer billing data. The model shall be expanded to include all pipes in the collection system, not just the trunk sewers.
- 2) Calibrate the hydraulic model using the latest wet weather flow monitoring data. Wet weather flow monitoring shall be conducted as part of this task order over the 2018-2019 wet weather season.
- 3) Identify capacity deficiencies and potential solutions to correct these deficiencies.
- 4) Develop and prioritize capital improvement projects in an updated sewer master plan report.
- 5) Incorporate the sewer condition assessment based on the updated InfoMaster™ risk model developed as part of Task Order No. 1. The condition assessment results shall be summarized in a chapter of the Newark Basin Sewer Master Plan Update report.
- 6) Prepare the Newark Basin Sewer Master Plan Update report.

2. PROJECT COORDINATION

All work related to this task order shall be coordinated through the District's Project Manager, Andrew Baile.

3. SCOPE OF SERVICES

The Scope of Services includes the following tasks.

Task 1 – Review Existing Information and Interview Staff

In this task, available data and documents relevant to the study will be compiled and reviewed, and interviews will be conducted with District staff members familiar with the planning, design, operation, and performance of the collection system, and with the various relevant databases to be utilized in this study.

Subtask 1.1 - Compile and Review Existing Data and Documents. The DISTRICT will provide available pertinent information for the ENGINEER's use in the study, including the following:

- Latest District block book maps, sewer (pipes and manholes) and base map (streets, highways, railroads, water bodies, etc., as available) GIS files, including relevant attribute data, and digital orthophotography for the Newark Basin.
- GIS parcel files and customer billing data (MS Excel or MS Access format) by parcel.
- Reports and plans for any trunk sewer projects in the Newark Basin completed since the last update of the hydraulic model (and not included in the GIS files), currently under design or construction, or planned for construction in the near future.
- Recent flow data in electronic format for the Newark Pump Station and any other recent flow monitoring studies conducted in the Newark Basin.

The ENGINEER shall review the information for applicability to the tasks in the study.

Subtask 1.2 - Conduct Interviews with DISTRICT Staff. The ENGINEER shall conduct an interview session (approximately 2 hours) with selected members of the District's Technical Services and Collection Services Work Groups to obtain additional information that may not be contained in the data and documents collected in Subtask 1.1 and to identify problem areas in the Newark Basin based on their field experience in the collection system. The interview session will be held in conjunction with the project kickoff meeting. The kickoff meeting attended by DISTRICT staff and the ENGINEER project team shall be held to review the project scope and schedule and discuss key issues and the respective roles and responsibilities of all team members. Additional discussions shall also be held as necessary with DISTRICT staff responsible for maintaining the GIS and billing databases to address any questions related to use of these databases for the project.

Task 2 – Flow Monitoring

In this task, a wet weather flow monitoring program shall be conducted in the Newark Basin to obtain data to verify design flow criteria and calibrate the hydraulic model. The monitoring program shall consist of fifteen (15) flow meters on major trunk sewers and three (3) rain gauges installed in the Basin for a period of sixty (60) days. The date for the start of flow monitoring shall be determined jointly by the ENGINEER and DISTRICT and shall depend on weather patterns in the 2018/19 winter season. It is anticipated that the flow meters and rain gauges shall be installed in December 2018 or January 2019. If sufficient rainfall events do not occur during the 60-day monitoring period, then the DISTRICT may authorize extension of the monitoring in two-week increments by amendment to this Task Order.

Subtask 2.1 – Prepare Flow Monitoring Plan. The ENGINEER shall utilize the existing GIS and model of the existing Newark Basin trunk sewer system to identify proposed flow monitoring locations. The ENGINEER shall submit the proposed flow monitoring plan for approval by the DISTRICT prior to the start of flow monitoring.

Subtask 2.2 – Conduct Flow Monitoring. The ENGINEER shall subcontract with an experienced flow monitoring firm for conducting the flow monitoring work. The flow monitoring shall utilize depth-velocity type portable flow meters and continuous recording tipping bucket rain gauges. The ENGINEER's flow monitoring subcontractor shall be responsible for providing, installing, monitoring, and retrieving all flow and rainfall monitoring equipment, including meters and gauges, mounting devices, portable velocity meter, and equipment needed for confined space entry and traffic control; and for obtaining necessary encroachment permits from the DISTRICT and cities for performing the flow monitoring work.

Prior to meter installation, the ENGINEER's flow monitoring subcontractor shall conduct a field reconnaissance to verify the suitability of the proposed sites for meter installation. Any sites deemed unsuitable due to safety, access, or hydraulic conditions shall be discussed with the DISTRICT and an alternative site identified. The flow monitoring subcontractor shall install the flow meters at the approved locations, obtain field calibration measurements on at least two additional occasions during the flow monitoring period, interrogate the meters and gauges weekly, and remove the meters and gauges at the end of the flow monitoring period.

The interrogated meter and rain gauge data shall be collected in electronic format for processing and analysis.

It should be noted that an outgoing 12-inch sewer at manhole S15014 (Moores Avenue at the Hetch Hetchy right-of-way) was plugged during the flow monitoring period for the 2012 Master Plan update. This 12-inch sewer serves as an overflow point into the Irvington Basin.

DISTRICT shall plug the same manhole to ensure all Newark Basin flows stay in the basin during the flow monitoring period.

Task 3 – Update Land Use Data

This task shall define the planning area and planning horizon for the Sewer Master Plan Update and update the land use database (existing and projected land uses) for the sewer system model.

Subtask 3.1 – Compile Planning Documents and Meet with City Planning Staff. The ENGINEER shall meet with the planning staff of the Cities of Newark and Fremont to obtain relevant planning documents and to discuss land use planning issues and the basis for the land use projections in the Newark Basin, and to identify areas where more specific information may be available, such as planned developments with estimated numbers of housing units. The projected timing of new development will also be discussed with City planning staff to provide input for sewer improvement project phasing.

Subtask 3.2 - Update Basin Service Area Boundary and Land Use Mapping. The ENGINEER shall delineate the ultimate service area boundary for the Newark Basin based on the discussions with Cities of Newark and Fremont staff. The ENGINEER shall develop GIS mapping showing projected future land uses (new development and redevelopment) based on the information provided by the cities.

Subtask 3.3 – Develop Model Loads. The ENGINEER shall compile existing data from the parcel GIS and customer billing databases and link these sources of information to develop a database that can be used as the basis for computing existing wastewater flows for the hydraulic model. The DISTRICT shall provide parcel GIS data in ArcGIS format and relevant information from the billing database (e.g., APN, user type, number of units, water use) in a format that ENGINEER can use to link this data to the parcel GIS. The ENGINEER shall conduct basic validation of the linked databases, e.g., to identify non-matching parcels and missing data, and generate exceptions lists for DISTRICT review. The DISTRICT shall be responsible for rectifying any discrepancies found between the databases. The ENGINEER shall then convert the billing data to a “flow-equivalent population” for each parcel. The future equivalent population for currently vacant parcels or parcels that may be redeveloped shall be determined based on the GIS land use mapping developed in Subtask 3.2. Each parcel shall then be mapped to the receiving sewer.

The ENGINEER shall update the table of point dischargers (large users) based on information on wastewater volume in the billing database. Through discussions with DISTRICT and city planning staff, the ENGINEER shall identify possible changes in flows for large users or potential new large users (industries or institutions). In general, large users shall include users with average flows greater than about 20,000 gallons per day.

The ENGINEER shall provide a table of parcels included in the District's Newark Basin and their corresponding assessor's parcel number (APN), existing land use classification, existing unit flow factor, and estimated existing wastewater flows. A second table shall be provided listing future developments and their corresponding APN, proposed land use classification, future unit flow factor, and estimated future wastewater flows. These tables shall be provided as an Appendix in the Sewer Master Plan Update Report (Task 5).

Task 4 – Modeling and Capacity Analysis

In this task, the existing hydraulic model of the Newark Basin shall be updated, and the model shall be calibrated using the flow monitoring data collected as part of Task 2 and the billing and land use data developed in Task 3. The hydraulic model shall then be used to analyze the capacity requirements of the trunk sewer system and evaluate alternatives for correcting capacity deficiencies.

Subtask 4.1 - Update and Expand Modeled System. The ENGINEER shall update and expand the Newark Basin model developed in the 2012 Master Plan Update. The updated model shall include all sewers in the Basin and not just the trunk sewers. The model network shall be recreated in InfoWorks™ ICM by importing data from the District's current sewer GIS (pipe and manhole coverages). Any completed trunk sewer projects that have not yet been incorporated into GIS shall be added to the model based on as-built drawings provided by the DISTRICT.

The ENGINEER shall conduct validation of the pipe and manhole data to identify missing or suspect data. Data problems shall be resolved to the extent possible by comparison to the previous model network database or through available as-built drawings. ENGINEER shall notify the DISTRICT of missing or suspect data. The ENGINEER shall provide a list of locations to be field verified by the DISTRICT (e.g., flow split locations). The DISTRICT shall conduct any field investigations that may be needed to resolve network questions

Subtask 4.2 – Calibrate Model. The ENGINEER shall calibrate the hydraulic model by comparing model simulations with actual flow monitoring data for dry and wet weather conditions. ENGINEER shall use calibration to dry weather flows to refine base wastewater unit flow rates, dry weather diurnal curves, and groundwater infiltration rates. Calibration to wet weather flows shall be used to adjust parameters used for simulating rainfall-dependent infiltration/inflow flows. The ENGINEER shall compare model results with problem areas (e.g., surcharge conditions during wet weather events) identified by DISTRICT Collection Services staff. Once the ENGINEER calibrates the model to existing conditions, it shall be ready to use for simulating design storm conditions and future scenarios.

