



**BOARD MEETING AGENDA**  
**Monday, April 27, 2015**  
**Regular Meeting - 7:00 P.M.**

**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

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

David M. O'Hara  
*Attorney*

1. Call to Order.

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2. Pledge of Allegiance.

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3. Roll Call.

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- Motion 4. Approve Minutes of the Meeting of April 13, 2015.

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5. Monthly Operations Report for March 2015 *(to be reviewed by the Budget & Finance Committee)*

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6. Written Communications.

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7. 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.*

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- Motion 8. Authorize the General Manager to Execute an Agreement and Task Order No. 1 with The Covello Group, Inc. for Providing Construction Management Services for the Newark Backyard Sanitary Sewer Replacement Project Phase 2 and Miscellaneous Spot Repairs Project - Phase 6 *(to be reviewed by the Construction Committee)*.

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- Motion 9. Authorize the General Manager to Execute Task Order No. 2 with West Yost Associates for Providing Design Services for the Plant Facilities Improvements Project *(to be reviewed by the Construction Committee)*.

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- Motion 10. Approve a Motion to Reschedule the May 25, 2015, Board of Directors Meeting.

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- Information 11. Information Items:
  - a. Check Register.
  - b. Cal-Card Quarterly Activity Report *(to be reviewed by the Budget & Finance Committee)*.

- c. Certificates of Merit to Union Sanitary District's Class I Permitted Industries *(to be reviewed by the Legal/Community Affairs Committee)*.
  - d. Third Quarterly Report on the Capital Improvement Program (CIP) for FY 15 *(to be reviewed by the Construction Committee)*.
  - e. Status of Priority 1 CIP Projects *(to be reviewed by the Construction Committee)*.
  - f. Report on the EBDA Commission Meeting of April 16, 2015.
  - g. Discuss Topics for the General Manager Check-in Workshop Scheduled for April 30, 2015.
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- Information 12. Committee Meeting Reports. *(No Board action is taken at Committee meetings):*
- a. Construction Committee – scheduled for Thursday, April 23, 2015, at 8:45 a.m.
  - b. Legal/Community Affairs Committee – scheduled for Friday, April 24, 2015, at 9:30 a.m.
  - c. Budget & Finance Committee – scheduled for Friday, April 24, 2015, at 10:00 a.m.
  - d. Personnel Committee – will not meet.
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- Information 13. General Manager's Report. *(Information on recent issues of interest to the Board)*.
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- Information 14. 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.
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15. Adjournment – The Board will adjourn to the Check-in with the General Manager Workshop in the Boardroom on Thursday, April 30, 2015, at 6:30 p.m.
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16. Adjournment – The Board will then adjourn to the next Regular Meeting in the Boardroom on Monday, May 11, 2015, at 7:00 p.m.
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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

**NOTICE OF  
COMMITTEE MEETING**

All meetings will be held in  
the General Manager's Office



**BOARD MEETING OF APRIL 27, 2015**

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**Committee Membership:**

Budget and Finance	Directors Anjali Lathi and Tom Handley (Alt. – Pat Kite)
Construction Committee	Directors Pat Kite and Jennifer Toy (Alt. – Manny Fernandez)
Legal/Community Affairs	Directors Pat Kite and Tom Handley (Alt. –Anjali Lathi)
Legislative Committee	Directors Manny Fernandez and Jennifer Toy (Alt–Tom Handley)
Personnel Committee	Directors Manny Fernandez and Anjali Lathi (Alt. – Jennifer Toy)
Audit Committee	Directors Manny Fernandez and Tom Handley (Alt. Jennifer Toy)

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**Construction Committee, Thursday, April 23, 2015, at 8:45 a.m.**

8. Authorize the General Manager to Execute an Agreement and Task Order No. 1 with The Covello Group, Inc. for Providing Construction Management Services for the Newark Backyard Sanitary Sewer Replacement Project Phase 2 and Miscellaneous Spot Repairs Phase 6 Projects.
  9. Authorize the General Manager to Execute Task Order No. 2 with West Yost Associates for Providing Design Services for the Plant Facilities Improvements Project.
  - 11d. Third Quarterly Report on the Capital Improvement Program (CIP) for FY 15.
  - 11e. Status of Priority 1 CIP Projects.
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**Legal/Community Affairs Committee, Friday, April 24, 2015, at 9:30 a.m.**

- 11c. Certificates of Merit to Union Sanitary District's Class I Permitted Industries.
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**Budget & Finance Committee, Friday, April 24, 2015, at 10:00 a.m.**

5. Monthly Operations Report for March 2015.
  - 11b. Cal-Card Quarterly Activity Report.
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Committee meetings may include teleconference participation by one or more Directors.  
(Gov. Code Section 11123)

Committee Meetings are open to the public. Only written comments will be considered. No action will be taken.

**MINUTES OF THE MEETING OF THE  
BOARD OF DIRECTORS OF  
UNION SANITARY DISTRICT  
April 13, 2015**

**CALL TO ORDER**

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

**PLEDGE OF ALLEGIANCE**

**ROLL CALL**

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

STAFF: Paul Eldredge, General Manager  
Dave O'Hara, District Counsel  
Rich Cortés, Business Services Manager  
Sami Ghossain, Technical Services Manager  
James Schofield, Collection Services Manager  
Armando Lopez, Treatment & Disposal Services Manager  
Maria Scott, Principal Financial Analyst  
Regina McEvoy, Assistant to the GM/Board Secretary

**APPROVAL OF THE MINUTES OF MARCH 23, 2015**

It was moved by Director Kite, seconded by Secretary Handley, to Approve the Minutes of the Board of Director's Meeting held March 23, 2015. Motion carried unanimously.

**WRITTEN COMMUNICATIONS**

There were no written communications.

**ORAL COMMUNICATIONS**

There were no oral communications.

**APPROVE INCREASE TO PAY RANGE OF WASTEWATER OPERATIONS COACH**

This item was reviewed by the Personnel Committee. Treatment & Disposal Services Manager Lopez stated that following the December 2014 recruitment for Wastewater Operations Coach (Night) it was determined it would be in the District's best interest to conduct a second recruitment. Staff proposed the Wastewater Operations Coach pay range be increased to meet current market conditions and to increase the night shift differential. The recommended

increase would bring the pay range for the Wastewater Operations Coach classification in line with other similar agencies, thereby making the position more attractive to qualified applicants.

It was moved by Director Lathi, seconded by Director Kite, to Approve the Increase to the Pay Range of Wastewater Operations Coach. Motion carried unanimously.

### **APPROVE PUBLICLY AVAILABLE PAY SCHEDULE**

This item was reviewed by the Personnel Committee. The Publicly Available Pay Schedule, effective April 13, 2015, reflects adjustments for negotiated Classified employee salary increases and the Board approved adjustment to the Wastewater Operations Coach salary.

It was moved by Director Lathi, seconded by Secretary Handley, to Approve the Publicly Available Pay Schedule. Motion carried unanimously.

### **AWARD THE CONSTRUCTION CONTRACT FOR THE NEWARK BACKYARD SANITARY SEWER REPLACEMENT PROJECT – PHASE 2 TO RANGER PIPELINES, INC.**

This item was reviewed by the Construction Committee. Technical Services Manager Ghossain stated staff prepared and distributed a desk item to correct a typo in the memo for this item. The purpose of the Project is to improve the existing gravity sewer system within the residential neighborhood located near the intersection of Dairy Avenue and Cherry Street in the City of Newark. The goal of the Project is to relocate existing backyard sewer mains and laterals to public streets fronting the homes. Ranger Pipelines, Inc. submitted the lowest of the two bids received for the Project, which was approximately 19% below the Engineer's Estimate. District staff will hold a public information meeting regarding the project at James Graham Elementary School at 6:00 p.m. on April 22, 2015. Staff recommended the Board award the contract for the Newark Backyard Sanitary Sewer Replacement Project – Phase 2 to Ranger Pipelines, Inc. in the amount of \$2,085,270.

It was moved by Secretary Handley, seconded by President Fernandez, to Award the Construction Contract for the Newark Backyard Sanitary Sewer Replacement Project – Phase 2 to Ranger Pipelines, Inc. Motion carried unanimously.

### **AUTHORIZE THE GENERAL MANAGER TO EXECUTE AMENDMENT NO. 1 TO TASK ORDER NO. 3 WITH CAROLLO ENGINEERS FOR PROVIDING ENGINEERING SERVICES DURING CONSTRUCTION OF THE COGENERATION PROJECT**

This item was reviewed by the Construction Committee. Technical Services Manager Ghossain stated several construction contract change orders added significant scope to the Project, which required additional engineering services from Carollo. Staff recommended the Board authorize the General Manager to execute Amendment No. 1 to Task Order No. 3 with Carollo Engineers in the amount of \$130,376 for providing engineering services during construction of the Cogeneration Project.

It was moved by Director Kite, seconded by Director Lathi, to Authorize the General Manager to Execute Amendment No. 1 to Task Order No. 3 with Carollo Engineers for Providing Engineering Services During Construction of the Cogeneration Project. Motion carried unanimously.

**SCHEDULE A PUBLIC HEARING TO ADOPT ORDINANCE NO. 36.03, SEWER USE ORDINANCE**

This item was reviewed by the Legal/Community Affairs Committee. Technical Services Manager Ghossain stated Ordinance No. 36 provides requirements for restrictions on discharges to the sanitary sewer, and establishes requirements for the District's pretreatment program. The proposed changes to Ordinance No. 36 are to adopt an ammonia local limit, adjust the name and version convention, and revise both the signature requirement and hazardous waste discharge notification to align with current Federal Regulations. Staff will publish the Notice of Public Hearing in the Argus newspaper on April 15 and 22, 2015.

It was moved by Vice President Toy, seconded by Director Lathi, to Schedule a Public Hearing to Adopt Ordinance No. 36.03, Sewer Use Ordinance to be held at 7:00 p.m. on Tuesday, May 26, 2015. Motion carried unanimously.

**APPROVE A CHANGE ORDER TO THE AGREEMENT WITH RAFTELIS FINANCIAL CONSULTANTS, INC. FOR THE SEWER SERVICE CHARGE COST OF SERVICE STUDY**

This item was reviewed by the Budget & Finance Committee. Principal Financial Analyst Scott stated \$100,000 had been budgeted for the Cost of Service study, and the accepted bid from Raftelis Financial Consultants, Inc. was \$71,960. The requested change orders are for \$7,840, and will cover smoothing for all unit rates in the rate model and final report as well as model input revisions and feature changes required by the District for use of the new rate model. The anticipated completion date for the Study is June 30, 2015, and the Prop. 218 Notice should be sent by Fall for FY 2017 sewer service charge rates.

It was moved by Vice President Toy, seconded by Director Lathi, to Approve a Change Order to the Agreement with Raftelis Financial Consultants, Inc. for the Sewer Service Charge Cost of Service Study. Motion carried unanimously.

**RESOLUTION NO. 2755, MAKE RESPONSIBLE AGENCY FINDINGS PURSUANT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) FOR THE CITY OF NEWARK DUMBARTON TRANSIT-ORIENTED DEVELOPMENT SPECIFIC PLAN AREA, AND APPROVE ABANDONMENT OF THE FORCE MAINS WITHIN THE WETLANDS PARCEL FOR THE DEVELOPMENT**

This item was reviewed by the Legal/Community Affairs Committee. Technical Services Manager Ghossain stated a Board Workshop was held March 9, 2015, to discuss the force main. The proposed resolution is required for William Lyon Homes to proceed with its portion of the Torian property project which will include construction of 500 residential units and development of a wetland preserve. Technical Services Manager Ghossain stated the contractor for the new force main will be required to provide a performance bond making a surety company responsible if the contractor were to default on construction. District staff will negotiate an extended warranty for the new force mains beyond the standard one year warranty.

It was moved by Vice President Toy, seconded by Director Lathi, to adopt Resolution No. 2755 to Make Responsible Agency Findings Pursuant to the California Environmental Quality Act for the City of Newark Dumbarton Transit-Oriented Development Specific Plan Area, and

Approve Abandonment of the Force Mains within the Wetlands Parcel for the Development. Motion carried unanimously.

## **INFORMATION ITEMS:**

### **Check Register**

All questions were answered to the Board's satisfaction.

### **Cogeneration Project Construction Contract Change Order Summary**

Technical Services Manager Ghossain stated staff prepared and distributed a desk item to correct a typo in the memo for this item. The construction contract for the Project was awarded to D.W. Nicholson Corporation in the amount of \$10,566,358 on March 11, 2013. Staff issued Project Substantial Completion on March 4, 2015, and all field work is expected to be completed by May 2015. The Project was designed by Carollo Engineers and The Covello Group provided construction management services. Staff has executed 97 contract change orders in the amount of \$1,113,617, which is 10.5% of the original construction contract amount. There are also 21 potential change orders currently under review for a total of \$363,375, which represents an additional 3.4% of the original construction contract amount. Staff anticipates the final contract change orders total will amount to less than 15%.

### **Earth Day 2015**

Technical Services Manager Ghossain stated Environmental Compliance staff will participate in the Earth Day event to be jointly hosted by the City of Fremont and Washington Hospital on April 25, 2015. The event will be held at the Washington Hospital Conrad E. Anderson, M.D. Auditorium located at 2500 Mowry Avenue in Fremont from 11:00 a.m. – 3:00 p.m. Environmental Compliance staff will share information related to pollution prevention including the use of less toxic products at home, reducing discharge of grease to the sewers, and proper disposal of mercury-containing devices and unused medications. The District will publish an announcement for this event in the April 21, 2015, edition of the Tri-City Voice.

### **Discuss Topics for the General Manager Check-in Workshop Scheduled for April 30, 2015**

General Manager Eldredge stated that, per Board direction, the General Manager Check-in Workshop will be held Thursday, April 30, 2015. Staff have identified FY 2016 goals, and the schedule and process for the General Manager's annual performance evaluation as topics for the workshop.

## **COMMITTEE MEETING REPORTS:**

The Legal/Community Affairs, Construction, Budget & Finance, and Personnel Committees met.

## **GENERAL MANAGER'S REPORT:**

- General Manager Eldredge stated District staff met with Alameda County Water District staff on March 31, 2015, to discuss reclaimed water. Discussions will be ongoing, and staff will provide updates to the Board.

- The District has received 47 inquiries to date regarding the Open House following distribution of the District Newsletter. All feedback regarding the Newsletter has been positive.
- The Experience Modifier, or Ex-Mod, is an indicator that reflects workers comp activities, and the District goal is one or less. The District Ex-Mod for 2016 is 1.01, which is down from the previous number of 1.16.
- Recruitment for the Human Resources Analyst position recently closed, and an offer has been made to the top candidate.
- A total of 14 individuals recently participated in the test for Fabrication, Maintenance, and Construction Coach, and interviews will be scheduled.
- Recruitment for Wastewater Operations Coach (Night) is scheduled to open soon.
- Recruitment has begun for Human Resources Manager and is scheduled to close on May 15, 2015.

**OTHER BUSINESS:**

Director Lathi proposed the Main Budget Workshop scheduled for Thursday, April 23 be rescheduled for Monday, April 20. The Board agreed by consensus to reschedule the Workshop to Monday, April 20, 2015, at 6:30 p.m.

**ADJOURNMENT:**

The meeting was adjourned at 7:44 p.m. to the Main Budget Workshop in the Boardroom on Monday, April 20, 2015, at 6:30 p.m.

The Board will then adjourn to the District Counsel Interviews Closed Session on Tuesday, April 21, 2015, at 1:00 p.m.

The Board will then adjourn to the next Regular Board Meeting in the Boardroom on Monday, April 27, 2015, at 7:00 p.m.

SUBMITTED:

ATTEST:

\_\_\_\_\_  
REGINA McEVOY  
SECRETARY TO THE BOARD

\_\_\_\_\_  
TOM HANDLEY  
SECRETARY

APPROVED:

\_\_\_\_\_  
MANNY FERNANDEZ  
PRESIDENT

Adopted this 27<sup>th</sup> day of April, 2015



**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

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

David M. O'Hara  
*Attorney*

**DATE:** April 21, 2015

**TO:** Board of Directors - Union Sanitary District

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

**SUBJECT:** Agenda Item No. 5 - Meeting of April 27, 2015  
Information Item: **Monthly Operations Report for March, 2015**

### **Background**

Attached is the March 2015 Operations Report. Staff is available to answer questions regarding information contained in the report.

### **Work Group Managers**

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

### **General Manager's Summary**

Below is a summary of major activities that occurred at the District during March 2015.

#### **ODOR COMPLAINTS:**

There was one odor complaint received in March from Fremont. District staff investigated the complaint and found a light grease odor coming from the USD main. Environmental Compliance staff inspected a nearby restaurant tied to the main and found them to be in compliance. Staff will continue to monitor for a reoccurrence of the odor.

#### **SAFETY:**

- We had one first aid incident during the month. An employee working in a TV van was overcome by carbon monoxide fumes because the wind was directing the truck exhaust into the truck. The employee was moved to fresh air and checked out by Fremont Urgent Care. Employee is fine.

- The employee that had the work related injury reported in February is now off work waiting for surgery.
- The Security Guard is now at the drive in gate each morning when most of the contractors arrive. We have reduced the number of unidentified vehicles entering the facility and are avoiding conflicts between pedestrians and vehicles.
- The USD Heat Illness Policy was updated to include the new requirements from Cal-OSHA in preparation for Summer.
- Staff worked hard to ensure the safety of guests touring the Co-Gen during the ribbon cutting ceremony.

**STAFFING & PERSONNEL:**

Recruitments and Selection

- The General Manager and Human Resources Administrator reviewed five proposals from executive search firms and selected Koff & Associates to conduct the Human Resources Administrator, Business Services Manager (Chief Financial officer), and Business Services Coach recruitments over the next several months.
- Increases to all employees' contributions (classified and unclassified) to PERS were increased by 1.5% effective March 1, 2015, bringing the total "classic" employee contribution to PERS to 6.5%. New members continue to pay 6.25% to PERS, which took effect in January, 2013, as part of the CalPERS Pension Reform Act."
- 3.5% COLA increases went into effect for classified employees on March 1, 2015.

**G.M. ACTIVITIES:** For the month of February, the GM was involved in the following:

- Participated in the Sewer Service Charge Rate Study Board Workshop
- Participated in the Force Main Workshop
- Attended the Alameda County LAFCO meeting regarding a property annexation to the USD service area
- Participated in the T&D Coach and Legislative Update Combined Board Workshop
- Attended the MAC and EBDA meetings
- Attended the Fremont State of the City event
- Attended a meeting with ACWD to discuss reclaimed water options and alternatives

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 March 2015

During the recording period from March 01, 2015 through March 31, 2015, there was one odor related service request received by the District.

### **City: Fremont**

#### **1. Complaint Details:**

*Date:* 3/29/2015

*Location:* FREMONT BL

*Wind (from):* East

*Temperature:* 68 Degrees F

*Time:* 5:05 pm

*Reported By:* Don

*Wind Speed:* 15 mph

*Weather:* Clear

#### **Response and Follow-up:**

We inspected USD mains, drain inlets and other restaurants in the area. We found a light grease odor coming from the USD main. We contacted the CS Coach who had us clean the line on April 2, 2015. We reported our findings to EC for follow up. EC inspected a restaurant that was tied to the main where the odor was detected. EC inspected the restaurant's grease trap and pumping records and found them in compliance. We will continue to monitor to check for a reoccurrence of the odor.



1. Odor found, USD resolved

**Legend**

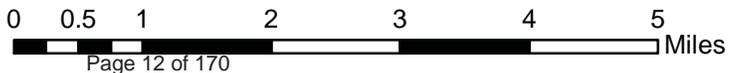
**Odor Complaints: March 2015**

- ^ Odor found, USD resolved (1)
- ! Odor found, not related to USD (0)
- # No odor found (0)

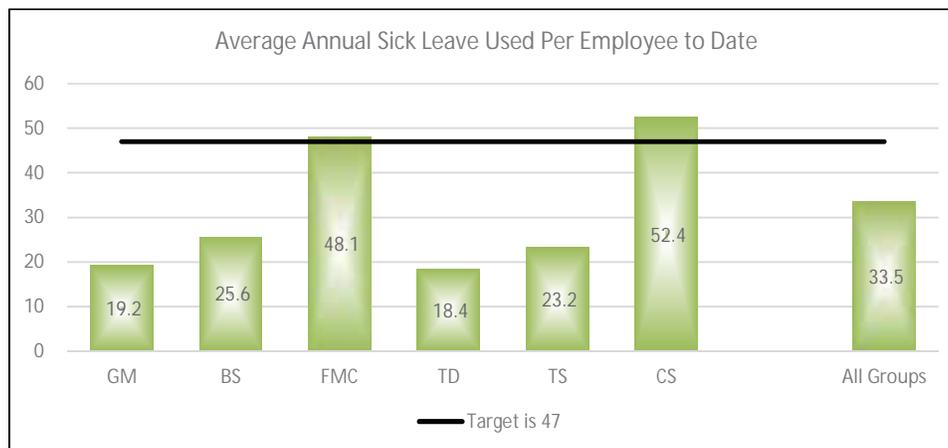
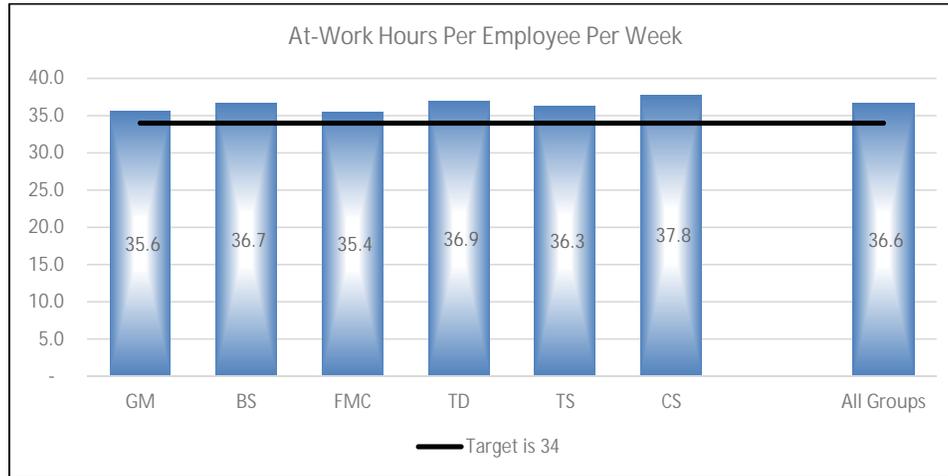
**Odor Complaints: Apr. 2014 to Feb. 2015**

- ^ Odor found, USD resolved (4)
- ! Odor found, not related to USD (5)
- # No odor found (16)

**Location of Odor Reports  
April 2014 to March 2015**



**HOURS WORKED AND LEAVE TIME BY WORK GROUP**  
**July 16, 2014 through April 8, 2015**  
**Weeks to Date: 38 out of 52 (73.1%)**



**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, 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**  
 July 16, 2014 through April 8, 2015  
 Weeks to Date: 38 out of 52 (73.1%)

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	FY14		
		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	3	4,032.53	29.00	35.6	830.00	-	-	-	19.2	3	34.0	26.4
BS	22	30,463.08	184.02	36.7	4,681.83	43.34	-	-	25.6	22	35.1	27.3
FMC	23	29,438.50	1,538.58	35.4	4,678.49	272.65	330.50	1,106.86	48.1	21	36.2	49.0
TD	25	34,515.75	577.65	36.9	4,185.66	101.72	-	459.88	18.4	24	34.4	56.9
TS	30	41,241.29	104.92	36.3	5,023.93	-	-	696.11	23.2	30	35.2	34.4
CS	30	39,628.22	3,465.80	37.8	6,096.12	108.54	163.50	1,572.62	52.4	31	35.4	58.6
<b>All Groups</b>	<b>133</b>	<b>179,319.37</b>	<b>5,899.97</b>	<b>36.6</b>	<b>25,496.03</b>	<b>526.25</b>	<b>494.00</b>	<b>4,456.72</b>	<b>33.5</b>	<b>131</b>	<b>35.2</b>	<b>45.1</b>

**SICK LEAVE INCENTIVE PROGRAM TARGETS**

**≥34**

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.

**≤47**

**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, which the District has no discretion.

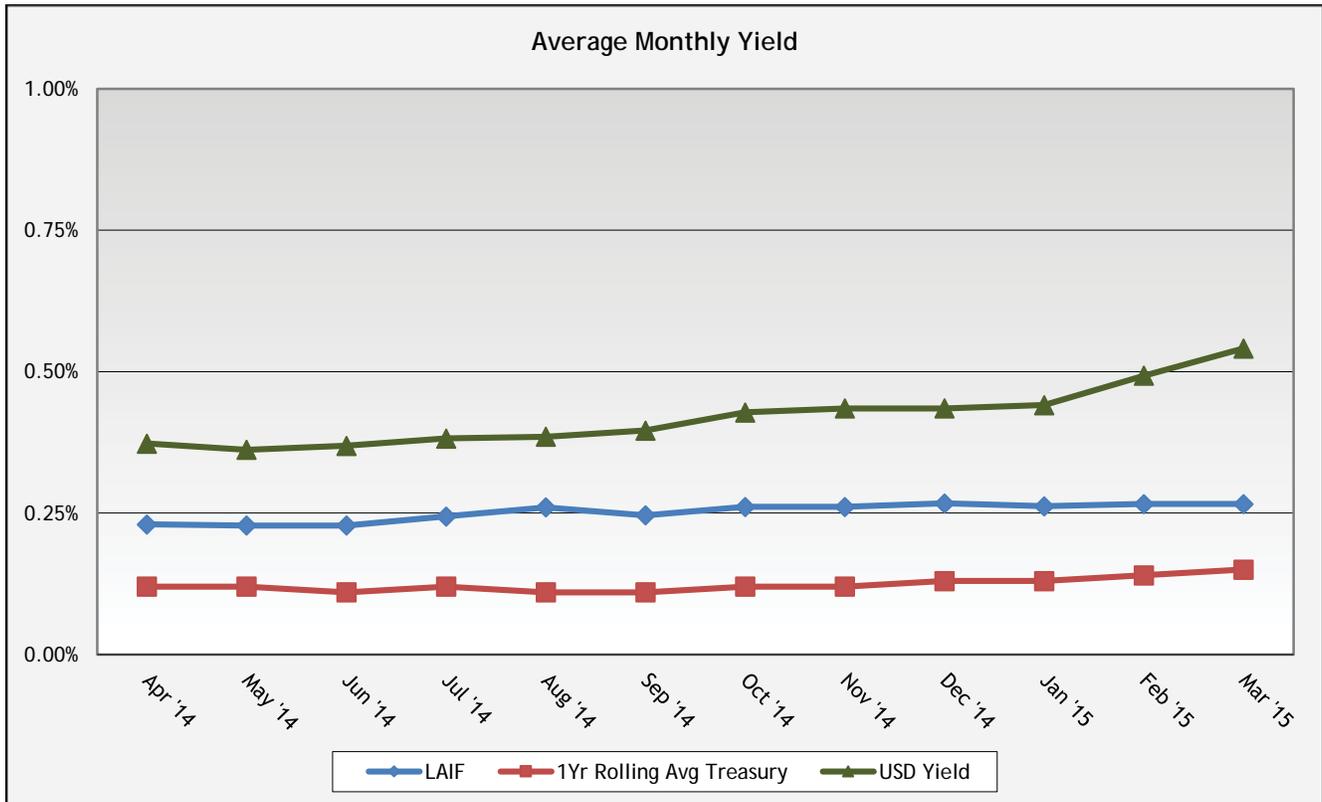
An employee using 15 vacation, 11 holiday, 2 HEC, and 5 sick days will work an average of 34.9 hours per week over the course of a year; with 20 vacation days, 34.2 hours per week.

**Business Services Group  
Activities Report  
March 2015**

- HR prepared a Board resolution and other documents needed to bring Andy Morrison back as a “retired annuitant” for a part-time, limited duration appointment to continue knowledge transfer for the new work group manager, James Scofield.
- The HRA and General Manager reviewed five proposals from executive search firms bidding to undertake recruitments for the Human Resources Administrator, Business Services Manager, and Business Services Coach. The firm of Koff and Associates was selected.
- An on-line Benefits Guide was completed and made available to District staff.
- The OPPM provided training and assistance to Buyer on how to develop and issue a new External Partner Survey. Subsequently helped to close out, analyze and prepare summary report for MMT presentation to management
- The OPPM facilitated off-cycle team chartering for MTV and Construction teams due to management transitions.
- The OPPM presented generic Debriefing deck for District-wide use at ET meeting.
- The OPPM developed agenda and facilitated debriefing for a USA Markings incident for CS; also developed a process/template for their continued use in debriefing lesser incidents moving forward.
- The OPPM debriefed the General Manager on the BS Restructuring sessions with the incumbent BS WGM.
- The OPPM co-developed a Training Strategy presentation for FMC with the TPPM.
- The OPPM completed NACWA Excellence in Management (EIM) award application and entire narrative submission.
- The OPPM researched, prepared and presented Employer of Choice definition and list of strategic activities to ET (benchmarking initiative, next steps and new associated measures).
- The OPPM provided training to IT Administrator on how to develop a survey on Desired Features in a New Phone System.

**Performance Measures**

**AVERAGE MONTHLY YIELD**



**BUDGET AND FINANCE REPORT**

**FY 2015**

**Year-to-date as of 3/31/15**

75% of year elapsed

**Revenues**

	<b>Budget</b>	<b>Actual</b>	<b>% of Budget Rec'd</b>	<b>Audited Last Year Actuals 6/30/14</b>
Capacity Fees	\$2,700,000	\$3,185,534	118%	\$3,315,007
Sewer Service Charges	47,448,461	24,415,770	51%	45,139,420
Operating	848,500	717,582	85%	1,072,242
Interest	299,000	244,342	82%	385,844
Misc. (incl. LAVWMA pymnt, solar, Cogen rebates)	1,994,200	255,541	13%	297,776
<b>Subtotal Revenues</b>	<b>\$53,290,161</b>	<b>\$28,818,769</b>	<b>54%</b>	<b>\$50,210,289</b>
SRF Loan Proceeds (Thickener)	3,390,000	1,749,638	52%	2,424,739
<b>Total Revenues + SRF Proceeds</b>	<b>\$56,680,161</b>	<b>\$30,568,407</b>	<b>54%</b>	<b>\$52,635,028</b>

**Expenses**

	<b>Budget</b>	<b>Actual</b>	<b>% of Budget Used</b>	<b>Last Year Actuals</b>
Capital Improvement Prog.				
Capacity Projects	\$3,240,000	\$1,978,463	61%	\$5,592,023
Renewal & Repl. Projects	11,632,500	9,385,921	81%	14,195,068
Operating	32,659,214	22,413,028	69%	30,751,966
Special Projects	1,708,478	509,224	30%	775,361
Retiree Medical (Annual Required Contribution)	543,540	407,655	75%	462,852
Vehicle & Equipment	1,057,700	543,185	51%	784,695
Information Systems	1,216,000	410,235	34%	848,449
Plant & Pump Station R&R	250,000	115,990	46%	197,237
Pretreatment Fund	7,000	20,938	299% incl carbon analy	5,124
County Fee for Sewer Service Charge Admin.	106,000	52,780	50%	105,559
Misc. (A/R write-off)	0	0	0%	1,343
Debt Servicing:				
SRF Loans (Irv., Wilw, LHH, Cdr, NPS, Sub1, Boyc, Prim Cl)	3,127,389	3,127,110	100%	4,675,361
<b>Total Expenses</b>	<b>\$55,547,821</b>	<b>\$38,964,529</b>	<b>70%</b>	<b>\$58,395,038</b>
<b>Total Revenue &amp; Proceeds less Expenses</b>	<b>\$1,132,340</b>	<b>(\$8,396,122)</b>		<b>(\$5,760,010)</b>

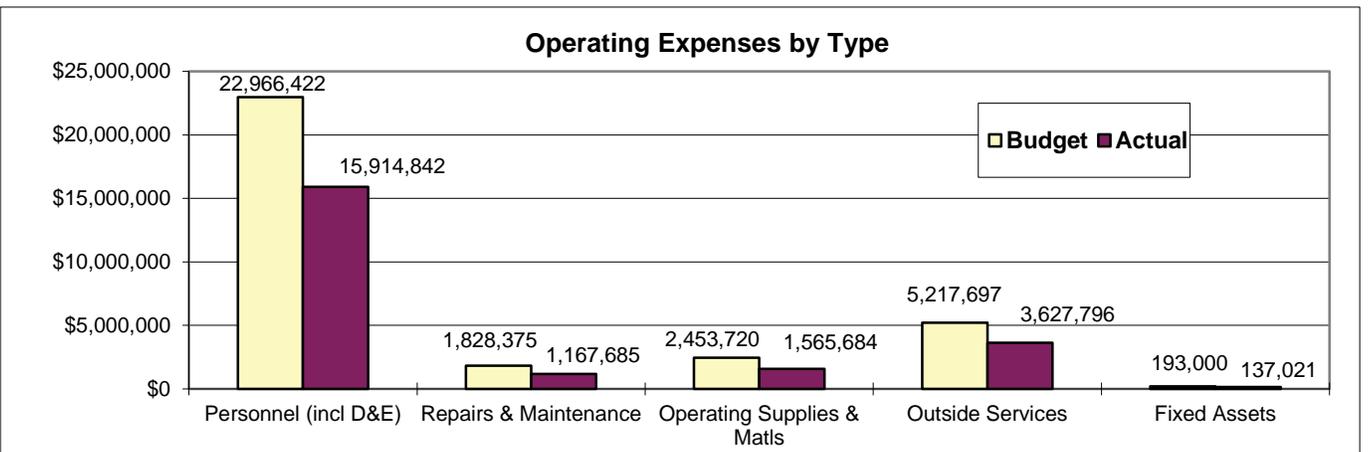
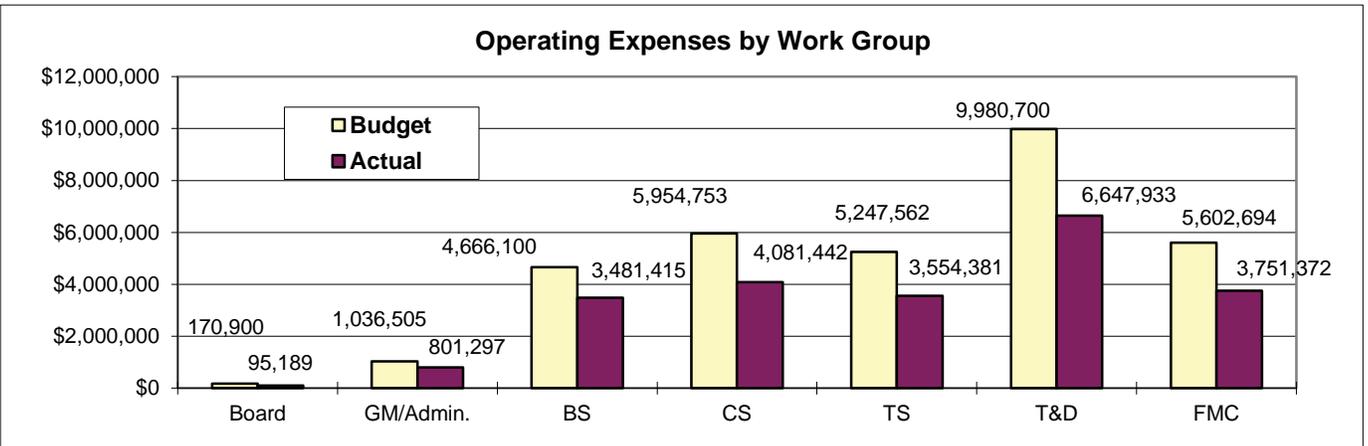
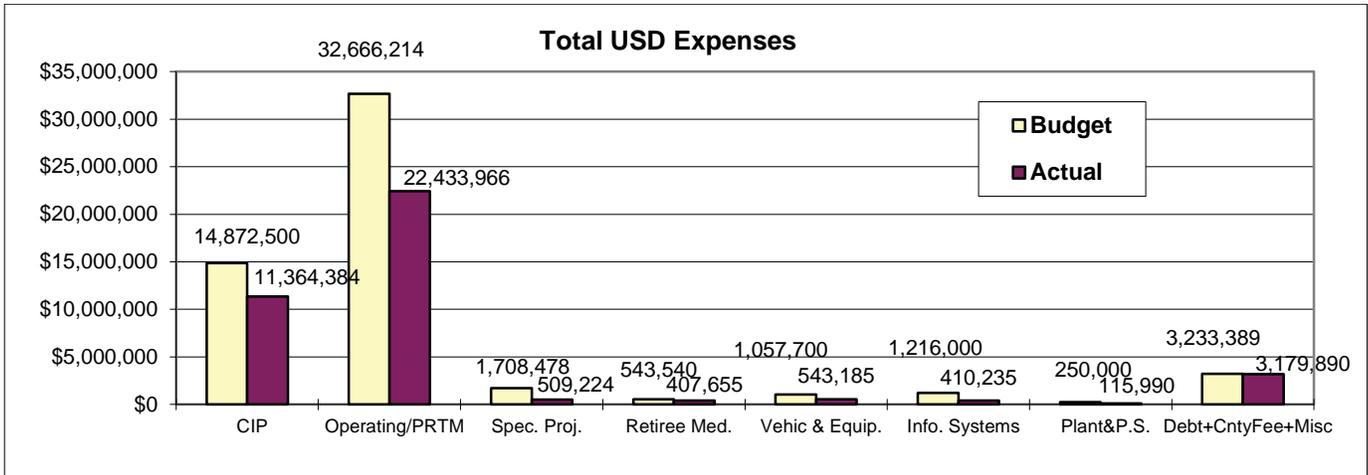
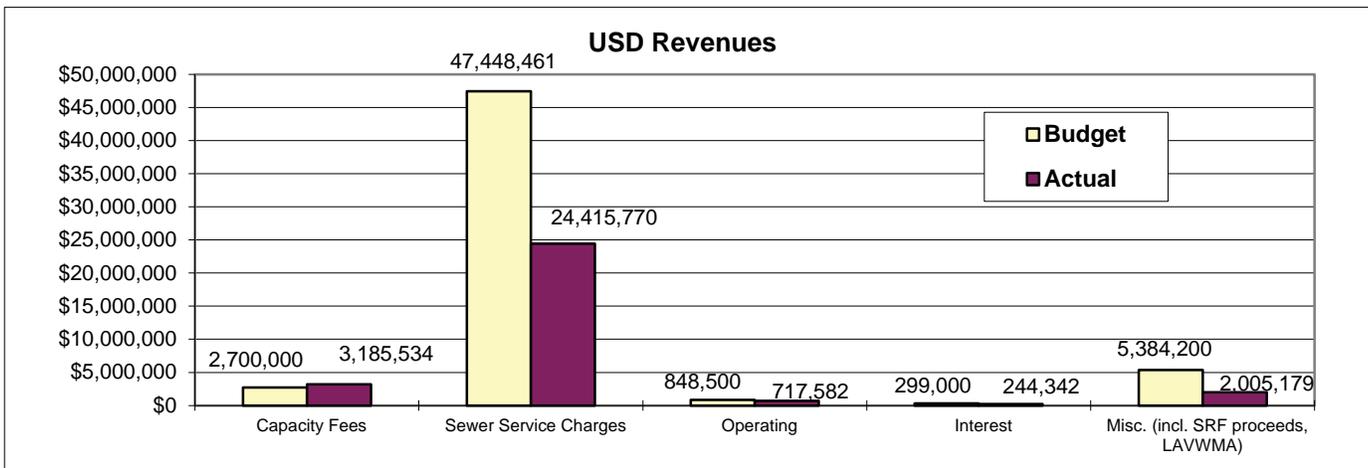
**Gross Operating Expenses by Work Group**