Subtask 4.3 – Conduct Model Runs for Existing Trunk System and Identify Capacity Deficiencies. The ENGINEER shall run the model to identify capacity deficiencies and resulting hydraulic gradeline elevations in the existing Newark Basin sewer system under existing and

buildout dry and wet weather flow conditions. The design wet weather event shall be defined based on the same methodology as used for the 2017 Alvarado Basin Sewer Master Plan Update.

Subtask 4.4 – Identify Potential Solutions for Capacity Deficiencies and Refine Solutions Model. Based on the model runs, the ENGINEER shall develop potential solutions to the identified capacity deficiencies. Solutions may include upsizing or paralleling existing sewers or diverting flow to other trunk sewers with excess capacity. The solutions model shall be refined to include these solutions, and the model shall be run to verify that the proposed solutions will effectively correct the capacity deficiencies.

Task 5 – Develop CIP for Capacity Improvements

This task shall use the results of the previous tasks to develop a capital improvement program (CIP) for needed capacity improvements in the Newark Basin.

Subtask 5.1 – Develop Sewer Improvement Projects. The ENGINEER shall develop recommended sewer improvement projects to address the capacity deficiencies identified in Task 4. Refinements to uncompleted projects (e.g., refinements to design flows, pipe sizes, and location and alignment of proposed facilities) and updates to smaller capacity projects shall be made as necessary.

Subtask 5.2 – Develop Cost Estimates. The ENGINEER shall review the unit cost criteria developed for the previous basin master plans. Needed adjustments or refinements to the cost criteria shall be discussed with DISTRICT staff. The ENGINEER shall update the cost criteria as needed based on recent cost data provided by the DISTRICT and/or from the ENGINEER's database of construction bids. Using the updated cost criteria, the ENGINEER shall develop preliminary opinions of probable construction costs and estimated capital costs for each of the recommended capacity improvement projects.

Subtask 5.3 - Determine Project Groupings and Priorities. In conjunction with DISTRICT staff, the ENGINEER shall group the recommended capacity improvement projects into priorities for construction. Prioritization criteria shall include such factors as the severity of existing problems (e.g., percent capacity), the relative risk associated with potential failure (e.g., sewage backup or overflow), the timing of future development to be served by the project, etc. The capacity project groupings and priorities shall later be reviewed in conjunction with recommended rehabilitation projects based on the condition assessment to develop an overall recommended sewer system CIP for the Newark Basin.

Task 6 – Prepare Sewer Master Plan Update Report

The Sewer Master Plan Update shall consist of a brief report summarizing the findings and recommendations of the study, supplemented by an appendix with supporting information such

as flow data tables and plots, model output, and project cost estimates. It is anticipated that the report shall be approximately 50 pages in length, and shall summarize the changes to land uses, design flows, model results, and recommended CIP projects and costs since the previous Master Plan. The Report shall incorporate the sewer condition assessment based on the updated InfoMaster™ risk model developed as part of Task Order No. 1. It is assumed this chapter's final changes shall be limited to formatting edits.

Subtask 6.1 - Prepare Draft Report. Two (2) hard copies and one (1) digital copy of the Draft Sewer Master Plan Update Report shall be prepared and delivered to the DISTRICT for review.

Subtask 6.2 - Prepare Final Report. The ENGINEER shall review and incorporate DISTRICT comments on the Draft Sewer Master Plan Update Report into the final document. Five (5) hard copies and one (1) digital copy of the Final Sewer Master Plan Update Report and three (3) sets of appendices shall be delivered to the DISTRICT.

Task 7 – Project Management and Coordination

This task includes meetings, project management, and project quality control.

Subtask 7.1 - Meetings. Progress meetings with DISTRICT staff shall be held on an as-needed basis during the study. Budget for three (3) meetings is included. The ENGINEER shall prepare an agenda and minutes for each meeting.

Subtask 7.2 - Project Management. This subtask includes day-to-day project management activities, including schedule and budget monitoring, subcontract administration, and invoice preparation. The ENGINEER shall submit a brief progress memorandum to the DISTRICT each month describing the work completed during the previous month and the anticipated work in the following month and summarizing the status of the project budget and schedule.

Subtask 7.3 - Quality Control. The ENGINEER shall identify members of its senior staff with specialized experience in sewer improvement planning, design, and construction to provide technical review for the project. At least one or more of these individuals shall review all major technical documents as well as engineering and cost calculations. The budget for quality control review is included in the respective technical tasks.

4. SERVICES PROVIDED BY THE DISTRICT

The DISTRICT shall provide the following services and furnish information as follows:

- Provide all existing DISTRICT data and information related to the project tasks above.
- Provide field assistance in verifying system configuration (e.g., flow splits at diversion manholes) as needed by ENGINEER for the hydraulic model.
- Resolve discrepancies between parcel GIS and billing databases as needed by ENGINEER for use in the hydraulic model.
- Provide timely review of all project deliverables.

5. DELIVERABLES

Project deliverables are listed below:

- GIS mapping of the Newark Basin service area and projected land uses.
- Updated model database and associated GIS files (pipes, manholes, and subareas).
- Descriptions and estimated costs of recommended capacity improvement projects.
- Draft and Final Sewer Master Plan Update Reports.
- Meeting agenda and minutes; monthly invoices and progress reports.

6. PAYMENT TO THE ENGINEER

Compensation shall be on ENGINEER's schedule of standard hourly rates (2018 rates are shown in Attachment 1). Standard rates may be increased at the start of the ENGINEER's fiscal year (January 1). The billing rate schedule is based on an overall labor multiplier of 3.36 and a profit of 10%. Subconsultants and outside services shall be billed at actual cost plus 5%; other direct costs shall be billed at actual cost; and mileage shall be billed at prevailing IRS standard rate.

The estimated costs for the work described in the Scope of Services are shown in Attachment 2. Total charges to the DISTRICT shall not exceed \$234,070 without written authorization from the DISTRICT.

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

Task Order / Amendment	Not to Exceed Amount	Board Authorization Required? (Yes/No)	District Staff Approval
Task Order No. 1 – Condition Assessment	\$69,650	No	Paul R. Eldredge
Task Order No. 2 – Capacity Assessment and Master Plan	\$234,070	Yes	Paul R. Eldredge
Total	\$303,720		

7. TIME OF COMPLETION

The work defined in this Task Order shall be completed in 427 calendar days after the execution of this Task Order and subject to the conditions of Article 3 of this Agreement. This project duration assumes the flow meters are installed no later than early January 2019 and removed no later than early March 2019, with delivery of final data by the end of March. The project duration may have to be extended if the flow monitoring period goes beyond March 2019. The project completion date therefore extends into the early months of the DISTRICT’s 2019/2020 fiscal year.

8. KEY PERSONNEL

Engineering personnel assigned to this Task Order No. 2 are as follows:

<u>Role</u>	<u>Key Person to be Assigned</u>
Principal-in-Charge/Senior Technical Advisor	Gisa Ju
Project Manager	Nuria Bertran-Ortiz

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

All other terms and conditions of the Agreement remain unchanged.

In WITNESS HEREOF, the parties hereto have executed this Task Order as of _____,
2018, and therewith incorporated it as part of the Agreement.

DISTRICT:

UNION SANITARY DISTRICT

ENGINEER:

WOODARD & CURRAN, INC.

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

By: _____
Gisa M. Ju, P.E.
Vice President

Attachment 1
2018 Hourly Rate Schedule

Labor Category	Rate (\$/hr)
Engineer 1 (E1) Scientist 1 (S1) Geologist 1 (G1) Planner 1 (P1) Technical Specialist 1 (TS1)	157
Engineer 2 (E2) Scientist 2 (S2) Geologist 2 (G2) Planner 2 (P2) Technical Specialist 2 (TS2)	182
Engineer 3 (E3) Scientist 3 (S3) Geologist 3 (G3) Planner 3 (P3) Technical Specialist 3 (TS3)	206
Project Engineer 1 (PE1) Project Specialist 1 (PS1) Project Geologist 1 (PG1) Project Planner 1 (PP1) Project Technical Specialist 1 (PTS1)	215
Project Engineer 2 (PE2) Project Specialist 2 (PS2) Project Geologist 2 (PG2) Project Planner 2 (PP2) Project Technical Specialist 2 (TS2)	229
Project Manager 1 (PM1) Technical Manager 1 (TM1)	244
Project Manager 2 (PM2) Technical Manager 2 (TM2)	258
Senior Project Manager (SPM) Senior Technical Manager (STM)	274
Senior Technical Practice Leader (STPL)	301
National Practice Leader (NPL) Strategic Business Unit Leader (SBUL)	315
Software Engineer 1 (SE1)	140
Designer 1 (D1)	145
Designer 2 (D2)	153
Designer 3 (D3) Senior Software Developer (SSD)	158
Senior Designer (SD)	165
Project Assistant (PA)	108
Marketing Assistant (MA) Graphic Artist (GA)	115
Senior Accountant (SA) Billing Manager (BM)	125
Marketing Manager (MM) Graphics Manager (GM)	145

Note: The individual hourly rates include salary, overhead and profit. Other direct costs (ODCs) such as reproduction, delivery, mileage (as allowed by IRS guidelines), and travel expenses will be billed at actual cost. Subconsultants will be billed as actual cost plus 5%. Woodard & Curran reserves the right to adjust its rate schedule at the beginning of each calendar year for all ongoing projects.

Attachment 2
USD Newark Basin Sewer Master Plan - Task Order No. 2
Level of Effort and Fee Estimate

Tasks	Woodard & Curran Labor							Other Direct Costs ²	Sub-consultant ³	TOTAL	
	PIC/Senior Technical Advisor	Project Manager	Project Engineer	Senior Technical Support	Technical Review	Admin.	Labor Total ¹				
	Gisa Ju	Nuria Bertran-Ortiz	Jennifer Chang	Glenn Hermanson	Cathy Greenman		Hours				(\$)
Billing classification>>	STPL	PE2	PE1	STPL	SPM		Hours	(\$)	(\$)	(\$)	
Task 1: Review Existing Information and Interview Staff											
1.1 - Compile and Review Existing Data and Documents		4	4				8	\$ 1,776	\$ -	\$ -	\$ 1,780
1.2 - Conduct Interviews/Kickoff Meeting with District Staff	4	6	4				14	\$ 3,438	\$ 200	\$ -	\$ 3,640
Subtotal Task 1	4	10	8	0	0	0	22	\$ 5,214	\$ 200	\$ -	\$ 5,420
Task 2: Wet Weather Flow Monitoring											
2.1 - Prepare Flow Monitoring Plan		4	6				10	\$ 2,206	\$ -	\$ -	\$ 2,210
2.2 - Conduct Flow Monitoring and Flow Monitoring Data Review ⁴	2	2	24				28	\$ 6,407	\$ -	\$ 67,065	\$ 73,470
Subtotal Task 2	2	6	30	0	0	0	38	\$ 8,613	\$ -	\$ 67,065	\$ 75,680
Task 3: Update Land Use Data											
3.1 - Compile Planning Documents and Meet with City Planning Staff		16	8				24	\$ 5,384	\$ 200	\$ -	\$ 5,580
3.2 - Update Basin Service Area Boundary and Land Use Mapping		8	16				24	\$ 5,272	\$ -	\$ -	\$ 5,270
3.3 - Develop Model Loads	2	16	76				94	\$ 20,606	\$ -	\$ -	\$ 20,610
Subtotal Task 3	2	40	100	0	0	0	142	\$ 31,262	\$ 200	\$ -	\$ 31,460
Task 4: Modeling and Capacity Analysis											
4.1 - Update and Expand Modeled System		8	60				68	\$ 14,732	\$ -	\$ -	\$ 14,730
4.2 - Calibrate Model	4	20	96		4		124	\$ 28,346	\$ -	\$ -	\$ 28,350
4.3 - Conduct Model Runs for Existing Trunk System and Identify Capacity Deficiencies	2	10	24				36	\$ 8,294	\$ -	\$ -	\$ 8,290
4.4 - Identify Potential Solutions for Capacity Deficiencies and Refine Solutions Model	4	24	32				60	\$ 13,987	\$ -	\$ -	\$ 13,990
Subtotal Task 4	10	62	212	0	4	0	288	\$ 65,359	\$ -	\$ -	\$ 65,360
Task 5: Develop CIP for Capacity Improvements											
5.1 - Develop Sewer Improvement Projects	4	16	40	8			68	\$ 16,352	\$ -	\$ -	\$ 16,350
5.2 - Develop Cost Estimates		8	8	4			20	\$ 4,899	\$ -	\$ -	\$ 4,900
5.3 - Determine Project Groupings and Priorities	2	4	4				10	\$ 2,449	\$ -	\$ -	\$ 2,450
Subtotal Task 5	6	28	52	12	0	0	98	\$ 23,700	\$ -	\$ -	\$ 23,700
Task 6: Prepare Sewer Master Plan Update Report											
6.1 - Prepare Draft Report	4	16	40		4	4	68	\$ 15,446	\$ -	\$ -	\$ 15,450
6.2 - Prepare Final Report		8	20			8	36	\$ 7,206	\$ 500	\$ -	\$ 7,710
Subtotal Task 6	4	24	60	0	4	12	104	\$ 22,652	\$ 500	\$ -	\$ 23,160
Task 7: Project Management and Coordination											
7.1 - Meetings	4	8	8				20	\$ 4,821	\$ 200	\$ -	\$ 5,020
7.2 - Project Management	2	12				8	22	\$ 4,271	\$ -	\$ -	\$ 4,270
7.3 - Quality Control (included in above tasks)							0	\$ -	\$ -	\$ -	\$ -
Subtotal Task 7	6	20	8	0	0	8	42	\$ 9,092	\$ 200	\$ -	\$ 9,290
TOTAL	34	190	470	12	8	20	734	\$ 165,892	\$ 1,100	\$ 67,065	\$ 234,070

1. Labor costs include salaries, overhead, and profit based on Woodard & Curran's standard hourly rate schedule (attached). 3% increase assumed for work to be conducted in 2019 (see project schedule).

2. Other direct costs (ODCs) include mileage, travel, and major reproduction.

3. Subconsultant costs include 5% Woodard & Curran markup.

4. Assumes 15 flow meters and 3 rain gauges for two month monitoring period.

**USD Newark Basin Sewer Master Plan - Task Order No. 2
Project Schedule**

Tasks	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Task 1: Review Existing Information and Interview Staff														
1.1 - Compile and Review Existing Data and Documents														
1.2 - Conduct Interviews/Kickoff Meeting with District Staff	▲													
Task 2: Wet Weather Flow Monitoring														
2.1 - Prepare Flow Monitoring Plan														
2.2 - Conduct Flow Monitoring and Flow Monitoring Data Review ¹														
Task 3: Update Land Use Data														
3.1 - Compile Planning Documents and Meet with City Planning Staff			▲											
3.2 - Update Basin Service Area Boundary and Land Use Mapping														
3.3 - Develop Model Loads														
Task 4: Modeling and Capacity Analysis														
4.1 - Update and Expand Modeled System														
4.2 - Calibrate Model														
4.3 - Conduct Model Runs for Existing Trunk System and Identify Capacity Deficiencies														
4.4 - Identify Potential Solutions for Capacity Deficiencies and Refine Solutions Model														
Task 5: Develop CIP for Capacity Improvements														
5.1 - Develop Sewer Improvement Projects														
5.2 - Develop Cost Estimates														
5.3 - Determine Project Groupings and Priorities														
Task 6: Prepare Sewer Master Plan Update Report														
6.1 - Prepare Draft Report														
6.2 - Prepare Final Report													D	F
Task 7: Project Management and Coordination														
7.1 - Meetings										▲		▲		▲
7.2 - Project Management														
7.3 - Quality Control														

▲ meetings/workshops

¹ Flow meters and rain gauges shall be installed in December 2018 or January 2019. The flow monitoring duration is assumed to be 60 days but may be extended if sufficient rainfall events do not occur during this period and the DISTRICT authorizes the extension. Final flow monitoring data shall be delivered 2 weeks after meter removal. The four month duration is based on a flow meter installation of early January 2019.



**Summary of the EBDA Commission Meeting
Thursday, May 17, 2018, at 9:30 a.m.**

Prepared by: P. Eldredge

- Commissioners Johnson, Ballew, Toy, Becker, and Peixoto were present.
- The Consent Calendar was approved unanimously and included the Commission Meeting Minutes, List of Disbursements, and Treasurer's Report.
- The Commission unanimously approved the reports from the Managers Advisory, Financial Management, Regulatory Affairs, Operations & Maintenance, and Personnel committees. The following items were discussed:
- **General Managers Report** - The General Manager Connor suggested that all attendees introduce themselves for Mr. Ballew, who is sitting in for Commissioner Cutter. He mentioned that this will be his last Commission meeting as General Manager, and that incoming General Manager Zipkin will begin working the day after Memorial Day. In addition, there will be additional help from the Beecher Engineering, Evan Currie, on the HEPS MCC as David Stoops transitions out. Maria Buckley will help part-time while Juanita is out. The General Manager acknowledged the hard work that Juanita has been doing leading up to her absence. The General Manager mentioned that the final budget will be brought to the June meeting. He noted that the next Chair will be Commissioner Cutter, and that requested Committee assignment forms for next fiscal year be forwarded to Juanita. There may be a going-away event for the GM at the July meeting.
- **Manager's Advisory Committee** met with the General Manager on May 16, 2018 for an extended meeting, discussing the transport system, impacts of an earthquake or other catastrophic event, and related insurance issues. CSRMA came in and explained how FEMA procedures would work. The MAC also discussed the future of the JPA, looking at other JPAs and how they allocate funds, the revision process and JPA language. Incoming General Manager Zipkin participated in the MAC meeting via phone.
- **Ad Hoc Committee** met on May 16, 2018 and discussed allocated cost issues, flow measurement, cost management in the event of an emergency, as well as Strategic Planning and the need to spend more time on it since the deadline for revising the JPA agreement is next year.
- **Financial Management Committee** met with the General Manager on May 15, 2018, and reviewed the April list of Disbursements, Treasurer's Report, and State Controller's report on

- **Regulatory Affairs Committee** - The General Manager explained the charts and monthly report of permit limits. EBDA has had no problems complying with the permit. Emerging contaminants are a continued issue and are categorized by relative level of concern. There is nothing currently in the red, or worst category. Fipronil, found in flea and tick powders, is one of the most concerning chemicals. Each agency has a pretreatment group that monitors these chemicals.
- **Operations and Maintenance (O&M) Committee** presented the highlights of HEPS MCC critical path items including PG&E work, SCADA Upgrade, and Fuel Tank Projects. He also reported on the in-house cleaning of the Skywest chlorine contact tank saving approximately \$6,000 over last year when contractors were used, and thanked Oro Loma staff for their assistance.
- **Resolution Establishing the Price of Recycled Water for Skywest Golf Course in FY 2018/19**

Since there is a forecasted surplus for the current fiscal year which will help pay for pump work next year, EBDA will hold the monthly price of recycled water flat for next fiscal year. Commissioner Toy moved to adopt the resolution establishing the monthly price of recycled water for the Skywest Golf Course for FY 2018/19 to remain at \$10,000. The motion was seconded by Commissioner Ballew.