	<b>Budget</b>	<b>Actual</b>	<b>% of Budget Used</b>	<b>Last Year Actuals</b>
Board of Directors	\$170,900	\$95,189	56%	\$166,233
General Manager/Admin.	1,036,505	801,297	77%	1,153,217
Business Services	4,666,100	3,481,415	75%	4,416,832
Collection Services	5,954,753	4,081,442	69%	5,460,336
Technical Services	5,247,562	3,554,381	68%	4,850,139
Treatment & Disposal Services	9,980,700	6,647,933	67%	9,739,655
Fabrication, Maint. & Construction	5,602,694	3,751,372	67%	4,965,555
<b>Total</b>	<b>\$32,659,214</b>	<b>\$22,413,028</b>	<b>69%</b>	<b>\$30,751,966</b>

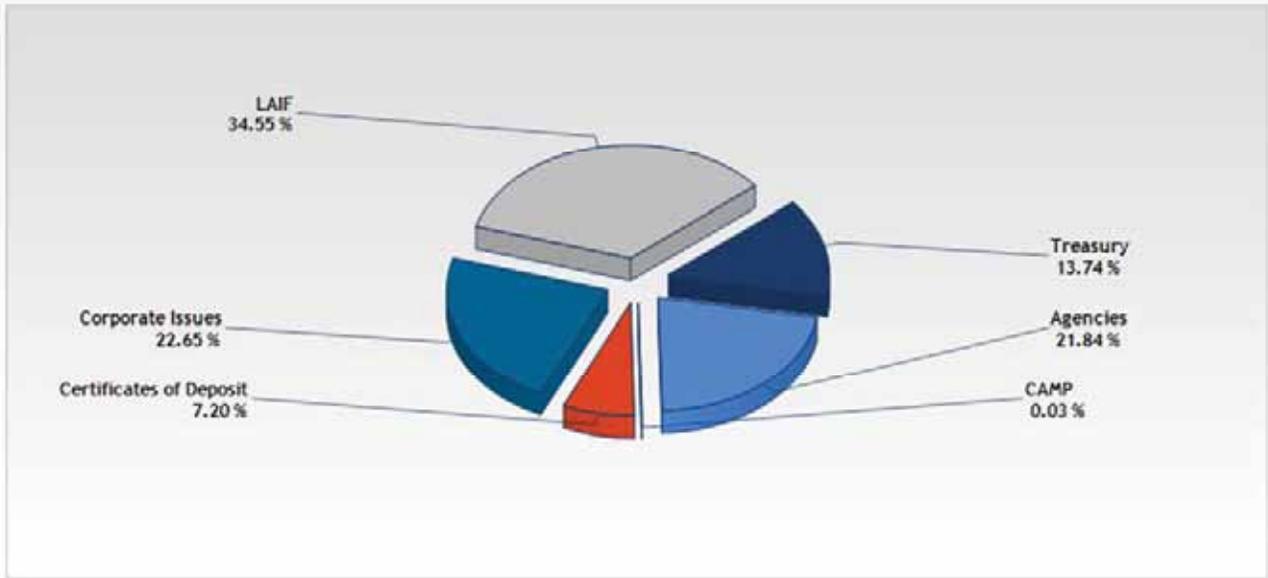
**Operating Expenses by Type**

	<b>Budget</b>	<b>Actual</b>	<b>% of Budget Used</b>	<b>Last Year Actuals</b>
Personnel (incl D&E)	\$22,966,422	\$15,914,842	69% (77%)*	\$21,125,985
Repairs & Maintenance	1,828,375	1,167,685	64%	1,615,427
Supplies & Matls (chemicals, small tools)	2,453,720	1,565,684	64%	2,442,617
Outside Services (utilities, biosolids, legal)	5,217,697	3,627,796	70%	5,493,010
Fixed Assets	193,000	137,021	71%	74,927
<b>Total</b>	<b>\$32,659,214</b>	<b>\$22,413,028</b>	<b>69%</b>	<b>\$30,751,966</b>

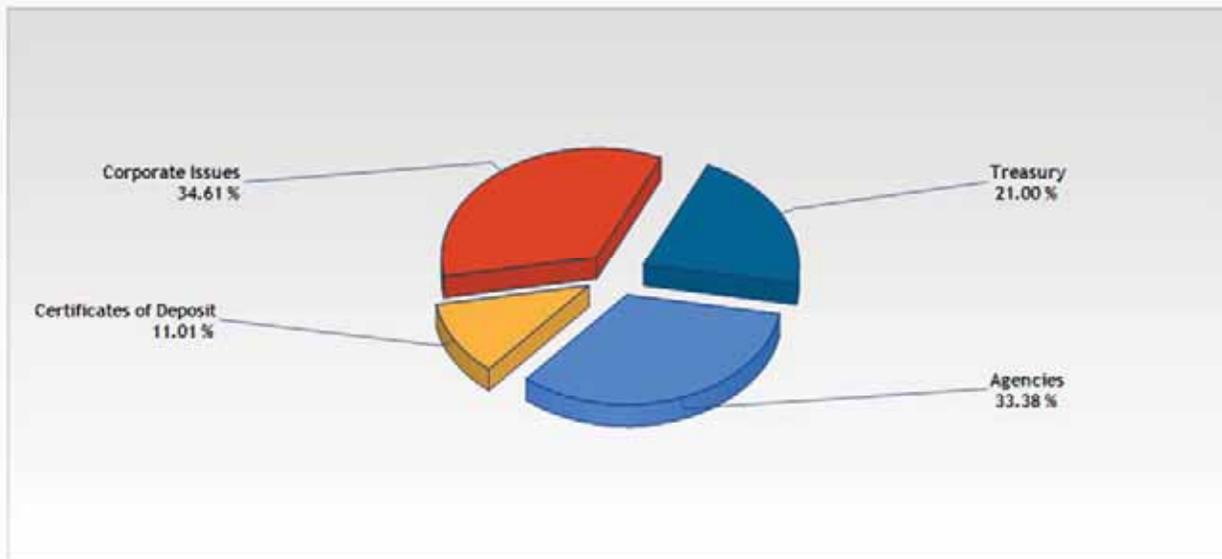
\* Personnel Budget Target



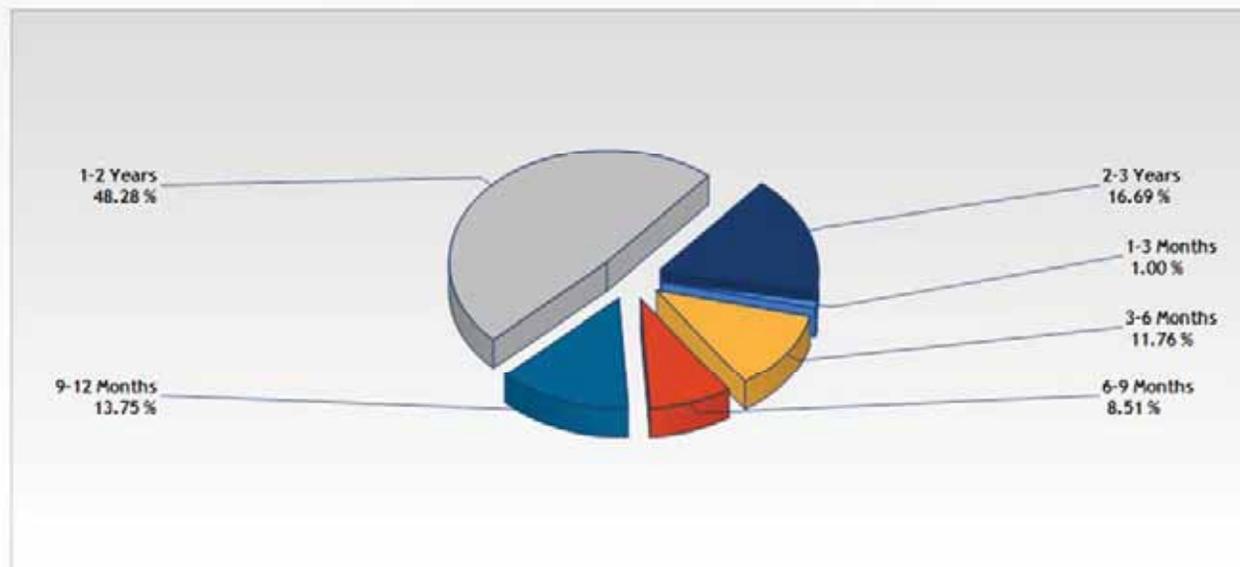
All Portfolio Holdings Distribution by Asset Class



Operating Fund Holdings Distribution by Asset Class



### Operating Fund Maturity Distribution



Maturity Range	Face Amount/Shares	YTM @ Cost	Cost Value	Days To Maturity	% of Portfolio	Market Value	Book Value	Duration To Maturity
1-3 Months	240,000.00	0.523	239,918.40	72	1.00	240,148.60	239,989.00	0.20
3-6 Months	2,785,000.00	0.541	2,819,693.20	107	11.76	2,791,683.49	2,790,228.54	0.29
6-9 Months	2,000,000.00	0.330	2,040,480.00	244	8.51	2,015,460.00	2,013,911.44	0.66
9-12 Months	3,286,000.00	0.510	3,297,558.10	329	13.75	3,296,622.20	3,294,172.93	0.90
1-2 Years	11,448,000.00	0.770	11,575,632.42	560	48.28	11,589,581.62	11,572,556.26	1.51
2-3 Years	4,000,000.00	0.880	4,001,690.00	799	16.69	4,004,830.00	4,001,681.36	2.17
<b>Total / Average</b>	<b>23,759,000.00</b>	<b>0.686</b>	<b>23,974,972.12</b>	<b>483</b>	<b>100</b>	<b>23,938,325.91</b>	<b>23,912,539.53</b>	<b>1.31</b>

Union Sanitary District  
Board Report - Holdings  
Report Format: By Transaction  
Group By: Asset Class  
Portfolio/Report Group: All Portfolios  
As of 3/31/2015

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
<b>Agencies</b>											
FHLB 0.8 3/17/2017-16	3130A4GT3	Moody's- Aaa	3/17/2015	1,000,000.00	1,000,000.00	0.800	1,001,530.00	0.800	3/17/2016	3/17/2017	2.73
FHLB 0.8 5/17/2017	3130A4Q54	Moody's- Aaa	3/27/2015	1,000,000.00	1,001,690.00	0.800	1,002,090.00	0.720		5/17/2017	2.73
FHLB 0.85 6/16/2017-16	3130A4GU0	Moody's- Aaa	3/16/2015	1,000,000.00	1,000,000.00	0.850	1,001,380.00	0.850	3/16/2016	6/16/2017	2.73
FHLMC 0.5 6/20/2016-14	3134G4N38	Moody's- Aaa	12/20/2013	1,000,000.00	1,000,000.00	0.500	999,010.00	0.500	6/20/2015	6/20/2016	2.73
FHLMC 0.75 2/13/2017	3134G6B05	Moody's- Aaa	2/13/2015	1,000,000.00	1,000,000.00	0.750	1,000,460.00	0.750		2/13/2017	2.73
FHLMC 0.9 5/26/2017-15	3134G6CE1	Moody's- Aaa	2/26/2015	1,000,000.00	1,000,000.00	0.900	999,440.00	0.900	5/26/2015	5/26/2017	2.73
FHLMC 1.05 6/30/2017-15	3134G5TE5	Moody's- Aaa	12/30/2014	1,000,000.00	1,000,000.00	1.050	1,001,920.00	1.050	6/30/2015	6/30/2017	2.73
FNMA 0.5 3/30/2016	3135GOVA8	Moody's- Aaa	1/24/2014	1,000,000.00	1,000,750.00	0.500	1,001,780.00	0.465		3/30/2016	2.73
<b>Sub Total / Average</b>				<b>8,000,000.00</b>	<b>8,002,440.00</b>	<b>0.769</b>	<b>8,007,610.00</b>	<b>0.754</b>			<b>21.84</b>

**CAMP**

CAMP LGIP	LGIP4000	None	5/31/2011	9,792.99	9,792.99	0.070	9,792.99	0.070	N/A	N/A	0.03
<b>Sub Total / Average</b>				<b>9,792.99</b>	<b>9,792.99</b>	<b>0.070</b>	<b>9,792.99</b>	<b>0.070</b>			<b>0.03</b>

**Certificates of Deposit**

Ally Bank 1 10/24/2016	02006LKM4	None	10/23/2014	240,000.00	240,000.00	1.000	241,179.07	1.000		10/24/2016	0.65
	02587CBZ2	None	10/23/2014	240,000.00	240,000.00	1.100	241,558.30	1.100		10/24/2016	0.65

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
American Express Bank 1.1 10/24/2016											
Bank of China NY 0.5 2/4/2016	06426TCH0	None	2/4/2015	240,000.00	240,000.00	0.500	240,034.23	0.500	2/4/2016	2/4/2016	0.65
Beal Bank USA 0.45 9/2/2015	07370WLO7	None	12/3/2014	240,000.00	240,000.00	0.450	240,164.69	0.450	9/2/2015	9/2/2015	0.65
BMW Bank North America 0.5 3/14/2016	05568P6V4	None	3/31/2014	240,000.00	239,760.00	0.500	239,937.28	0.552	3/14/2016	3/14/2016	0.65
Capital One Bank 1 10/24/2016	140420QG8	None	10/22/2014	240,000.00	240,000.00	1.000	241,179.07	1.000	10/24/2016	10/24/2016	0.65
Discover Bank 0.5 6/11/2015	254671D72	None	12/24/2013	240,000.00	239,918.40	0.500	240,148.60	0.523	6/11/2015	6/11/2015	0.65
Great Midwest Bank 0.75 7/27/2016	39083PCK6	None	10/27/2014	240,000.00	240,000.00	0.750	240,388.67	0.750	7/27/2016	7/27/2016	0.65
Merrick Bank 0.5 6/30/2015	5912Y5Y9	None	12/30/2013	240,000.00	240,000.00	0.500	240,188.01	0.500	6/30/2015	6/30/2015	0.65
Mizuho Bank USA 0.35 9/4/2015	60688MCK9	None	3/4/2015	240,000.00	240,000.00	0.350	240,062.64	0.350	9/4/2015	9/4/2015	0.65
Santander Bank 0.5 2/4/2016	80280JDH1	None	2/4/2015	240,000.00	240,000.00	0.500	240,034.23	0.500	2/4/2016	2/4/2016	0.65
<b>Sub Total / Average</b>				<b>2,640,000.00</b>	<b>2,639,678.40</b>	<b>0.650</b>	<b>2,644,874.79</b>	<b>0.657</b>			<b>7.20</b>
<b>Corporate Issues</b>											
Caterpillar Financial 1 3/3/2017	14912L5Z0	Moody's- A2	12/23/2014	1,313,000.00	1,307,603.57	1.000	1,317,490.46	1.190	3/3/2017	3/3/2017	3.57
General Electric Capital Corp 1.625 7/2/2015	36962G5Z3	Moody's- A1	3/31/2014	1,000,000.00	1,014,530.00	1.625	1,003,030.00	0.460	7/2/2015	7/2/2015	2.77
General Electric Capital Corp 2.375 6/30/2015	36962G5F7	Moody's- A1	11/30/2012	500,000.00	517,745.00	2.375	502,385.00	0.980	6/30/2015	6/30/2015	1.41
	36962G2G8	Moody's- A1	3/2/2015	1,085,000.00	1,179,514.35	5.400	1,174,154.45	0.890	2/15/2017	2/15/2017	3.22

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
General Electric Capital Corp 5.4 2/15/2017											
International Business Machs 0.45 5/6/2016	459200HL8	Moody's-Aa3	11/26/2013	1,000,000.00	996,840.00	0.450	999,580.00	0.580	5/6/2016		2.72
JP Morgan Chase 2.6 1/15/2016	46625HHW3	Moody's-A3	12/1/2014	566,000.00	577,518.10	2.600	573,816.46	0.775	1/15/2016		1.58
Royal Bank of Canada 2.3 7/20/2016	78008TLB8	Moody's-Aa3	12/23/2014	1,190,000.00	1,217,310.50	2.300	1,213,371.60	0.830	7/20/2016		3.32
US Bankcorp 2.2 11/15/2016	91159HHB9	Moody's-A1	3/31/2015	900,000.00	920,304.00	2.200	918,900.00	0.797	11/15/2016		2.51
Well Fargo Bank 0.75 7/20/2015	94985H5F7	Moody's-Aa3	3/31/2014	565,000.00	567,418.20	0.750	565,853.15	0.420	7/20/2015		1.55
<b>Sub Total / Average</b>				<b>8,119,000.00</b>	<b>8,298,783.72</b>	<b>2.140</b>	<b>8,268,581.12</b>	<b>0.794</b>			<b>22.65</b>
<b>LAIF</b>											
LAIF LGIP	LGIP1002	None	4/30/2011	12,658,884.90	12,658,884.90	0.266	12,658,884.90	0.266	N/A	N/A	34.55
<b>Sub Total / Average</b>				<b>12,658,884.90</b>	<b>12,658,884.90</b>	<b>0.266</b>	<b>12,658,884.90</b>	<b>0.266</b>			<b>34.55</b>
<b>Treasury</b>											
T-Bond 0.25 5/16/2016	912828VC1	Moody's-Aaa	1/24/2014	1,000,000.00	994,530.00	0.250	999,140.00	0.488	5/16/2016		2.71
T-Note 0.375 2/15/2016	912828UM0	Moody's-Aaa	1/24/2014	1,000,000.00	999,530.00	0.375	1,001,020.00	0.398	2/15/2016		2.73
T-Note 0.5 6/15/2016	912828VG2	Moody's-Aaa	3/27/2014	1,000,000.00	999,530.00	0.500	1,001,640.00	0.521	6/15/2016		2.73
T-Note 1.375 11/30/2015	912828PJ3	Moody's-Aaa	12/20/2013	2,000,000.00	2,040,480.00	1.375	2,015,460.00	0.330	11/30/2015		5.57
<b>Sub Total / Average</b>				<b>5,000,000.00</b>	<b>5,034,070.00</b>	<b>0.780</b>	<b>5,017,260.00</b>	<b>0.413</b>			<b>13.74</b>
<b>Total / Average</b>				<b>36,427,677.89</b>	<b>36,643,650.01</b>	<b>0.898</b>	<b>36,607,003.80</b>	<b>0.541</b>			<b>100</b>

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 values/sources are the LAIF, CAMP, and BNY Mellon monthly statements.

Union Sanitary District  
Board Report - Activity  
Portfolio/Report Group: All Portfolios  
From 3/1/2015 To 3/31/2015

Description	CUSIP/Ticker	Face Amount/Shares	Principal	Interest/Dividends	Coupon Rate	YTM @ Cost	Settlement Date	Total
<b>BUY</b>								
FHLB 0.8 3/17/2017-16	3130A4GT3	1,000,000.00	1,000,000.00	0.00	0.800	0.800	3/17/2015	1,000,000.00
FHLB 0.8 5/17/2017	3130A4Q54	1,000,000.00	1,001,690.00	200.00	0.800	0.720	3/27/2015	1,001,890.00
FHLB 0.85 6/16/2017-16	3130A4GU0	1,000,000.00	1,000,000.00	0.00	0.850	0.850	3/16/2015	1,000,000.00
General Electric Capital Corp 5.4 2/15/2017	36962G2G8	1,085,000.00	1,179,514.35	2,766.75	5.400	0.890	3/2/2015	1,182,281.10
Mizuho Bank USA 0.35 9/4/2015	60688MKK9	240,000.00	240,000.00	0.00	0.350	0.350	3/4/2015	240,000.00
US Bankcorp 2.2 11/15/2016	91159HHB9	900,000.00	920,304.00	7,480.00	2.200	0.797	3/31/2015	927,784.00
<b>Sub Total / Average</b>		<b>5,225,000.00</b>	<b>5,341,508.35</b>	<b>10,446.75</b>				<b>5,351,955.10</b>
<b>DEPOSIT</b>								
CAMP LGIP	LGIP4000	0.55	0.55	0.00	0.000	0.000	3/31/2015	0.55
LAIF LGIP	LGIP1002	800,000.00	800,000.00	0.00	0.000	0.000	3/4/2015	800,000.00
<b>Sub Total / Average</b>		<b>800,000.55</b>	<b>800,000.55</b>	<b>0.00</b>				<b>800,000.55</b>
<b>INTEREST</b>								
BMW Bank North America 0.5 3/14/2016	05568P6V4	0.00	0.00	595.07	0.500	0.000	3/14/2015	595.07
CAMP LGIP	LGIP4000	0.00	0.00	0.55	0.000	0.000	3/31/2015	0.55
Caterpillar Financial 1 3/3/2017	14912L5Z0	0.00	0.00	6,565.00	1.000	0.000	3/3/2015	6,565.00
FNMA 0.5 3/30/2016	3135GOVA8	0.00	0.00	2,500.00	0.500	0.000	3/30/2015	2,500.00
GE Capital Retail Bank 0.95 3/16/2015	36157PAU3	0.00	0.00	1,130.63	0.950	0.000	3/16/2015	1,130.63
General Electric Capital Corp 4.875 3/4/2015	36962GP65	0.00	0.00	24,375.00	4.875	0.000	3/4/2015	24,375.00
Great Midwest Bank 0.75 7/27/2016	39083PCK6	0.00	0.00	138.08	0.750	0.000	3/27/2015	138.08
<b>Sub Total / Average</b>		<b>0.00</b>	<b>0.00</b>	<b>35,304.33</b>				<b>35,304.33</b>

Description	CUSIP/Ticker	Face Amount/Shares	Principal	Interest/Dividends	Coupon Rate	YTM @ Cost	Settlement Date	Total
<b>MATURED</b>								
GE Capital Retail Bank 0.95 3/16/2015	36157PAU3	240,000.00	240,000.00	0.00	0.950	0.000	3/16/2015	240,000.00
General Electric Capital Corp 4:875 3/4/2015	36962GP65	1,000,000.00	1,000,000.00	0.00	4.875	0.000	3/4/2015	1,000,000.00
<b>Sub Total / Average</b>		<b>1,240,000.00</b>	<b>1,240,000.00</b>	<b>0.00</b>				<b>1,240,000.00</b>
<b>WITHDRAW</b>								
LAIF LGIP	LGIP1002	400,000.00	400,000.00	0.00		0.000	3/11/2015	400,000.00
LAIF LGIP	LGIP1002	1,600,000.00	1,600,000.00	0.00		0.000	3/13/2015	1,600,000.00
LAIF LGIP	LGIP1002	1,000,000.00	1,000,000.00	0.00		0.000	3/16/2015	1,000,000.00
LAIF LGIP	LGIP1002	1,200,000.00	1,200,000.00	0.00		0.000	3/26/2015	1,200,000.00
LAIF LGIP	LGIP1002	1,400,000.00	1,400,000.00	0.00		0.000	3/27/2015	1,400,000.00
<b>Sub Total / Average</b>		<b>5,600,000.00</b>	<b>5,600,000.00</b>	<b>0.00</b>				<b>5,600,000.00</b>

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

**For Period Ended 3/31/15**

<b>Fund Balance 12/31/14:</b>	<b>\$276,857.23</b>
<b>Revenues:</b>	
	0.00
<b>Expenses:</b>	
Net Medical Reimbursements	(4,916.08)
<b>Transfers Out:</b>	
3/11/15 CalPERS OPEB Trust Annual Required Contrib. (ARC) (payment #3 of 4)	(135,885.00)
<b>Ending Fund Balance 3/31/15:</b>	<b>\$136,056.15</b>



**Market Value Summary:**

	QTD Current Period	Fiscal Year to Date
Beginning Balance	\$4,237,438.38	\$4,092,910.26
Contribution	135,885.00	407,655.00
Distribution	(79,176.76)	(229,274.95)
Transfer In	0.00	0.00
Transfer Out	0.00	0.00
Investment Earnings	103,634.74	55,462.11
Admin Expense	(948.18)	(3,341.20)
Other	0.00	0.00
Ending Balance	\$4,396,833.18	\$4,323,411.22
YTD Accrual	0.00	73,421.96
Grand Total	\$4,396,833.18	\$4,396,833.18

**Unit Value Summary:**

	QTD Current Period	Fiscal Year to Date
Beginning Units	311,037.993	302,056.697
Unit Purchases from Contributions	9,858.412	29,859.886
Unit Sales for Withdrawals	(5,681.643)	(16,701.821)
Unit Transfer In	0.000	0.000
Unit Transfer Out	0.000	0.000
Ending Units	315,214.762	315,214.762
Period Beginning Unit Value	13.623540	13.793213
Period Ending Unit Value	13.948691	13.948691

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



Statement of Transaction Detail for the Quarter Ending 03/31/2015

Union Sanitary District

Entity #: SKB7-6011550262

Date	Description	Amount	Unit Value	Units	Check/Wire	Notes
02/05/2015	Distribution	(\$79,176.76)	\$13.935539	(5,681.643)		
03/06/2015	Contribution	\$135,885.00	\$13.783660	9,858.412	wire 2015030600091 318	

Client Contact:  
CERBT4U@CalPERS.ca.gov

**MONTHLY OPERATIONS REPORT FOR THE MONTH OF MARCH 2015  
TECHNICAL SUPPORT WORK GROUP SUMMARY**

**Capital Improvement Program**

**Boyce Road Lift Station Project – Phase 2** – Retention was released to the contractor on March 16, 2015.

**Cogeneration Project** – Issued Project Substantial Completion Certificate to contractor on March 4, 2015. Contractor worked on punch list items. Staff will review and negotiate remaining potential change orders submitted by the contractor.

**Primary Digester No. 5 Rehabilitation Project** – Issued Project Substantial Completion Certificate to contractor. Contractor continues to work on punchlist items.

**Thickener Control Building Improvements Project** – Installation of underground Thickened Primary Sludge, Primary Scum, Digester Supernatant and Acid Recirculation pipelines has been completed. Trench backfill is almost complete and pavement is scheduled to take place in April. New MCC-32 and new PLC-45 were installed inside of the Heating and Mixing Building No. 1 Electrical Room on March 20, 2015.

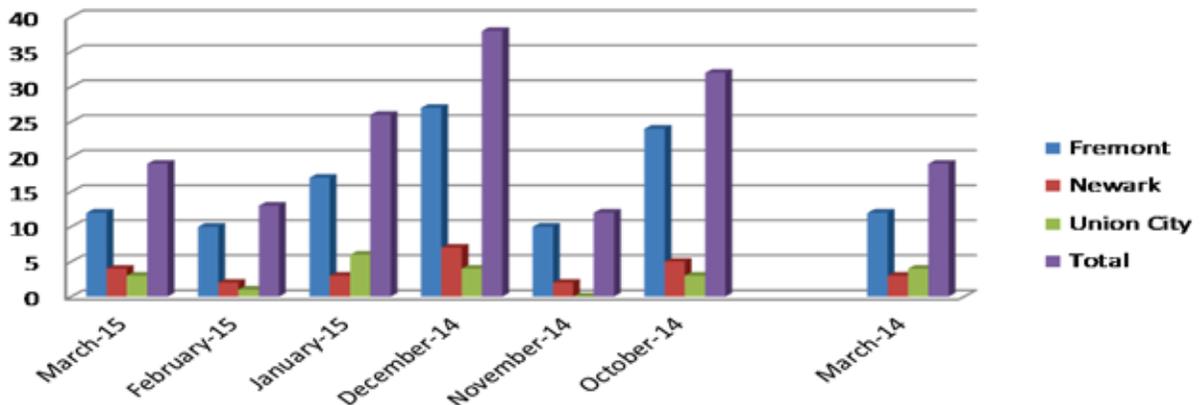
**Upper Hetch Hetchy SS Rehabilitation** – Punchlist and closeout work in progress, and should be completed in April.

**Newark Backyard Sanitary Sewer Relocation Project Phase 2** – Received two bids out of seven prospective bidders on March 31, 2015: Ranger Pipelines, Inc bid \$2,085,270 and K J Woods Construction, Inc. bid \$2,088,000. Contract Award to Ranger Pipelines, Inc. for \$2,085,270 is scheduled for the April 13, 2015 Board meeting.

**Customer Service**

Trouble Calls dispatched from the Front Desk during business hours:

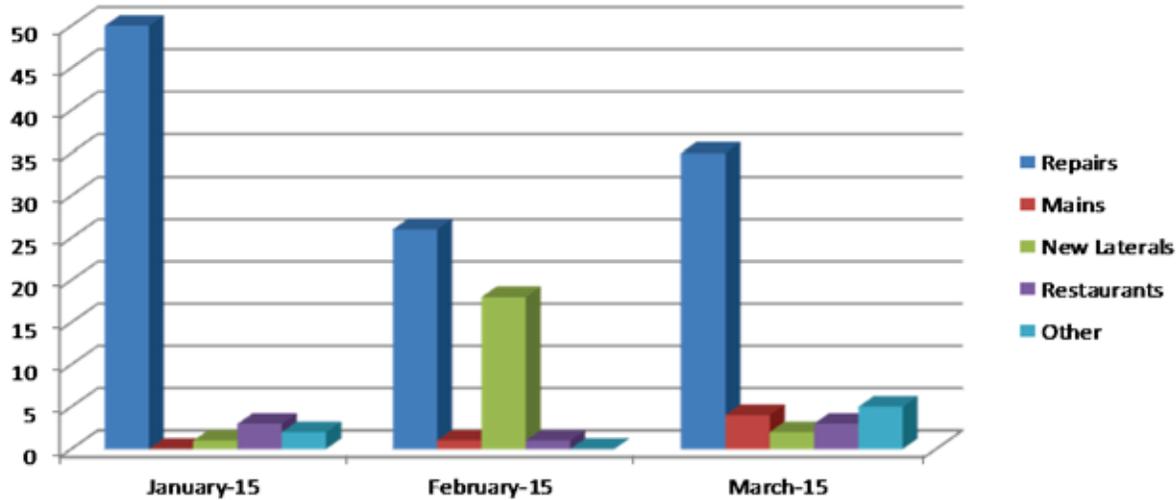
Month	Fremont	Newark	Union City	Total
March-15	12	4	3	19
February-15	10	2	1	13
January-15	17	3	6	26
December-14	27	7	4	38
November-14	10	2	0	12
October-14	24	5	3	32
March-14	12	3	4	19
<b>6-Month Total</b>				<b>140</b>



**Sewer Permits Issued**

Month	Repairs	Mains	New Laterals	Restaurants	Other
March-15	35	4	2	3	5
February-15	26	1	18	1	0
January-15	50	0	1	3	2

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



**Communication & Graphics**

- Cogeneration Ribbon-Cutting Planning Team Leader activities; designed all graphics/posters/flyers; event info on Facebook
- Open House Planning Team Leader activities
- Public Website redesign – continued work with vendor and presented options to Human Resources
- Newsletter Board continued project management – mailed late March
- Union City Chamber of Commerce – Continued Board President activities, participated at City of Union City Economic Development monthly meeting
- Website Updates: Open House information
- Worked USD’s table with IT and CIP reps at BACWA Job Fair

**Environmental Compliance**

**Pollution Prevention Program**

USD’s Environmental Compliance team conducts pollution prevention inspections to restaurants, car wash business, 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 don’t discharge pollutants to the creeks and bay.

For the past month, the EC team conducted 110 Stormwater (Urban Runoff), and 42 FOG (restaurant) inspections. Inspectors identified 40 Stormwater and 11 FOG enforcement actions. Eleven of the Stormwater enforcements resulted in administrative fines ranging from \$100 to \$500. Most fines were for repeated violations within the same year, but two were for illicit discharges to Fremont’s storm drain system.

**Urban Runoff Inspections and Enforcements**

March 2015	No. of UR Inspections	VW	WL	NOV	AF	LA	Total Enforcements	No. of Illicit Discharge/s	2
	110	12	2	15	11	0	40	% enforcement	36%

**FOG Inspections and Enforcements**

March 2015	No. of FOG Inspections	VW	WL	NOV	AF	LA	Total Enforcements	% enforcement	26%
	42	3	8	0	0	0	11		

*Enforcements:*

*VW – Verbal Warning*

*WL – Warning Letter*

*NOV – Notices of Violation*

*AF – Administrative Fine*

*LA – Legal Action*

*NOD – Notice of Deficiency*

*AO – Administrative Order*

*C&D – Cease & Desist Order*

*SNC – Significant Non Compliance*

**Dental Inspections, School Outreach, and Plant Tours**

# of Dental Inspections	# of School Outreach Events including Science	Sewer	# of Plant Tours
3	29		0

**Industrial Pretreatment**

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

**Pending Permits**

<b>New Industrial/Groundwater Permits</b>	<b>Groundwater/Temporary</b>
Ceramic Tech-Class II	Mountain Cascades- Groundwater
Gooch and Housego- Class II	ACWD- Groundwater
Mission Linen-Class I	
De Anza Tile-Class II	

**Permits Issued**

<b>Company Name</b>	<b>Date Permit Issued</b>
Preston Pipelines (Groundwater Temp.)	3/4/2015

**Industrial Closures**

<b>Company Name</b>	<b>Date of Closure</b>
New Age Linen (Class II)	March 1, 2015

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

<b>Report Name</b>	<b>Date Report Completed and Submitted</b>
None	

There were no Pretreatment Program enforcement actions in March.

**Enforcement Action**

IU Name & Nature of Business	Comments	City	Parameters Violated	Discharge concentration (mg/L)	USD/Fed Limit Violated (mg/L)	Violation (1)
No Enforcements Issued						

(1) WL – Warning Letter

C&D – Cease and Desist Order

NOV – Notices of Violation

SNC – Significant Non Compliance

AO – Administrative Order

EM – Enforcement Meeting

**Engineering/Construction**

No. of projects under construction: 5

	Construction Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for March 2015 Activity
1.	Boyce Road LS Phase 2 – Thomas	\$330	12/14	100%	100%	Retention was released to the contractor on March 16, 2015.
2.	Cogeneration Project – Raymond	\$10,566	2/15	99%	100%	Issued Substantial Completion. Punch list work is in progress.
3.	Thickener Control Building Improvements Project – Curtis	\$9,990	9/16	29%	33%	Completed installation of TPS, PSC, DSN and Acid Recirc. pipelines.
4.	Upper Hetch Hetchy SS Rehabilitation – Chris E.	\$2,971	1/15	100%	100%	Punchlist and closeout in progress.
5.	Primary Digester No. 5 Rehabilitation Project - Chris P.	\$779	12/14	99%	100%	Issued Substantial Completion. Punchlist in progress.

**Design/Study**

No. of projects in design/study phase: 16

	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for March 2015 Activity
1.	Irvington Basin Master Plan Update – Capacity Assessment - Rollie	\$231	6/15	46%	78%	Flow model update in progress.
2.	Local Limits and Wastewater Treatability Study – Michael D.	\$107	6/15	100%	100%	Study is complete

	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for March 2015 Activity
3.	Seismic Study - Raymond	\$210	6/15	80%	80%	Consultant continued with detailed seismic evaluation of select buildings. Conducted site visit to inspect the structural elements of these buildings.
4.	Cast Iron Lining Phase VI – Andrew	In-House	12/14	100%	100%	Design is complete.
5.	Miscellaneous Spot Repairs Phase VI – Andrew	In-House	4/15	90%	98%	90% design under review.
6.	Alvarado-Niles Road SS Rehabilitation – Chris E.	\$248	4/15	96%	96%	100% design submittal and staff review completed.
7.	Pine St. Easement Improvements – Chris E.	\$59	5/15	65%	67%	Alternatives evaluation in progress; due April 10, 2015.
8.	Plant Site Use Study – Curtis	\$200	6/15	74%	79%	Draft report received from RMC on March 10 <sup>th</sup> . Internal meeting held with USD staff on March 31, 2015.
9.	MCC and PLC Replacement Project, Phase 3 – Chris P.	\$78	6/15	60%	60%	Beecher Engineering worked on the 75 design submittal
10.	Generator Controls Upgrade Project – Chris P.	\$72	6/15	40%	50%	Consultant site working on evaluating the standby generators.
11.	Plant Facilities Improvements Project – Thomas	\$55 (Pre-design)	6/15	25%	25%	Thirteen small projects had been selected. Negotiating with consultant West Yost on task order No. 2 for detailed design.
12.	Plant Lighting Study – Thomas	\$50	3/15	95%	95%	Reviewed and commented on Consultant TRC's draft lighting study report. TRC is working on the final report .
13.	Administrative and Field Operations Buildings Leak Investigation – Chris P.	\$51	10/14	100%	100%	Final report has been completed.
14.	Pump Station Master Plan – Raymond	\$175	7/15	40%	40%	Consultant continued with gathering District data. CIP workshop is scheduled on May 5, 2015.

	Design/Study Projects	Capital (\$1000)	Scheduled Completion	Completed Scope	Completed Time	Comments for March 2015 Activity
15.	Newark Backyard SS Relocation – Phase 2 – Rollie/Al B.	\$200	3/15	100%	100%	Advertise for bid on March 3, 2015. Opened bids on March 31, 2015.
16.	Aeration Blower Project – Chris P.	\$96	7/15	20%	30%	Selected final placement of new Blower, Carollo working on 50% design submittal.

**COLLECTION SERVICES  
ACTIVITIES REPORT  
March 2015**

**Progress/Accomplishments**

- Completed over 34 miles of cleaning and over 13 miles of televising of sewer lines in March
- Responded to 24 service request calls in March
- Completed a total of 28 main repairs in March
- Marked and located all sewer lines (Underground Service Alerts)
- Provided support on the following projects: Upper Hetch Hetchy Trunk Line Lining, Alvarado Site Use Study.
- The Construction Team celebrated going over 1200 days without a reportable injury.
- Continued training of 4 Collection System Worker I employees
- Continued on our progress on catching up on 72 Month Cleaning and Inspection PMP
- Matt Lubina, Kevin Coffee and Jose Rodrigues all passed their CWEA Grade 3 in Collection Systems Operation
- The Construction and Maintenance Team began re-chartering with their new coaches.

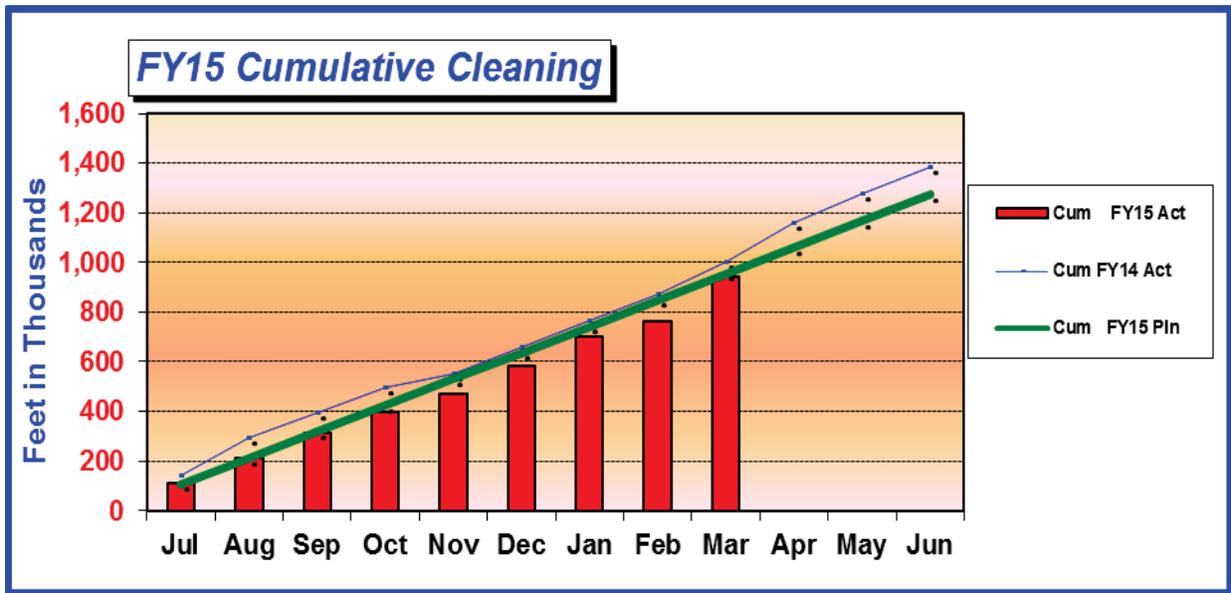
Training for Collections included;

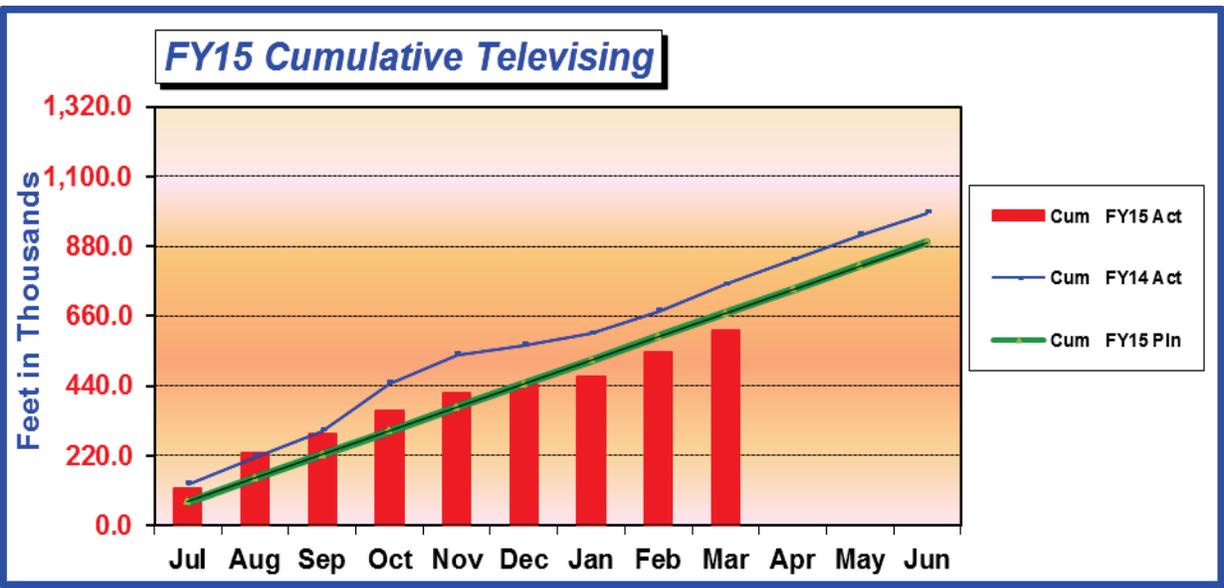
Training for SOP's on Relieving Stoppages and Use of the Magnetic Manhole Cover Lifter. CS staff was also recertified on forklift operation and completed the IT Security Video.

**Future Planning**

- Continue effort of to catch up on 72 Month Cleaning and Inspection PMP

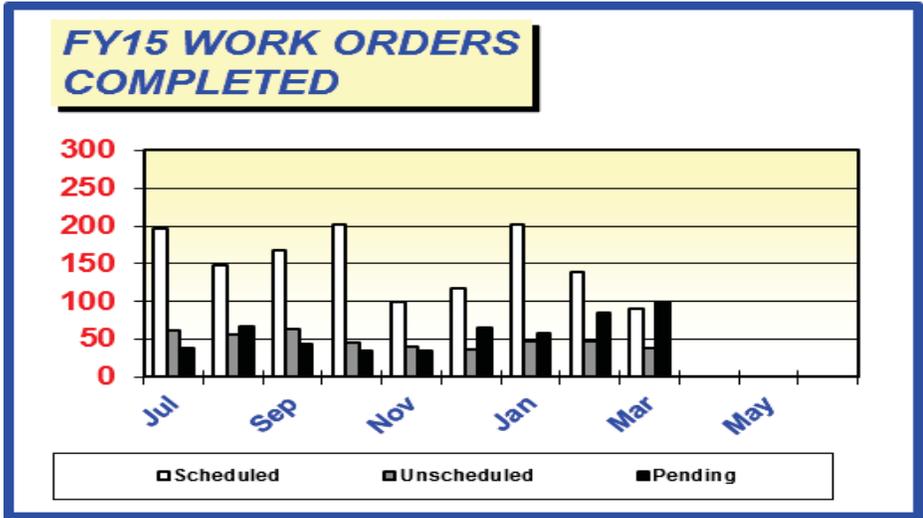
**Performance Measures**



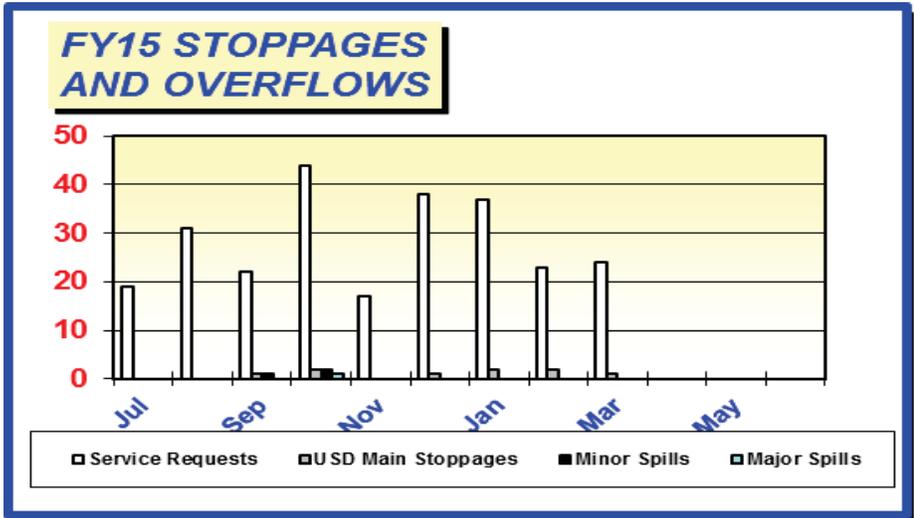


Other Collection Services Status Data:

Support Team Work Order Status:



C/S Maintenance Status:



**FMC  
Activities Report  
March 2015**

**Progress/Accomplishments**

- Completed 98% preventive maintenance activities for the month of March.
- Completed 85 corrective maintenance work orders for the month of March.
- Installed 2 new air compressors and motors in Alvarado Pump Station.
- Overhauled Alvarado Pump Station #1 sewage pump.
- Replaced coolant jumper tubes on generators #5/6.

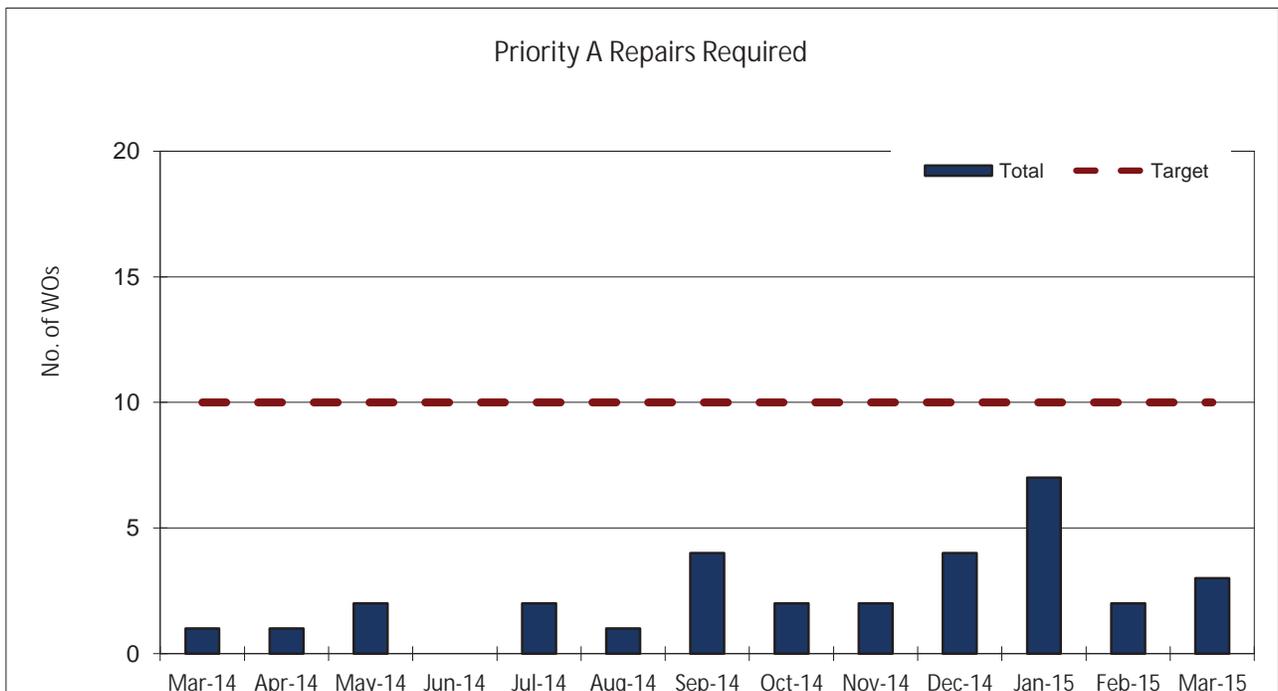
**Future Planning**

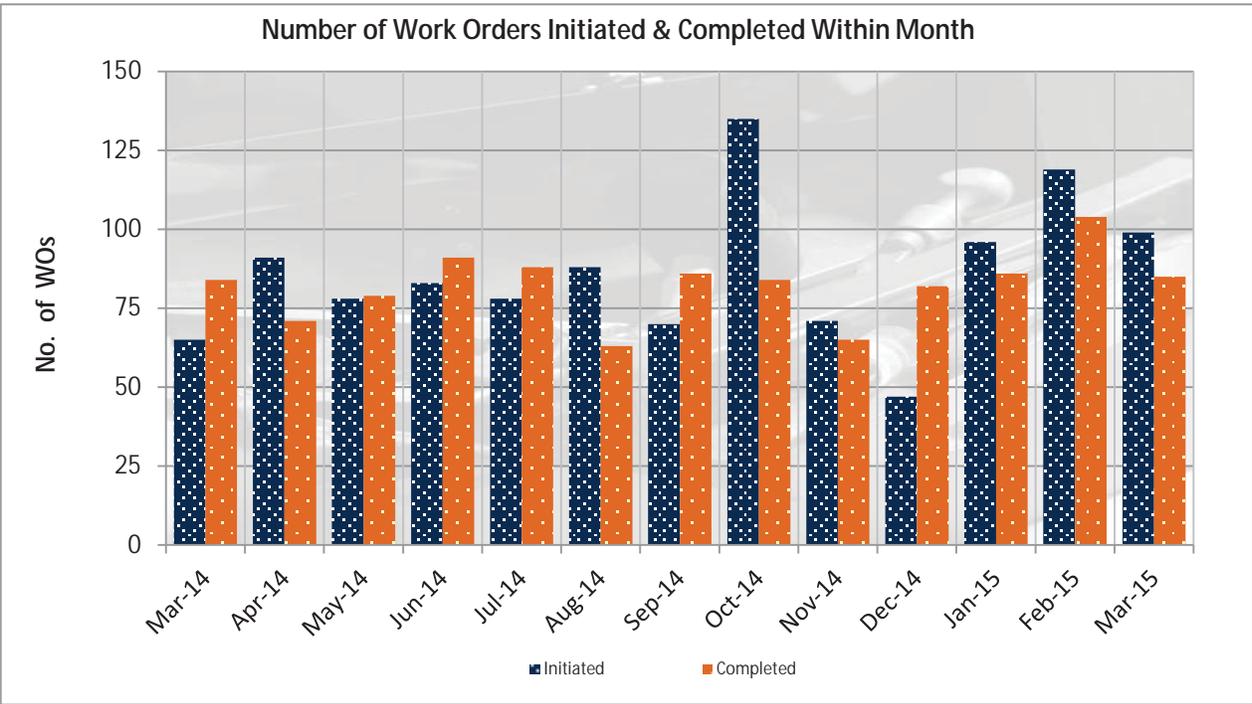
- Complete installation and testing of Irvington pump #2.
- Complete installation and testing of centrifuge #3.
- Replace fuel control cable on Cogen #2.

**Other**

- Prepared for Cogen ribbon-cutting event.

**Performance Measurements**





**Treatment & Disposal  
Activities Report  
March 2015**

### **Progress/Accomplishments**

- Completed 97% preventive maintenance activities for the month of February.
- Provide operational data for the cogeneration evaluation for the SGIP grant.
- Submitted the NACWA Peak Performance award application.
- Scheduled the consultant site visit for the BACWA Nutrient reduction study as required under the Nutrient Watershed permit.
- Attended WEF Biofilm treatment Webinar.
- Met with East Bay Regional Park District and provided comments for finalizing the Hayward Marsh Rehabilitation Options Study.
- Researched and conducted laboratory and field analysis to determine the cause of digester foaming.
- Characterized cheese processing waste and determined parameters for pilot field testing.
- Submitted a testing proposal and SOP to the State Water Resources Control Board and the EPA to pilot the codigestion of waste from cheese manufacturing.
- Provided operational data in support of the Irvington Basin Master Plan.

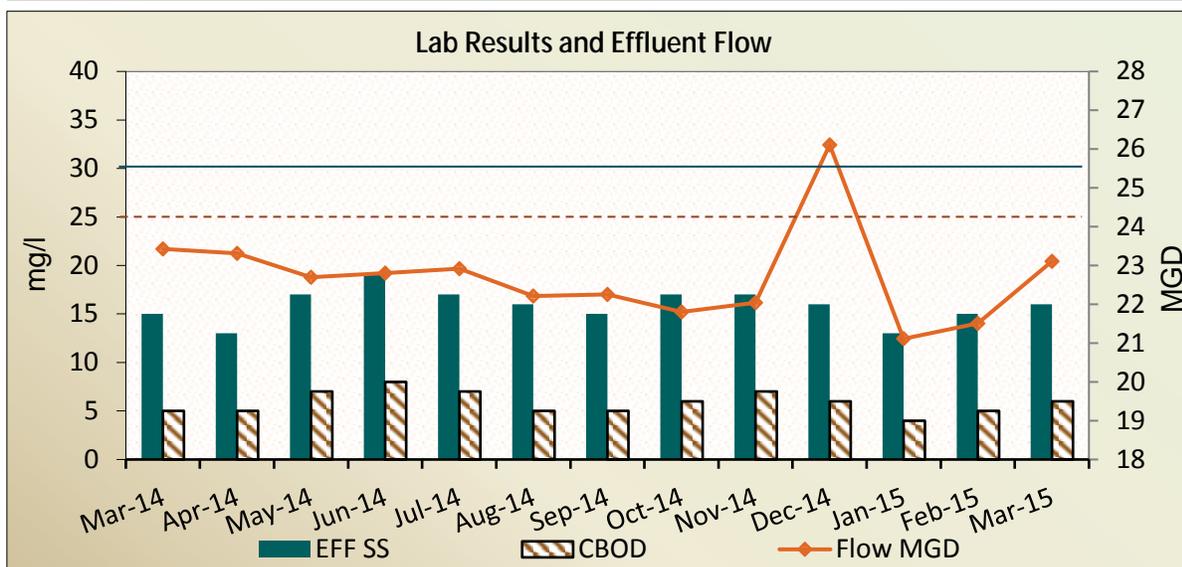
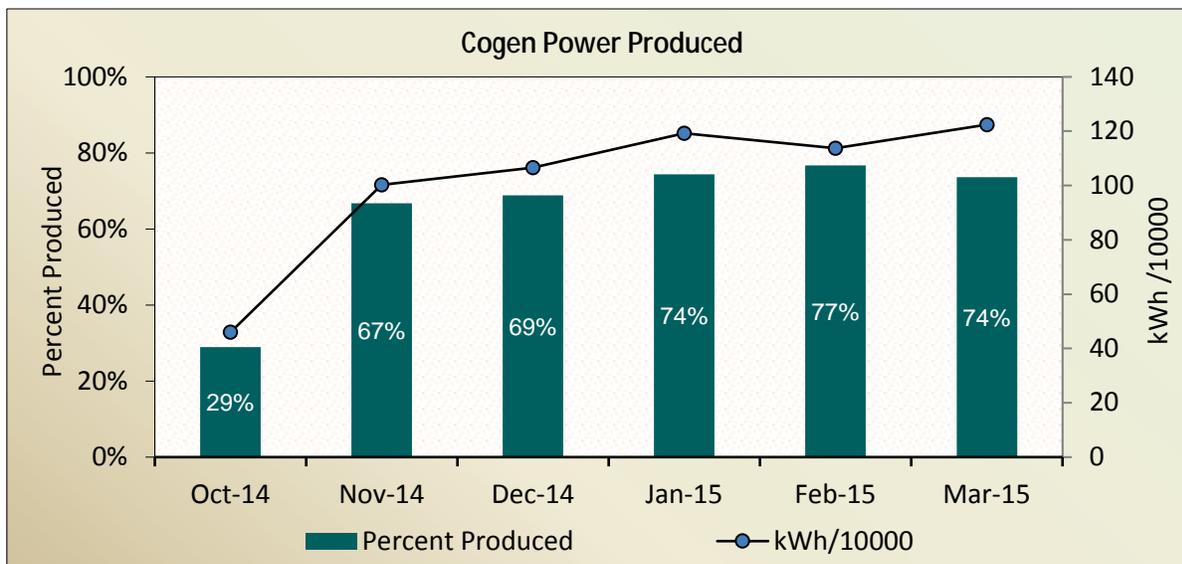
### **Future Planning**

- Prepare for the ELAP recertification of the treatment plant laboratory.
- Finalize the Hayward Marsh Rehabilitation Options Study and schedule a board workshop.
- Schedule a meeting with the Regional Board to discuss progress with the Hayward Marsh Rehabilitation Options Study.
- Plan for the full scale testing of Calcium nitrate to control odor and corrosion in the transport system .
- Plan for the pilot testing of codigestion of organic waste from a cheese manufacturer.
- Research opportunities for testing digester enzymes to increase digester gas production at the treatment plant.
- Provide IRWMP application updates for the potential inclusion of a Hayward Marsh rehabilitation project under the BACWA and shoreline resilience group regional projects.
- Prepare for the District Open house scheduled for May.

### **Other**

- Cogen system produced 74% of power consumed for the month of March.

## Performance Measurements



### USD's Final Effluent Monthly Monitoring Results

Parameter	EBDA Limit	Jan 2015	Feb 2015	Mar 2015
Copper, µg/l	78	3.3	4.9	5.9
Mercury, µg/l	0.066	0.00235	0.00303	0.00219
Cyanide, µg/l	42	< 3.0	E 3.0	E 3.0
Ammonia- N, mg/L (Range)	130	42 - 46	40 - 50	38 - 45
Dioxin-Toxicity Equivalent (TEQ), µg/l	$2.8 \times 10^{-8}$	not tested	not tested	not tested
Fecal Coliform, MPN/100ml (Range)				
• 5-Sample Geometric Mean	500	23 - 35	12 - 31	11 - 42
• 11-Sample 90th Percentile	1100	44 - 79	33 - 75	40 - 75
Enterococci *				
• 5-Sample Geometric Mean	242	30 - 96	20 - 63	10 - 62

E = Estimated value, concentration outside calibration range. For SIP, E = DNQ, estimated concentration.

\* Enterococci values are the weekly concentration range not the 5-Sample Geometric Mean range.



**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

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

David M. O'Hara  
*Attorney*

**DATE:** April 20, 2015

**MEMO TO:** Board of Directors - Union Sanitary District

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

**SUBJECT:** Agenda Item No.8 - Meeting of April 27, 2015  
**Authorize the General Manager to Execute an Agreement and Task Order No. 1 with The Covello Group, Inc. to Provide Construction Management Services for the Newark Backyard Sanitary Sewer Relocation Project - Phase 2 and the Miscellaneous Spot Repairs Project - Phase 6**

### **Recommendation**

Staff recommends the Board authorize the General Manager to execute an Agreement and Task Order No. 1 with The Covello Group, Inc. in the amount of \$191,640 to provide construction management services for the Newark Backyard Sanitary Sewer Relocation Project - Phase 2 and the Miscellaneous Spot Repairs Project - Phase 6. Funds for the projects have been budgeted in the Renewal and Replacement Fund.

### **Background**

The Newark Backyard Sanitary Sewer Relocation Project - Phase 2 is the second phase of the three-phased project to improve the existing sewer system within the residential neighborhood located northerly of the intersection of Dairy Avenue and Cherry Street in the city of Newark. A location map depicting the three phases is attached. Phase 1 of the project relocated 33 sewer laterals from the backyard of homes along Dairy Avenue and Cherry Street and was completed in late summer 2014. Phase 2 of the project will include the relocation of 93 sanitary sewer laterals to new sanitary sewer mains that will be constructed along George Avenue, Jennifer Street, Deborah Street, Leone Street and parts of Zulmida Avenue and Noel Avenue. The construction contract for Phase 2 was recently awarded to Ranger Pipelines, Inc. at the

April 13, 2015 Board Meeting in the amount of \$2,085,270. Construction is scheduled to begin in May and finish by late September 2015.

Design of the Miscellaneous Spot Repairs Project - Phase 6 is near completion and the project is scheduled to be advertised for bids in May 2015. The project involves the repair of broken or sagging sewer pipes at six sites throughout the District; three sites are in Union City and three sites are located in Fremont. The Engineer's estimate for the project is being finalized and is expected to be over \$400,000. Construction is expected to start in July and finish by late October 2015. Due to the nature and scope of each project and the overlapping of construction schedules, staff is recommending awarding construction management services for both projects to one consultant. Sharing of construction management and inspection will result in efficiency and cost-savings for the District.

### **Task Order No. 1**

The total negotiated cost proposal for Task Order No. 1 is \$191,640, which represents 7.7% of the total construction contract estimated at \$2.5 million. The 7.7% falls within the typical range of fees for similar types of projects, which is between 6% and 10% of the total project construction amount. Staff believes that the price is reasonable given the scope of work and the duration of the projects' construction period.

The scope of work for Task Order No. 1 includes conducting pre-construction surveys, contractor schedule review, processing of submittals and clarification requests, processing of progress payments and change order requests, construction inspection, project coordination, and general contract administration.

The Covello Group, Inc. is very knowledgeable and experienced. Their experience and knowledge has been demonstrated on several projects that they completed for the District in the last few years. Work under Task Order No. 1 will begin in May 2015, and is expected to be completed by late October 2015.

Staff recommends the Board of Directors authorize the General Manager to execute an Agreement and Task Order No. 1 with The Covello Group, Inc. in the amount of \$191,640 to provide construction management services for the Newark Backyard Sanitary Sewer Replacement Project - Phase 2 and Miscellaneous Spot Repairs Project - Phase 6.

PRE/SEG/RRA/ADB:ks

Attachments: Agreement with The Covello Group  
Task Order No. 1  
Newark Backyard Relocation Phase 2 Vicinity Map  
Miscellaneous Sanitary Sewer Spot Repairs Phase 6 Location Map

CONSTRUCTION MANAGEMENT SERVICES FOR THE NEWARK BACKYARD  
SANITARY SEWER RELOCATION PROJECT - PHASE 2 AND THE  
MISCELLANEOUS SPOT REPAIR PROJECT - PHASE 6

AGREEMENT  
BETWEEN  
UNION SANITARY DISTRICT  
AND  
THE COVELLO GROUP  
FOR  
PROFESSIONAL SERVICES

THIS IS AN AGREEMENT MADE AS OF \_\_\_\_\_, 20\_\_, BETWEEN  
UNION SANITARY DISTRICT (hereinafter referred to as District), and THE  
COVELLO GROUP (hereinafter referred to as Engineer).

WITNESSETH:

WHEREAS, District intends to construct the Newark Backyard Sanitary Sewer  
Relocation Project – Phase 2 and the Miscellaneous Sanitary Sewer Spot  
Repairs Project – Phase 6 (hereinafter referred to as Projects), and,

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

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

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

ARTICLE 1 - SERVICES TO BE PERFORMED BY ENGINEER

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

## ARTICLE 2 - COMPENSATION

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

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

Definitions are as follows:

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

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

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

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

Agreement. Engineer will not commence work on the altered Scope of Services until authorized by District.

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

### ARTICLE 3 - PERIOD OF SERVICE

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

### ARTICLE 4 - DISTRICT'S RESPONSIBILITIES

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

- 4.1 Provide all criteria and full information as to District's requirements for the services assignment and designate in writing a person with authority to act on District's behalf on all matters concerning the Engineer's services.
- 4.2 Furnish to Engineer all existing studies, reports and other available data pertinent to the Engineer's services, obtain or authorize Engineer to obtain or provide additional reports and data as required, and furnish to Engineer services of others required for the performance of

Engineer's services hereunder, and Engineer shall be entitled to use and rely upon all such information and services provided by District or others in performing Engineer's services under this Agreement.

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

#### ARTICLE 5 - STANDARD OF CARE

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

#### ARTICLE 6 - OPINIONS OF COST AND SCHEDULE

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

## ARTICLE 7 - SUBCONTRACTING

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

## ARTICLE 8 - ENGINEER-ASSIGNED PERSONNEL

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

## ARTICLE 9 - OWNERSHIP OF DOCUMENTS

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

## ARTICLE 10 - RECORDS OF LABOR AND COSTS

- 10.1 Engineer shall maintain for all Task Orders, records of all labor and costs used in claims for compensation under this Agreement. Records shall mean a contemporaneous record of time for personnel; a methodology and calculation of the Multiplier for fringe benefits and indirect costs; and invoices, time sheets, or other factors used as a basis for determining other non-labor Project charges. These records must be made available to the District upon reasonable notice of no more than 48 hours during the period of the performance of this Agreement.
- 10.2 After delivery of Services (completion of Task Orders) under this Agreement, the Engineer's records of all costs used in claims for compensation under this Agreement shall be available to District's accountants and auditors for inspection and verification. These records will be maintained by Engineer and made reasonably accessible to the District for a period of three (3) years after completion of Task Orders under this Agreement.
- 10.3 Engineer agrees to cooperate and provide any and all information concerning the Project costs which are a factor in determining compensation under this Agreement as requested by the District or any public agency which has any part in providing financing for, or authority over, the Services which are provided under the Agreement.
- 10.4 Failure to provide documentation or substantiation of all Project costs used as a factor in compensation paid under Article 2 hereof will be grounds for District to refuse payment of any statement submitted by the Engineer and for a back charge for any District funds, including interest from payment; or grant, matching, or other funds from agencies assisting District in financing the Services specified in this Agreement.

## ARTICLE 11 - INSURANCE

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

- 11.1 Workers' Compensation and Employer's Liability Insurance for protection of Engineer's employees as required by law and as will protect Engineer from loss or damage because of personal injuries, including death to any of his employees.

- 11.2 Comprehensive Automobile Liability Insurance. Engineer agrees to carry a Comprehensive Automobile Liability Policy providing bodily injury liability. This policy shall protect Engineer against all liability arising out of the use of owned or leased automobiles both passenger and commercial. Automobiles, trucks, and other vehicles and equipment (owned, not owned, or hired, licensed or unlicensed for road use) shall be covered under this policy. Limits of liability for Comprehensive Automobile Liability Insurance shall not be less than \$1,000,000 Combined Single Limit.
- 11.3 Comprehensive General Liability Insurance as will protect Engineer and District from any and all claims for damages or personal injuries, including death, which may be suffered by persons, or for damages to or destruction to the property of others, which may arise from the Engineer's operations under this Agreement, which insurance shall name the District as additional insured. Said insurance shall provide a minimum of \$1,000,000 Combined Single Limit coverage for personal injury, bodily injury, and property damage for each occurrence and aggregate. Such insurance will insure Engineer and District from any and all claims arising from the following:
1. Personal injury;
  2. Bodily injury;
  3. Property damage;
  4. Broad form property damage;
  5. Independent contractors;
  6. Blanket contractual liability.
- 11.4 Engineer shall maintain a policy of professional liability insurance, protecting it against claims arising out of negligent acts, errors, or omissions of Engineer pursuant to this Agreement, in an amount of not less than \$1,000,000. The said policy shall cover the indemnity provisions under this Agreement.
- 11.5 Engineer agrees to maintain such insurance at Engineer's expense in full force and effect in a company or companies satisfactory to the District. All coverage shall remain in effect until completion of the Project.
- 11.6 Engineer will furnish the District with certificates of insurance and endorsements issued by Engineer's insurance carrier and countersigned by an authorized agent or representative of the insurance company. The certificates shall show that the insurance will not be cancelled without at least thirty (30) days' prior written notice to the District. The certificates for liability insurance will show that liability assumed under this Agreement is included. The endorsements will

show the District as an additional insured on Engineer's insurance policies for the coverage required in Article 11 for services performed under this Agreement, except for workers' compensation and professional liability insurance.