Ayes: Commissioners Johnson, Ballew, Toy, Becker, and Chair Peixoto
 Noes: None
 Absent: None
 Abstain: None

- **Resolution Approving the Sole Source Purchase of Business Copy Machine**

The Caltronics company was selected for purchase of a new Konica Minolta copier. It was identified in the Asset Management Plan as needing to be replaced, and will be part of our electronic communication. It is a similar model that Oro Loma has, so the two agencies can share the in-house technician for servicing. The Commission desires to go back to colored packets, and the current machine is at the end of its useful life and jams with colored paper.

Commissioner Becker moved to approve the purchase of a new copier from Caltronics. The motion was seconded by Commissioner Toy and carried unanimously, 5-0.

Ayes: Commissioners Johnson, Ballew, Toy, Becker, and Chair Peixoto
 Noes: None
 Absent: None
 Abstain: None

Because EBDA is forecasting coming under budget this fiscal year due to not spending so much on sodium bisulfite and electricity for pumping due to less rain, it was proposed to contribute funds to PERS in order to reduce the Unfunded Actuarial Liability (UAL). The General Manager clarified that this resolution is not related to OPEB. Chair Peixoto informed the attendees about pending legislation AB1912, regarding JPAs and OPEB and pension liabilities.

Commissioner Johnson moved to approve the resolution. The motion was seconded by Commissioner Becker and carried unanimously, 5-0 (Johnson, Ballew, Toy, Becker, Peixoto; ayes).

Ayes: Commissioners Johnson, Ballew, Toy, Becker, and Chair Peixoto
Noes: None
Absent: None
Abstain: None

- **Resolution Approving the FY 2017/18 California Employers' Retiree Benefit Trust (CERBT) Fund Contribution**

The General Manager summarized the results from the latest retiree medical actuarial GASB 75 draft report and reasons that the annual contribution has increased from prior years to \$47,320, notably longer lifespans and lower expected investment returns. In addition, the General Manager reminded the Commission that agencies are now required to show their OPEB unfunded liability on their financial statements.

Commissioner Becker moved to approve the resolution. The motion was seconded by Commissioner Johnson, and approved unanimously, 5-0.

Ayes: Commissioners Johnson, Ballew, Toy, Becker, and Chair Peixoto
Noes: None
Absent: None
Abstain: None

- **Committee Preference Form and Proposed meeting schedule for FY 2018/19**

The General Manager reminded the Commissioners to turn in their committee preferences for Pauline's review.

- **Items from the Commission and Staff**

The Castro Valley Sanitary District Board of Directors will adopt a Resolution recognizing EBDA General Manager Connor at its July meeting.

**UNION SANITARY DISTRICT
CHECK REGISTER
06/02/2018-06/15/2018**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
167982	6/7/2018	143	19171903	MONTEREY MECHANICAL CO	DIGESTER NO. 3 INSP & REHAB		
						\$219,301.80	\$219,301.80
167940	6/7/2018	143	11317635	BROWN & CALDWELL CONSULTANTS	PRIMARY DIGESTER NO. 7		
						\$134,593.67	\$161,343.21
	6/7/2018	143	11317643		EMERGENCY OUTFALL OUTLET IMPROVEMENTS		
						\$21,934.10	
	6/7/2018	143	11313424		PRIMARY DIGESTER NO. 7		
						\$3,139.60	
	6/7/2018	143	11317645		EMERGENCY OUTFALL OUTLET IMPROVEMENTS		
						\$1,675.84	
168021	6/14/2018	143	11318268	BROWN & CALDWELL CONSULTANTS	STANDBY POWER SYSTEM UPGRADE		
						\$99,621.27	\$99,621.27
168054	6/14/2018	170	898220180531	PACIFIC GAS AND ELECTRIC	SERV TO 05/30/18 FREMONT PS		
						\$296.59	\$99,073.59
	6/14/2018		170120180606		SERV TO 05/22/2018 PLANT		
						\$65,609.36	
	6/14/2018		013720180605		SERV TO 06/04/18 BOYCE RD PS		
						\$2,787.32	
	6/14/2018	170	096020180531		SERV TO 05/30/18 CATHODIC PROJECT		
						\$43.93	
	6/14/2018	110	224720180522		SERV TO 05/24/18 CS TRAINING TRAILER		
						\$31.21	
	6/14/2018	170	380420180531		SERV TO 05/30/18 CHERRY ST PS		
						\$206.45	
	6/14/2018	170	761520180524		SERV TO 05/23/18 NEWARK PS		
						\$29,740.66	
	6/14/2018	170	666720180531		SERV TO 05/30/18 PASEO PADRE PS		
						\$299.30	
	6/14/2018	110	892820180531		SERV TO 05/30/18 HAYWARD MARSH		
						\$58.77	
167989	6/7/2018	171	349754	RKI INSTRUMENTS INC	PORTABLE GAS DETECTORS		
						\$67,142.77	\$67,142.77
167996	6/7/2018		30104881	SYNAGRO WEST LLC	APRIL 2018 BIOSOLIDS DISPOSAL		
						\$60,488.37	\$60,488.37

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CHECK REGISTER
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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
167958	6/7/2018	143	9781	DW NICHOLSON CORP	NEWARK PS MOD VALVE & BOOST LINE MODS	\$60,402.53	\$60,402.53
167974	6/7/2018	143	6803	JDH CORROSION CONSULTANTS INC	CATHODIC PROTECTION IMPROVEMENTS - PLANT	\$53,302.50	\$53,302.50
168068	6/14/2018		533620180522	US BANK CORP PAYMENT SYSTEM	MONTHLY CAL CARD STMT - MAY 2018	\$30,016.27	\$30,016.27
168076	6/14/2018	171	3886415	WESTERN ENERGY SYSTEMS	COGEN 1 PISTONS	\$27,277.71	\$27,277.71
167947	6/7/2018	143	381145278	CH2M HILL INC	ODOR CONTROL ALTERNATIVES STUDY	\$27,175.76	\$27,175.76
168059	6/14/2018	143	25962	RMC WATER AND ENVIRONMENT	USD EFFLUENT MANAGEMENT STUDY	\$26,249.75	\$26,249.75
167956	6/7/2018		2858086C	DELTA DENTAL SERVICE	MAY 2018 DENTAL	\$20,150.46	\$22,945.33
	6/7/2018		2858086A		MAY 2018 DENTAL	\$2,794.87	
168034	6/14/2018	110	903555571	EVOQUA WATER TECHNOLOGIES	4601 GALS HYDROGEN PEROXIDE	\$22,066.74	\$22,066.74
167945	6/7/2018	143	167214	CAROLLO ENGINEERS	NEWARK PS MOD VALVE & BOOST LINE MODS	\$980.64	\$16,343.91
	6/7/2018	143	167259		DIGESTER NO. 3 INSP & REHAB	\$15,363.27	
168037	6/14/2018		10976349	HACH COMPANY	LAB\PLANT OPERATIONS DATA MANAGEMENT SYSTEM (ODMS)	\$15,355.00	\$15,355.00
168046	6/14/2018		20180322	LANDSEA LS-NEWARK LLC	REFUND - CHERRY STREET PS DEPOSIT	\$14,333.69	\$14,333.69
168027	6/14/2018	123	17813015225	CORIX WATER PRODUCTS INC	(40) MANHOLE FRAMES & COVERS	\$13,126.10	\$13,126.10
167986	6/7/2018	171	21361	PROMINENT SYSTEMS INC	REPLACE CARBON MEDIA/DISPOSAL OF SPENT MEDIA	\$12,676.00	\$12,676.00
168077	6/14/2018	123	20172	WESTERN TRUCK FABRICATION INC	MODIFY TRUCK - T2375	\$11,391.08	\$11,391.08
167954	6/7/2018	123	46213690001	CRESCO EQUIP RENTALS & AFFIL	(2) D8T DOZER RENTALS	\$10,149.84	\$10,149.84
168012	6/14/2018	123	180501959	AIRTECH MECHANICAL INC	INSTALL NEW VAV DAMPERS - CS COACH OFFICES	\$8,996.00	\$9,911.00
	6/14/2018	170	180501936		MAY 2018: FILTER CHANGE BLDGS 54, 63, 81, 90	\$915.00	

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CHECK REGISTER
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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
168002	6/7/2018	110	879321	UNIVAR USA INC	4998 GALS SODIUM HYPOCHLORITE		
						\$2,451.94	\$9,709.78
	6/7/2018	110	879617		4998.7 GALS SODIUM HYPOCHLORITE		
						\$2,452.28	
	6/7/2018	110	880011		4997.6 GALS SODIUM HYPOCHLORITE		
						\$2,451.74	
	6/7/2018	110	879127		4798 GALS SODIUM HYPOCHLORITE		
						\$2,353.82	
167943	6/7/2018	110	33102	CALIFORNIA WATER TECHNOLOGIES	41,540 LBS FERROUS CHLORIDE		
						\$4,419.93	\$8,845.56
	6/7/2018		33129		42,220 LBS FERROUS CHLORIDE		
						\$4,425.63	
167979	6/7/2018		37432220180601	LINCOLN NATIONAL LIFE INS COMP	LIFE & DISABILITY INSURANCE - JUNE 2018		
						\$7,440.50	\$7,440.50
168064	6/14/2018	150	101	SEA SCOUT SHIP GRYPHON	FOOD SERVICE FOR USD CENTENNIAL OPEN HOUSE		
						\$7,000.00	\$7,000.00
168025	6/14/2018		7893	CLASSICS 36120 RUSCHIN, L.P.	REFUND # 21100		
						\$5,950.00	\$5,950.00
167926	6/7/2018		67947	3T EQUIPMENT COMPANY INC	10 PIPE PATCH KITS & 4 3T TIGER TAILS		
						\$5,901.57	\$5,901.57
167980	6/7/2018		20180529	ROSE A MARTINEZ	REFUND SEWER SERVICE CHARGES & CAPACITY FEE		
						\$5,844.89	\$5,844.89