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

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

## ARTICLE 12 - LIABILITY AND INDEMNIFICATION

- 12.1 Having considered the risks and potential liabilities that may exist during the performance of the Services, and in consideration of the promises included herein, District and Engineer agree to allocate such liabilities in accordance with this Article 12. Words and phrases used in this Article shall be interpreted in accordance with customary insurance industry usage and practice.
- 12.2 Engineer shall indemnify and save harmless the District and all of their agents, officers, and employees from and against all claims, demands, or causes of action of every name or nature to the extent caused by the negligent error, omission, or act of Engineer, its agents, servants, or employees in the performance of its services under this Agreement.
- 12.3 In the event an action for damages is filed in which negligence is alleged on the part of District and Engineer, Engineer agrees to defend District. In the event District accepts Engineer's defense, District agrees to indemnify and reimburse Engineer on a pro rata basis for all expenses of defense and any judgment or amount paid by Engineer in resolution of such claim. Such pro rata share shall be based upon a final judicial determination of negligence or, in the absence of such determination, by mutual agreement.
- 12.4 Engineer shall indemnify District against legal liability for damages arising out of claims by Engineer's employees. District shall indemnify Engineer against legal liability for damages arising out of claims by District's employees.
- 12.5 Indemnity provisions will be incorporated into all Project contractual arrangements entered into by District and will protect District and Engineer to the same extent.

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

### ARTICLE 13 - INDEPENDENT CONTRACTOR

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

### ARTICLE 14 - COMPLIANCE WITH LAWS

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

### ARTICLE 15 - NONDISCLOSURE OF PROPRIETARY INFORMATION

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

## ARTICLE 16 - TERMINATION OF CONTRACT

- 16.1 The obligation to continue Services under this Agreement may be terminated by either party upon seven days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party.
- 16.2 District shall have the right to terminate this Agreement or suspend performance thereof for District's convenience upon written notice to Engineer, and Engineer shall terminate or suspend performance of Services on a schedule acceptable to District. In the event of termination or suspension for District's convenience, District will pay Engineer for all services performed and costs incurred including termination or suspension expenses. Upon restart of a suspended project, equitable adjustment shall be made to Engineer's compensation.

## ARTICLE 17 - UNCONTROLLABLE FORCES

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

performance of the obligations of this Agreement. The Engineer will be allowed reasonable negotiated extension of time or adjustments for District initiated temporary stoppage of services.

#### ARTICLE 18 - MISCELLANEOUS

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

#### ARTICLE 19 - INTEGRATION AND MODIFICATION

- 19.1 This Agreement (consisting of pages 1 to 15), together with all Task Orders executed by the undersigned, is adopted by District and Engineer as a complete and exclusive statement of the terms of the Agreement between District and Engineer. This Agreement supersedes all prior agreements, contracts, proposals, representations, negotiations, letters, or other communications between the District and Engineer pertaining to the Services, whether written or oral.
- 19.2 The Agreement may not be modified unless such modifications are evidenced in writing signed by both District and Engineer.

#### ARTICLE 20 - SUCCESSORS AND ASSIGNS

- 20.1 District and Engineer each binds itself and its directors, officers, partners, successors, executors, administrators, assigns and legal representatives to the other party to this Agreement and to the partners, successors, executors, administrators, assigns, and legal representatives of such other party, in respect to all covenants, agreements, and obligations of this Agreement.

- 20.2 Neither District nor Engineer shall assign, sublet, or transfer any rights under or interest in (including, but without limitation, monies that may become due or monies that are due) this Agreement without the written consent of the other, except to the extent that the effect of this limitation may be restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement. Nothing contained in this paragraph shall prevent Engineer from employing such independent engineers, associates, and subcontractors as he may deem appropriate to assist him/her in the performance of the Services hereunder and in accordance with Article 7.
- 20.3 Nothing herein shall be construed to give any rights or benefits to anyone other than District and Engineer.

#### ARTICLE 21 – INFORMATION SYSTEM SECURITY

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

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

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

## ARTICLE 22 – EMPLOYEE BACKGROUND CHECK

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

1. Criminal felony and misdemeanor records search of the employee's county and state of residence, and
2. Federal criminal records search of the National Criminal Database.

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

## ARTICLE 23 - EXCEPTIONS

22.1 Articles 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7 shall be deleted in their entirety.

Article 2.1 shall be added to read:

"2.1 District shall pay Engineer for the performance of Services on an actual time basis at mutually agreeable billing rates; and for materials and direct costs with no markup; the total pay not to exceed amount as stipulated in each Task Order."

Article 2.2 shall be added to read:

"2.2 Billing rates shall be in accordance with a rate schedule included with each Task Order. Billing rates are subject to revision to coincide with Engineer's normal salary review schedule."

Article 2.3 shall be added to read:

“2.3 Each Task Order’s Scope of Services may be altered by mutual agreement at any time during the term of this Agreement. Engineer will not commence work on the altered Scope of Services until authorized by District.”

22.2 Articles 2.8 and 2.9 shall be changed to Articles 2.4 and 2.5 respectively.

22.3 Article 10.1: the phrase, “a methodology and calculation of the Multiplier for fringe benefits and indirect costs” shall be deleted.

22.4 Article 10.4 shall be deleted in its entirety.

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

UNION SANITARY DISTRICT

THE COVELLO GROUP

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: Paul R. Eldredge, P.E.

Name: Michael K. Jaeger, P.E.

Title: General Manager/District Engineer

Title: Vice President, Lic. #C55691

Date: \_\_\_\_\_

Date: \_\_\_\_\_

CONSTRUCTION MANAGEMENT SERVICES FOR THE NEWARK BACKYARD  
SANITARY SEWER RELOCATION PROJECT - PHASE 2 AND THE  
MISCELLANEOUS SPOT REPAIR PROJECT - PHASE 6

TASK ORDER NO. 1

To The

AGREEMENT

BETWEEN

UNION SANITARY DISTRICT

AND

THE COVELLO GROUP

FOR

PROFESSIONAL SERVICES

Dated \_\_\_\_\_, 20\_\_\_\_

1. PURPOSE

The purpose of this Task Order No. 1 is to provide construction management, administration and field observation services for the Newark Backyard Sewer Sanitary Sewer Relocation Project – Phase 2 (Project No. 800-436) and the Miscellaneous Sanitary Sewer Spot Repairs Project – Phase 6 (Project No. 800-451).

2. PROJECT COORDINATION

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

3. SCOPE OF SERVICES

See Attachment "A" to Task Order No. 1

4. DELIVERABLES

The Covello Group shall provide the District with all formal inspection reports, meeting minutes, photographs, video, and conversation memoranda produced by their project personnel.

5. PAYMENT TO THE ENGINEER

Payment to the Engineer shall be as called for in Article 2 of the Agreement. Compensation shall be on an hourly basis with a Not to Exceed amount of \$191,640. The hourly rates for are presented in Attachment B in accordance with current Covello Rates.

6. TIME OF COMPLETION

All work defined in this Task Order shall be complete in 180 calendar days after the execution of this Task Order and subject to the conditions of Article 3 of this Agreement. A summary of the anticipated schedule of work is shown in Exhibit B.

7. KEY PERSONNEL

Engineering personnel assigned to this Task Order No. 1 are as follows:

<u>Role</u>	<u>Key Person to be Assigned</u>
Project Manager	Michael Jaeger
Field Engineer	Sala McGuire
Inspector	Steve Brandt

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

IN WITNESS WHEREOF, the parties hereto have made and executed this Task Order No. 1 as of \_\_\_\_\_, 2015 and therewith incorporate it as part of the Agreement.

Newark Backyard Sewer Sanitary Sewer Relocation Project – Phase 2 (Project No. 800-436) and the Miscellaneous Sanitary Sewer Spot Repairs Project – Phase 6 (Project No. 800-451)  
Task Order No. 1  
Page 3

DISTRICT

ENGINEER

Union Sanitary District

The Covello Group

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: Paul R. Eldredge, P.E.

Name: Michael K. Jaeger, P.E.

Title: District Engineer/General Manager

Title: Vice President, Lic. #C55691

# EXHIBIT A

## UNION SANITARY DISTRICT

### NEWARK BACKYARD SANITARY SEWER RELOCATION – PHASE 2 PROJECT AND MISCELLANEOUS SANITARY SEWER SPOT REPAIRS – PHASE 6 PROJECT

#### THE COVELLO GROUP, INC. – SCOPE OF WORK

#### I. PRE-CONSTRUCTION PHASE.

1. Covello shall review and become completely knowledgeable about the project plans and specifications.
2. Covello shall conduct pre-construction surveys, with the Contractor, District, Cities, and other agencies of all existing public and private improvements along the project alignment. Covello shall use video, photos and notes as appropriate.

#### II. CONSTRUCTION PHASE

**NOTE: Since Covello will only be providing Part-Time, Field Engineering assistance some of the administrative tasks may need to be shared with the District Engineering staff depending on the quantity of items requiring our attention.**

##### 1. Construction Administration

- a. Project Coordination: Covello shall act as the project coordinator and the point of contact for all communications with the Contractor. Covello shall coordinate the activities of the District, Design Consultant (DC) and Contractor.
- b. Document Tracking System: Covello shall utilize the District's Projectmates system for tracking all correspondence and documents on the project.
- c. Construction Administration Services: Covello shall provide administrative and management services on a part-time basis. Covello shall receive all correspondence from the Contractor and shall address all inquiries from the Contractor and all construction related correspondence. The DC will be responsible for providing any design input.

##### 2. Meetings

- a. Covello shall prepare the agenda for the weekly progress meetings and other construction meetings required during the project.
- b. Covello shall facilitate and prepare the record of discussions for the weekly progress and other construction meetings.
- c. Covello shall distribute, through Projectmates, the record of discussions from weekly progress meetings and other meetings as required.

### **3. Submittals**

- a. Covello shall implement and coordinate the submittal processing using the District's document control system,
- b. Covello shall receive the submittals from the Contractor and check for general conformity with the Contract requirements. If obvious deficiencies are apparent in the submittal, Covello shall send the submittal back to the Contractor for correction.
- c. Covello shall route the submittal to the DC for review and shall route the reviewed submittal back to the Contractor. Covello shall review comments on submittals to determine if additional follow-up with the Contractor is warranted and to identify prospective scope changes.
- d. Covello shall maintain a log and tracking system (Projectmates) for submittals. Covello shall track the status of submittal review with the DC and the status of shop drawing resubmittals with the Contractor.
- e. The DC will review all design related submittals and submittals related to temporary facilities for compliance with the contract documents.

### **4. Clarification Processing**

- a. Covello shall implement and coordinate the system for processing clarifications (Projectmates).
- b. Covello shall receive all requests for information (RFIs) from the Contractor and determine if the request is a valid RFI; if not, Covello shall return the RFI to the Contractor with an appropriate response, if required.
- c. Covello shall provide a response to the Contractor for any administrative and general RFIs.
- d. Covello shall route all other RFIs to the DC at their main office.
- e. The DC will review RFIs and provide design response.
- f. Covello shall review the DC's response, verify acceptability of response and transmit the Clarification Response to the Contractor. If the response materially affects the design, it will be reviewed with the District and/or the DC, as necessary, to verify that it is required. If it is required, Covello shall issue a change request to the Contractor.
- g. Covello shall maintain a system for logging and tracking RFIs. Covello shall track the status of RFI review with the DC.
- h. The DC will prepare Design Clarifications where design issues are identified by Covello, the DC, or the District. Covello shall prepare the Clarification Letter for transmittal to the Contractor of the DC's Design Clarification and other clarifications.

### **5. Change Order Preparation, Negotiation & Processing**

- a. Covello shall review Contractor's requests for Change Orders against contract requirements and make recommendations to the District regarding its appropriateness.
- b. The DC will prepare design details for change requests.
- c. Covello shall prepare and issue the change request to the Contractor with the appropriate design documents.

- d. Covello shall prepare an independent cost estimate and/or verify the acceptability of the Contractor's cost proposal for each change request. The DC's input may be requested for specific equipment and material costs.
- e. In the event the Contractor encounters a time sensitive problem where time is not available to negotiate a change order, Covello shall issue a field order, with a not-to-exceed amount of \$2,500. All work done under a field order will be completed on a time and material basis. In general, when time allows, Covello shall advise the District of the need to issue a field order and the District will execute the field order.
- f. Covello shall prepare change orders for execution by the District and Contractor.
- g. Covello shall implement and maintain a system for logging and tracking changes.
- h. Covello shall establish and maintain Issues Files. The issue files shall compile all data related to specific items that arise that may have cost or time impacts.

#### **6. Progress Payment**

- a. Covello shall review the initial cost breakdown prepared by the Contractor. Covello shall review and process the progress payment requests as required in the Contract Documents and by the California Public Contract Code.
- b. Covello shall verify the quantity and acceptability of stored materials.
- c. Covello shall verify the Contractor's construction progress as it relates to the progress billing procedure.
- d. Covello shall perform the administration, preparation and processing of the monthly progress payments.
- e. Covello shall prepare the summary cover sheet for the progress payments which will be executed by Covello, the Contractor, and the District.
- f. When and if requested by the District, State or other agency or public inquiry, Covello shall collect but not review the certified payroll from the Contractor.

#### **7. Scheduling**

- a. Covello shall review and work with the Contractor in the development of the initial Baseline schedule. Covello shall review and work with the Contractor in their review and preparation of the schedule updates. Covello shall provide written comments to the Contractor on the Baseline and update schedules.

#### **8. Field Quality Control**

- a. Covello shall provide daytime (7am to 6pm) field inspection/observation services to monitor compliance with the Contract Documents.
- b. Covello shall immediately report nonconformance and construction deficiencies to the Contractor and to the District. Covello shall work with the Contractor to develop and implement appropriate corrective actions.
- c. Covello shall prepare a daily inspection report documenting field activities, field crews, Contractor equipment, and field problems.

- d. Covello shall maintain a Corrective Work Item List. The list shall provide a current inventory of required corrections to aid in timely completion of such items.
- e. Covello shall provide photographic and video documentation of the project prior to construction. Covello shall provide and maintain photographs of field activities for status monitoring of the project.
- f. Covello shall receive, investigate, and make recommendations to the District on resolution of property owner's and resident's complaints.
- g. Covello shall monitor the record documents on a monthly basis to determine if they are being maintained by the Contractor.
- h. Covello shall manage and coordinate the material testing and special inspections specified in the Contract Documents to be furnished by the District for the Project. District to provide Covello copies of contract information for use during construction.
  - 1. Covello shall schedule and coordinate the specialty inspections and material testing.
  - 2. Covello shall have oversight responsibility for the specialty inspections and testing services.
- i. Covello will conduct final inspection, prepare punchlists, and review the Contractor's as-built drawings for accuracy and completeness.
- j. No provision has been included in the scope of work or budget for observation, testing and handling of hazardous material.

## **9. Means and Methods of Construction**

- a. Covello shall not have responsibility for directing the means and methods of construction. The Contractor shall be solely responsible for the means and methods of construction.

## **10. Safety**

- a. Covello shall comply with appropriate regulatory, project and District regulations regarding necessary safety equipment or procedures used during performance of Covello's work and shall take necessary precautions for safe operation of Covello's work, and the protection of Covello's personnel from injury and damage from such work.

Neither the professional activities of Covello, nor the presence of Covello's employees or sub-consultants at the construction/project site, shall relieve the Contractor and any other entity of their obligations, duties and responsibilities including, but not limited to, construction means, methods, sequence, techniques or procedures necessary for performing, superintending, or coordinating their work in accordance with the Contract Documents, District regulations, and any health or safety precautions required by any regulatory agencies. Covello and its personnel have no authority to exercise any control over any Contractor or other entity or their employees in connection with their work or any health or safety precautions.

Covello shall follow the District's confined space procedures for entry into any existing District confined spaces.

- b. Covello has no authority to exercise control over any construction contractor in connection with their work or health or safety programs and precautions. Except to protect Covello's own personnel and except as may be expressly required elsewhere in the scope of services, Covello has no duty to inspect, observe, correct, or report on health or safety deficiencies of the construction contractor. If Covello becomes aware of serious safety deficiencies not addressed by Contractor, Covello shall notify District.
- c. Observation of Safety and Safe Practices.

In concert with and notwithstanding Covello's other services under this Task Order, Covello shall perform the following activities as and when necessary.

1. Prior to commencement of construction, Covello shall meet with the District to identify situations that both agree could present an immediate danger to personnel on the project site and/or the adjacent population. These situations will be defined based upon the District's and Covello's experience. Guidelines for independent action by Covello regarding such situations and notification of appropriate District personnel will be discussed. The guidelines for action and notification procedures, including the names and telephone numbers of the District personnel, in order of precedence, shall be confirmed in writing.
2. The Contractor is fully responsible for safety at the construction site. Without in any way diminishing, or assuming, Contractor's responsibilities for safety, if Covello, in the normal conduct of work, becomes aware of a situation that it believes presents an imminent danger of serious harm to personnel on the site and/or to the adjacent population, Covello is authorized to direct the Contractor as necessary to remove the affected personnel from the immediate danger or to shut down the project or portions of the project. Regardless of whether Covello directs the Contractor to take action, Covello shall immediately notify the District's personnel of the observed situation and of actions taken by Covello, in accordance with the previously developed guidelines.
3. Covello shall confirm by inspection that the Contractor has posted its safety program at locations identified in the specifications and required by regulations.
4. When requested by the District, Covello shall communicate the District's concerns and requests relating to safety to the Contractor's Safety Officer.
5. Covello shall provide documentation in its possession to the District of accidents Covello has observed when they occur. Such documentation may include copies of daily inspection reports, photographs, and memoranda describing the accident.

6. Covello shall inform the District when Covello becomes aware of suspected safety violations. Such communication to the District shall occur as soon as reasonably practicable after Covello becomes aware of suspected safety violations.

Covello shall determine whether the Contractor is conducting safety training on site by obtaining Contractor's safety training schedule for the project and, when practical, note whether that training is conducted. Observed variances from the Contractor's schedule shall be communicated to the District.

#### **11. Testing & Training**

- a. The scope and budget do not include Covello's participation in factory witness testing.
- b. Covello shall coordinate training requirements and activities.
- c. Covello shall provide oversight and administration of testing and training.

#### **12. Corrective Work Item List**

- a. Covello shall prepare the Corrective Work Item list with input from the District and DC.
- b. Covello shall confirm that the items identified in the Corrective Work Item list are completed in preparation for issuance of the Substantial Completion Certificate.
- c. Covello shall prepare the Substantial Completion Certificate for execution by the District and Contractor when the Corrective Work Items are completed to the District's and Covello's satisfaction.

#### **13. Record Document Management**

- a. Covello shall maintain a set of contract drawings on the project site for the duration of the project, to properly record the as-built conditions as they occur.
- b. This set of Record Documents will be used as a comparison with the Contractor's record documents in order to confirm the accuracy of the Contractor's information. This comparison will take place monthly with each progress payment.
- c. Once the project reaches final completion, the Record Document set from both the Covello Group and the Contractor will be forwarded to the Designer for use to create a set of As-Built drawings for the District.
- d. Covello shall review a DRAFT version of the As-Built drawings in comparison to our Record set to confirm that all items are captured properly. Any comments shall be forwarded to the Designer to correct for the FINAL version.

#### **14. Project Management Assistance by Covello's Senior Staff**

- a. Attend project meetings to facilitate coordination, communication and resolution of project issues that have stalled progress of the work or become very contentious.

- b. Provide oversight for field CM and inspection staff to assist with problem resolution that have stalled or become contentious.
- c. Assist District staff with any other service requested that is beyond the scope of standard Project Management services and not described in any of the items above.

### **III. CLOSE OUT PERIOD**

#### **1. Final Inspection and Punchlist**

- a. Final Inspection
  - 1. Covello shall have primary responsibility for conducting the final inspection.
  - 2. The District will participate and provide input on the final inspection.
  - 3. DC will provide design input on final inspection items if determined necessary by the District.
  - 4. Covello shall have oversight and final review responsibility for the final inspection.
- b. Covello shall prepare the list of outstanding deficiencies.
- c. Covello shall prepare and issue the punchlist(s) from the list of deficiencies.
- d. Covello shall have primary responsibility for verifying that punchlist work is complete.

#### **2. Warranty Coordination**

- a. Covello shall maintain a warranty file.
- b. Coordination of warranty work after the Contract Period is not included in this Scope of Work or budget. If the District determines at a later date that it desires Covello to provide this service, an amendment is issued for additional budget and Covello shall coordinate warranty work with the District and Contractor during the warranty period.

#### **3. Project Closeout:**

- a. Covello shall prepare necessary District documentation recommending acceptance of the completed work by the Board.
- b. Covello shall turnover project documentation to the District in an orderly manner. Covello shall retain all issue files at the end of the project. The District shall have the right to request review and/or copies of the issue files.
- c. Covello shall have full and complete access available to all files created by Covello during the Project for up to ten (10) years after the completion of the Project. Such access shall include the right to copy any and/or all such files at Covello's expense.

#### **4. Dispute Resolution:**

- a. Resolution, when possible, of routine disagreements through the normal efforts of the day-to-day project site staff will be performed.

- b. Dispute resolution services using third parties or special processes (e.g. Mediation, Arbitration, Mini-Trials, Dispute Consultants), or those requiring extraordinary efforts by Covello are not included in this Scope of Work. If such non-routine dispute resolution services are required, either an amendment or a separate task order will be executed.

#### **IV. OPTIONAL SERVICES**

##### **1. Night Work Field Quality Control**

- a. The contract does not require night work. Any night work inspection or construction management is outside this scope of work.

**EXHIBIT B**  
**Union Sanitary District**  
**Newark Backyard SS Relocation Project Phase 2 & Misc. SS Spot Repairs Project Phase 6**  
**The Covello Group, Inc. - Staff Effort and Budget Estimate for Construction Management Services**  
**April 16, 2015**

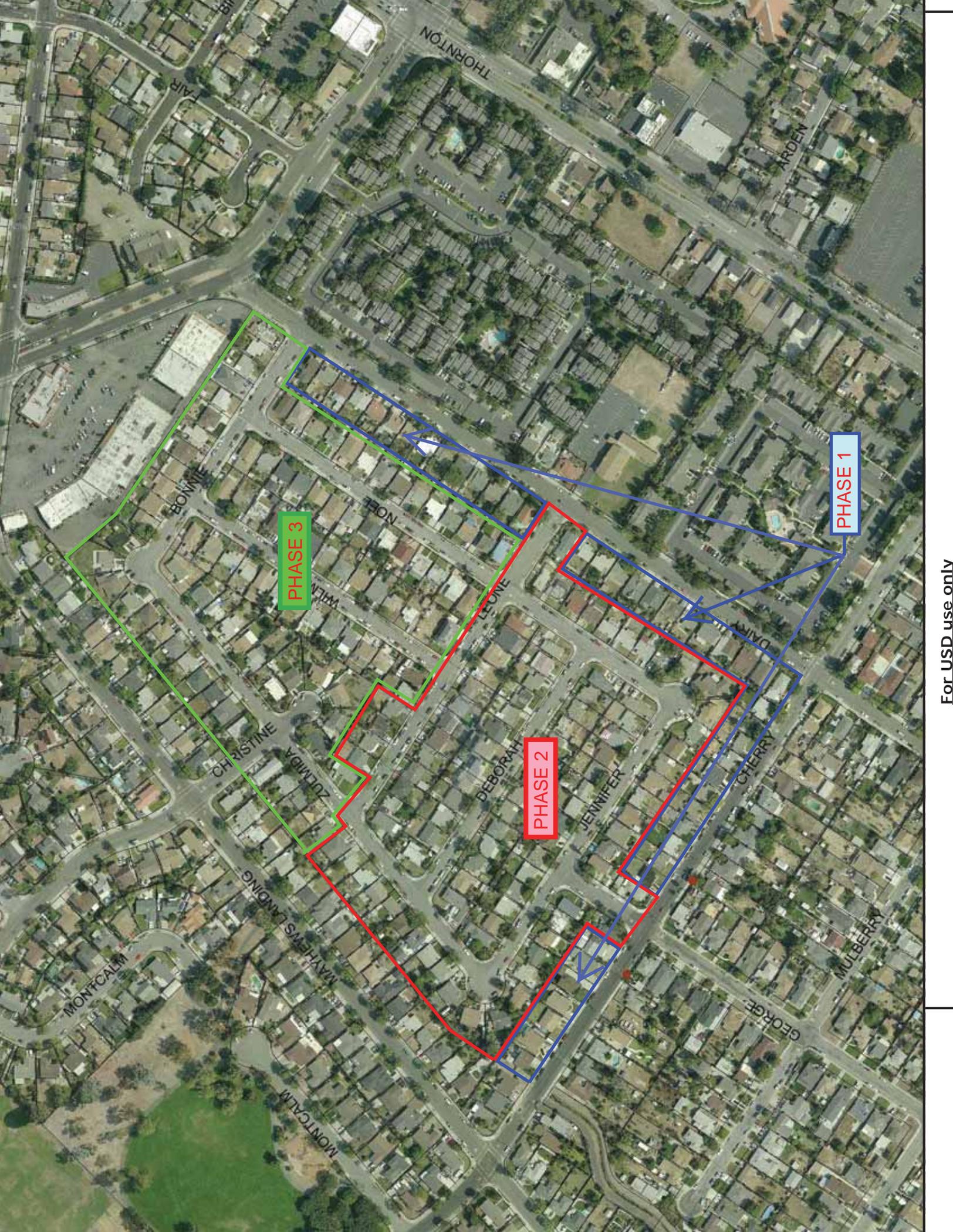
	Budget			Construction						Close Out	
	Hours	Rate	Amount	May	Jun	Jul	Aug	Sept.	Oct.	Nov	
<b>Construction Management Team</b>											
Project Manager			\$ 10,000								
Office Engineer	280	\$ 112	\$ 31,360	80	80	80	20	20			
Inspector	1,040	\$ 137	\$ 142,480	160	160	160	160	160	80		
Inspector (OT)	140	\$ 137	\$ 19,180	40	40	40	20	20			
<b>CM Subtotal</b>			\$ 183,840								
<b>Other Direct Costs</b>											
Inspector Vehicle	6.5	\$1,200	\$ 7,800	1	1	1	1	1	1	0.5	
<b>ODC Subtotal</b>			\$ 7,800								
<b>TOTAL</b>			\$ 191,640	241	281	281	221	201	161	81	

Base Contract % = 7.67%

**Notes & Assumptions:**

Construction Cost Estimate (Approximate): \$2,500,000  
NTP: 5/1/2015  
Construction Period (CDs): 180  
Substantial Completion: 10/28/2015  
Closeout: 4 weeks

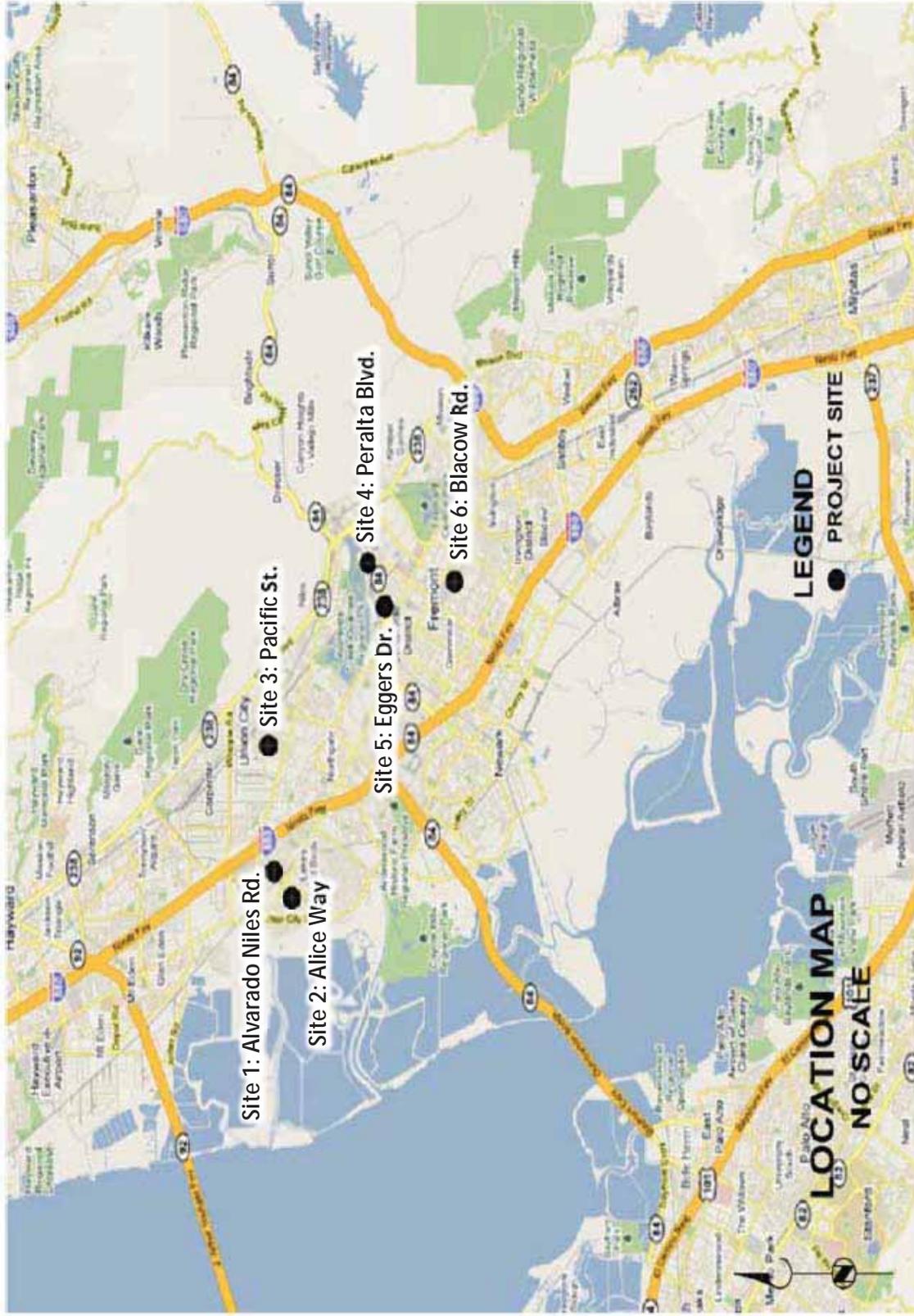
1. Covello's rates include all office expenses for home office telephone, computers, in-house reproduction and travel in the Bay Area in personal vehicles.
2. The Budget is based on an anticipated NTP of May 1, 2015.
3. The Budget considers our inspector using the existing job trailer on the treatment plant site. No other office location expense is considered.
4. The Budget includes some OT hours due to construction uncertainty on two projects. If OT does not occur it will not be billed.



PHASE 1

PHASE 2

PHASE 3



**MISCELLANEOUS SANITARY SEWER  
SPOT REPAIRS PROJECT PHASE VI**



**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

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

David M. O'Hara  
*Attorney*

**DATE:** April 20, 2015

**MEMO TO:** Board of Directors - Union Sanitary District

**FROM:** Paul R. Eldredge, General Manager/District Engineer  
Sami Ghossain, Manager of Technical Services  
Raymond Chau, CIP Coach  
Thomas Lam, Associate Engineer

**SUBJECT:** Agenda Item No. 9 – Meeting of April 27, 2015  
**Authorize the General Manager to Execute Task Order No. 2 with West Yost Associates for Providing Design Services for the Plant Facilities Improvements Project**

### **Recommendation**

Staff recommends the Board authorize the General Manager to execute Task Order No. 2 with West Yost Associates in the amount of \$318,074 for providing design services for the Plant Facilities Improvements Project.

### **Background**

In the past few years, District's maintenance and operation staff have found that various equipment and facilities within the plant and Newark Pump Station need to be rehabilitated, replaced, or modified in order to improve the plant and pump station's operation and maintenance. The scope of work or the cost for each improvement was not extensive enough to warrant its own standalone construction project. Therefore, these improvements are combined into two larger construction projects to allow for more favorable bids.

On November 13, 2014, the General Manager executed an Agreement and Task Order No. 1 with West Yost Associates in the amount of \$55,567 for the Project preliminary design. Due to the limited budget, not all the identified improvements could be included in the project. Task Order No. 1 developed a preliminary construction cost estimate which allowed staff to evaluate and prioritize the improvements and determine which ones to include in the project.

The preliminary design was completed and the following improvements were selected to be in the Plant Facilities Improvements Project and are shown in the attached Figure 1.

1. Repair of the lining in the 60-inch primary effluent pipe between the primary clarifiers and Lift Station No. 1.
2. Installation of a jib crane on the roof of the Degritter Building.
3. Installation of safety hand railing on the roof of the Degritter Building.
4. Relocation of the concrete island at the front vehicle gate to provide better access for large trucks.
5. Installation of permanent groundwater dewatering pumps around Primary Clarifiers Nos. 1-4 to reduce uplift forces exerted on out-of-service tanks.
6. Re-coating of the structural steel beams located at the Solar Carport facility.
7. Replacement of one of the two bar screens at the Headworks Building.
8. Installation of permanent polymer solution piping from the polymer preparation facilities in the GBT building to the effluent channel of the aeration basins.
9. Miscellaneous concrete repairs (surge towers, chlorine contact tank walkway, flow meter vault, Newark Pump Station wall)
10. Replacement of digester sludge heat exchanger No. 3 and No. 6.
11. Replacement of four sodium hypochlorite tanks at the Odor Control Building (OCB) and one ferrous chloride tank at the Newark Pump Station.
12. Replacement of the existing PVC piping in the sodium hypochlorite tank enclosures with high density polyethylene piping.
13. Replacement of the OCB sodium hypochlorite distribution manifold system

Staff decided to combine the last three improvements into the new Sodium Hypochlorite Tanks and Piping Replacement Project. The improvements are similar in scope and the District may benefit in more competitive bids from contractors who specialize in this type of work. The last three improvements will have a separate set of plans and specifications and will be bid as a stand-alone construction project.

## **Task Order No. 2**

The scope of services for Task Order No. 2 includes project management, detailed design including preparation of contract documents, and bid period services for the Plant Facilities Improvements Project and the Sodium Hypochlorite Tanks and Piping Replacement Project. The scope also includes supplemental pre-design engineering to review the proposed piping layout within the Odor Control Building with the plant staff to address their operational and maintenance needs.

The fees for the scope of services are summarized as follows:

<b>Task</b>	<b>Description of Work</b>	<b>Fee</b>
1	Project Management for both Projects	\$27,134
2	Supplemental Pre-design Engineering – Sodium Hypochlorite Tanks and Piping Replacement	\$7,168
3	Contract Documents – Plant Facilities Improvements	\$130,418
4	Contract Documents – Sodium Hypochlorite Tanks and Piping Replacement	\$127,172
5	Bid Period Services – Plant Facilities Improvements	\$14,309
6	Bid Period Services – Sodium Hypochlorite Tanks and Piping Replacement	\$11,873
	<b>Task Order No. 2 Total Not-to-Exceed Fee</b>	<b>\$318,074</b>

The design fee for the Plant Facilities Improvements Project is just under 16% of the preliminary construction estimate of approximately \$2 million. For a project of this scope and size, design fees are typically between 10% and 15% of the construction estimate. However, due to the nature and wide variety of scope items, staff believes the design fees to be fair.

As a comparison, the final design fee of the 2001 Plant Mechanical Improvements Project was \$558,000, which was 14.3% of the final construction cost of \$3,895,000. The 2001 project was very similar to the two current projects as it had multiple mechanical, electrical, piping, and underground improvements throughout the plant.

The designs of both projects are scheduled for completion in Fall 2015. Staff anticipates construction of both projects to begin in early 2016.

Staff recommends the Board authorize the General Manager to execute Task Order No. 2 with West Yost Associates in the amount of \$318,074 for providing design services for the Plant Facilities Improvements Project.

PRE/SEG/RC/TL:ks

Attachments: Figure 1  
 Task Order No. 2



# **PLANT FACILITIES IMPROVEMENTS PROJECT**

**(USD Project No. 800-448)**

## **TASK ORDER NO. 2 TO**

### **AGREEMENT DATED NOVEMBER 13, 2014 BETWEEN UNION SANITARY DISTRICT AND WEST YOST ASSOCIATES FOR PROFESSIONAL SERVICES**

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#### **1. PURPOSE**

The purpose of Task Order No. 2 is to authorize the final design for the rehabilitation, replacement, and/or modification of a number of facilities located throughout the District's Alvarado Wastewater Treatment Plant and at the District's Irvington and Newark Pump Stations. These improvements are described in the Technical Memorandum titled "Plant Facilities Improvements Project" and are as follows:

1. Repair of the lining in the 60-inch primary effluent pipe between the primary clarifiers and Lift Station No. 1. This project will clean the interior surface and then apply a cementitious calcium aluminate coating to the 60 inch primary effluent pipe.
2. Installation of jib cranes and manual chain hoists at the two access hatches on the roof of the Degritter Building.
3. Installation of safety handrailing on a portion of the roof of the Degritter Building that requires frequent access by staff for maintenance activities.
4. Relocation of the concrete island at the front vehicle gate to provide better access for large trucks and the provision of a security station and camera.
5. Installation of two permanent groundwater dewatering pumps and piping around Primary Clarifiers Nos. 1-4 to reduce uplift forces exerted on out-of-service tanks. All piping and electrical conduit not attached to the primary clarifier structure will be routed below grade.
6. Replacement of four sodium hypochlorite tanks at the Odor Control Building and one ferrous chloride tank at the Newark Pump Station. The suitability of the existing tank pad for the accommodation of a larger capacity storage tank will be evaluated and any structural modifications will be incorporated if it is found to be desirable.
7. Replace the existing PVC piping with HDPE piping at the Odor Control Building and Maintenance Shop sodium hypochlorite tank enclosures.
8. Replace the existing PVC piping with HDPE piping for the sodium hypochlorite distribution manifold system located in the Odor Control Building. The new piping shall

be arranged to make the piping and associated equipment more accessible for maintenance and more intuitive to the operators.

9. Re-coating of a portion of the structural steel beams located at the Solar Carport facility that are exhibiting coating failures.
10. Replace one of the two 3/4-inch size bar screens with a smaller 3/8-inch size bar screen at the Headworks Building to increase the amount of rag removal. The scope of work will be consistent with a recently obtained proposal from the manufacturer for the retrofitting of the screen.
11. Install permanent polymer solution piping from the polymer preparation facilities in the GBT building to the effluent channel of the aeration
12. Locate and specify repairs to damaged concrete located at the following locations: surge tower stairs at the Alvarado Wastewater Treatment Plant and the Irvington and Newark Pump Stations; chlorine contact tank deck area; Degritter Building structure; and the primary effluent meter vault.
13. Replace in kind, two existing sludge heat exchangers, No. 3 and No.6.

The project elements described above will be incorporated into two separate sets of bidding and contract documents as described in the SCOPE OF SERVICES.

## 2. SCOPE OF SERVICES

The task numbers in this Scope of Services relate directly to the costs presented in Item 4, Payment to the Engineer, and the schedule presented in Item 5, Time of Completion. Deliverables to be received by Union Sanitary District (District) are described under each task. Optional tasks shown shall not be performed without authorization from the District.

Engineer shall review the District's current design standards and incorporate the pertinent standards in the Contract Documents.

### **Task 1. Project Management**

This task will include project management activities, including day-to-day administration, progress meetings, and technical reviews.

**Subtask 1.1—Project Administration.** Monitor progress of individual tasks and coordinate completion of work products. Monitor task budgets and project schedule. Schedule changes, if required, will be provided. Prepare monthly invoices and summary description of work performed during the month.

**Subtask 1.2—Progress Meetings.** Attend a project kick-off meeting and up to two progress meetings (workshops during the design phase) with District staff to discuss and review progress and significant action items. Engineer will prepare and submit meeting agendas and minutes.

**Subtask 1.3—Technical Reviews.** Technical reviews will be conducted by the Principal-in-Charge, Project Manager, and a senior staff member not directly involved in the project.

## **Task 2. Supplemental Predesign Engineering**

Develop, in conjunction with input from plant staff, functional schematic piping diagrams to describe the operational alternatives and redundancy provisions desired for the chemical feed pumping system located in the Odor Control Building.

## **Task 3. Contract Document Preparation – Plant Facilities Improvements Project**

This task will prepare contract documents, plans, and specifications suitable for bidding for the project elements 1, 2, 3, 4, 5, 9, 10, 11, 12 and 13 described in Item 1 Purpose.

**Subtask 3.1—50 Percent Design Submittal.** The first submittal following the authorization to proceed with final design will be the complete package of bidding documents, including all front end documents, technical specifications of major sections, and drawings for review by district personnel. An updated cost estimate for the construction of the project will also be submitted. The information will be presented at a 50 Percent Design Submittal workshop.

Project deliverables for this task are listed below:

- Draft table of contents, front end documents, and technical specifications of major items. [2 hard copies and PDF file]
- Preliminary cover sheet, general sheets, typical details, and plan view drawings developed to a 50% completion level. [5 hard copies (1/2 size) and PDF file]
- Workshop agendas and minutes.
- An updated 50 % construction cost estimate.
- Written responses to all comments made by District staff to design reviews.

**Subtask 3.2—90 Percent Design Submittal.** Following receipt of District comments on the 50 Percent Design submittal, the design will be further developed. The 90 Percent Design Submittal will consist of the complete package of bidding documents, including all front end documents, technical specifications, and drawings for review by district personnel. An updated cost estimate for the construction of the project will also be submitted. The information will be presented at a 90 Percent Design Submittal workshop.

Project deliverables for this task are listed below:

- Complete front end documents, technical specifications, and appendices. [2 hard copies and PDF file]
- Drawings developed to a 90% completion level. [5 hard copies (1/2 size) and PDF file]
- Workshop agendas and minutes.
- An updated construction cost estimate.
- Written responses to all comments made by District staff to design reviews.

**Subtask 3.3—Final Design Submittal.** Following receipt of comments on the 90 Percent Design Submittal package, Engineer will revise and finalize, and sign the documents for use in soliciting competitive construction bids for the project

Project deliverables for this task are listed below:

- Final stamped and signed front end documents and technical specifications. [1 hard copy and PDF file]
- Final stamped and signed drawings. [1 hard copy (1/2 size) and PDF file]

- CAD files of final drawings.
- Final cost estimate.

#### **Task 4. Contract Document Preparation – Sodium Hypochlorite Tanks and Piping Replacement Project**

This task will prepare contract documents, plans, and specifications suitable for bidding for the project elements, 6, 7, and 8 described in Item 1 Purpose:

**Subtask 4.1—50 Percent Design Submittal.** The first submittal following the authorization to proceed with final design will be the complete package of bidding documents, including all front end documents, technical specifications of major sections, and drawings for review by district personnel. An updated cost estimate for the construction of the project will also be submitted. The information will be presented at a 50 Percent Design Submittal workshop. The workshop for the Sodium Hypochlorite Tanks and Piping Replacement and the Plant Facilities Improvement Project will take place at the same time.

Project deliverables for this task are listed below:

- Draft table of contents, front end documents, and technical specifications of major items. [2 hard copies and PDF file]
- Preliminary cover sheet, general sheets, typical details, and plan view drawings developed to a 50% completion level. [5 hard copies (1/2 size) and PDF file]
- Workshop agendas and minutes.
- An updated 50 % construction cost estimate.
- Written responses to all comments made by District staff to design reviews.

**Subtask 4.2—90 Percent Design Submittal.** Following receipt of District comments on the 50 Percent Design submittal, the design will be further developed. The 90 Percent Design Submittal will consist of the complete package of bidding documents, including all front end documents, technical specifications, and drawings for review by district personnel. An updated cost estimate for the construction of the project will also be submitted. The information will be presented at a 90 Percent Design Submittal workshop. The workshop for the Sodium Hypochlorite Tanks and Piping Replacement and the Plant Facilities Improvement Project will take place at the same time.

Project deliverables for this task are listed below:

- Complete front end documents, technical specifications, and appendices. [2 hard copies and PDF file]
- Drawings developed to a 90% completion level. [5 hard copies (1/2 size) and PDF file]
- Workshop agendas and minutes.
- An updated construction cost estimate.
- Written responses to all comments made by District staff to design reviews.

**Subtask 4.3—Final Design Submittal.** Following receipt of comments on the 90 Percent Design Submittal package, Engineer will revise and finalize, and sign the documents for use in soliciting competitive construction bids for the project

Project deliverables for this task are listed below:

- Final stamped and signed front end documents and technical specifications. [1 hard copy and PDF file]
- Final stamped and signed drawings. [1 hard copy (1/2 size) and PDF file]
- CAD files of final drawings.
- Final cost estimate.

### **Task 5. Bid Period Services – Plant Facilities Improvements**

The following services will be performed under this task during the bidding of the Plant Facilities Improvements Project

1. Attendance at a pre-bid meeting for each project.
2. Review of comments and/or information requests from bidders and preparation of addenda documentation, if required.

Project deliverables for this task are listed below:

- Written addenda items for issuance during the bidding of the work.
- Prebid meeting minutes, email documentation of phone conversations with bidders

### **Task 6. Bid Period Services – Sodium Hypochlorite Tanks and Piping Replacement**

The following services will be performed under this task during the bidding of the Sodium Hypochlorite Tanks and Piping Replacement Project

1. Attendance at a pre-bid meeting for each project.
2. Review of comments and/or information requests from bidders and preparation of addenda documentation, if required.

Project deliverables for this task are listed below:

- Written addenda items for issuance during the bidding of the work.
- Prebid meeting minutes, email documentation of phone conversations with bidders

### **3. PROJECT COORDINATION**

All work related to this task order shall be coordinated through the District’s Project Manager, Thomas Lam.

### **4. PAYMENT TO THE ENGINEER**

Compensation shall be on a time and materials cost basis for services provided under Article 2 of this Agreement in accordance with the Billing Rate Schedule contained in Exhibit A (updated annually) except that subconsultants will be billed at actual cost plus 5%, outside services will be billed at actual cost, and mileage will be billed at prevailing IRS standard mileage rate. The billing rate schedule is generally comparable to a labor multiplier of approximately 3.22.

The estimated costs for Tasks 1 through 6 are presented in Exhibit B. Total charges to the District shall not exceed \$318,074.

The following table summarizes all task orders and amendments, if any, including those previously executed under the Agreement, ending with this Task Order:

<b>Task Order / Amendment</b>	<b>Not to Exceed Amount</b>	<b>Board Authorization Required? (Yes/No)</b>	<b>District Staff Approval</b>
Task Order No. 1	\$55,567	No	Paul Eldredge
Task Order No. 2	\$318,074	Yes	Paul Eldredge
<b>Total</b>	<b>\$373,641</b>		

## 5. TIME OF COMPLETION

The estimated time of completion is as follows:

<b>Milestone</b>	<b>Schedule</b>
Request for detailed background information	1 week from authorization to proceed
Kickoff meeting and site visit	1 week from receipt of background information
50% Design Submittal	6 weeks following kickoff meeting
90% Design Submittal	4 weeks following receipt of District comments on the 50% Design Submittal
Final Design Submittal	3 weeks following receipt of District comments on the 90% Design Submittal

## 6. KEY PERSONNEL

Key engineering personnel or subconsultants assigned to Task Order No. 2 are as follows:

<b>Role</b>	<b>Personnel/Subconsultant</b>
Principal-in-Charge	John D. Goodwin
Project Manager/Engineer	Jim Waters
Project Engineers	Gary Rice, Matt Lemmon
Structural Engineer	Thomas Ewert (Complete Project Solutions)
Electrical Engineer	Todd Beecher (Beecher Engineering, Inc.)

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

IN WITNESS WHEREOF, the parties hereto have made and executed this Task Order No. 2 as of \_\_\_\_\_, 2015 and therewith incorporated it as part of the Agreement.

ENGINEER:  
WEST YOST ASSOCIATES

DISTRICT:  
UNION SANITARY DISTRICT

By: \_\_\_\_\_  
John D. Goodwin  
Vice President

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



## 2015 Billing Rate Schedule

(Effective January 1, 2015 through December 31, 2015)\*

### ENGINEERING

Position	Labor Charges (dollars per hour)
Principal/Vice President	253
Engineering/Scientist/Geologist Manager II	242
Engineering/Scientist/Geologist Manager I	232
Principal Engineer/Scientist/Geologist II	224
Principal Engineer/Scientist/Geologist I	211
Senior Engineer/Scientist/Geologist II	198
Senior Engineer/Scientist/Geologist I	189
Associate Engineer/Scientist/Geologist II	179
Associate Engineer/Scientist/Geologist I	167
Engineer/Scientist/Geologist II	157
Engineer/Scientist/Geologist I	136
Senior GIS Analyst	184
GIS Analyst	174
CAD Supervisor	146
Senior CAD Designer	127
CAD Designer	113
Engineering Aide	76
Technical Specialist IV	143
Technical Specialist III	127
Technical Specialist II	110
Technical Specialist I	92
Administrative IV	116
Administrative III	105
Administrative II	87
Administrative I	69

- Hourly rates include Technology and Communication charges such as general and CAD computer, software, telephone, routine in-house copies/prints, postage, miscellaneous supplies, and other incidental project expenses.
- Outside Services such as vendor reproductions, prints, shipping, and major West Yost reproduction efforts, as well as Engineering Supplies, Travel, etc. will be billed at actual cost plus 15%.
- Mileage will be billed at the current Federal Rate.
- Subconsultants will be billed at actual cost plus 10%.
- Expert witness, research, technical review, analysis, preparation and meetings billed at 150% of standard hourly rates. Expert witness testimony and depositions billed at 200% of standard hourly rates.
- A Finance Charge of 1.5% per month (an Annual Rate of 18%) on the unpaid balance will be added to invoice amounts if not paid within 45 days from the date of the invoice.

*Continues on following page*

## 2015 Billing Rate Schedule (Effective January 1, 2015 through December 31, 2015)\*

### CONSTRUCTION MANAGEMENT

Position	Labor Charges (dollars per hour)
Senior Construction Manager	244
Construction Manager IV	212
Construction Manager III	170
Construction Manager II	159
Construction Manager I	148
Resident Inspector (Prevailing Wage – Group 1)	165
Resident Inspector (Prevailing Wage – Group 2)	159
Resident Inspector (Prevailing Wage – Group 3)	142
Resident Inspector (Prevailing Wage – Group 4)	127
Apprentice Inspector	117
CM Administrative II	85
CM Administrative I	64

### SURVEYING

Position	Labor Charges (dollars per hour)
GPS, 3-Person	387
GPS, 2-Person	336
GPS, 1-Person	261
Survey Crew, 2-Person	284
Survey Crew, 1-Person	214

### EQUIPMENT CHARGES

Equipment	Billing Rate (dollars per day)	Billing Rate (dollars per week)
DO Meter	17	83
pH Meter	5	26
Automatic Sampler	130	712
Transducer/Data Logger	41	206
Hydrant Pressure Gage	12	50
Hydrant Pressure Recorder (HPR)	—	206
Hydrant Wrench	5	33
Well Sounder	29	134
Ultrasonic Flow Meter	—	269
Vehicle	88	445
Velocity Meter	12	65
Water Quality Multimeter	176	964





**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

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

David M. O'Hara  
*Attorney*

**DATE:** April 21, 2015

**MEMO TO:** Board of Directors - Union Sanitary District

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

**SUBJECT:** Agenda Item No. 10 - Meeting of April 27, 2015  
**MOTION TO RESCHEDULE THE MAY 25, 2015 BOARD OF DIRECTORS MEETING**

### **Recommendation**

None.

### **Background**

The second regularly scheduled meeting of the Board of Directors in May falls on Memorial Day. Traditionally, the Board has rescheduled meetings that fall on holidays to the next business day. The Board approved an item at the April 13, 2015, meeting that scheduled a public hearing to be held Tuesday, May 26, 2015. Staff is recommending the Board reschedule the meeting scheduled for Monday, May 25, 2015, to Tuesday, May 26, 2015.

**UNION SANITARY DISTRICT  
CHECK REGISTER  
4/4/2015-4/17/2015**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157241	4/9/2015	952972	POLYDYNE INC	45,180 LBS CLARIFLOC C-6267	\$49,472.10	\$49,472.10
157322	4/16/2015	533620150323	US BANK CORP PAYMENT SYSTEM	MONTHLY CAL-CARD STMT - MAR 2015	\$20,158.67	\$20,158.67
157246	4/9/2015	19505	RMC WATER AND ENVIRONMENT	OLD ALAMEDA CREEK NPDES PERMIT RENEWAL	\$7,023.48	\$20,142.02
	4/9/2015	19512		ALVARADO TREATMENT PLANT SITE USE STUDY	\$13,118.54	
157252	4/9/2015	31042	TJC AND ASSOCIATES INC	STEVENSON COMMUNICATION TOWER PROJECT	\$16,225.56	\$16,225.56
157230	4/9/2015	9017439357	KEMIRA WATER SOLUTIONS, INC.	7.76 DRY TONS FERROUS CHLORIDE	\$5,075.04	\$15,283.98
	4/9/2015	9017439954		8.08 DRY TONS FERROUS CHLORIDE	\$5,284.32	
	4/9/2015	9017439039		7.53 DRY TONS FERROUS CHLORIDE	\$4,924.62	
157217	4/9/2015	1137957A	DELTA DENTAL SERVICE	MARCH 2015 DENTAL	\$1,606.20	\$14,154.60
	4/9/2015	1137957C		MARCH 2015 DENTAL	\$12,548.40	
157279	4/16/2015	902094104	EVOQUA WATER TECHNOLOGIES	2,815 GALS HYDROGEN PEROXIDE	\$13,069.48	\$13,069.48
157240	4/9/2015	761520150327	PACIFIC GAS AND ELECTRIC	SERV TO 03/27/15 NEWARK PS	\$12,683.17	\$12,707.17
	4/9/2015	224720150325		SERV TO 03/24/15 CS TRAINING TRAILER	\$24.00	
157206	4/9/2015	140534	CAROLLO ENGINEERS	COGENERATION PROJECT	\$12,378.61	\$12,378.61
157192	4/9/2015	63358	3T EQUIPMENT COMPANY INC	12 PIPEPATCH KIT - WINTER	\$5,242.86	\$12,107.79
	4/9/2015	63408		1 FLOW THROUGH PACKER & 3 ZIP TIES	\$2,371.05	
	4/9/2015	63411		9 PIPEPATCH KIT - WINTER	\$4,493.88	
157275	4/16/2015	621320	CONTROLWORX LLC	WATER CHAMP REPAIR	\$11,589.76	\$11,589.76

UNION SANITARY DISTRICT  
CHECK REGISTER  
4/4/2015-4/17/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157235	4/9/2015	24841575	MOTION INDUSTRIES INC	1 EA APS HEAD GATE HYDRAULIC CYLINDER	\$10,134.41	\$10,134.41
157309	4/16/2015	140310	RAFTELIS FINANCIAL CONSULTANTS	SSC COST OF SERVICE STUDY	\$9,328.00	\$9,328.00
157253	4/9/2015	672928	UNIVAR USA INC	5,002 GALS SODIUM HYPOCHLORITE	\$2,311.92	\$9,246.76
	4/9/2015	673330		5,001 GALS SODIUM HYPOCHLORITE	\$2,311.46	
	4/9/2015	673319		5,001 GALS SODIUM HYPOCHLORITE	\$2,311.46	
	4/9/2015	673905		5,002 GALS SODIUM HYPOCHLORITE	\$2,311.92	
157259	4/16/2015	63457	3T EQUIPMENT COMPANY INC	4 PIPEPATCH KIT - WINTER	\$2,866.54	\$9,108.04
	4/16/2015	63442		10 PIPEPATCH KIT - WINTER	\$6,241.50	
157232	4/9/2015	37432220150401	LINCOLN NATIONAL LIFE INS COMP	LIFE & DISABILITY INSURANCE - APR 2015	\$7,502.18	\$7,502.18
157205	4/9/2015	6362	BURLINGAME ENGINEERS INC	1 MSB HYPO PUMP 1 STROKE CONTROLLER	\$6,860.96	\$6,860.96
157306	4/16/2015	29589406	PAN PACIFIC SUPPLY COMPANY	2 CHESTERTON 442 SEAL RSC/CB/FKM	\$3,562.35	\$6,077.35
	4/16/2015	29589418		1 CHESTERTON 442 SEAL RSC/CB/FKM	\$2,515.00	
157294	4/16/2015	10931721	KRONOS INC	MANAGING TIMECARDS & PREPARING PAYROLL TRNG: HOLSLAG	\$2,700.00	\$5,940.00
	4/16/2015	10931926		ADMINISTERING APPLICATION TRNG: HOLSLAG, ROJO, & WEST	\$3,240.00	
157216	4/9/2015	XJN49WXJ5	DELL MARKETING LP C/O DELL USA	2 FY15 Q3 LAPTOPS	\$5,551.32	\$5,551.32
157307	4/16/2015	955266	POLYDYNE INC	42,180 LBS CLARIFLOC WE-539	\$5,542.45	\$5,542.45
157290	4/16/2015	20263	IEDA INC	LABOR RELATIONS CONSULTING 04/01/15 - 08/30/15	\$5,460.00	\$5,460.00
157293	4/16/2015	9017440743	KEMIRA WATER SOLUTIONS, INC.	7.91 DRY TONS FERROUS CHLORIDE	\$5,173.14	\$5,173.14

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157213	4/9/2015	254352	CURTIS & TOMPKINS LTD	61 LAB SAMPLE ANALYSIS	\$1,010.00	\$5,110.00
	4/9/2015	254414		27 LAB SAMPLE ANALYSIS	\$390.00	
	4/9/2015	254311		71 LAB SAMPLE ANALYSIS	\$3,710.00	
157321	4/16/2015	674445	UNIVAR USA INC	5,001 GALS SODIUM HYPOCHLORITE	\$2,311.46	\$4,622.92
	4/16/2015	674709		5,001 GALS SODIUM HYPOCHLORITE	\$2,311.46	
157271	4/16/2015	64259	CDW GOVERNMENT LLC	2 CISCO IE 4000 4X COMBO 10100M	\$4,431.13	\$4,431.13
157224	4/9/2015	9288012	HACH COMPANY	1 EA DR3900 SPECTROPHOTOMETER W/Rfid	\$4,324.72	\$4,324.72
157296	4/16/2015	25717996	MCMMASTER SUPPLY INC	18 ASTD QUICK-RELEASE PINS	\$39.44	\$4,185.07
	4/16/2015	27710157		1 EA PRESSURE REGULATOR	\$88.63	
	4/16/2015	27242257		2 EA HIGH-FLOW PLASTIC AIR-POWERED DIAPHRAGM PUMPS	\$1,662.10	
	4/16/2015	27446494		1 EA 5 GALLON DRUM GEAR OIL	\$134.54	
	4/16/2015	27269162		2 EA RUBBER CASTERS	\$35.02	
	4/16/2015	27589216		4 EA FIRE EXTINGUISHER COVERS	\$53.20	
	4/16/2015	27354946		ASTD PARTS & MATERIALS	\$1,705.33	
	4/16/2015	27615941		ASTD PARTS & MATERIALS	\$466.81	
157318	4/16/2015	22932	THOMPSON TANK INC	1 SHORT BLOCK & 1 HEAD RECONDITION KIT	\$4,164.05	\$4,164.05
157214	4/9/2015	37553	D & L SUPPLY	ASTD CASTING - FRAME AND COVERS	\$3,967.99	\$3,967.99
157284	4/16/2015	7731	GENMORE PLUMBING	REFUND # 18011	\$3,587.50	\$3,587.50
157260	4/16/2015	32700	ABC FIRE PROTECTION INC	ANNUAL FIRE EXTINGUISHER SERVICE 2015	\$3,302.95	\$3,302.95

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157209	4/9/2015	54422849	CINTAS CORPORATION	UNIFORM LAUNDERING SERVICE	\$301.50	\$3,272.30
	4/9/2015	54420556		UNIFORM LAUNDERING SERVICE	\$319.76	
	4/9/2015	54418347		UNIFORM LAUNDERING SERVICE	\$319.76	
	4/9/2015	54422850		ASTD DUST MOPS, WET MOPS & TERRY TOWELS	\$88.00	
	4/9/2015	54418348		UNIFORM LAUNDERING SERVICE	\$301.50	
	4/9/2015	54416067		UNIFORM LAUNDERING SERVICE	\$319.76	
	4/9/2015	54420557		UNIFORM LAUNDERING SERVICE	\$301.50	
	4/9/2015	54422848		UNIFORM LAUNDERING SERVICE	\$309.76	
	4/9/2015	54418349		ASTD DUST MOPS, WET MOPS & TERRY TOWELS	\$88.00	
	4/9/2015	54416068		UNIFORM LAUNDERING SERVICE	\$301.50	
	4/9/2015	54425129		UNIFORM LAUNDERING SERVICE	\$319.76	
	4/9/2015	54425130		UNIFORM LAUNDERING SERVICE	\$301.50	
157280	4/16/2015	135530	EXAMINETICS	2015 ANNUAL HEARING & RESPIRATOR FIT TEST	\$3,090.00	\$3,090.00
157301	4/16/2015	115000396	NBS	SEWER SERVICE CHARGE DATA SERV APR- JUN 2015	\$2,808.38	\$2,808.38
157270	4/16/2015	140574	CAROLLO ENGINEERS	FREMONT & PASEO PADRE LS IMPROVEMENTS	\$2,662.27	\$2,662.27

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157262	4/16/2015	4105756020150331	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 03/31/15-MTR HYD 33481982	\$293.42	\$2,599.10
	4/16/2015	4047286120150331		SERV TO: 03/31/15 - PASEO PADRE	\$31.95	
	4/16/2015	4105755320150331		SERV TO: 03/31/15-MTR HYD 19866546	\$337.43	
	4/16/2015	4105755720150331		SERV TO: 03/31/15-MTR HYD 19866542	\$383.43	
	4/16/2015	4105755420150331		SERV TO: 03/31/15-MTR HYD 29389785	\$337.43	
	4/16/2015	4105755620150331		SERV TO: 03/31/15-MTR HYD 18486436	\$425.59	
	4/16/2015	4105755820150331		SERV TO: 03/31/15-MTR HYD 15210655	\$402.59	
	4/16/2015	4105755520150331		SERV TO: 03/31/15-MTR HYD 19866544	\$387.26	
157193	4/9/2015	32658	ABC FIRE PROTECTION INC	6 HALON FIRE EXTINGUISHERS	\$2,541.50	\$2,541.50
157234	4/9/2015	7563	MISSION PEAK CO./PALM AVENUE	REFUND # 17986	\$2,500.00	\$2,500.00
157238	4/9/2015	7641	NCM DEMOLITION AND REMEDIATION	REFUND # 17991	\$2,500.00	\$2,500.00
157244	4/9/2015	916002370785	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - MARCH 2015	\$2,460.55	\$2,460.55
157324	4/16/2015	33634	WECO INDUSTRIES LLC	REPAIR CAMERA TRANSPORTER	\$2,451.14	\$2,451.14
157302	4/16/2015	901366923	NORTHERN SAFETY CO., INC.	5 EA FALL PROTECTION SLEEVES	\$2,370.83	\$2,370.83
157300	4/16/2015	20150413	BRODERICK MOY	EXP REIMB: PITTCOON-REGIS/LODGING/AIRFARE/MEALS/PARKING	\$2,356.66	\$2,356.66

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157305	4/16/2015	898220150402	PACIFIC GAS AND ELECTRIC	SERV TO 04/01/15 FREMONT PS	\$189.79	\$2,211.83
	4/16/2015	140120150407		SERV TO 04/05/15 IRVINGTON PS	\$26.60	
	4/16/2015	013720150407		SERV TO 04/08/15 BOYCE RD PS	\$1,597.56	
	4/16/2015	666720150402		SERV TO 04/01/15 PASEO PADRE PS	\$160.62	
	4/16/2015	892820150402		SERV TO 04/01/15 HAYWARD MARSH	\$41.90	
	4/16/2015	096020150402		SERV TO 04/01/15 CATHODIC PROJECT	\$40.15	
	4/16/2015	380420150402		SERV TO 03/29/15 CHERRY ST PS	\$155.21	
157257	4/9/2015	15763	WHIPPLE AUTO BODY INC	REPAIR BODY DAMAGE TRUCK T1303	\$2,037.55	\$2,037.55
157265	4/16/2015	6393179	AT&T	SERV: 02/20/15 - 03/19/15	\$16.95	\$2,009.12
	4/16/2015	6387467		SERV: 02/20/15 - 03/19/15	\$1,992.17	
157311	4/16/2015	209069	RF MACDONALD CO	1 PULSAFEEDER ECO GEARCHEM PUMP	\$1,719.28	\$1,719.28
157256	4/9/2015	8040665899	VWR INTERNATIONAL LLC	3 SOLUTION FILL BTL 60MLF/PERF AMONIA ISE	\$219.73	\$1,687.51
	4/9/2015	8040668214		1 ELECTRODE F/MEMBRANE & 1 ELECTRODE AMMONIA WITH BN	\$847.46	
	4/9/2015	8040662334		2 PKS MICROFIBRE GLS GF 12.5CM	\$620.32	

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157269	4/16/2015	10648700	BLAISDELL'S	ASTD BREAK ROOM SUPPLIES	\$135.74	\$1,604.33
	4/16/2015	10656110		1 WALL CLOCK		
	4/16/2015	10662140		ASTD OFFICE SUPPLIES	\$49.26	
	4/16/2015	10665290		ASTD OFFICE SUPPLIES	\$7.38	
	4/16/2015	10638480		1 STANDING WORKSTATION P. ELDREDGE	\$13.63	
	4/16/2015	10638501		1TALL USER KIT T. RODRIGUEZ	\$682.65	
	4/16/2015	10657350		1 HP TONER	\$54.70	
	4/16/2015	10659740		ASTD OFFICE SUPPLIES	\$168.86	
	4/16/2015	10662340		2 DZ PENS	\$390.77	
	4/16/2015	10638481		1 TALL USER KIT P. ELDREDGE	\$28.58	
	4/16/2015	10662010		1 PK LASER PAPER	\$54.70	
157229	4/9/2015	1014614	INDUSTRIAL SAFETY SUPPLY	2 BOXES EARPLUGS	\$18.06	\$1,515.50
	4/9/2015	1014705		ASTD CAL GAS FOR ELECTRICIANS	\$96.75	
157202	4/9/2015	862035	BAY AREA NEWS GROUP EAST BAY	2 ADS: PROJECT 436 & NOTICE OF SIGNIFICANT VIOLATOR	\$1,418.75	\$1,492.92

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157266	4/16/2015	60355	BARNETT MEDICAL SERVICES LLC	50 LBS PHARMACEUTICAL WASTE REMOVAL	\$85.00	\$1,409.00
	4/16/2015	63948		30 LBS PHARMACEUTICAL WASTE REMOVAL	\$85.00	
	4/16/2015	63944		35 LBS PHARMACEUTICAL WASTE REMOVAL	\$85.00	
	4/16/2015	63945		80 LBS PHARMACEUTICAL WASTE REMOVAL	\$243.00	
	4/16/2015	61801		60 LBS PHARMACEUTICAL WASTE REMOVAL	\$85.00	
	4/16/2015	61253		150 LBS PHARMACEUTICAL WASTE REMOVAL	\$243.00	
	4/16/2015	63594		140 LBS PHARMACEUTICAL WASTE REMOVAL	\$164.00	
	4/16/2015	63841		35 LBS PHARMACEUTICAL WASTE REMOVAL	\$85.00	
	4/16/2015	61474		40 LBS PHARMACEUTICAL WASTE REMOVAL	\$85.00	
	4/16/2015	60666		45 LBS PHARMACEUTICAL WASTE REMOVAL	\$164.00	
	4/16/2015	61800		60 LBS PHARMACEUTICAL WASTE REMOVAL	\$85.00	
157268	4/16/2015	31543	BEECHER ENGINEERING	ARC FLASH STUDY	\$720.00	\$1,400.00
	4/16/2015	31557		STANDBY POWER SYSTEM UPGRADE	\$680.00	
157315	4/16/2015	21207	SERVICWRKX	SERVICE REQUEST: REPLACE SUCTION LINE ACCUMULATOR	\$1,336.02	\$1,336.02
157310	4/16/2015	916002382597	REPUBLIC SERVICES #916	ROLL OFF ON CALL - MARCH 2015	\$1,215.32	\$1,215.32
157313	4/16/2015	70750259	ROSEMOUNT MEASUREMENT INC	1 MAGNETIC FLOWTUBE+XMITTER	\$1,200.98	\$1,200.98

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157285	4/16/2015	1841070671	GOODYEAR COMM TIRE & SERV CTRS	RECYCLE 22 USED TIRES	\$180.00	\$1,151.88
	4/16/2015	1841070691		2 EA TIRES	\$290.95	
	4/16/2015	1841070677		2 EA TIRES	\$280.70	
	4/16/2015	1841070719		1 EA TIRE	\$400.23	
157196	4/9/2015	7004653555	APPLIED INDUSTRIAL TECHNOLOGIE	5 GOODYEAR BLUE PLOVIC 1" HOSE 200PSI 50	\$870.63	\$1,119.00
	4/9/2015	7004643103		ASTD BELTS & BEARINGS	\$248.37	
157247	4/9/2015	2564500001	S & S SUPPLIES & SOLUTIONS	ASTD SAFETY SUPPLIES	\$842.82	\$1,117.23
	4/9/2015	2564500002		60 PRS GLOVES & 20 PRS SAFETY GLASSES	\$274.41	
157263	4/16/2015	6885	AMERICAN DISCOUNT SECURITY	MARCH SECURITY GUARD SERVICES	\$1,035.00	\$1,035.00
157264	4/16/2015	503892	A-PRO PEST CONTROL INC	MAR PEST CONTROL	\$1,005.00	\$1,005.00
157249	4/9/2015	8122768032615	SIERRA SPRING WATER COMPANY	BOTTLESS COOLERS RENTAL	\$239.00	\$990.67
	4/9/2015	4868173032615		WATER SERVICE 02/27/15 - 03/26/15	\$751.67	
157320	4/16/2015	15044	CITY OF UNION CITY	MISC SPOT REPAIRS PHASE VI	\$952.00	\$952.00
157288	4/16/2015	18726	HAYWARD PIPE AND SUPPLY	ASTD PARTS & MATERIALS	\$931.39	\$931.39
157218	4/9/2015	8558	EAST BAY MUNI UTILITY DISTRICT	16 LAB SAMPLE ANALYSIS	\$913.70	\$913.70