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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
168056	6/14/2018	123	820129203	RED WING BUS ADVANTAGE ACCT	SAFETY SHOES: F. CUOTO		\$5,700.73
	6/14/2018	171	820124596		SAFETY SHOES: E. SEPULVEDA	\$196.64	
	6/14/2018	111	820128174		SAFETY SHOES: A. LULLO	\$194.99	
	6/14/2018	121	820135009		SAFETY SHOES: A. DIOSDADO	\$194.99	
	6/14/2018	111	820131965		SAFETY SHOES: S. SOTH	\$208.00	
	6/14/2018	141	820139907		SAFETY SHOES: S. NOVAK	\$208.00	
	6/14/2018	111	820125791		SAFETY SHOES: T. HUGHES	\$208.00	
	6/14/2018	144	820129616		SAFETY SHOES: V. PADILLA	\$204.27	
	6/14/2018	172	820137986		SAFETY SHOES: G. OSEGUERA	\$197.70	
	6/14/2018	111	820133515		SAFETY SHOES: P. BORBECK	\$196.64	
	6/14/2018	171	820130385		SAFETY SHOES: M. GRABOWSKI	\$204.27	
	6/14/2018	111	169138983		SAFETY SHOES: A. FARSAI	\$208.00	
	6/14/2018	121	820127259		SAFETY SHOES: STUART BULLIS	\$208.00	
	6/14/2018	171	820133225		SAFETY SHOES: S. COOPER	\$208.00	
	6/14/2018	121	820124750		SAFETY SHOES: J. POWELL	\$194.99	
	6/14/2018	121	820130882		SAFETY SHOES: R. LEBON	\$186.79	
	6/14/2018	122	820137577		SAFETY SHOES: K. COFFEE	\$208.00	
	6/14/2018	111	169134099		SAFETY SHOES: K. WONG	\$204.27	
	6/14/2018	121	820124714		SAFETY SHOES: M. DELTORO	\$208.00	

**UNION SANITARY DISTRICT
CHECK REGISTER
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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
168056	6/14/2018	123	820132872	RED WING BUS ADVANTAGE ACCT	SAFETY SHOES: T. PORTEOUS		
						\$208.00	\$5,700.73
	6/14/2018	121	820135013		SAFETY SHOES: M. LOPEZ	\$208.00	
	6/14/2018	122	820137578		SAFETY SHOES: M. MINCHACA	\$208.00	
	6/14/2018	172	820137985		SAFETY SHOES: T. TEALE	\$208.00	
	6/14/2018	111	169140646		SAFETY SHOES: M. FARSAI	\$208.00	
	6/14/2018	171	820132795		SAFETY SHOES: S. NOEGEL	\$196.64	
	6/14/2018	111	820133037		SAFETY SHOES: W. COGGINS	\$204.27	
	6/14/2018	123	820134479		SAFETY SHOES: STEVE BULLIS	\$204.27	
	6/14/2018	172	820136120		SAFETY SHOES: D. LU	\$208.00	
168078	6/14/2018	143	150461	WOODARD & CURRAN INC	NEWARK BASIN MASTER PLAN/PACP UPDATE	\$5,344.89	\$5,344.89
168044	6/14/2018	143	227049	KIER & WRIGHT CIVIL ENGINEERS	PERFORM CONVENTIONAL GROUND SURVEYING	\$5,206.25	\$5,206.25
168067	6/14/2018	110	881362	UNIVAR USA INC	5049.10 GALS SODIUM HYPOCHLORITE	\$2,477.00	\$4,929.32
	6/14/2018	110	880311		4998.80 GALS SODIUM HYPOCHLORITE	\$2,452.32	
168022	6/14/2018	110	33155	CALIFORNIA WATER TECHNOLOGIES	43,660 LBS FERROUS CHLORIDE	\$4,617.93	\$4,617.93

**UNION SANITARY DISTRICT
CHECK REGISTER
06/02/2018-06/15/2018**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
168014	6/14/2018		4107393120180531	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 05/31/18-MTR HYD 16435270	\$655.80	\$4,397.33
	6/14/2018		4107393520180531		SERV TO: 05/31/18-MTR HYD 16435269	\$548.76	
	6/14/2018		4047286120180605		SERV TO: 06/01/18 - PASEO PADRE	\$56.58	
	6/14/2018		4107393420180531		SERV TO: 05/31/18-MTR HYD 15952331	\$527.52	
	6/14/2018		4107393020180531		SERV TO: 05/31/18-MTR HYD 15141193	\$519.02	
	6/14/2018		4107393220180531		SERV TO: 05/31/18-MTR HYD 16435275	\$582.76	
	6/14/2018		4107361120180531		SERV TO: 05/31/18-MTR HYD 15001101	\$540.27	
	6/14/2018		4107361320180531		SERV TO: 05/31/18-MTR HYD 16320037	\$477.34	
	6/14/2018		4108253920180531		SERV TO: 05/31/18-MTR HYD 32896061	\$489.28	
168042	6/14/2018	170	360978	KAMAN INDUSTRIAL TECHNOLOGIES	4 COGEN 3-WAY VLV ACTUATORS AT COOLING FAN	\$4,302.61	\$4,302.61
168065	6/14/2018		719520360301	STAPLES CONTRACT & COMMERCIAL	JANITORIAL/BREAKROOM SUPPLIES	\$672.59	\$4,036.14
	6/14/2018		719520360302		JANITORIAL/BREAKROOM SUPPLIES	\$144.32	
	6/14/2018		719728853702		JANITORIAL & BREAKROOM SUPPLIES	\$114.36	
	6/14/2018		719728853701		JANITORIAL & BREAKROOM SUPPLIES	\$1,433.90	
	6/14/2018		719817947101		JANITORIAL SUPPLIES	\$604.37	
	6/14/2018		719613523301		JANITORIAL SUPPLIES	\$768.17	
	6/14/2018		719728853704		JANITORIAL & BREAKROOM SUPPLIES	\$68.02	
	6/14/2018		719728853703		JANITORIAL & BREAKROOM SUPPLIES	\$230.41	
168075	6/14/2018	143	2035255	WEST YOST ASSOCIATES	3RD SLUDGE DEGRITTER SYSTEM	\$3,975.00	

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168017	6/14/2018		11382118	AT&T	SERV: 04/20/18 - 05/19/18	\$20.27	\$3,832.91
	6/14/2018		11382142		SERV: 04/20/18 - 05/19/18	\$210.10	
	6/14/2018		11382120		SERV: 04/20/18 - 05/19/18	\$3,602.54	
167952	6/7/2018		64821209	COMCAST OF CALIFORNIA,	WIRELESS INTERNET BACKUP - MAY	\$3,732.50	\$3,732.50
168032	6/14/2018	113	1110594	ENTHALPY ANALYTICAL LLC	14 LAB SAMPLE ANALYSIS	\$655.00	\$3,552.50
	6/14/2018	113	1110157		83 LAB SAMPLE ANALYSIS	\$1,300.00	
	6/14/2018	113	1110568		8 LAB SAMPLE ANALYSIS	\$172.50	
	6/14/2018	113	1110517		5 LAB SAMPLE ANALYSIS	\$120.00	
	6/14/2018	113	1109725		81 LAB SAMPLE ANALYSIS	\$1,305.00	
167930	6/7/2018	170	5184856	ALL INDUSTRIAL ELECTRIC SUPPLY	1 COGEN 2 RADIATOR FAN MOTOR	\$2,794.34	\$3,546.92
	6/7/2018	170	5184780		1 MH BAL KIT	\$92.05	
	6/7/2018	170	5184439		2 GRN 39282 4 WIR BRSH	\$132.58	
	6/7/2018	170	5184609		1 LITHONIA WRAP AROUND	\$197.04	
	6/7/2018	170	5184438		1 AB POWER MOD	\$74.96	
	6/7/2018	170	5184607		ASTD PARTS & MATERIALS	\$255.95	
167935	6/7/2018	123	76938	BAILEY FENCE CO INC	FENCE INSTALL @ BART TRACKS	\$3,545.00	\$3,545.00
168072	6/14/2018		9060	WASHINGTON HOSPITAL HEALTHCARE	REFUND # 21093	\$3,510.00	\$3,510.00
167998	6/7/2018		8760	TECTONIC BUILDERS CORPORATION	REFUND # 21072	\$3,300.00	\$3,300.00
168045	6/14/2018		9274	COLIN KUANG	REFUND # 21095	\$3,300.00	\$3,300.00

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168006	6/7/2018		20180601	VISION SERVICE PLAN - CA	JUNE 2018 VISION STMT		
						\$3,239.72	\$3,239.72
167944	6/7/2018		18645208	CANON SOLUTIONS AMERICA INC	MONTHLY LEASE 6 CANON COLOR COPIERS		
						\$3,154.15	\$3,154.15
168048	6/14/2018		20180613	MATTHEW LUBINA	COMPUTER NOTE		
						\$2,948.98	\$2,948.98
167967	6/7/2018	171	9775265433	GRAINGER INC	1 COMBINATION WRENCH		
						\$23.66	\$2,946.13
	6/7/2018	170	9773129631			\$99.92	
	6/7/2018	120	9774453147		ASTD BARRICADE TAPE AND ROPE	\$667.38	
	6/7/2018		9771162436		ASTD PARTS & MATERIALS	\$328.16	
	6/7/2018		9773468385		ASTD PARTS & MATERIALS	\$1,794.17	
	6/7/2018	171	9775775019		1 OPEN END WRENCH	\$32.84	
168040	6/14/2018		20180613	ALEXANDRO HERNANDEZ	COMPUTER NOTE		
						\$2,928.94	\$2,928.94
168049	6/14/2018	170	64814295	MCMASTER SUPPLY INC	1 PACK SCREWS		
						\$12.07	\$2,788.86
	6/14/2018	122	64565064		ASTD PARTS & MATERIALS	\$23.42	
	6/14/2018	122	64814645		2 EA STAINLESS STEEL PIPE NIPPLES	\$47.45	
	6/14/2018	121	64814646		1 EXTRA HEAVY DUTY SHELF CABINET	\$2,705.92	
168058	6/14/2018	120	916003498053	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - JUNE 2018		
						\$2,527.29	\$2,527.29

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167992	6/7/2018		9598	ROOTER HERO	REFUND # 21083		
						\$500.00	\$2,500.00
	6/7/2018		9670		REFUND # 21071	\$500.00	
	6/7/2018		9513		REFUND # 21067	\$500.00	
	6/7/2018		9446		REFUND # 21066	\$500.00	
	6/7/2018		9572		REFUND # 21068	\$500.00	
168053	6/14/2018		9009	NEXGEN BUILDERS INC	REFUND # 20731	\$2,500.00	\$2,500.00
168005	6/7/2018		9807614332	VERIZON WIRELESS	WIRELESS SERV 04/21/18 - 05/20/18	\$2,475.34	\$2,475.34
168069	6/14/2018	111	3850000033525	VASCO ROAD LANDFILL	LANDFILL DISPOSAL FEES FOR SEWER DEBRIS	\$840.94	\$2,181.43
	6/14/2018	111	3850000033680		LANDFILL DISPOSAL FEES FOR SEWER DEBRIS	\$1,340.49	
167968	6/7/2018	123	17503	GREAT WEST EQUIPMENT INC	1 ERGO AIR TAMPER	\$1,998.55	\$1,998.55
167931	6/7/2018	170	24997	ALLIED FLUID PRODUCTS CORP	ASTD AERATION BASIN TUBING	\$1,917.49	\$1,917.49
167984	6/7/2018	150	16	DAVID MICHAEL MOUTRAY	FINAL EDITS TO USD VIRTUAL PLANT TOUR VIDEO	\$1,900.00	\$1,900.00
168018	6/14/2018		353536	BAY AREA BARRICADE SERVICE INC	7 CASES MARKING PAINT	\$330.35	\$1,832.23
	6/14/2018	123	90510		500 DELINEATORS W/BASE	\$1,501.88	

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167961	6/7/2018	113	1109540	ENTHALPY ANALYTICAL LLC	3 LAB SAMPLE ANALYSIS		
						\$60.00	\$1,820.00
	6/7/2018	113	1109164		1 LAB SAMPLE ANALYSIS	\$60.00	
	6/7/2018	113	1109370		1 LAB SAMPLE ANALYSIS	\$20.00	
	6/7/2018	113	1109163		4 LAB SAMPLE ANALYSIS	\$240.00	
	6/7/2018	113	1109162		9 LAB SAMPLE ANALYSIS	\$540.00	
	6/7/2018	113	1109593		3 LAB SAMPLE ANALYSIS	\$70.00	
	6/7/2018	113	1109031		13 LAB SAMPLE ANALYSIS	\$830.00	
168051	6/14/2018	170	991422	MIL-RAM TECHNOLOGY, INC	1 MIL RAM H2S SENSOR & PUMP MODULE	\$1,818.90	\$1,818.90
168066	6/14/2018	132	9469	TURNER RISK CONSULTING INC	TRAFFIC FLAGGING REFRESHER 2018 - (12) STUDENTS	\$1,755.00	\$1,755.00
167939	6/7/2018	121	838065	BRENNTAG PACIFIC, INC.	2564 LBS SODIUM HYDROXIDE	\$692.73	\$1,736.58
	6/7/2018	121	838700		1282 LBS SODIUM HYDROXIDE	\$347.95	
	6/7/2018	121	838699		2564 LBS SODIUM HYDROXIDE	\$695.90	
168035	6/14/2018	131	217	FORMULA DESIGN	SCHOOL PRESENTATION CALENDAR REPLACEMENT	\$1,700.00	\$1,700.00
167942	6/7/2018		226844	BURKE, WILLIAMS & SORENSON LLP	COGEN - APRIL 2018	\$1,638.00	\$1,638.00
168004	6/7/2018	111	3850000033835	VASCO ROAD LANDFILL	LANDFILL DISPOSAL FEES FOR SEWER DEBRIS	\$1,626.72	\$1,626.72
168073	6/14/2018	121	40941	WECO INDUSTRIES LLC	CAMERA REPAIR WHEEL MODULES TX322 & TX323	\$1,422.16	\$1,422.16
168061	6/14/2018	111	18052316	S&S TRUCKING	TEMPORARY GRIT HAULING 4/1/18 TO 6/30/18	\$918.00	\$1,323.00
	6/14/2018	111	18052435		TEMPORARY GRIT HAULING 4/1/18 TO 6/30/18	\$405.00	
167993	6/7/2018	111	18051612	S&S TRUCKING	TEMPORARY GRIT HAULING 4/1/18 TO 6/30/18	\$1,282.50	\$1,282.50

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168052	6/14/2018	123	128538	MUNICIPAL MAINT EQUIPMENT INC	CHAIN FOR NOZZLE - 10.125	\$1,254.75	\$1,254.75
167977	6/7/2018	111	20180601	MARCUS LEE	EXP REIMB: REG, MEMBERSHIP, AIRFARE-WEF/CWEA MEMBERSHII	\$1,206.40	\$1,206.40
167999	6/7/2018	132	1081	THE BODINE GROUP	IBB NEGOTIATION FACILITATION	\$1,200.00	\$1,200.00
168028	6/14/2018		46477340001	CRESCO EQUIP RENTALS & AFFIL	EQUIP RENTAL: MINI CHANGEABLE MESSAGE SIGN	\$1,167.11	\$1,167.11
167951	6/7/2018		42462	CLAREMONT BEHAVIORAL SERVICES	JUN 2018 EAP PREMIUMS	\$648.60	\$1,098.60
	6/7/2018	132	42490		HARASSMENT PREVENTION TRAINING FOR MANAGERS-BAL DUE	\$450.00	
168020	6/14/2018	121	840211	BRENNTAG PACIFIC, INC.	3846 LBS SODIUM HYDROXIDE	\$1,039.10	\$1,039.10
167975	6/7/2018	113	19027590	KELLY SERVICES INC	TEMP LABOR-GONZALEZ, E. WK END 05/13/2018	\$1,036.20	\$1,036.20
168043	6/14/2018	110	20026231	KELLY SERVICES INC	TEMP LABOR-GONZALEZ, E. WK END 05/20/2018	\$1,027.57	\$1,027.57
167932	6/7/2018	170	631389	A-PRO PEST CONTROL INC	MAY PEST CONTROL	\$1,005.00	\$1,005.00
167946	6/7/2018		MXT2255	CDW GOVERNMENT LLC	(17) WYSE THIN CLIENTS FOR SCADA VIEWNODES	\$996.88	\$996.88
168011	6/14/2018	123	68912	AIR & TOOL ENGINEERING COMPANY	RETROFIT FOR AIRSAW	\$968.92	\$968.92
167934	6/7/2018		11351382	AT&T	SERV: 04/13/18 - 05/12/18	\$66.05	\$955.66
	6/7/2018		11351383		SERV: 04/13/18 - 05/12/18	\$87.59	
	6/7/2018		11351379		SERV: 04/13/18 - 05/12/18	\$759.08	
	6/7/2018		11351381		SERV: 04/13/18 - 05/12/18	\$42.94	
168008	6/7/2018	121	40992	WECO INDUSTRIES LLC	REPLACED CLUTCH SHAFT ON CAMERA	\$953.94	\$953.94
167973	6/7/2018	131	20180605	TODD JACOB	EXP REIMB: SHAREPOINT CONF - LODGING, PER DIEM, & TAXI	\$876.40	\$876.40
168041	6/14/2018	170	944720180528	HOME DEPOT CREDIT SERVICES	MONTHLY HARDWARE STMT - MAY 2018	\$876.21	\$876.21