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157233	4/9/2015	26960768	MCMMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$460.80	\$901.09
	4/9/2015	26884403		1 EA COMPACT PUMP & ACRYLIC SHEET	\$141.84	
	4/9/2015	26970130		1 EA PISTOL-GRIP INFRARED THERMOMETER	\$217.56	
	4/9/2015	26588784		5 RS WHITE DELRIN ACETAL RESING TUBES	\$35.98	
	4/9/2015	26806221		10 PACKS FILTERS	\$44.91	
157197	4/9/2015	6371941	AT&T	SERV: 02/13/15 - 03/12/15	\$41.87	\$899.19
	4/9/2015	6358671		SERV: 02/13/15 - 03/12/15	\$725.49	
	4/9/2015	6367844		SERV: 02/13/15 - 03/12/15	\$96.13	
	4/9/2015	6371812		SERV: 02/13/15 - 03/12/15	\$35.70	
157237	4/9/2015	623915	NAPA AUTO PARTS	ASTD OIL & AIR FILTERS	\$172.55	\$874.74
	4/9/2015	20150331		MONTHLY AUTO PARTS STMT - MAR 2015	\$702.19	
157258	4/9/2015	4048	ZELAYA DESIGNS	USD NEWSLETTER	\$622.00	\$868.00
	4/9/2015	4049		USD NEWSLETTER	\$246.00	
157282	4/16/2015	226776	CITY OF FREMONT	KATO ROAD GRADE SEPARATION SS RELOCATION	\$841.94	\$841.94
157215	4/9/2015	3177	D2L PRODUCTS, LLC	10 GREEN ABSORBENT FOR TPO	\$819.60	\$819.60
157243	4/9/2015	820000008218	RED WING SHOE STORE	SAFETY SHOES - FMC & TPO	\$799.55	\$799.55
157227	4/9/2015	997720150327	HOME DEPOT CREDIT SERVICES	MONTHLY HARDWARE STMT - MAR 2015	\$753.71	\$753.71
157239	4/9/2015	42613522	OFFICE TEAM	TEMP LABOR-BLANCHETTE, V., WKEND 03/13/15	\$750.36	\$750.36
157281	4/16/2015	33130	EXECUTRAIN	6 STUDENTS - MS EXCEL INTERMEDIATE TRAINING	\$750.00	\$750.00

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157251	4/9/2015	3261505173	STAPLES CONTRACT & COMMERCIAL	5 CS PAPER TOWEL ROLLS	\$159.32	\$710.95
	4/9/2015	3261505166		ASTD JANITORIAL & BREAKROOM SUPPLIES - INVENTORY	\$551.63	
157272	4/16/2015	7672	JIAN DA CHEN	REFUND - WORK CANCELLED	\$700.00	\$700.00
157298	4/16/2015	9535	MICHAEL RICHARD WASTEWTR MICRO	CONDUCT MICROBIOLOGICAL EVALUATION	\$700.00	\$700.00
157198	4/9/2015	87896581203252015 AT&T		SERV: 02/18/15 - 03/17/15	\$675.09	\$675.09
157312	4/16/2015	20150414	THERESA RODRIGUEZ	EXP REIMB: 3 POP UP CANOPIES FMC DEPT	\$659.97	\$659.97
157248	4/9/2015	1818485629	SAFELITE GLASS CORPORATION	REPLACE WINDSHIELD T3343	\$592.35	\$592.35
157203	4/9/2015	162575	BAY CENTRAL PRINTING	5000 #10 SECURITY WINDOW ENVELOPES W/USD LOGO	\$573.58	\$573.58
157289	4/16/2015	50983	HEAVY EQUIPMENT PARTS, INC	2 EA 5 GAL CORROSEAL	\$549.43	\$549.43
157207	4/9/2015	44525	CDW GOVERNMENT LLC	2 PLANT SWITCH R&R	\$542.71	\$542.71
157297	4/16/2015	2370	M-I-C INC	ASTD DIGESTER PARTS	\$522.14	\$522.14
157201	4/9/2015	63946	BARNETT MEDICAL SERVICES LLC	50 LBS PHARMACEUTICAL WASTE REMOVAL	\$85.00	\$504.00
	4/9/2015	60046		120 LBS PHARMACEUTICAL WASTE REMOVAL	\$164.00	
	4/9/2015	63950		50 LBS PHARMACEUTICAL WASTE REMOVAL	\$85.00	
	4/9/2015	59857		30 LBS PHARMACEUTICAL WASTE REMOVAL	\$85.00	
	4/9/2015	63947		50 LBS PHARMACEUTICAL WASTE REMOVAL	\$85.00	
157219	4/9/2015	7651	EIAMIA INC	REFUND # 18007	\$500.00	\$500.00
157222	4/9/2015	7688	FIX-IT PLUMBING INC	REFUND # 17988	\$500.00	\$500.00
157242	4/9/2015	7741	PULTE HOME CORPORATION	REFUND # 17990	\$500.00	\$500.00

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157245	4/9/2015	7696	RESCUE ROOTER	REFUND # 17989	\$500.00	\$500.00
157283	4/16/2015	7576	FRESH AIR MECHANICAL	REFUND # 18009	\$500.00	\$500.00
157292	4/16/2015	7827	J. MACHADO INC.	REFUND # 18010	\$500.00	\$500.00
157295	4/16/2015	7814	LALO'S SEWER & DRAIN	REFUND # 18018	\$500.00	\$500.00
157325	4/16/2015	7523	CHRIS YOUNG	REFUND # 18017	\$500.00	\$500.00
157223	4/9/2015	9676461750	GRAINGER INC	4 EA HYDROCHLORIC ACID, 10 PERCENT	\$56.50	\$487.93
	4/9/2015	9877567563		1 EA PIN & SLEEVE PLUG		
157299	4/16/2015	697245	MOBILE MODULAR MANAGEMENT CORP	FMC TRAILER RENTAL - APR 2015	\$431.43	\$467.57
157319	4/16/2015	16010781	TRI DIM FILTER CORPORATION	200 TRI-DEK 15/40 2 PLY PADS	\$414.97	\$414.97
157228	4/9/2015	286638292	IDEXX DISTRIBUTION INC	ASTD LAB TESTING SUPPLIES	\$401.99	\$401.99
157267	4/16/2015	4796	BAY AREA COATING CONSULTANT	COATING INSPECTION SERVICES	\$395.56	\$395.56
157199	4/9/2015	89235	ATS ELECTRO LUBE INC	10 AUTOLUBER BATTERY PACKS	\$386.69	\$386.69
157200	4/9/2015	234329	AUTO BODY TOOLMART	ASTD PARTS & MATERIALS	\$383.90	\$383.90
157255	4/9/2015	9742624693	VERIZON WIRELESS	WIRELESS SERV 02/21/15-03/20/15	\$352.68	\$352.68
157278	4/16/2015	100934	EUROFINS AIR TOXICS INC	5 LAB SAMPLE ANALYSIS	\$350.00	\$350.00
157221	4/9/2015	1111343	FASTENAL	ASTD PARTS & MATERIALS	\$285.24	\$339.43
	4/9/2015	118033		ASTD PARTS & MATERIALS	\$54.19	
157220	4/9/2015	1000374087	ENVIRONMENTAL EXPRESS	ASTD LAB SUPPLIES	\$310.16	\$310.16
157303	4/16/2015	42665843	OFFICE TEAM	TEMP LABOR-BLANCHETTE, V., WKEND 03/20/15	\$307.84	\$307.84

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157317	4/16/2015	20150415	SWRCB - CERTIFICATIONS	GRADE III CERT RENEW - FULKERSON	\$300.00	\$300.00
157273	4/16/2015	44080480	CINTAS FIRE PROTECTION	TROUBLESHOOT BLDG 84 BEEPING	\$265.00	\$265.00
157210	4/9/2015	44080216	CINTAS FIRE PROTECTION	UL CERTIFICATION 2015-2016	\$250.00	\$250.00
157226	4/9/2015	18687	HAYWARD PIPE AND SUPPLY	1 EA BALL VALVE	\$244.32	\$244.32
157323	4/16/2015	8040746896	VWR INTERNATIONAL LLC	1 AMMONIA CHLORIDE 99.5% MIN 500GM	\$34.45	\$238.65
	4/16/2015	8040773317		3 BDH BUFFER REF STD PH7 YELLOW 4L	\$90.67	
	4/16/2015	8040719091		6 IONIC STRENGTH ADJUSTOR	\$113.53	
157287	4/16/2015	312435	HARRINGTON INDUSTRIAL PLASTICS	ASTD PVC FITTINGS	\$224.19	\$224.19
157308	4/16/2015	235724	PRESTIGE LENS LAB	VDT GLASSES - KULL, D	\$221.28	\$221.28
157316	4/16/2015	20150401	SPOK INC	APRIL 2015 PAGER SERVICE	\$217.41	\$217.41
157204	4/9/2015	10648970	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$182.67	\$194.04
	4/9/2015	10647510		2 TAPE DISPENSERS	\$11.37	
157212	4/9/2015	88566	COPYMAT OF NEWARK/FREMONT	2000 B&W COPIES	\$167.86	\$167.86
157231	4/9/2015	20150403	CONGNA LI	EXP REIMB: REGIS FEE CWEA BIOSOLIDS CLASS	\$165.00	\$165.00
157291	4/16/2015	1015081	INDUSTRIAL SAFETY SUPPLY	1 CYLINDER PPE/CAL GAS	\$162.00	\$162.00
157276	4/16/2015	20150414	CWEA-NRTC	MEMBERSHIP RENEWAL: A. HERNANDEZ	\$156.00	\$156.00
157314	4/16/2015	7563171901	RS HUGHES CO INC	2 BXS EAR PLUGS PUSH IN CONE SHAPED	\$151.57	\$151.57
157211	4/9/2015	177708	CLARK'S HOME AND GARDEN INC	1 YD CONCRETE 6SK	\$146.73	\$146.73
157274	4/16/2015	177819	CLARK'S HOME AND GARDEN INC	1 YD CONCRETE 6SK	\$146.73	\$146.73

UNION SANITARY DISTRICT  
CHECK REGISTER  
4/4/2015-4/17/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157261	4/16/2015	9037631252	AIRGAS NCN	2 SCR N WLDG FRM SNGL PNL 6'X8'	\$135.34	\$135.34
157277	4/16/2015	20150415	RICHARD CZAPKAY	EXP REIMB: TRAINING - MILEAGE & PARKING	\$125.22	\$125.22
157250	4/9/2015	20150331	JENNIFER SIO-KWOK	EXP REIMB: LUNCH KRONOS TRAINING	\$45.61	\$117.56
157254	4/9/2015	20150403		EXP REIMB: LUNCHES HR ANALYST II QAI PANEL	\$71.95	
157254	4/9/2015	9853115.0	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 03/14/15	\$76.71	\$76.71
157225	4/9/2015	312216	HARRINGTON INDUSTRIAL PLASTICS	8 EA ADAPTERS	\$58.03	\$58.03
157236	4/9/2015	24841148	MOTION INDUSTRIES INC	1 EA SLEEVE	\$50.97	\$50.97
157194	4/9/2015	1315	ALAMEDA COUNTY TREASURER	15 ASSESSOR'S MAPS	\$45.00	\$45.00
157195	4/9/2015	1730599	ANALYSTS INC	2 LAB SAMPLE ANALYSIS	\$44.00	\$44.00
157304	4/16/2015	WO6292	PACHECO BROTHERS GARDENING INC	REPLACE BATTERIES BY 2 BATTERY CONTROLLERS	\$35.00	\$35.00
157286	4/16/2015	9683363551	GRAINGER INC	6 EA LAMP HOLDERS	\$23.01	\$23.01
157208	4/9/2015	278540	CENTERVILLE LOCKSMITH	5 SCHLAGE DND KEY BLANK	\$9.03	\$9.03
<b>Invoices:</b>						
<b>Credit Memos:</b>						
		0				
	\$0 - \$1,000 :	164	48,665.49	\$0 - \$1,000 :	72	31,345.53
	\$1,000 - \$10,000 :	58	190,092.22	\$1,000 - \$10,000 :	50	171,366.73
	\$10,000 - \$100,000 :	10	171,378.70	\$10,000 - \$100,000 :	12	207,424.15
	Over \$100,000 :	0		Over \$100,000 :		
<b>Total:</b>		232	410,136.41	<b>Total:</b>	134	410,136.41

**Checks:**

\$0 - \$1,000 : 72  
\$1,000 - \$10,000 : 50  
\$10,000 - \$100,000 : 12  
Over \$100,000 :  
Total: 134



**Directors**

Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

**Officers**

Paul R. Eldredge, P.E.  
*General Manager/District  
Engineer*

David M. O'Hara  
*Attorney*

**DATE:** April 20, 2015

**MEMO TO:** Board of Directors - Union Sanitary District

**FROM:** Paul R. Eldredge, General Manager/District Engineer  
Rich Cortés, Business Services Manager  
Roslyn Fuller, Purchasing Agent  
Kim Truong, Administrative Specialist II

**SUBJECT:** Agenda Item No. 11b. – April 27, 2015  
Information item: **CAL-CARD QUARTERLY MERCHANT  
ACTIVITY REPORT**

**Recommendation**

Information Only

**Information**

The attached CAL-Card Merchant Spend Analysis details the CAL-Card activity for the third quarter of FY 2015. This covers transactions for the CAL-Card billing period December 23, 2014 through March 22, 2015. During this quarter, we had 245 transactions totaling \$76,775.99.

### Analysis - Detail

MCC	Merchant Name	Merchant City	Merchant State/ Province	Debit Amount	Nbr of Debit Trans	Average Spend per Debit Trans	Credit Amount	Nbr of Credit Trans	Total Spend	% of Total Spend	Nbr of Trans	Total Sales Tax
8398	<a href="#">CA WATER ENV ASSN</a>	510-382-7800	CA	\$ 6,759.74	24	\$ 281.66	\$ 0.00	0	\$ 6,759.74	8.97%	24	\$ 2.04
5999	<a href="#">IN * FOUNDATION FITNESS LL</a>	503-5059538	OR	6,786.28	1	6,786.28	38.00	1	6,748.28	8.96%	2	0.00
8220	<a href="#">RELIABILITY MAINTAINABILI</a>	865-9749554	TN	4,212.00	1	4,212.00	0.00	0	4,212.00	5.59%	1	0.00
9399	<a href="#">CITY OF FREMONT DEV SVCS</a>	FREMONT	CA	3,240.00	2	1,620.00	0.00	0	3,240.00	4.30%	2	0.00
5533	<a href="#">MYFLEETDEPTCOM</a>	585-3748827	NY	2,799.00	1	2,799.00	0.00	0	2,799.00	3.71%	1	0.00
8398	<a href="#">CALIFORNIA ASSOC OF SAN</a>	916-4460388	CA	2,700.00	5	540.00	0.00	0	2,700.00	3.58%	5	0.00
5039	<a href="#">OWEN EQUIPMENT COMPANY</a>	503-2559055	OR	2,165.40	4	541.35	0.00	0	2,165.40	2.87%	4	182.14
5021	<a href="#">BIZ2BIZ ONLINE VT3</a>	800-3385370	CA	1,978.96	1	1,978.96	0.00	0	1,978.96	2.63%	1	0.00
7399	<a href="#">SIMPLER LIFE EMERGENCY</a>	800-2667737	CA	1,934.13	1	1,934.13	0.00	0	1,934.13	2.57%	1	0.00
5085	<a href="#">FARWEST CORROSION CONTO</a>	310-532-9524	CA	1,588.89	2	794.45	0.00	0	1,588.89	2.11%	2	128.83
5085	<a href="#">CALIFORNIA SERVICE TOOL</a>	510-782-1000	CA	1,459.43	1	1,459.43	0.00	0	1,459.43	1.94%	1	126.62
5039	<a href="#">C S UNITEC</a>	203-8539522	CT	1,342.32	1	1,342.32	0.00	0	1,342.32	1.78%	1	84.83
8999	<a href="#">IN *KEN GRADY COMPANY, IN</a>	415-8835924	CA	1,247.99	2	624.00	0.00	0	1,247.99	1.66%	2	104.79
7392	<a href="#">PSMJ RESOURCES INC</a>	617-965-0055	MA	1,195.00	1	1,195.00	0.00	0	1,195.00	1.59%	1	0.00
5231	<a href="#">HAYWARD COLOR INC</a>	HAYWARD	CA	1,154.14	2	577.07	0.00	0	1,154.14	1.53%	2	0.00
5039	<a href="#">GRANITEROCK #211</a>	831-7682000	CA	930.75	1	930.75	0.00	0	930.75	1.24%	1	0.00
5199	<a href="#">TAP PLASTICS # 20</a>	FREMONT	CA	884.93	2	442.47	0.00	0	884.93	1.17%	2	0.00

### Analysis - Detail

MCC	Merchant Name	Merchant City	Merchant State/ Province	Debit Amount	Nbr of Debit Trans	Average Spend per Debit Trans	Credit Amount	Nbr of Credit Trans	Total Spend	% of Total Spend	Nbr of Trans	Total Sales Tax
5533	<a href="#">D2L PRODUCTS LLC</a>	GRAPEVINE	TX	819.12	1	819.12	0.00	0	819.12	1.09%	1	0.00
3066	<a href="#">SOUTHWES</a> <a href="#">5262482995708</a>	800-435-9792	TX	811.20	1	811.20	0.00	0	811.20	1.08%	1	0.00
7699	<a href="#">IN *SABRE</a> <a href="#">BACKFLOW INC</a>	925-6985169	CA	799.64	1	799.64	0.00	0	799.64	1.06%	1	67.64
5085	<a href="#">EFFICIENCY</a> <a href="#">PRODUCTION, IN</a>	800-5528800	MI	778.50	2	389.25	0.00	0	778.50	1.03%	2	0.00
5065	<a href="#">SCHNEIDERLECT</a> <a href="#">RIC IT C</a>	401-398-8450N	RI	776.78	1	776.78	0.00	0	776.78	1.03%	1	0.00
7399	<a href="#">TYLER USER</a> <a href="#">CONFERENCE</a>	800-800-2581	OH	775.00	1	775.00	0.00	0	775.00	1.03%	1	0.00
9399	<a href="#">CALIFORNIA</a> <a href="#">SPECIAL DISTR</a>	916-442-7887	CA	763.00	3	254.33	0.00	0	763.00	1.01%	3	0.00
5085	<a href="#">CITRUS DEPOT</a>	727-3447627	FL	728.00	1	728.00	0.00	0	728.00	0.97%	1	0.00
8699	<a href="#">WEF WYTHE</a>	800-6660206	VA	660.00	3	220.00	0.00	0	660.00	0.88%	3	0.00
4468	<a href="#">GO2MARINE</a>	206-780-5670	WA	624.05	1	624.05	0.00	0	624.05	0.83%	1	0.00
5942	<a href="#">AMAZON.COM</a>	AMZN.COM/BILL	WA	864.83	10	86.48	249.41	1	615.42	0.82%	11	75.02
5200	<a href="#">BUILD-CHARGE.CO</a> <a href="#">M</a>	800-375-3403	CA	597.49	1	597.49	0.00	0	597.49	0.79%	1	0.00
3066	<a href="#">SOUTHWES</a> <a href="#">5262482241309</a>	800-435-9792	TX	563.70	1	563.70	0.00	0	563.70	0.75%	1	0.00
8398	<a href="#">ISA</a>	919-549-8411	NC	530.00	2	265.00	0.00	0	530.00	0.70%	2	0.00
5969	<a href="#">4IMPRINT</a>	877-4467746	WI	526.61	1	526.61	0.00	0	526.61	0.70%	1	0.00
1771	<a href="#">A-1 READY MIX</a>	510-690-8530	CA	520.93	1	520.93	0.00	0	520.93	0.69%	1	0.00
5969	<a href="#">B&amp;H PHOTO</a> <a href="#">800-606-6969</a>	800-2215743	NY	501.89	1	501.89	0.00	0	501.89	0.67%	1	0.00
7299	<a href="#">LEADERSHIP IQ.CO</a> <a href="#">M</a>	800-814-7859	GA	498.00	2	249.00	0.00	0	498.00	0.66%	2	0.00

### Analysis - Detail

MCC	Merchant Name	Merchant City	Merchant State/ Province	Debit Amount	Nbr of Debit Trans	Average Spend per Debit Trans	Credit Amount	Nbr of Credit Trans	Total Spend	% of Total Spend	Nbr of Trans	Total Sales Tax
5965	<a href="#">OFFICE DEPOT</a> <a href="#">1135</a>	800-463-3768	CA	\$ 490.31	2	\$ 245.16	\$ 0.00	0	\$ 490.31	0.65%	2	\$ 42.54
3000	<a href="#">UNITED</a> <a href="#">0162435044720</a>	800-932-2732	TX	470.70	1	470.70	0.00	0	470.70	0.62%	1	0.00
3000	<a href="#">UNITED</a> <a href="#">0162435044721</a>	800-932-2732	TX	470.70	1	470.70	0.00	0	470.70	0.62%	1	0.00
3000	<a href="#">UNITED</a> <a href="#">0162435044722</a>	800-932-2732	TX	470.70	1	470.70	0.00	0	470.70	0.62%	1	0.00
5969	<a href="#">NSC*NORTHERN SAFETY CO</a>	800-631-1246	NY	468.18	1	468.18	0.00	0	468.18	0.62%	1	0.00
5065	<a href="#">CONTROLLED POWER</a>	425-4851778	WA	450.00	1	450.00	0.00	0	450.00	0.60%	1	0.00
5942	<a href="#">DEVTRA INC.</a>	OAKVILLE	ON	444.56	1	444.56	0.00	0	444.56	0.59%	1	0.00
3066	<a href="#">SOUTHWES</a> <a href="#">5262481642151</a>	800-435-9792	TX	444.20	1	444.20	0.00	0	444.20	0.59%	1	0.00
3066	<a href="#">SOUTHWES</a> <a href="#">5262481642152</a>	800-435-9792	TX	444.20	1	444.20	0.00	0	444.20	0.59%	1	0.00
5200	<a href="#">LOWES #01132*</a>	UNION CITY	CA	436.75	5	87.35	0.00	0	436.75	0.58%	5	37.85
8299	<a href="#">TECHSTREET</a>	800-699-9277	MI	434.72	1	434.72	0.00	0	434.72	0.58%	1	0.00
8398	<a href="#">NFPA NATL FIRE PROTECT</a>	800-344-3555	MA	430.00	1	430.00	0.00	0	430.00	0.57%	1	0.00
5511	<a href="#">MISSION VALLEY FORD PARTS</a>	SAN JOSE	CA	404.26	1	404.26	0.00	0	404.26	0.54%	1	0.00
8911	<a href="#">BROWN AND CALDWELL</a>	925-2102277	CO	400.00	2	200.00	0.00	0	400.00	0.53%	2	0.00
5999	<a href="#">INDUSTRIALSUPPL YAME</a>	800-916-5027	UT	398.10	1	398.10	0.00	0	398.10	0.53%	1	0.00
5734	<a href="#">BAMBOO SOLUTIONS</a>	877-226-2662	VA	396.00	1	396.00	0.00	0	396.00	0.53%	1	0.00
5969	<a href="#">AMERICAN PUBLIC WORKS</a>	8164726100	MO	395.00	1	395.00	0.00	0	395.00	0.52%	1	0.00
5099	<a href="#">LANDTEC NORTH</a>	909-783-3636	CA	387.63	1	387.63	0.00	0	387.63	0.51%	1	27.91

### Analysis - Detail

MCC	Merchant Name	Merchant City	Merchant State/ Province	Debit Amount	Nbr of Debit Trans	Average Spend per Debit Trans	Credit Amount	Nbr of Credit Trans	Total Spend	% of Total Spend	Nbr of Trans	Total Sales Tax
	<u>AMERICAN</u>											
5072	<u>BURLINGTON</u>	925-8661412	CA	383.83	2	191.92	0.00	0	383.83	0.51%	2	0.00
	<u>SAFETY LABORAT</u>											
5734	<u>SYSTEMTOOLS</u>	830-779-2349	TX	378.00	1	378.00	0.00	0	378.00	0.50%	1	0.00
	<u>SOFTWARE INCO</u>											
5085	<u>INTERTEX INC</u>	626-3853300	CA	377.53	1	377.53	0.00	0	377.53	0.50%	1	27.57
	<u>LCP HOLDINGS LLC</u>											
5331	<u>LCP HOLDINGS LLC</u>	847-662-2626	IL	365.76	1	365.76	0.00	0	365.76	0.49%	1	0.00
	<u>GOVERNMENT FINANCE</u>											
8699	<u>GOVERNMENT FINANCE</u>	312-977-9700	IL	365.00	2	182.50	0.00	0	365.00	0.48%	2	0.00
	<u>AMERICAN WATERWORKS</u>											
8699	<u>AMERICAN WATERWORKS</u>	800-926-7337	CO	349.00	1	349.00	0.00	0	349.00	0.46%	1	0.00
	<u>SOUTHWES</u>											
3066	<u>SOUTHWES</u>	800-435-9792	TX	328.70	1	328.70	0.00	0	328.70	0.44%	1	0.00
	<u>5262473869703</u>											
3066	<u>SOUTHWES</u>	800-435-9792	TX	328.70	1	328.70	0.00	0	328.70	0.44%	1	0.00
	<u>5262480366725</u>											
5065	<u>NEWARK US</u>	773-9075740	IL	317.34	2	158.67	0.00	0	317.34	0.42%	2	25.73
	<u>000700000075</u>											
7392	<u>S M R P</u>	404-252-3663	GA	310.00	1	310.00	0.00	0	310.00	0.41%	1	0.00
	<u>UNION CITY CITY HALL</u>											
9399	<u>UNION CITY CITY HALL</u>	510-675-5381	CA	302.00	1	302.00	0.00	0	302.00	0.40%	1	0.00
	<u>CONTENT MANAGEMENT COR</u>											
7338	<u>CONTENT MANAGEMENT COR</u>	510-505-1100	CA	300.99	1	300.99	0.00	0	300.99	0.40%	1	0.00
	<u>CALIFORNIA ASSOCIATION</u>											
8699	<u>CALIFORNIA ASSOCIATION</u>	530-755-4922	CA	299.00	2	149.50	0.00	0	299.00	0.40%	2	0.00
	<u>FLEETPRIDE 720</u>											
5533	<u>FLEETPRIDE 720</u>	800-2333038	CA	287.49	2	143.75	0.00	0	287.49	0.38%	2	6.12
	<u>OFFICESUPPLY CO M</u>											
5943	<u>OFFICESUPPLY CO M</u>	866-302-5397	WI	286.20	2	143.10	0.00	0	286.20	0.38%	2	22.42
	<u>INTELLIGEN VIEW GUARD</u>											
5045	<u>INTELLIGEN VIEW GUARD</u>	877-484-3948	FL	284.78	2	142.39	0.00	0	284.78	0.38%	2	0.00
	<u>AVANGATE*VIRTOS OFTWARE</u>											
5734	<u>AVANGATE*VIRTOS OFTWARE</u>	888-2471614	CA	274.50	1	274.50	0.00	0	274.50	0.36%	1	0.00

### Analysis - Detail

MCC	Merchant Name	Merchant City	Merchant State/ Province	Debit Amount	Nbr of Debit Trans	Average Spend per Debit Trans	Credit Amount	Nbr of Credit Trans	Total Spend	% of Total Spend	Nbr of Trans	Total Sales Tax
5137	<a href="#">LANDS END BUS OUTFITTERS</a>	800-587-1541	WI	\$ 274.34	2	\$ 137.17	\$ 0.00	0	\$ 274.34	0.36%	2	\$ 26.92
5399	<a href="#">SMARTSIGN</a>	718-797-1900	NY	273.67	1	273.67	0.00	0	273.67	0.36%	1	0.00
5074	<a href="#">KULLY SUPPLY</a>	800-518-5388	MN	269.69	2	134.85	0.00	0	269.69	0.36%	2	0.00
5047	<a href="#">TELEDYNE ISCO</a>	402-4640231	NE	269.03	1	269.03	0.00	0	269.03	0.36%	1	23.34
8398	<a href="#">NACE INTERNATIONAL</a>	800-797-6223	TX	260.00	2	130.00	0.00	0	260.00	0.35%	2	0.00
7399	<a href="#">NACWA</a>	202-8332672	DC	250.00	1	250.00	0.00	0	250.00	0.33%	1	0.00
5085	<a href="#">TIFCO INDUSTRIES INC</a>	281-5716000	TX	248.18	1	248.18	0.00	0	248.18	0.33%	1	16.30
5045	<a href="#">DMI* DELL K-12/GOVT</a>	800-981-3355	TX	242.43	1	242.43	0.00	0	242.43	0.32%	1	0.00
7311	<a href="#">CRAIGSLIST.ORG</a>	415-399-5200	CA	225.00	2	112.50	0.00	0	225.00	0.30%	2	0.00
5200	<a href="#">LOWES #02273*</a>	DUBLIN	CA	219.05	1	219.05	0.00	0	219.05	0.29%	1	18.09
5734	<a href="#">SOURCEGEAR DBA ZUMERO</a>	ZUMERO.COM	IL	210.00	1	210.00	0.00	0	210.00	0.28%	1	0.00
5065	<a href="#">7547 ROYAL</a>	SAN LEANDRO	CA	200.00	1	200.00	0.00	0	200.00	0.27%	1	0.00
5734	<a href="#">ADOBE SYSTEMS, INC.</a>	800-833-6687	CA	199.00	1	199.00	0.00	0	199.00	0.26%	1	0.00
5943	<a href="#">OFFICE DEPOT #2160</a>	HAYWARD	CA	187.47	1	187.47	0.00	0	187.47	0.25%	1	15.48
5200	<a href="#">ORCHARD SUPPLY #100</a>	FREMONT	CA	187.35	2	93.68	0.00	0	187.35	0.25%	2	15.47
3066	<a href="#">SOUTHWES 5262474906520</a>	800-435-9792	TX	186.20	1	186.20	0.00	0	186.20	0.25%	1	0.00
5072	<a href="#">THE LIGHTHOUSE</a>	HAYWARD	CA	185.72	2	92.86	0.00	0	185.72	0.25%	2	0.00
3057	<a href="#">VIRGIN AMER</a>	877-3598474	CA	184.20	1	184.20	0.00	0	184.20	0.24%	1	0.00

### Analysis - Detail

MCC	Merchant Name	Merchant City	Merchant State/ Province	Debit Amount	Nbr of Debit Trans	Average Spend per Debit Trans	Credit Amount	Nbr of Credit Trans	Total Spend	% of Total Spend	Nbr of Trans	Total Sales Tax
5085	<a href="#">9842141777094</a> <a href="#">REED &amp; GRAHAM, INC.</a>	SAN JOSE	CA	183.52	1	183.52	0.00	0	183.52	0.24%	1	0.00
5099	<a href="#">ROUTEARROWS-T</a> <a href="#">URNTOOZ LLC</a>	415-2654663	CA	182.43	1	182.43	0.00	0	182.43	0.24%	1	13.59
8249	<a href="#">NATL/PADGET</a> <a href="#">8006825061</a>	913-4327755	KS	179.00	1	179.00	0.00	0	179.00	0.24%	1	0.00
5814	<a href="#">CHIPOTLE 1529</a>	UNION CITY	CA	156.63	4	39.16	0.00	0	156.63	0.21%	4	0.00
7372	<a href="#">IN*PERISCOPE</a> <a href="#">HOLDINGS,I</a>	512-4729062	TX	150.00	1	150.00	0.00	0	150.00	0.20%	1	0.00
8641	<a href="#">FREMONT</a> <a href="#">CHAMBER OF</a> <a href="#">COMMER</a>	510-7952244	CA	135.00	1	135.00	0.00	0	135.00	0.18%	1	0.00
5099	<a href="#">FRESHWATER</a> <a href="#">EFILTER</a>	877-335-3339	SC	130.58	1	130.58	0.00	0	130.58	0.17%	1	0.00
5661	<a href="#">MUCKANDSTUFF</a>	817-326-5470	TX	129.95	1	129.95	0.00	0	129.95	0.17%	1	0.00
5942	<a href="#">AMAZON</a> <a href="#">MKTPLACE PMTS</a>	AMZN.COM/BILL	WA	171.79	4	42.95	41.85	1	129.94	0.17%	5	3.64
9399	<a href="#">USGOVT PRINT</a> <a href="#">OFC.32</a>	202-512-1065	DC	128.00	1	128.00	0.00	0	128.00	0.17%	1	0.00
5047	<a href="#">IDEXX</a> <a href="#">DISTRIBUTION INC</a>	800-814-1147	ME	124.37	1	124.37	0.00	0	124.37	0.17%	1	8.48
8299	<a href="#">TAYLOR &amp; FRANCIS</a> <a href="#">BOOKS</a>	561-361-6000	KY	113.84	1	113.84	0.00	0	113.84	0.15%	1	0.00
5943	<a href="#">OFFICE MAX</a>	UNION CITY	CA	113.61	2	56.81	0.00	0	113.61	0.15%	2	11.16
5200	<a href="#">ORCHARD SUPPLY</a> <a href="#">#070</a>	LIVERMORE	CA	113.27	1	113.27	0.00	0	113.27	0.15%	1	9.35
5311	<a href="#">SEARS.COM 9300</a>	800-349-4358	IA	109.49	1	109.49	0.00	0	109.49	0.15%	1	9.50
7538	<a href="#">JOSE GONZALES</a>	FREMONT	CA	108.75	1	108.75	0.00	0	108.75	0.14%	1	0.00
5085	<a href="#">WW GRAINGER</a>	877-2022594	PA	107.94	1	107.94	0.00	0	107.94	0.14%	1	8.33

### Analysis - Detail

MCC	Merchant Name	Merchant City	Merchant State/ Province	Debit Amount	Nbr of Debit Trans	Average Spend per Debit Trans	Credit Amount	Nbr of Credit Trans	Total Spend	% of Total Spend	Nbr of Trans	Total Sales Tax
5046	<a href="#">ENGINEERSUPPLY</a> <a href="#">COM</a>	800-5918907	VA	\$ 106.24	1	\$ 106.24	\$ 0.00	0	\$ 106.24	0.14%	1	\$ 0.00
8398	<a href="#">CGA</a>	703-836-1709	VA	100.00	1	100.00	0.00	0	100.00	0.13%	1	0.00
8699	<a href="#">PAYPAL</a> <a href="#">*PIPEUSERSGR</a>	402-935-7733	CA	100.00	1	100.00	0.00	0	100.00	0.13%	1	0.00
1799	<a href="#">CLASSIC GRAPHICS</a>	NEWARK	CA	94.73	1	94.73	0.00	0	94.73	0.13%	1	0.00
3066	<a href="#">SOUTHWES</a> <a href="#">5262482260951</a>	800-435-9792	TX	91.00	1	91.00	0.00	0	91.00	0.12%	1	0.00
8641	<a href="#">PAYPAL *MSA SF</a> <a href="#">BAY</a>	402-935-7733	CA	90.00	4	22.50	0.00	0	90.00	0.12%	4	0.00
7216	<a href="#">GREEN LEAF</a> <a href="#">CLEANERS</a>	FREMONT	CA	85.00	1	85.00	0.00	0	85.00	0.11%	1	0.00
5072	<a href="#">CELEBRATION</a> <a href="#">PARTY EQUIP</a>	510-887-2729	CA	80.00	1	80.00	0.00	0	80.00	0.11%	1	0.00
5085	<a href="#">CUMMINS PACIFIC</a>	800-746-5757	CA	77.03	1	77.03	0.00	0	77.03	0.10%	1	0.00
5169	<a href="#">NSI SOLUTIONS INC</a>	RALEIGH	NC	77.00	1	77.00	0.00	0	77.00	0.10%	1	0.00
5111	<a href="#">KELLY 42 -</a> <a href="#">HAYWARD</a>	HAYWARD	CA	76.62	2	38.31	0.00	0	76.62	0.10%	2	6.65
3066	<a href="#">SOUTHWES</a> <a href="#">5262472458375</a>	800-435-9792	TX	76.10	1	76.10	0.00	0	76.10	0.10%	1	0.00
5099	<a href="#">COMPLIANCESIGN</a> <a href="#">S.COM</a>	800-578-1245	IL	74.00	1	74.00	0.00	0	74.00	0.10%	1	0.00
7299	<a href="#">THE LIVING</a> <a href="#">CURRICULUM</a>	510-397-0473	CA	70.00	1	70.00	0.00	0	70.00	0.09%	1	0.00
5812	<a href="#">CHAAT BHAVAN</a>	FREMONT	CA	68.41	1	68.41	0.00	0	68.41	0.09%	1	0.00
7399	<a href="#">EB *ATC-20 POST</a> <a href="#">EARTHQ</a>	888-810-2063	CA	64.29	1	64.29	0.00	0	64.29	0.09%	1	0.00
5251	<a href="#">IN *COMFORT</a> <a href="#">FIRST PRODUCT</a>	714-5504971	CA	61.50	1	61.50	0.00	0	61.50	0.08%	1	0.00