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167953	6/7/2018	110	20180601.1	MITCHELL COSTELLO	EXP REIMB: LODGING - WEFTEC CONF		
	6/7/2018	110	20180601		EXP REIMB: AIRFARE - WEFTEC CONF	\$471.72	\$829.50
						\$357.78	
167929	6/7/2018	110	4071037120180520	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 05/19/18-BENSON ROAD		
	6/7/2018	110	4071038120180521		SERV TO: 05/19/18-BENSON ROAD	\$699.81	\$827.13
						\$127.32	
168057	6/14/2018	121	820137928	RED WING BUS ADVANTAGE ACCT	SAFETY SHOES: J. POWELL		
	6/14/2018	122	820138783		SAFETY SHOES: J. RODRIGUES	\$186.79	\$813.37
	6/14/2018	171	820139675		SAFETY SHOES: L. RIVERA	\$152.40	
	6/14/2018	111	169133218		SAFETY SHOES: A. DUCAUD	\$185.71	
	6/14/2018	172	820133224		SAFETY SHOES: M. HOVEY	\$135.27	
						\$153.20	
168036	6/14/2018	111	9783080550	GRAINGER INC	6 ASTD SCRUB BRUSHES		
	6/14/2018	171	9782882253		2 MAINWHEEL KITS	\$17.19	\$784.73
	6/14/2018	170	9783879134		1 VENTED OIL GAUGE	\$154.53	
	6/14/2018	122	9784386329		1 ENCLOSURE	\$75.56	
	6/14/2018	170	9780360476		50 PKS NAME BADGE MAGNETIC STRIPS	\$292.70	
						\$244.75	
168019	6/14/2018	170	12661690	BLAISDELL'S	3 FELT ERASERS		
	6/14/2018	141	12672510		ASTD OFFICE SUPPLIES	\$14.45	\$758.87
	6/14/2018	113	12672070		ASTD OFFICE SUPPLIES	\$180.78	
	6/14/2018	130	12664170		ASTD OFFICE SUPPLIES	\$451.53	
	6/14/2018	170	12670400		ASTD OFFICE SUPPLIES	\$42.60	
						\$69.51	

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168039	6/14/2018	123	1907646	HANSON AGGREGATES INC	10.09 TONS 1/2 MED TYPE A AC-R	\$757.78	\$757.78
167936	6/7/2018	136	2522106312	BANK OF NEW YORK	APR 2018 SERVICE FEE	\$716.74	\$716.74
167990	6/7/2018	170	44429	ROCHESTER MIDLAND CORPORATION	HOT WATER LOOP SERVICE	\$687.46	\$687.46
167971	6/7/2018	122	602993623	HILLYARD/SAN FRANCISCO	2 DISP ROLL TISSUE 9IN SINGLE JUMBO BLACK	\$53.40	\$684.46
	6/7/2018		602993624		ASTD JANITORIAL SUPPLIES	\$631.06	
167963	6/7/2018		1369956	FERGUSON ENTERPRISES, INC.	10 VICTAULIC COUPLINGS	\$652.46	\$652.46
168024	6/14/2018		54K120401	CINTAS CORPORATION NO. 2	UNIFORM LAUNDERING & RUGS	\$223.40	\$634.37
	6/14/2018		54K000016		CREDIT: INV 54K112484 - UNIFORM LAUNDERING SERVICE	\$-13.12	
	6/14/2018		54K120400		UNIFORM LAUNDERING SERVICE	\$406.87	
	6/14/2018	122	54K120402		ASTD DUST MOPS, WET MOPS & TERRY TOWEL	\$17.22	
168071	6/14/2018		8082430102	VWR INTERNATIONAL LLC	6 PKS TUBE HYDROGEN SULFIDE DETECTOR	\$509.74	\$631.84
	6/14/2018		8082434045		1 PACK FILTERS	\$122.10	
168026	6/14/2018	131	511535	COMTEL SYSTEMS TECHNOLOGY	REPAIR TO IRVINGTON PS SECURITY ACCESS PANEL	\$620.00	\$620.00
168062	6/14/2018	131	578155	SAFARI BOOKS ONLINE LLC	SAFARI BOOKS ONLINE SUBSCRIPTION RENEWAL	\$598.00	\$598.00
167972	6/7/2018		1060399	INDUSTRIAL SAFETY SUPPLY	(2) CYL CALIBRATION GAS	\$589.88	\$589.88
167960	6/7/2018		20180601	PAUL ELDREDGE		\$578.71	\$578.71
168009	6/7/2018	110	20180601	WEF-WATER ENVIRONMENT FEDERATI	WEFTEC ANNUAL CONF 2018 - COSTELLO, M.	\$575.00	\$575.00
167976	6/7/2018	170	6260000132443	KELLY-MOORE PAINT COMPANY	ASTD PAINT SUPPLIES	\$562.33	\$562.33

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167937	6/7/2018	130	12650320	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$23.04	\$536.52
	6/7/2018	170	12648310		1 LETTER OPENER/1 UTILITY KNIFE	\$11.61	
	6/7/2018	141	12648460		ASTD OFFICE SUPPLIES	\$16.41	
	6/7/2018	113	12652010		ASTD OFFICE SUPPLIES	\$166.32	
	6/7/2018	144	12599160		3 BX FOLDERS	\$74.60	
	6/7/2018	130	12653000		ASTD MARKERS	\$15.03	
	6/7/2018	143	12646820		1 TONER	\$182.17	
	6/7/2018	130	12652990		1 BX HANGING FOLDERS	\$5.02	
	6/7/2018	143	12648330		1 WASTE UNIT	\$32.91	
	6/7/2018	130	12655400		1 VIEW BINDER & 4 5 TAB INDEX	\$9.41	
167962	6/7/2018		233654	ENVIRONMENTAL PRODUCTS & ACCES	2 90 DEGREE REEL SWIVELS	\$536.49	\$536.49
168055	6/14/2018		20180611	PETTY CASH	PETTY CASH REPLENISHMENT	\$525.17	\$525.17
167997	6/7/2018		20180521	EDWARD TATOLA	TUITION REIMB: SPRING 2018	\$518.75	\$518.75
168000	6/7/2018		1033451130	TPX COMMUNICATIONS	WIRELESS INTERNET BACKUP - MAY	\$513.59	\$513.59
167981	6/7/2018	172	64297459	MCMASTER SUPPLY INC	(1) HOLE SAW KIT	\$82.34	\$506.87
	6/7/2018	170	64565582		ASTD PARTS & MATERIALS	\$45.37	
	6/7/2018	170	63475507		1 US FLAG	\$98.38	
	6/7/2018	170	64170526		ASTD PARTS & MATERIALS	\$280.78	
167941	6/7/2018		8773	BT CONSTRUCTION & PROPERTIES	REFUND # 21084	\$500.00	\$500.00

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167959	6/7/2018		9605	E Z PLUMBING	REFUND # 21069		
						\$500.00	\$500.00
167965	6/7/2018	132	12107	CITY OF FOSTER CITY	2 JOB POSTINGS		
						\$500.00	\$500.00
167987	6/7/2018		9666	R&L CONSTRUCTION	REFUND # 21070		
						\$500.00	\$500.00
168031	6/14/2018		9675	E Z PLUMBING	REFUND # 21090		
						\$500.00	\$500.00
168047	6/14/2018		8305	LI XIN LI	REFUND # 21096		
						\$500.00	\$500.00
167950	6/7/2018	122	54K119517	CINTAS CORPORATION NO. 2	ASTD DUST MOPS, WET MOPS & TERRY TOWEL		
						\$17.22	\$498.23
	6/7/2018		54K119516		UNIFORM LAUNDERING & RUGS		
						\$219.21	
	6/7/2018		54K010044		CREDIT: MULTIPLE INVS - UNIFORMS		
						\$-11.83	
	6/7/2018		54K119515		UNIFORM LAUNDERING SERVICE		
						\$303.17	
	6/7/2018		54K010045		CREDIT: MULTIPLE INVS - UNIFORMS		
						\$-29.54	
168016	6/14/2018	170	25094	ALLIED FLUID PRODUCTS CORP	(8) 16" GASKETS		
						\$426.03	\$426.03
167927	6/7/2018		20152448	ABC IMAGING, INC.	PUBLIC OUTREACH		
						\$417.05	\$417.05
167938	6/7/2018		20180606	GENE BOUCHER	EXP REIMB: OST TEAM SAFETY RECOGNITION		
						\$416.55	\$416.55
167928	6/7/2018		22932	AIRSCENT INTERNATIONAL	GRANULAR ODOR COUNTERACTANT		
						\$391.81	\$391.81
167991	6/7/2018	136	20180604	JAMIE ROJO	PER DIEM ADVANCE - APA PAYROLL 201 COURSE		
						\$378.00	\$378.00
167969	6/7/2018		10965371	HACH COMPANY	ASTD MEMBRANE KITS & TUBING		
						\$375.64	\$375.64
168001	6/7/2018	123	95927	TRI-SIGNAL INTEGRATION INC	ELEVATOR INSPECTION		
						\$350.00	\$350.00
167985	6/7/2018	141	40108360	NEOPOST INC	NEOPOST MACHINE SERVICE		
						\$310.00	\$310.00
168070	6/14/2018		9808155778	VERIZON WIRELESS	WIRELESS SERV 05/02/18-06/01/18 & (6) IPADS		
						\$299.83	\$299.83

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167994	6/7/2018	170	85340220180522	SAN FRANCISCO WATER DEPT	SERVICE 04/20/2018 TO 05/21/2018	\$276.46	\$276.46
167983	6/7/2018	170	24035769	MOTION INDUSTRIES INC	ASTD PARTS & MATERIALS	\$270.22	\$270.22
168074	6/14/2018	110	20180430	WEF-WATER ENVIRONMENT FEDERATI	WEF MEMBERSHIP T GRILLO	\$255.00	\$255.00
168010	6/7/2018	131	6017298	WEST SAFETY SERVICES INC	E911 CLOUD SERVICE	\$250.00	\$250.00
167933	6/7/2018		20180531	ROLLIE ARBOLANTE	EXP REIMB: CUSTOMER SERVICE TEAM ANNUAL RECOGNITION	\$249.25	\$249.25
168013	6/14/2018	144	6000	ALAMEDA COUNTY TREASURER	EXCEL CLASS: A. TEIXEIRA	\$215.00	\$215.00
168033	6/14/2018	113	1000509911	ENVIRONMENTAL EXPRESS	ASTD LAB SUPPLIES	\$194.64	\$194.64
168007	6/7/2018	113	8082312589	VWR INTERNATIONAL LLC	1 BOTTLE COD STANDARD SOLUTION	\$41.77	\$193.50
	6/7/2018	113	8082372689		LAB SUPPLIES	\$151.73	
168063	6/14/2018		20180612	JAMES SCHOFIELD	EXP REIMB: CENTENNIAL/SAFETY RECOGNITION MEAL	\$176.63	\$176.63
167949	6/7/2018	144	54789847	CINTAS CORPORATION	WORK SHIRT REPLACEMENTS - E. MARASIGAN	\$170.27	\$170.27
167955	6/7/2018		20180604	RICHARD CZAPKAY	EXP REIMB: CS BREAKFAST FOR CENTENNIAL OPEN HOUSE CREW	\$158.10	\$158.10
168023	6/14/2018	143	20180612	RAYMOND CHAU	EXP REIMB: MEAL FOR MBR TREATMENT PLAN SITE VISIT	\$139.64	\$139.64
167966	6/7/2018	122	1841083209	GOODYEAR COMM TIRE & SERV CTRS	(21) TIRE DISPOSAL	\$136.50	\$136.50
167948	6/7/2018		20180531	KEVIN CHUN	EXP REIMB: PE LICENSE RENEWAL FEE	\$115.00	\$115.00
167988	6/7/2018		94625	REMOTE SATELLITE SYSTEMS INT'L	IRIDIUM SVC FEE JUNE 2018	\$112.00	\$112.00
167978	6/7/2018	110	20180605	CONGNA LI	EXP REIMB: BOOK - ACTIVAED SLUDGE & NUTRIENT REMOVAL	\$109.50	\$109.50
168050	6/14/2018	170	42421	METROMOBILE COMMUNICATIONS INC	1 MOTOROLA RADIO TRI CHARGER	\$92.92	\$92.92
168015	6/14/2018	170	5185032	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$92.05	\$92.05

**UNION SANITARY DISTRICT
CHECK REGISTER
06/02/2018-06/15/2018**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
168060	6/14/2018		3190329001	S & S SUPPLIES & SOLUTIONS	ASTD PPE	\$79.46	\$79.46
168029	6/14/2018		20180417	CWEA	TRAINING REG: JACKSON, D. - TNI LAB ACCREDITATION STANDARC	\$65.00	\$65.00
168030	6/14/2018		20180417.1	CWEA	SCVS LAB SEMINAR REGISTRATION: SEO, JOHN	\$65.00	\$65.00
167957	6/7/2018		615320180520	DISH NETWORK	JUN 2018 - SERVICE FEE	\$60.90	\$60.90
167970	6/7/2018	130	269432	HANIGAN COMPANY INC	1 LOT BUSINESS CARDS: KING, K.	\$28.68	\$28.68
168038	6/14/2018	136	269347	HANIGAN COMPANY INC	1 LOT BUSINESS CARDS: CALVO, S.	\$28.68	\$28.68
167995	6/7/2018		8122768051718	SIERRA SPRING WATER COMPANY	BOTTLESS COOLERS RENTAL	\$19.98	\$19.98
168003	6/7/2018	136	98XW53198	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 05/12/18	\$13.68	\$13.68

Invoices:

Credit Memos :	3	-54.49
\$0 - \$1,000 :	199	59,900.73
\$1,000 - \$10,000 :	62	
\$10,000 - \$100,000 :	21	703,573.23
Over \$100,000 :	2	353,895.47
Total:	287	1,296,712.48

Checks:

\$0 - \$1,000 :	72	31,499.23
\$1,000 - \$10,000 :	59	195,430.03
\$10,000 - \$100,000 :	19	689,138.21
Over \$100,000 :	2	380,645.01
Total:	152	1,296,712.48



CITY GOVERNMENT, COMMUNITY, SUSTAINABILITY

RECYCLED WATER ON WAY FOR IRRIGATION AND INDUSTRIAL USES

June 12, 2018



The City of Hayward begins construction this month on a nearly \$30 million project to provide recycled water to a limited number of its irrigation and industrial customers within approximately three miles of the city's Water Pollution Control Facility.

The project will create a new safe and sustainable water source that conserves drinking water supplies. Recycled water is a drought-proof water supply that will improve water-supply reliability while reducing the volume of treated wastewater discharges to San Francisco Bay.

Recycled water will be produced at the Water Pollution Control Facility at 3700 Enterprise Avenue and be distributed to schools, parks and businesses for irrigation and industrial purposes through a new, separate distribution system to be installed over the next 18 months.

Project funding is being provided through California Proposition 1 water bonds and a low-interest State Revolving Fund loan. Installation of distribution system pipelines, pump stations and a storage tank will be followed by retrofitting of customer connections to

convert irrigation and industrial customers from potable water to recycled water. Recycled water deliveries should begin by the middle of 2020.

Initially, the system will extend north of the Water Pollution Control Facility along Cabot Boulevard to W. Winton Avenue; south on Whitesell Street to Highway 92; east on Depot Road past Industrial Boulevard; and to the southeast along Industrial Boulevard, branching as far south as Eden Park Place and east across Hesperian Boulevard to Calaroga Avenue. For a system map, more information on the project and to follow progress, visit the City of Hayward website.



Dumping of sewage no longer allowed in Castro Valley manhole



As of June 14, 2018, the Castro Valley Sanitary District will no longer be allowing raw sewage to be dumped in a manhole in a residential neighborhood along Norbridge Avenue.

By: [Brooks Jarosz](#)

Posted: Jun 19 2018 10:32AM PDT

CASTRO VALLEY, Calif. - Septic tank service trucks are no longer allowed to dump raw sewage into a manhole in a Castro Valley neighborhood following complaints exposed in a 2 Investigates report last month.

A letter dated June 14 was sent to residents stating the Castro Valley Sanitary District has chosen to suspend discharge permits for trucks hauling wastewater and dumping along the sidewalk on Norbridge Avenue just west of Nunes Avenue. This

ends "until further notice" a program the district had launched in 2015, which had allowed trucks hauling sewage to legally dump at the assigned manhole.

Neighbors in May told 2 Investigates that they've complained for years to various agencies about the repeat dumping and couldn't understand why the sanitary district managers would pick a neighborhood street and sidewalk as the selected site to dump human waste.

At the time, the sanitation district stood by its practice.

But this week's letter shows the sanitary district said it wants time to perform a review and evaluation of the discharge process. The companies hauling wastewater have been told no dumping is allowed until further notice and Castro Valley Sanitary District will be periodically monitoring the manhole on Norbridge Avenue to ensure discharges do not continue.

Last fiscal year, the sewage program generated more than \$20,000 for Castro Valley. The district explained the spot was chosen because the manhole connects to larger pipes capable of handling thousands of gallons of sewage, opposed to other spots in the district.

Since the 2 Investigates report several weeks ago, neighbors said they have not seen a single truck on their street.

"The airing of this issue brought attention and resolve to an issue we have been facing for years," neighbor Jason Wright said. "I will speak on behalf of my neighbors to say that since the airing of this issue we have had a better way of life as the trucks have not returned!"

If neighbors notice any trucks dumping in neighborhood manholes, they are asked to call the Castro Valley Sanitary District front desk at 510-537-0757.

Compliance groups have successfully implemented measures to control roots and grease to help minimize spills and back-ups.

Financial State of the District

Revenues have been consistent with the projections outlined in the COSA and there has been a continued increase in development activity in the Districts service area. While economic conditions within the service area have improved, the District continues to exercise fiscal prudence. It is because of this cautionary approach that the District has continued to remain fiscally sound.

USD has seen increases in permit applications in the past twelve months, and that is expected to continue in FY 2019. A portion of USD capital projects is funded by capacity fees; however, the majority are funded through Sewer Service Charges. The District continues to be vigilant in its efforts to control expenses. Like other agencies, USD faces significant pressures associated with the costs of health care, pensions, chemicals, treatment plant utilities (primarily PG&E), aging infrastructure and other capital expenditures.

Revenues

Sewer Service Charges are expected to increase from \$54.9 million in FY 2018 to \$57 million in FY 2019 due to the third increase of the approved 5-year rate study. The Districts revenues remain relatively stable despite the slight volatility in non-residential revenues.

Capacity Fee revenues incorporate increased capacity fees approved by the Board, effective July 1, 2016, which are being phased in over a 4-year period. The Tri-City area is experiencing a continued increase in construction development; it is unclear when that trend might begin to slow. The District, in consultation with the three cities, carefully evaluates all the residential and non-residential projects in the service area for the upcoming year and prepares an estimate of anticipated growth and development. As a result, total capacity fee revenues are expected to come in at over \$16.2 million in FY 2019, similar to the 2018 actuals. Anticipated expenditures associated with capacity fees over the next several years indicate that there will likely be an overall declining balance in this fund.

Expenditures

The total increase in budget for the sewer service charges (fund 80) is approximately 2.5% while operating expenses are anticipated to increase by 6.3%, primarily due to salary and pension contribution rate increases. Chemical costs have been relatively stable due to the District's participation in the Bay Area Chemical Consortium; however, the District is budgeting for fairly significant increases in several chemicals utilized in the treatment process for FY 2019. The increase is primarily due to an increase in raw materials used in the manufacturing.

No significant changes to the number of District employees are budgeted during this fiscal year. The District filled many vacancies during FY 2018, mostly attributable to planned retirements. Balancing the District's ability to attract and retain a qualified workforce against the bottom line