### Analysis - Detail

MCC	Merchant Name	Merchant City	Merchant State/ Province	Debit Amount	Nbr of Debit Trans	Average Spend per Debit Trans	Credit Amount	Nbr of Credit Trans	Total Spend	% of Total Spend	Nbr of Trans	Total Sales Tax
9399	<a href="#">CA DEPT PEST REG PUBLICA</a>	916-4453891	CA	\$ 60.00	1	\$ 60.00	\$ 0.00	0	\$ 60.00	0.08%	1	\$ 0.00
8699	<a href="#">INT'L CODE COUNCIL INC</a>	888-422-7233	IL	58.18	1	58.18	0.00	0	58.18	0.08%	1	0.00
5599	<a href="#">PETERSON POWER SYSTEMS</a>	510-3576200	CA	57.43	1	57.43	0.00	0	57.43	0.08%	1	0.00
5999	<a href="#">PARTY CITY</a>	FREMONT	CA	56.77	1	56.77	0.00	0	56.77	0.08%	1	4.69
5812	<a href="#">CHILI'S UNION CITY</a>	UNION CITY	CA	54.33	1	54.33	0.00	0	54.33	0.07%	1	0.00
5200	<a href="#">LOWES #01895*</a>	FREMONT	CA	51.42	1	51.42	0.00	0	51.42	0.07%	1	4.24
8699	<a href="#">NCCCO-SALT LAKE CITY</a>	801-363-2693	UT	50.00	1	50.00	0.00	0	50.00	0.07%	1	0.00
5814	<a href="#">MR PICKLES 325 - UNION</a>	UNION CITY	CA	46.68	1	46.68	0.00	0	46.68	0.06%	1	0.00
5999	<a href="#">PARTY CITY</a>	UNION CITY	CA	45.53	1	45.53	0.00	0	45.53	0.06%	1	3.95
4816	<a href="#">YAHOO *BAYAREABIOSOLI</a>	408-916-2149	CA	41.82	3	13.94	0.00	0	41.82	0.06%	3	0.00
7399	<a href="#">HIRING PRODUCTS RESUMEGIG.COM</a>	RESUMEGIG.COM	CA	81.55	4	20.39	39.80	1	41.75	0.06%	5	0.00
5970	<a href="#">MICHAELS STORES 4812</a>	FREMONT	CA	39.92	1	39.92	0.00	0	39.92	0.05%	1	0.00
7997	<a href="#">CALIFORNIA ASSOCIATION</a>	530-755-4922	CA	39.00	1	39.00	0.00	0	39.00	0.05%	1	0.00
7399	<a href="#">ALL IN ONE POSTER COMP</a>	714-5217720	CA	36.20	1	36.20	0.00	0	36.20	0.05%	1	0.00
5942	<a href="#">AMAZON.COM</a>	AMZN.COM/BILL	WA	36.19	1	36.19	0.00	0	36.19	0.05%	1	3.14
5311	<a href="#">SEARS ROEBUCK 1698</a>	NEWARK	CA	33.76	1	33.76	0.00	0	33.76	0.04%	1	2.79
5511	<a href="#">FH DAILEY CHEVROLET</a>	SAN LEANDRO	CA	30.52	1	30.52	0.00	0	30.52	0.04%	1	2.58
5943	<a href="#">OFFICEMAX/OFFICE EDEPOT617Z</a>	UNION CITY	CA	26.79	1	26.79	0.00	0	26.79	0.04%	1	2.32
5085	<a href="#">PENN DETROIT</a>	215-335-0500	PA	42.15	2	21.08	20.17	1	21.98	0.03%	3	3.62

### Analysis - Detail

MCC	Merchant Name	Merchant City	Merchant State/ Province	Debit Amount	Nbr of Debit Trans	Average Spend per Debit Trans	Credit Amount	Nbr of Credit Trans	Total Spend	% of Total Spend	Nbr of Trans	Total Sales Tax
	<u>DIESE</u>											
5399	<u>ROGER'S CAMPING TRAILERS.</u>	FREMONT	CA	18.96	1	18.96	0.00	0	18.96	0.03%	1	0.00
5943	<u>THESTAMPMAKER</u>	888-451-7300	MI	15.45	1	15.45	0.00	0	15.45	0.02%	1	0.00
7523	<u>SFMTA CIVIC CTR GARAGE</u>	SAN FRANCISCO	CA	15.00	1	15.00	0.00	0	15.00	0.02%	1	0.00
5251	<u>HARBOR FREIGHT TOOLS 38</u>	NEWARK	CA	11.97	1	11.97	0.00	0	11.97	0.02%	1	0.99
5310	<u>WAL-MART #2031</u>	UNION CITY	CA	5.43	1	5.43	0.00	0	5.43	0.01%	1	0.47
8999	<u>HIRING PRODUCTS</u>	RESUMEGIG.COM		39.80	1	39.80	39.80	1	0.00	0.00%	2	0.00
5719	<u>BED BATH &amp; BEYOND #218</u>	FREMONT	CA	87.19	1	87.19	87.19	1	0.00	0.00%	2	7.20
5331	<u>LCP HOLDINGS LLC</u>	8476622626	IL	0.00	0	0.00	365.76	1	(365.76)	0.00%	1	0.00
5969	<u>LABOR ARBITRATION INST</u>	507-663-1220	MN	0.00	0	0.00	550.00	2	(550.00)	(0.73%)	2	0.00
				<b>\$76,775.99</b>			<b>\$1,431.98</b>		<b>\$75,344.01</b>		<b>245</b>	<b>\$ 1,184.34</b>

## Merchant Analysis - Detail Output Parameter Page

Cycle Close Date Range: 01/2015 to 03/2015

Report Type: Detail

Merchant Profile Source: Association

Merchant Names: All

Merchant Category Code Group: All

Merchant States: All

Sort Report By: (1) Total Spend, (2) No Sort, (3) No Sort, (4) No Sort

Break/Subtotal Level: No Break/Subtotal

Merchant Position:	Bank	Agent	Company	Division	Department
	1425	3135	51756	All	All



**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

**Officers**  
Paul R. Eldredge, P.E.  
*General Manager/  
District Engineer*

David M. O'Hara  
*Attorney*

**DATE:** April 20, 2015

**MEMO TO:** Board of Directors - Union Sanitary District

**FROM:** Paul R. Eldredge, General Manager/District Engineer  
Sami E. Ghossain, Technical Services Manager  
Michael Dunning, Environmental Compliance Coach  
Alex Paredes, Environmental Programs Coordinator

**SUBJECT:** Agenda Item No. 11.c - Meeting of April 27, 2015  
Information Item: **Certificates of Merit to Union Sanitary District's  
Class I Permitted Industries**

## **Recommendation**

Information Only

## **Background**

The Certificates of Merit event is an annual event that is held to recognize industries that have exceeded the requirements of their wastewater discharge permits during the prior calendar year and that have demonstrated their continued commitment to protecting the environment. In addition, the certificates recognize industries that have consistently complied with and implemented pollution prevention measures, maintained a cooperative relationship with the District and demonstrated continuing awareness and understanding of environmental issues and requirements.

The District has invited representatives from thirty-two (32) Significant Industrial Users (SIUs) with Class I Wastewater Discharge Permits, to receive Certificates of Merit on May 28, 2015 at 3:00 p.m. at the District offices. District staff commends these thirty-two SIU's for their excellent performance during 2014 and the Board of Directors is invited to attend this presentation and congratulate the Certificate of Merit recipients for a job well done.

Companies receiving the Certificates of Merit are:

**City of Fremont** (26 of 30 SIUs)

Amphenol Thermometrics  
Analog Semiconductors  
Applied Thin Film Products  
Bay Area Circuits  
Clean Science Inc.  
Clean Sciences Technology  
Compugraphics  
Enablence USA Comp Inc.  
Finisar Corp.  
Intematix Corp.  
Intevac Inc  
Kaiser Permanente  
Lam Research CA 3  
Lam Research CA 30  
Materion Electrofusion  
Microwave Technology Inc  
Neo Photonics  
Nitinol Devices & Components Inc #1  
Pantronix Corp.  
Quality Transport  
Quantum Clean #2  
Seagate Technology LLC#3  
Soraa, Inc.  
Tri-Cities Waste Management  
Washington Hospital  
Western Digital Corp. Bldg #1

**City of Newark** (2 of 4 SIUs)

Britech Electropolishing  
Matheson Tri-Gas Inc

**City of Union City** (4 of 4 SIUs)

Electrochem Solutions  
Royal Truck Body  
Star Pacific Inc.  
US Pipe & Foundry Company

PRE/SEG/MD/AP:av



**Directors**  
 Manny Fernandez  
 Tom Handley  
 Pat Kite  
 Anjali Lathi  
 Jennifer Toy

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

David M. O'Hara  
*Attorney*

**DATE:** April 20, 2015

**MEMO TO:** Board of Directors - Union Sanitary District

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

**SUBJECT:** Agenda Item No. 11d – Meeting of April 27, 2015  
 Information Item: **Third Quarterly Report on the Capital Improvement Program for FY'15**

**Recommendation:**

Information only

**Background:**

In June 2014, the Board approved the Capital Improvement Program (CIP) budget for FY'15 in the amount of \$14.87 million for the design and construction of 21 projects. The third quarter expenditures for FY'15 are shown on the attached budget projection graphs. These graphs depict actual expenditures versus approved budget for the Capacity Fund 900, the Renewal and Replacement Fund 800, as well as for both funds combined.

The total CIP expenditure up to March 31, 2015, was below the projections for the third quarter by only \$11,000. The main projects that incurred considerably less or more than the projected expenditures are listed below.

These primary variances are tabulated as follows:

<b>Project</b>	<b>Variance at the end of 3<sup>rd</sup> Quarter (x \$1000)</b>	<b>Comments</b>
Thickener Control Building Improvements	- 501	Contractor is about two months behind schedule. The delays are mainly due to a late start by the contractor and requests for clarifications on the design of the electrical building.

<b>Project</b>	<b>Variance at the end of 3<sup>rd</sup> Quarter (x \$1000)</b>	<b>Comments</b>
Jarvis Ave (MSR V) Sewer Replacement	+ 160	Construction bid amount was about \$35,000 above approved budget. Design Contract amendment was about \$34,000. Other expenditures included ACWD's for relocating a number of waterline crossings.
Digester No. 5	+330	Construction bid amount is about \$330,000 above approved budget.
<b>Total Variance for the 3<sup>rd</sup> Qtr.</b>	<b>- 11</b>	

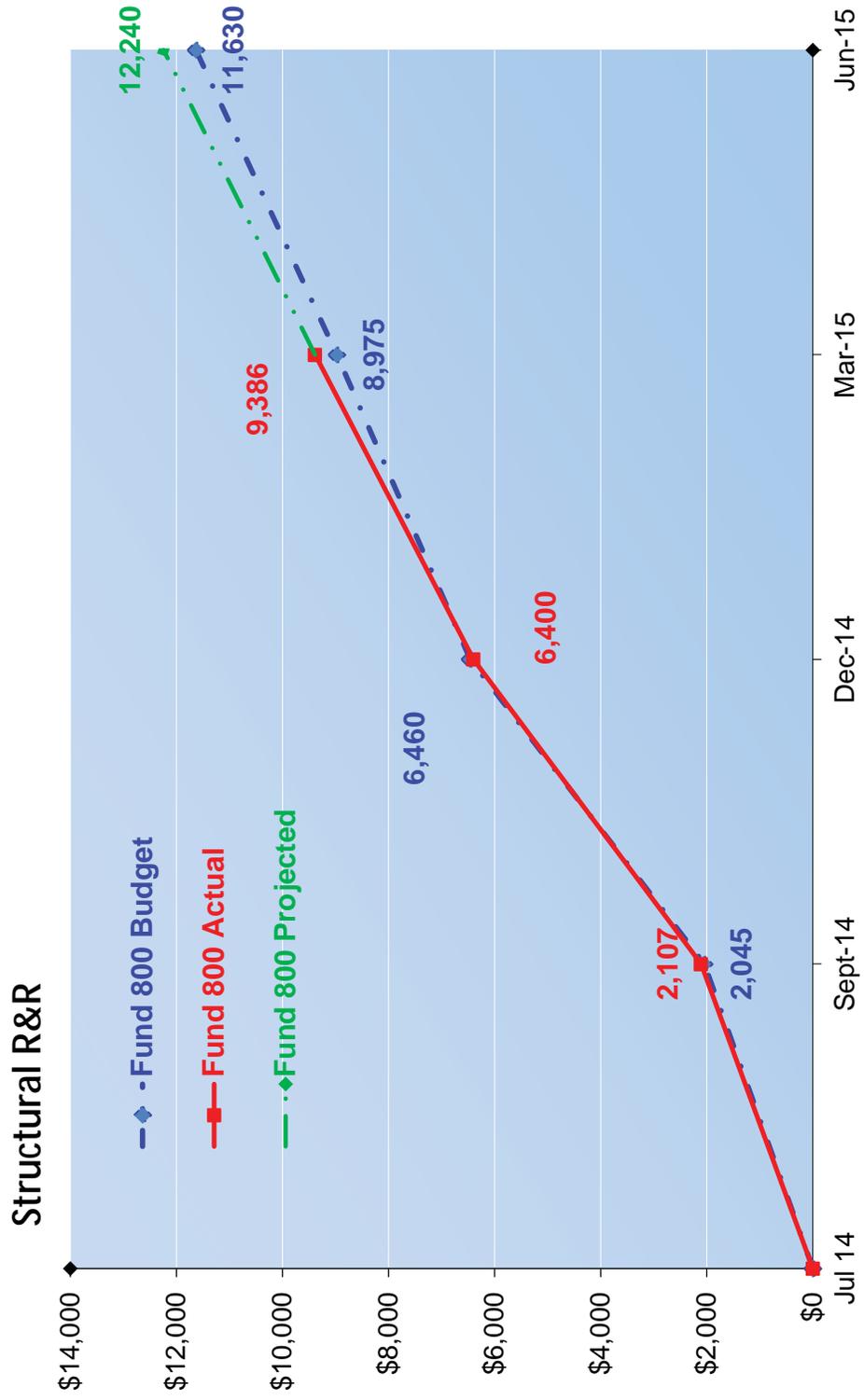
The following Priority 1 projects will be either in design or in construction during the last quarter of FY'15:

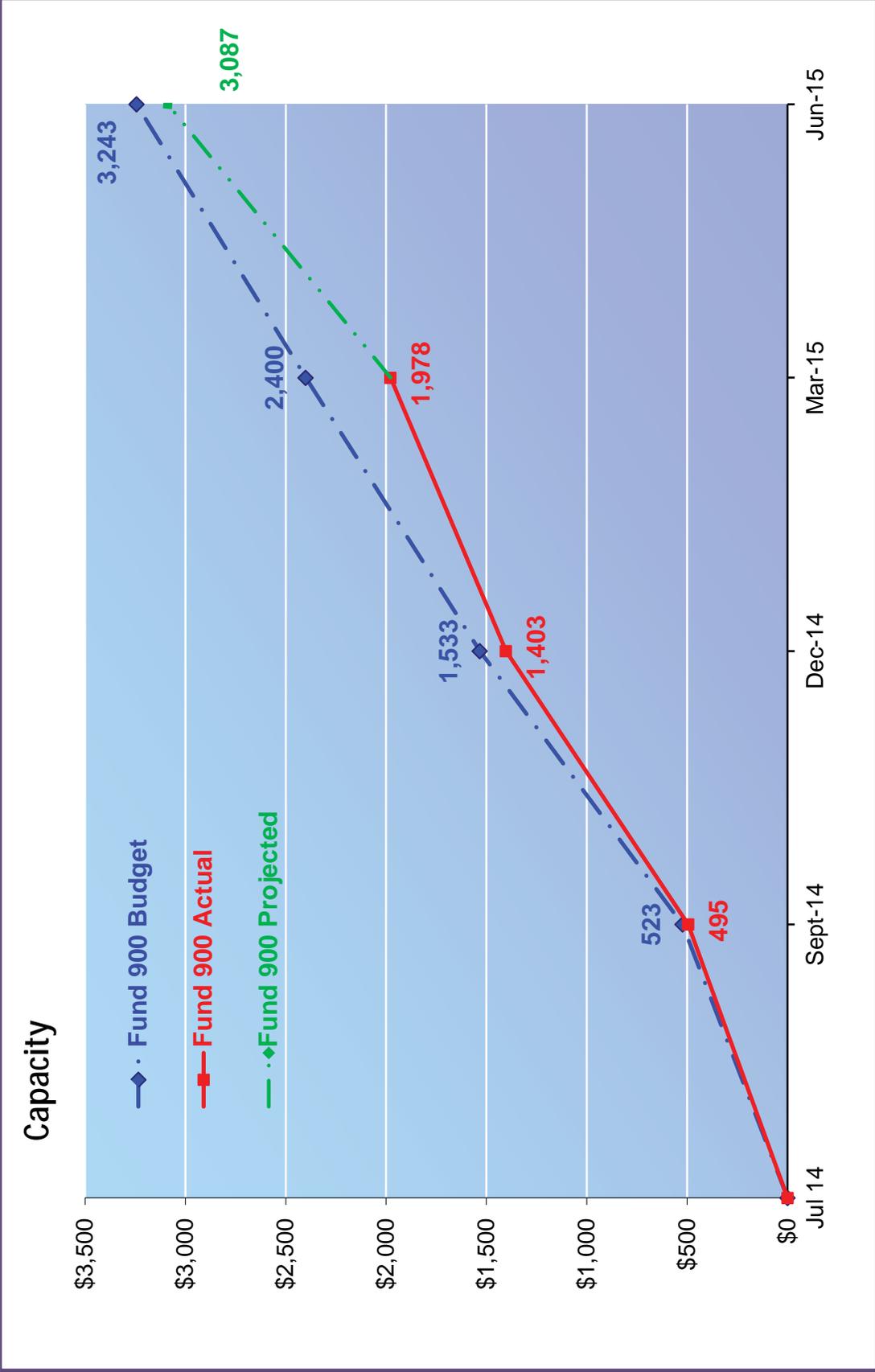
1. Alvarado-Niles Blvd. Sewer Rehab
2. Fremont & PP LS Internal Lift Pumps
3. Pine St. Easement Project
4. Cogeneration Project
5. Thickener Control Building Improvements

In addition, several other smaller projects will be either in design or in construction during the remainder of FY'15.

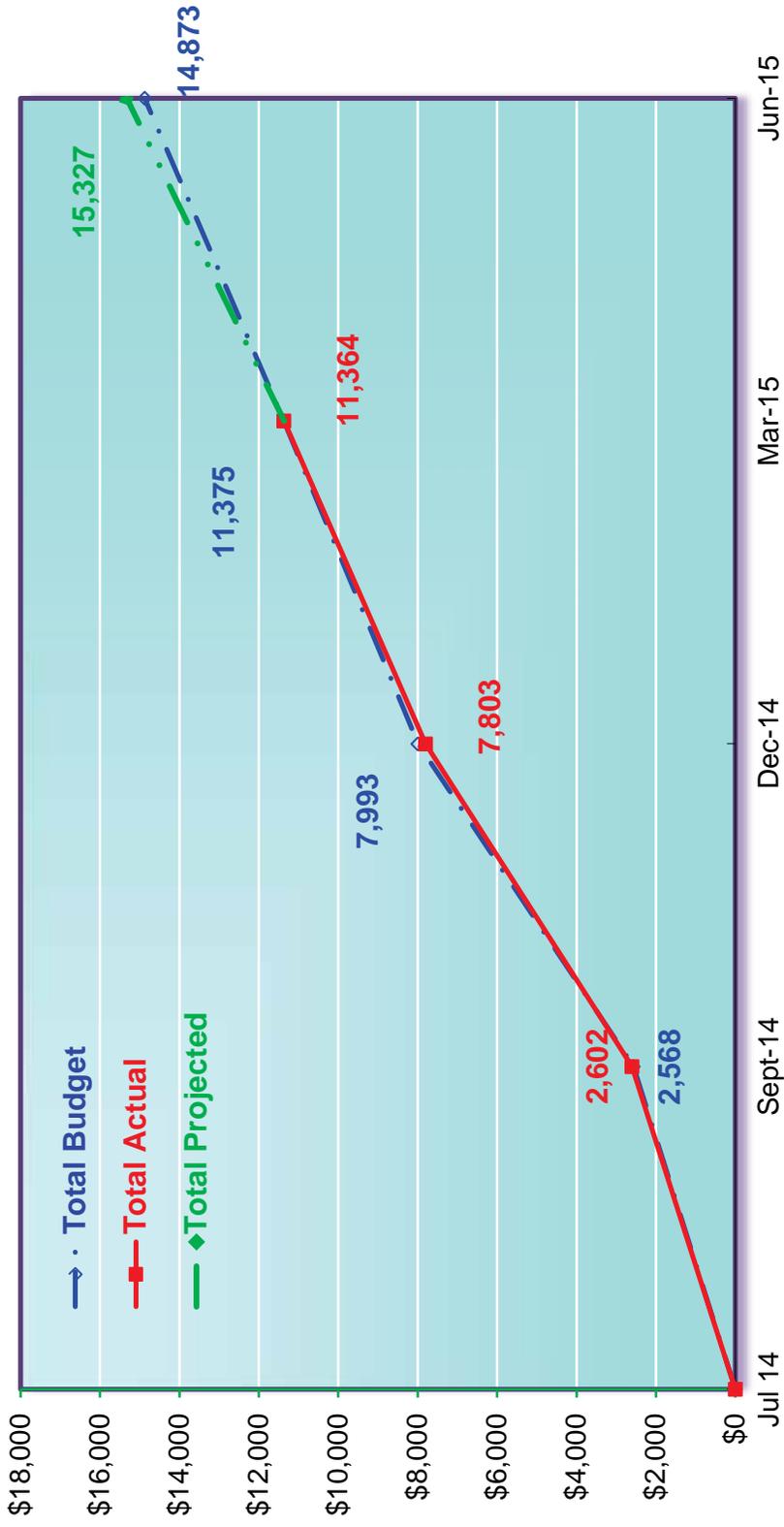
PRE/SEG:ks

Attachment: Budget Projection Graphs





# Total Cumulative





**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

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

David M. O'Hara  
*Attorney*

**DATE:** April 20, 2015

**MEMO TO:** Board of Directors - Union Sanitary District

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

**SUBJECT:** Agenda Item No. 11e – Meeting of April 27, 2015  
Information Item: **Status of Priority 1 CIP Projects**

### **Recommendation**

Information only

### **Background**

In June 2014, the Board approved the Capital Improvement Program budget for FY'15 in the amount of \$14.87 million for the design and construction of 21 projects.

These 21 projects are further ranked as Priority 1 and 2 projects based on a criteria prepared by staff and approved by the Executive Team. A copy of the criteria used to prioritize the projects is attached for your reference.

The status of the Priority 1 CIP projects is reviewed by the Executive Team at the end of each quarter and a copy of the status report is attached for the Board's review. For FY'15, nine (9) projects are ranked as Priority 1 projects and the remaining twelve (12) are ranked as Priority 2 projects.

Also attached is a tabular summary of the number and nature of the ongoing CIP projects at the District during FY'15.

PRE/SEG:ks

Attachments: Priority 1 CIP Project Criteria  
Priority 2 & 3 CIP Project Criteria  
Priority 1 CIP Projects Status Report  
Summary of CIP Projects for FY 15

## PRIORITY 1 CIP PROJECT CRITERIA

### Priority 1 Projects:

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

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

## PRIORITY 2 & 3 CIP PROJECT CRITERIA

### Priority 2 Projects

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

### Priority 3 Projects

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

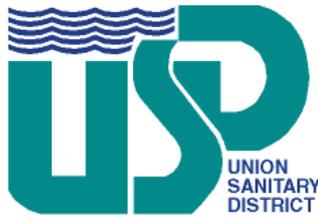
**Priority 1 Projects for FY 15 – Status Report**

	<b>Project</b>	<b>Planned Milestones</b>	<b>Status after 1<sup>st</sup> Quarter</b>	<b>Status after 2<sup>nd</sup> Quarter</b>	<b>Status after 3<sup>rd</sup> Quarter</b>	<b>Status after 4<sup>th</sup> Quarter</b>
<b>1</b>	Alvarado-Niles Blvd. Sewer Rehab	Complete design by May, open bids by June, 2015.	50% design due November 21, 2014.	90% design is due on February 6th.	100% design submittal received and review commenced.	
<b>2</b>	Jarvis Ave. Sewer Replacement	Complete construction by January, 2015.	Construction work is approximately 45% complete.	Board accepted project on November 24th.	Completed in 2 <sup>nd</sup> Quarter.	
<b>3</b>	Pine St. Easement	Complete preliminary design and begin environmental review process by June, 2015.	Design consultant is selected and negotiations underway for task order to evaluate pipe bridge alternatives.	Field surveying and geotech investigation to be completed in February.	Completed field surveying and geotech investigation. Bridge alternative Tech Memo due in April.	
<b>4</b>	Upper Hetch Hetchy Sewer Rehab	Complete construction by April, 2015.	Rehabilitation of 24 and 27-inch pipe in Fremont is complete. Construction work is approximately 65% complete.	Construction is approximately 90% complete.	Board accepted project on February 9 <sup>th</sup> .	
<b>5</b>	Fremont & Paseo Padre Lift Station Internal Lift Pumps	Complete condition assessment by October 2014, Complete design by June 2015	Condition assessment of pumps is complete. RFP to consultants for design services will be issued in October.	Preliminary design memo is due March 13th and 50% design is due on April 10th.	Preliminary design memo received and review commenced; comments due back to Consultant in April.	
<b>6</b>	Wet Weather Flow Management	Site Use Study: Presentation to USD Board by May, 2015 Complete draft report by June 2015.	Kickoff meeting was conducted on September 2 <sup>nd</sup> . Workshop No. 1 is scheduled for November 18 <sup>th</sup> .	Workshop No. 1 occurred on November 18. Draft report is due in February.	Workshop No. 2 held on January 6 <sup>th</sup> . Draft report was received in March.	

<b>7</b>	Cogeneration Project	Complete construction by December, 2014.	Commissioning of the engine generator system is complete. Operational testing of the engine generator and digester gas conditioning systems has begun. Construction work is approximately 94% complete.	Accepted engines and digester gas conditioning system on November 17th. Demolition and site work remain. Construction anticipated to be complete in February.	Issued Substantial Completion on March 4 <sup>th</sup> . Work on punch list items has begun and will continue into the 4 <sup>th</sup> quarter.	
<b>8</b>	Thickener Control Bldg. Modifications Project	Complete the construction of the Electrical Building (structure only) by June 2015.  Complete installation of major electrical work by August 2015.  Complete construction by November, 2016.	Excavation of the new TPS pipeline trench and electrical building foundation is complete. Construction work is approximately 5% complete.	Underground ductbanks installation continued. Demolition of an existing slab adjacent to the Heating and Mixing Building No. 1 has been slowed due to unforeseen underground utilities.	Completed installation of new TPS pipeline & major underground electrical ductbanks. New Electrical Bldg foundation and walls are complete. Roof will be installed in April. Commenced with electrical equipment installation in the new electrical room in Heating and Mixing Building No. 1	
<b>9</b>	Digester No. 5 Rehab	Complete construction by February 2015	Removal of sealant between the dome and concrete tank wall and preparation for steel dome supports has begun. Work is approximately 12% complete.	Discovered significant corrosion damage to the digester dome skirt that required repairs. Still on track for completion in February.	Issued Project Substantial Completion on February 27 <sup>th</sup> . Contractor began work on punch list items and will continue into the 4 <sup>th</sup> quarter.	

**SUMMARY OF CIP PROJECTS FOR FY'15**

<b>Type of Project</b>	<b>Number of Projects</b>	<b>Names of Projects</b>
<b>Collection System</b>	<b>Six</b>	<ol style="list-style-type: none"> <li>1. Alvarado-Nilles Blvd. Sewer Rehab</li> <li>2. Jarvis Ave. Sewer Relocation</li> <li>3. Newark Backyard Sewer Relocation</li> <li>4. Pine Street Easement Repair</li> <li>5. Upper Hetch Hetchy Sewer Rehab Project</li> <li>6. Veasy Street Sewer Improvements Project</li> </ol>
<b>Transport System</b>	<b>Five</b>	<ol style="list-style-type: none"> <li>1. Boyce Road Lift Station</li> <li>2. Cherry Street Pump Station Improvements</li> <li>3. Fremont &amp; PP LS Internal Lift Pumps</li> <li>4. Stevenson Property Backup Comm. Tower</li> <li>5. Wet Weather Flow Management</li> </ol>
<b>Treatment System</b>	<b>Ten</b>	<ol style="list-style-type: none"> <li>1. Aeration System Rehab</li> <li>2. Cogeneration Project</li> <li>3. Digester No. 5 Rehab</li> <li>4. Generator Controls Upgrade</li> <li>5. MCC Replacement Project, Phase III</li> <li>6. Plant Facilities Improvements Project</li> <li>7. 60" Primary Effluent Pipe Rehab</li> <li>8. Sludge Drying (BACWA Study)</li> <li>9. Thickener Control Bldg Improvements Project</li> <li>10. Water Storage Tank and Well</li> </ol>



## Summary of the EBDA Commission Meeting

Thursday, April 16, 2015 at 9:30 a.m.

Prepared by: P. Eldredge

- Commissioners Handley, Dias, Johnson, Peixoto and Prola were all present.
- The Consent Calendar was approved unanimously and included the Commission Meeting Minutes, the List of Disbursements, and the Treasurer's Report.
- The Commission unanimously approved the reports from the General Manger, Managers Advisory Committee, Financial Management, Regulatory Affairs, Operation & Maintenance, Personnel, and Ad-Hoc Committees. The following items were discussed:
  - **General Mangers Report** Commissioner Johnson will have Castro Valley Sanitary District's legal counsel provide an explanation of why their Board did not approve the changes to the JPA language and guidance on how to move forward with the JPA amendment process. The General Manager reviewed possible budget allocation alternatives considered by the MAC, such as use existing rate structure, equivalent cost per gallon flow (operations only or also capital budget), tiered flow rates, incorporating geographic coverage of each member agency to capital equipment replacement, and capital allocation to three funds (core transport system, force main, and pump stations). There are varied opinions on how to approach EBDA's future budget structure. The MAC also discussed options for the Hayward Pump Station relocation. Funding discussions should include a guarantee of long-term use of the Hayward Ponds. At the MAC's request, the General Manager will hire a consultant to estimate the costs and benefits of Hayward Effluent Pump Station relocation to Hayward, USD, and other EBDA members.
  - **Managers Advisory Committee (MAC)** The MAC discussed issues in the General Manager's report.
  - **Financial Management Committee** approved the March List of Disbursements and Treasurer's Report. The Committee discussed the CSRMA pooled liability program dividend received by EBDA. CSRMA has been cost-effective for EBDA in fulfilling insurance needs.
  - **Regulatory Affairs Committee** reviewed the status report (informational only, no action required) for the NPDES permit. The committee reviewed March permit compliance. The General Manager updated the Committee on the status of Argos' climate models on precipitation intensity (more droughts, however, more intense rainfall when it does occur) and sea level rise scenarios where the sea level rise estimates have been reduced from 55 inches to approximately 36 inches in 2100 (staff report attached). The Committee discussed how the climate models affect future infrastructure needs. Staff was asked to evaluate what affects the king tides may have on EBDA facilities, rather than an extensive evaluation of sea-level in 2100.
    - Commissioner Dias commented that EBDA should not spend a lot of time or money evaluating sea level rise as the threat may not be as severe as previously thought. More focus should be

placed on what affect “king tides” will have on EBDA facilities as that may be a more immediate threat.

- **O&M Committee** reviewed EBDA’s performance and the status of O&M projects. The O&M Manager reported that the AEPS Variable Frequency Drive submittal review will be completed by this summer. The MDF sodium bisulfite pump replacement is complete, and EBDA has realized a savings of ~\$60,000 this fiscal year.
- **Personnel Committee** The Personnel Committee conducted its annual review of the Personnel Policy. The policy was reviewed by legal counsel and it was determined that no updates were necessary at this time.
  - Commissioner Dias inquired about the definition of “normal cost” as it relates to PERS and would like this to be clarified, in the compensation plan, if possible.
- **Ad-Hoc Committee** The Ad Hoc Committee discussed the impact of member agency flows on EBDA’s rate structure (see attached). The Committee is looking forward to receiving Castro Valley Sanitary District’s preferences for updating the language of the JPA.
- **Closed Session** At 10:15 a.m., Chair Handley adjourned the meeting to closed session to discuss labor negotiations for the Operations & Maintenance Manager.
- **Reconvene to Open Session** Chair Handley reconvened the meeting at 10:40 a.m. with recommendations for Commissions approval of the resolution adopting the fiscal year 2015/2016 Compensation Plan. The Commission requested the following changes to the compensation plan: 1) the title of Deputy General Manager is amended to Superintendent of Operations & Maintenance; 2) employer-paid post-retirement medical is changed from \$447 to \$460; and 3) legal counsel will include PEMHCA minimum and normal costs in the Summary of Benefits.

The Commission unanimously passed the following resolutions:

Adopt the resolution approving the FY 2015/16 Compensation Plan reflecting the budget assumptions for FY 2015/16 presented to the Commission in February 2015. Commissioner Prola moved to approve the resolution, with noted changes listed above, adopting the fiscal year 2015/16 Compensation Plan. The motion was seconded by Commissioner Johnson and carried unanimously.

**ITEM NO. RA5 CLIMATE MODELS AND INFRASTRUCTURE NEEDS**

**Recommendation**

This staff summary updates the Commission on the status of climate models on precipitation intensity and sea level rise scenarios.

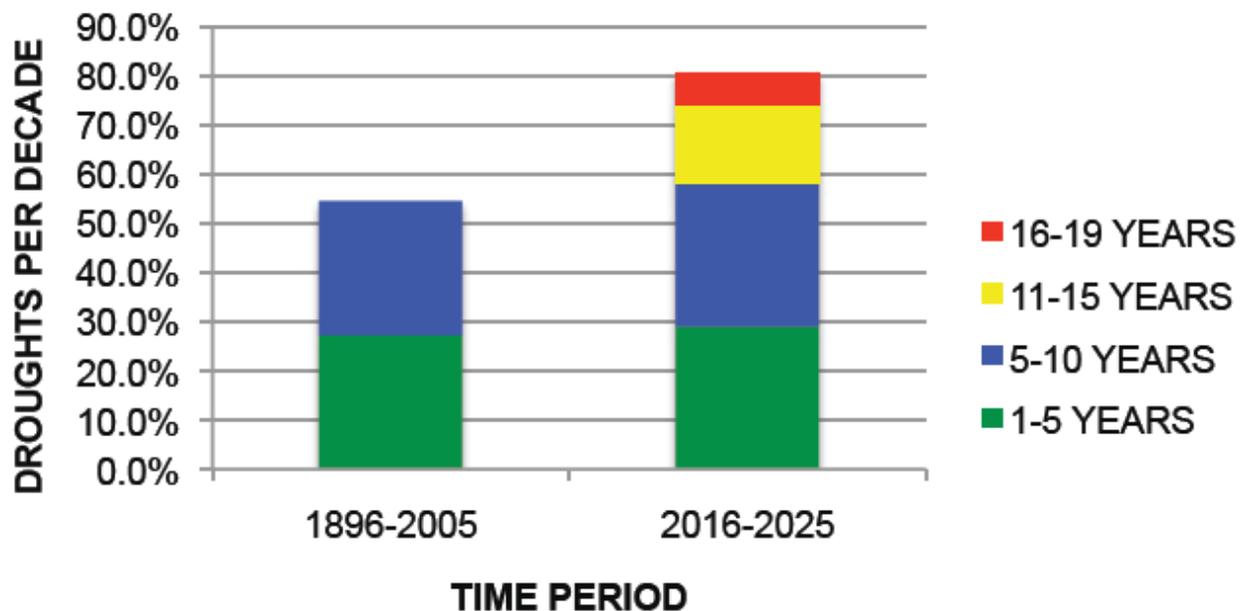
**Background**

The Commission has been considering how precipitation, storms and sea level will change over the coming decades to help EBDA agencies plan future infrastructure needs. While overall trends, especially on larger scales, are generally pretty clear, the details are highly uncertain. It is also easier to project with reasonable confidence how things like mean precipitation are likely to change in a given location, than it is the less frequent but more severe extremes that are critical to effective risk management.

The Bay Area Joint Policy Committee, a project of the regional government, ABAG, recently funded Argos to conduct a pilot project to evaluate the future likelihood of droughts and extreme precipitation events in Northern California. They concluded that the likelihood of drought is now significantly higher than during the 20th century and that there is a meaningful chance of droughts considerably longer than any in more than a century. Droughts result when the rate of water consumption exceeds the rate at which it is being added to the system for long enough to deplete the water stored in the system. In California, the storage includes the water content in the Sierra snowpack, as well as what is stored in the various reservoirs located throughout the state. Argos examined 62 decadal projections from 7 global climate models to identify periods of a year or more in length with a cumulative precipitation deficit relative to the long term mean greater than a threshold based on earlier droughts.

The stacked bar on the left shows the frequency of historical droughts and the one on the right the frequency of droughts identified in the ensemble of projections. Interestingly, the higher frequency of projected droughts is due mostly to longer droughts.

## DROUGHT DURATION



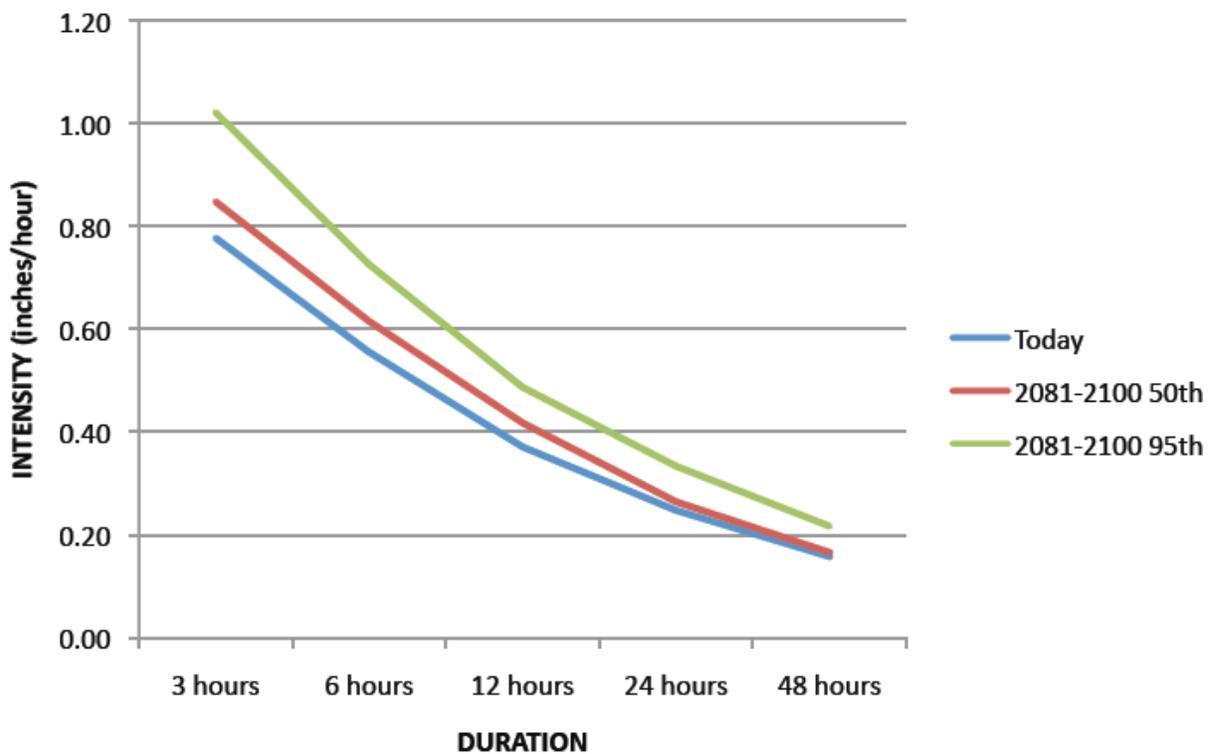
On the other end of the spectrum, intense rainfall creates its own set of hazards. Intensity-Duration-Frequency (IDF) curves are a tool widely used by hydrologists for applications ranging from sizing storm drains to estimating the risk of flooding in a watershed. The curves represent the frequency (represented by a return time) of a given level of rainfall intensity for a given duration. As the climate continues to warm, evaporation from the oceans is increasing, leading to larger amounts of moisture in the atmosphere, which in turn will result in more frequent and more intense extreme precipitation events. This is not accurately reflected in current IDF curves since they are based on historical rainfall data. Argos constructed distributions for the change in intensity for combinations of duration and return time by analyzing an ensemble of global climate model projections. This enables the generation of projected IDF curves for a given location at a specified point on the distributions for 2026-2045 and 2081-2100 for different greenhouse gas emissions scenarios.

The current 100 year IDF for the city of Oakland, California is compared to the 50<sup>th</sup> and 95<sup>th</sup> percentile projected curves for the end of the century assuming an emissions scenario of 3.7° C by 2100. The increase in intensity can readily be seen, especially for shorter durations.

Hydrologists are using downscaled climate projections to assess future changes in runoff and flows in watersheds, including the likelihood of droughts and flooding. In some cases, an average of several projections has been used in an attempt to represent the most likely outcome. The downside of this approach is that it tends to

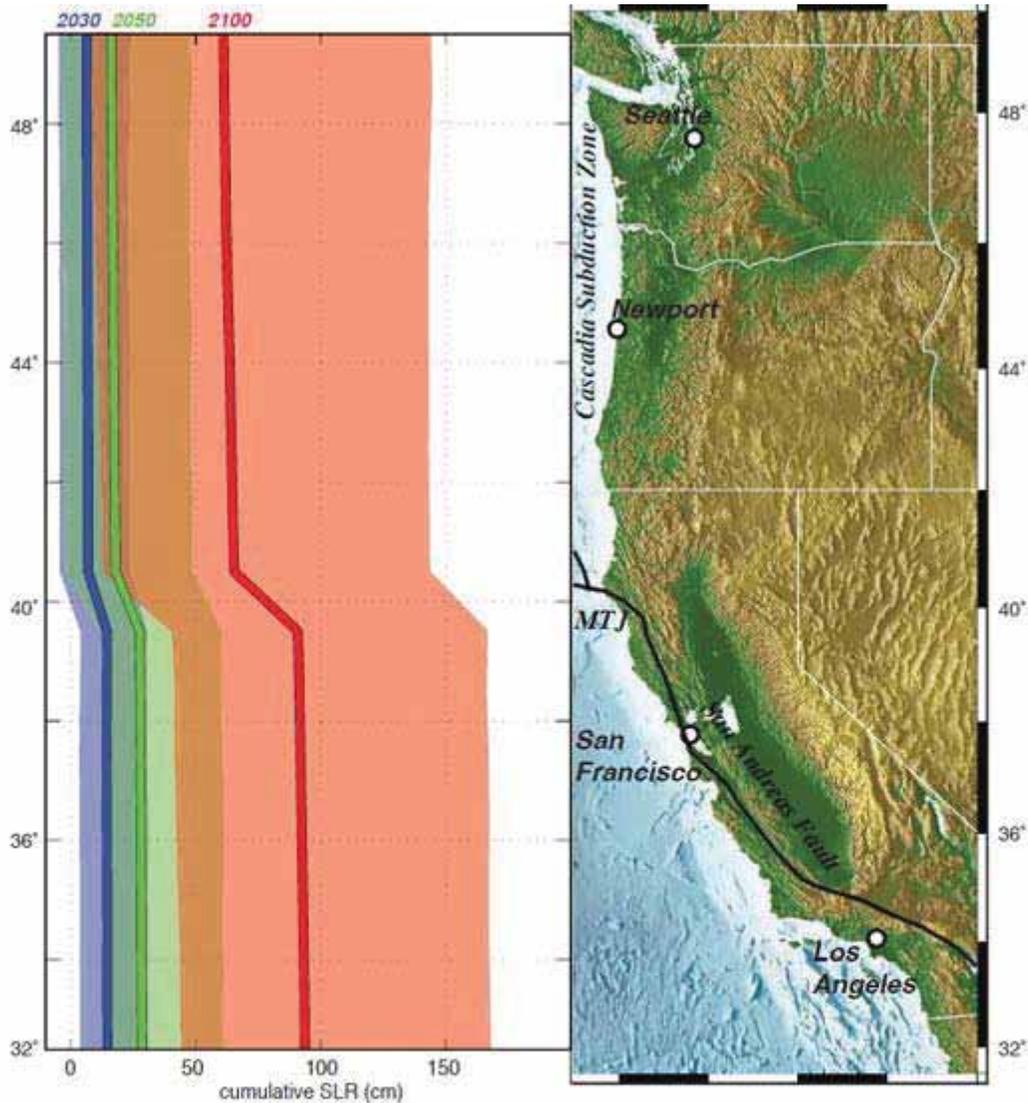
underestimate the risk of both droughts and flooding. A better approach is to characterize each projection being downscaled in terms of where it lies on a distribution constructed from the entire ensemble. Based on this, a suitably dry projection can be chosen as a basis for drought assessment and a suitably wet projection for flooding. The bottom line is that, while it is impossible to predict the future climate with any accuracy, it is possible to use the huge investment in climate modeling to get a clearer picture of the range of possible outcomes.

### OAKLAND 100 YEAR RETURN TIME RCP 8.5



To help state agencies incorporate future sea-level rise impacts into planning decisions, California's Ocean Protection Council (OPC) regularly updates its State of California Sea-Level Rise Guidance Document. The 2013 update included the best current science, as summarized in the recently published final report from the National Academy of Sciences, Sea-Level Rise for the Coasts of California, Oregon, and Washington (<http://www.nap.edu/catalog/13389/sea-level-rise-for-the-coasts-of-california-oregon-and-washington>). The report shows that rates of sea level rise are higher in southern California to Cape Mendocino, where there becomes net land uplift due to regional tectonics and glacial isostatic adjustment (see Figure 5.9 from the report). For San Francisco, the amount of sea level rise compared to 2000 is 28 cm (+/-

9 cm) in 2050 and 92 cm (+/- 25 cm) in 2100. While these estimates include glacial melting in Greenland and Antarctica, those rates are the most uncertain. Overall, these predictions for 2100 are significantly less than the previous 55-inch (140 cm) estimate.

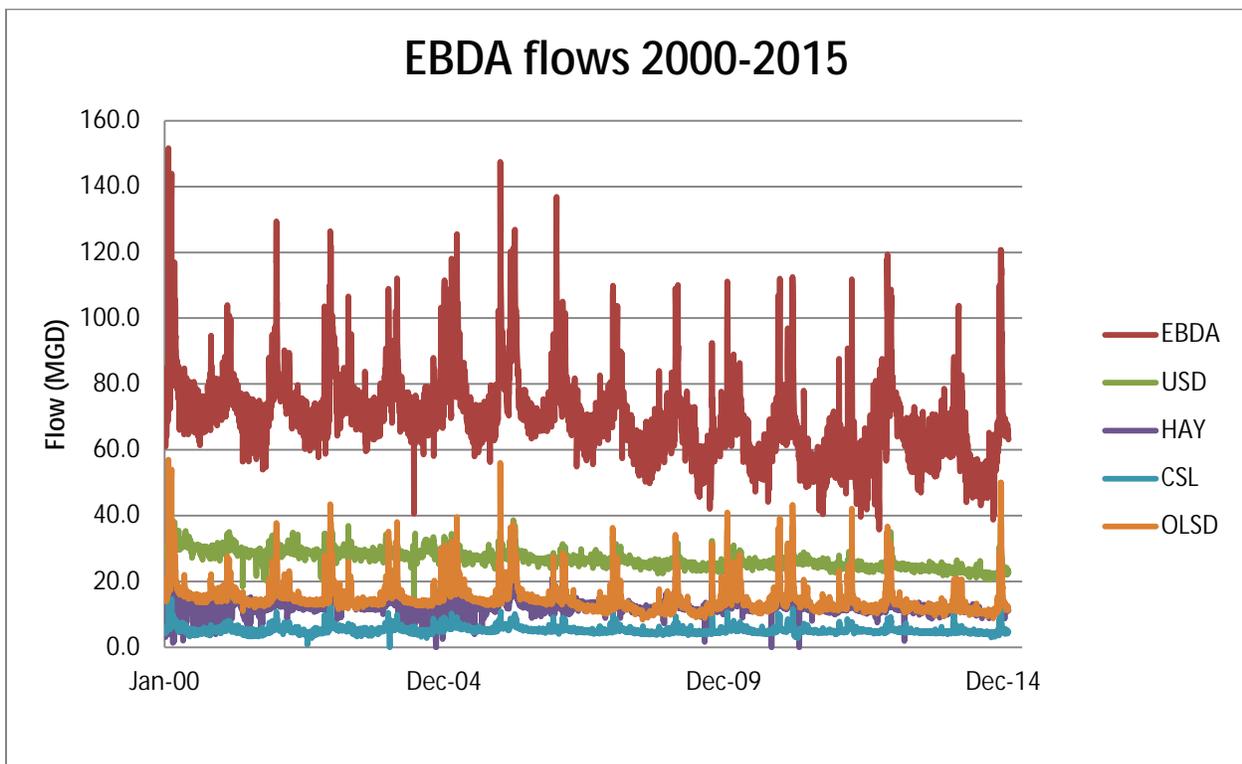


**FIGURE 5.9** Projected sea-level rise off California, Oregon, and Washington for 2030 (blue), 2050 (green), and 2100 (pink), relative to 2000, as a function of latitude. Solid lines are the projections and shaded areas are the ranges. Ranges overlap, as indicated by the brown shading (low end of 2100 range and high end of 2050 range) and blue-green shading (low end of 2050 range and high end of 2030 range). MTJ = Mendocino Triple Junction, where the San Andreas Fault meets the Cascadia Subduction Zone.

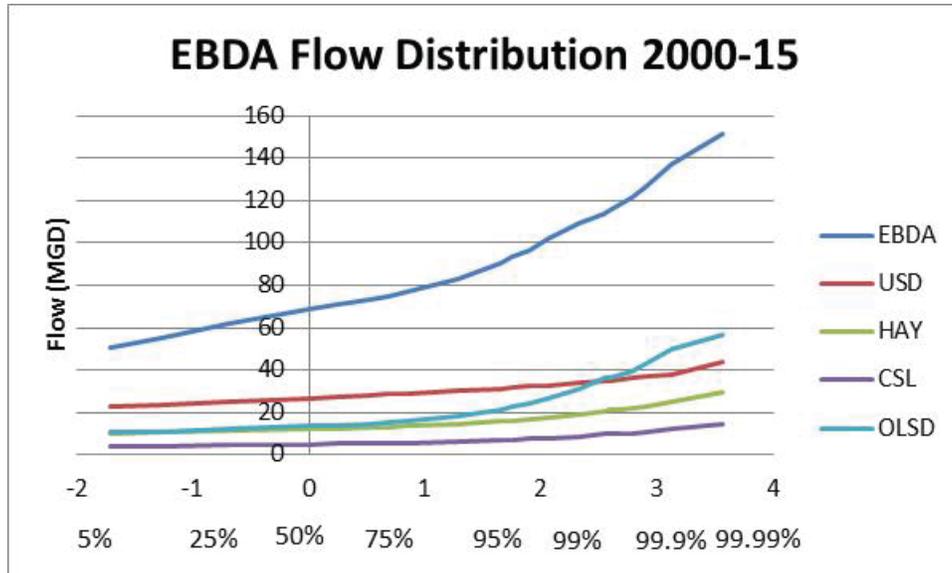
**STAFF REPORT**

**EBDA MEMBER AGENCY FLOWS**

EBDA's rate structure was developed with the five member agencies – City of Hayward, City of San Leandro, Oro Loma Sanitary District, Union Sanitary District, and Castro Valley Sanitary District – allocating fixed and variable costs between their annual flows and purchasing a share of EBDA's maximum flows. From EBDA's NPDES database, it is possible to look at the distribution of daily flows among the agencies for the last 15 years, January 2000 through January 2015, which show a regular annual trend as driven by large rainstorms.



It is also possible to evaluate these average daily flow data over the 15-year span as a probability plot, which demonstrates the relative rarity of these high flow events.



**Percentage Composition of EBDA Flows During Wettest Days Compared to Fixed Rate and Fixed Rate modified for LAVWMA contribution.**

	%USD	%HAY	%CSL	%OLSD
<b>Top 0.02%</b>	<b>29.1%</b>	<b>19.6%</b>	<b>9.7%</b>	<b>37.6%</b>
<b>Top 0.1%</b>	<b>27.8%</b>	<b>18.4%</b>	<b>8.9%</b>	<b>36.6%</b>
<b>Top 1%</b>	<b>31.1%</b>	<b>17.5%</b>	<b>8.1%</b>	<b>28.9%</b>
<b>Top 2%</b>	<b>32.5%</b>	<b>17.3%</b>	<b>7.9%</b>	<b>26.5%</b>
<b>Top 10%</b>	<b>36.4%</b>	<b>17.6%</b>	<b>7.8%</b>	<b>21.8%</b>
<b>Median</b>	<b>38.9%</b>	<b>17.9%</b>	<b>7.4%</b>	<b>20.0%</b>
<b>Fixed Rate</b>	<b>25.3%</b>	<b>20.7%</b>	<b>13.2%</b>	<b>40.8%</b>
<b>Fixed Rate w/ LAVWMA</b>	<b>21.6%</b>	<b>17.6%</b>	<b>11.2%</b>	<b>34.8%</b>

These flows are characterized in EBDA's budget which is presented below for allocation by the following categories with the percentage contribution to the different member agencies. The major drivers to the budget are fixed rate (39%) – allocated by capacity ownership, variable rate (36%) – allocated by total flows, and NPDES fees (12%) allocated by permitted average dry day flows. The capital budget is entirely based on capacity ownership.

These budget allocation categories were developed in the initial JPA agreement, but have been modified by specific Board resolutions to more directly allocate costs to the cost drivers (e.g. RMP rate based on metals loadings and permit fees based on NPDES permitted flows). It would be possible to further revise these operating and capital allocations based on:

- Total flows
- Permitted flows
- Flows tiered to average and a few specific high rates (e.g. MDF totals at 120/150 MGD)
- Geographic coverage of different parts of the EBDA system (e.g. pump stations and force main)

While it would be possible to have a consultant allocate EBDA's operating and capital budget into these various categories, the uncertainty around these allocations might be more easily captured in a simple staff summary of possible allocations and consideration of those alternatives by the MAC to develop a recommendation for the Commission.

% EBDA-O&M	Member Agency Allocation Percentage					
	C.S.L.	O.L.S.D.	C.V.S.D.	Hayward	U.S.D.	LAVWMA
39% O&M Fix Rate	13.20%	26.50%	14.30%	20.70%	25.30%	17.34%
36% O&M Var Rate	9.1%	17.4%	6.6%	21.6%	45.3%	20.3%
<b>Special Projects</b>						
12% NPDES Permit	9.61%	16.43%	8.85%	23.39%	41.72%	26.62%
5% NPDES Rate	13%	18%	6%	30%	33%	17.34%
5% RMP Rate	9.53%	11.65%	6.27%	32.17%	40.37%	18.36%
0.4%WERF Rate	9.1%	17.4%	6.6%	21.6%	45.3%	0
5%Spec Proj Rate	13%	18%	6%	30%	33%	15.97%
2%Direct Lab Cost						
2% Recycled Water						

Agenda Explanation  
East Bay Dischargers Authority  
Commission Agenda  
April 16, 2015

PROGRAM	Total Salary	Benefits	Comin. Comp	Insur.	Mbbps. Suba	Supp. Fixed	Supp. Varbl	Confr. Svcs	Prof Svcs	Print	Rents Fees	NPDES Fines	Maint & Repair		Totl. Trav.	Utili		BUDGET FY14/15	
													402x	4030		4070	4080		4100
General Administration	377440	214000	40000	15000	14000	5000	0	10000	175000	1500	27000	0	0	20000	17000	11000	4191	2000	928940
Outfall & Force Mains Station	3278	0	0	0	0	0	0	0	10000	0	0	0	140000	0	0	0	0	0	153278
San Leandro Pump Station	3278	0	0	0	0	0	0	5000	10000	0	1000	0	45000	0	0	0	30000	0	94278
Marina Dischlor Facility	9835	0	0	6500	0	300	250000	5000	30000	0	0	0	140000	0	1500	55000	0	498135	
Oro Loma Pump Station	9835	0	0	23000	0	0	10000	10000	15000	0	4000	0	167000	0	0	200000	0	438835	
Hayward Pump Station	3278	0	0	0	0	0	0	0	10000	0	0	0	48000	0	0	48000	0	109278	
Alvarado Pump Station	3278	0	0	8000	0	0	0	0	10000	0	1000	0	74000	0	0	150000	0	246278	
Bay & Effluent Monitoring	1311	0	0	0	92000	0	0	10000	220000	0	0	10000	0	91000	0	0	0	424311	
TOTAL FUND # 12	411534	214000	40000	52500	10600	5300	260000	40000	480000	1500	33000	10000	634000	91000	17000	12500	483000	2000	2893334
NPDES Permit Fees	0	0	0	0	0	0	0	0	0	0	0	450000	0	0	0	0	0	0	450000
NPDES Permit Issues	0	0	0	0	0	0	0	5000	5000	0	0	0	0	0	0	0	0	0	10000
RM P	0	0	0	0	0	0	0	0	0	0	2500000	0	0	0	0	0	0	0	2500000
WERF	0	0	0	0	14000	0	0	0	0	0	0	0	0	0	0	0	0	0	14000
Outfall Pipe Inspection	0	0	0	0	0	0	0	0	75000	0	0	0	0	0	0	0	0	0	75000
Traps System Eval	0	0	0	0	0	0	0	50000	50000	0	0	0	0	0	0	0	0	0	50000
Hay Pump/Ponds	0	0	0	0	0	0	0	1000	15000	0	0	0	0	0	0	0	0	0	50000
NPDES Testing - CSL	0	0	0	0	0	0	0	1000	19000	0	0	0	0	0	0	0	0	0	16000
NPDES Testing - OLSO	0	0	0	0	0	0	0	1000	10000	0	0	0	0	0	0	0	0	0	20000
NPDES Testing - HAY	0	0	0	0	0	0	0	1000	21000	0	0	0	0	0	0	0	0	0	22000
NPDES Testing - USD	0	0	0	0	0	0	0	1000	25000	0	0	0	0	0	0	0	0	0	26000
TOTAL FUND # 13	0	0	0	0	14000	0	0	9000	260000	0	700000	0	0	0	0	0	0	0	983000
Skywest Golf Course	0	0	0	0	0	0	0	0	16500	0	0	0	70000	0	3500	0	0	0	90000
TOTAL FUND # 14	0	0	0	0	0	0	0	0	16500	0	0	0	70000	0	3500	483000	2000	90000	
TOTAL	411534	214000	40000	52500	12000	5300	260000	49000	756500	1500	733000	10000	704000	91000	17000	16000	0	0	4366334



**Directors**  
Manny Fernandez  
Tom Handley  
Pat Kite  
Anjali Lathi  
Jennifer Toy

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

David M. O'Hara  
*Attorney*

**DATE:** April 21, 2015

**MEMO TO:** Board of Directors - Union Sanitary District

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

**SUBJECT:** Agenda Item No. 11g - Meeting of April 27, 2015  
Information Item: **Discuss Topics for the General Manager Check-in Workshop Scheduled for April 30, 2015**

### **Recommendation**

None. Information only.

### **Background**

Per the direction of the December 15, 2014 Board mini-retreat, a Board of Directors check-in with the General Manager has been scheduled for Thursday, April 30, 2015, at USD Offices at 6:30 p.m. The retreat will be conducted in workshop format and will be an open session. Staff has identified the following potential topics for discussion:

- Compensation Plan
- Collection Services 3<sup>rd</sup> Coach Update
- Goals for FY 2016
- Schedule and Process for Annual Performance Evaluation

Staff requests the Board identify any additional topics of interest to be included in the check-in. Staff will then develop a formal agenda.

# S.F. plan would make some buildings use gray water

## Recycling: S.F. plan would make some buildings use gray water

By Emily Green

Save the drinking water for drinking and not for flushing.

That's the goal of new legislation that would require many large new buildings in San Francisco to use gray water — wastewater from baths, sinks and other kitchen appliances — for toilet flushing and in their irrigation systems.

"We need to be acting like we are in a crisis, because we are," said Supervisor Scott Wiener, who is introducing the legislation at Tuesday's Board of

Supervisors meeting. "We have a huge opportunity in California to reduce water use by aggressively moving toward water recycling."

The legislation is a first in the country, Wiener and other conservation advocates believe, saying they know of no other city that requires private developments to use gray water. Because the San Francisco Public Utilities Commission sells only drinking water, it would fall to developers to create piping systems to cap-

*Recycling continues on A7*



Brant Ward / The Chronicle

**A spigot in a control room at the S.F. Public Utilities Commission building is used to test treated wastewater.**

### Recycling from page A1

ture and clean the recycled water.

Already, the proposal has drawn criticism from some developers, who say it would add millions of dollars in costs to construction projects when less cumbersome measures are equally, if not more effective.

"Good God," micro-unit developer Patrick Kennedy said. "Everyone's talking about bringing down the cost of housing, and that's a big expense for something that might be achieved through a more benign way, like lower-flow toilets."

According to the city's Planning Department, there are roughly 25 new development projects in the permitting process that would be immediately affected by Wiener's legislation.

### 'Purple-pipe' district

The legislation would apply to yet-to-be constructed buildings that are 250,000 square feet and larger and in the city's "purple-pipe" district. That's land on the east and west slivers of the city and includes the development-rich South of Market area, where new buildings are going up at breakneck speed.

Buildings there have been required since 1991 to have a second plumbing system — purple pipes — that theoretically transport nondrinking water

into the facilities. The idea was to create infrastructure so those buildings could purchase recycled water from the city, but San Francisco hasn't developed a large-scale system for producing recycled water.

Wiener's legislation would shift the burden from the city to the building owners to capture recycled water and use it for irrigation and toilet flushing. Buildings in the purple-pipe zone already have one-half of the infrastructure needed to use gray water. The missing component is outgoing pipes to drain extra water to be used elsewhere.

"If this legislation is done right, it has the potential to save millions and millions of gallons of water on a daily basis," said Mark Meredith, who manages water recycling projects for Aquacell, a Sydney company that builds waste water recycling systems.

### Complex technology

"It's not likely to be cheap," said Tim Colen, executive director of the San Francisco Housing Action Coalition. "This is complex technology that takes water, treats it and pumps it out to a user."

Michael Yarne, a San Francisco residential multifamily developer, supports the idea — in principle.

"The idea that in this age we are still using Hetch Hetchy

water to flush toilets or irrigate landscaping is absurd," Yarne said. "The challenge is how do you bridge over to such a system that allows the development community to afford those costs."

The systems can pay for themselves over time because recycled water is theoretically

cheaper than drinking water. And many expect the price of drinking water to rise after Gov. Jerry Brown's mandate that the state reduce its water consumption by 25 percent.

One of the challenges, however, is that developers often sell their buildings before they see

the savings. That means the people and companies buying the property would have to be willing to absorb the up-front costs with the expectation that they would save money over time.

"There is theoretically significant savings in the long term from using recycled water and irrigation," Yarne said.

### Taking action

Like some developers, he is already moving forward with his own water-conservation plan. Yarne said he is looking at using a gray-water-treatment system for a 900-residential-unit development he is spearheading in India Basin.

The San Francisco PUC gives grants up to \$250,000 for single-building non-potable water reuse projects, and up to \$500,000 for two or more buildings sharing a reuse project. It's unknown what will happen to those grants if buildings are required to maintain recyclable water systems.

The legislation also sets city policy that all public spaces be cleaned and irrigated with nondrinking water within the next five years, and asks the PUC to research the costs of retrofitting existing buildings for on-site reuse systems.

*Emily Green is a San Francisco Chronicle staff writer. E-mail: [egreen@sfchronicle.com](mailto:egreen@sfchronicle.com) Twitter: @emilytgreen*

## San Francisco's 'purple-pipe' areas

Buildings in these zones are already required to have a secondary plumbing system to transport nondrinking water into the facility. Proposed legislation would require future buildings of 250,000 square feet or larger in these zones to use gray water for toilet flushing and in irrigation systems.



## Conservation: East Bay district endured major cuts last year

By John Wildermuth

When Gov. Jerry Brown ordered the first-ever statewide water cuts last week, there was consternation across California, with folks everywhere wondering how they could ever chop their water use by 25 percent.

But Brown's executive order is no big deal to cities in Alameda County's Tri-Valley area, where that fight went down a year ago.

"We're already there," said Sue Stephenson, community affairs supervisor for the Dub-

### RUNNING DRY

Throughout 2015, The Chronicle will report stories about water growing scarce in California. Find more coverage at [www.sfgate.com/drought](http://www.sfgate.com/drought).

lin San Ramon Services District, which provides water to about 159,000 customers.

It wasn't by choice. Dublin, Pleasanton, Livermore and parts of San Ramon typically get 80 percent of their drinking

*Conservation continues on A7*

# East Bay district already has taken steps to cut use

water from the Sacramento-San Joaquin River Delta through the State Water Project. But early last year, the cities learned they would get only 5 percent of their annual allocation, and that wouldn't arrive until September.

"We knew right away that we had to conserve big-time," Stephenson said.

#### Groundwater avoided

It wasn't that water wasn't available — there is an estimated two-year supply in the underground aquifer the area also draws from. But along with long-term worries about pulling out water that's not being replaced during the drought, there were plenty of technical concerns with relying entirely on that underground resource.

"There's water in the ground, but we can't get it out fast enough to serve all our needs," said Darren Greenwood, Livermore's public works director.

"We had to warn people that we might have to turn off their water to save it for firefighting.

"That got people's attention."

But telling water users they have to change their habits dramatically isn't enough, especially in a suburban area where many of the homes are on large lots with plenty of water-hungry grass and landscaping.

"We had to educate the city about how to cut back," said Nelson Fialho, Pleasanton's city manager. "We offered custom-

ized advice — visiting homes and even modifying irrigation systems."

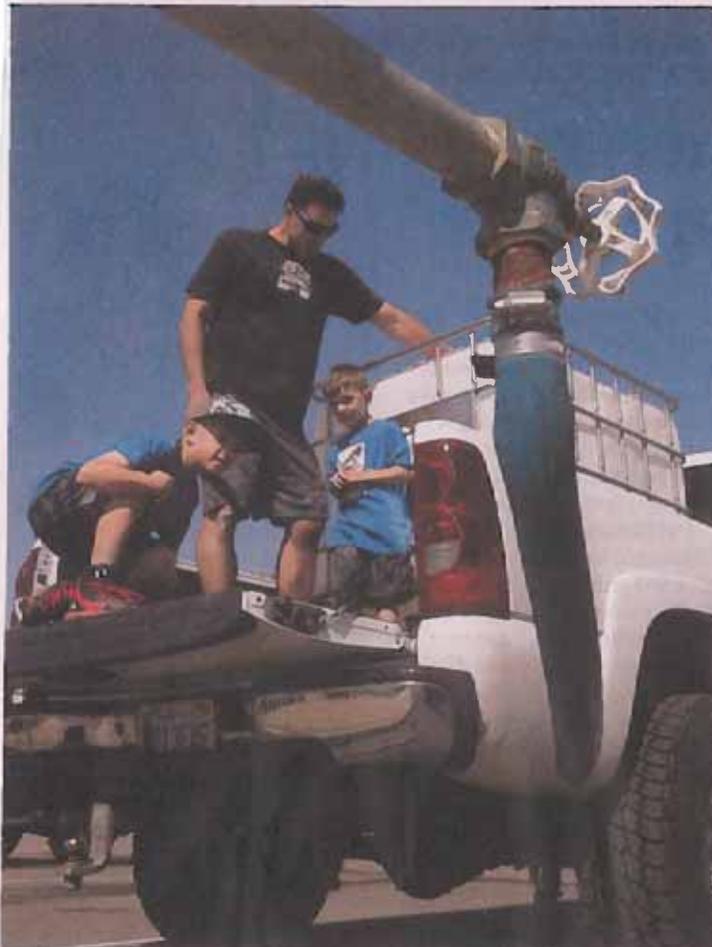
Each community gets its state allotment through the regional Zone 7 water agency, but each runs its own water department, with individual rules and pricing. They quickly realized, however, that they needed to work together to deal with the drought emergency.

The communities, along with the California Water Service Co., which serves part of Livermore, joined in a conservation advertising blitz, putting out the message: "We Are in This Together."

The first and most important target was outdoor water use, which makes up 60 percent of the bill for most homeowners. New swimming pools couldn't be filled, daytime watering was limited, hosing off sidewalks and using non-recycling fountains was banned, and watering lawns and gardens was limited to once a week during the spring and twice a week during the summer, and barred entirely in winter.

The use of recycled water soared. The Dublin water district got state permission to provide the non-potable water, already used on golf courses, road medians and public land, to individuals willing to haul it to their homes and gardens.

"We started out with three garden-hose-like outlets," Stephenson said. "We increased that to eight and are adding eight more" at the agency's wastewater treatment plant in



Michael Macor / The Chronicle

**Brent Whalley gets help from sons Gavin (left), 7, and Chase, 4, as they fill their container with recycled water at the Dublin San Ramon Services District recycled water plant in Pleasanton.**

Pleasanton.

Despite the hassles of hauling water, which weighs almost 8½ pounds per gallon, residents collected more than 2 million gallons of recycled water from the agency, filling cans, jugs and barrels for their own use, Stephenson said.

### Cities cut back

It wasn't just homes and gardens that suffered from the drought. Cities themselves are often the largest local water users, so conservation had to begin there.

"We had to lead by example, with city facilities," said Pleasanton's Fialho. "For us, 25 percent wasn't the goal, it was the standard."

The city cut back watering at the parks, trucked in recycled water to the golf course and trimmed the number of team practices, games and tournaments it allowed on Pleasanton's city fields.

It wasn't easy, Fialho admitted.

"In surveys of city residents, they all say they really like the way the city looks," Fialho said. "The thought of browning parks intentionally made stomachs turn."

While area water managers were amazed by how well people cooperated to make the required reductions, they also provided a stick in the form of higher water rates or drought surcharges. Customers who

didn't cut their water use not only paid rates that could be three times as much as those paid by the bottom tier of users, but also faced fines as high as \$1,000 or, at worst, having their water use restricted.

In most cases, the threat alone was enough.

"I'm not sure we ever fined anyone," Fialho said.

For Tri-Valley residents, making the 25 percent cut has sometimes been a struggle.

"My baby needs a bath every day," said Norma Curiel of Dublin, who was at the sprawling Dublin Sports Grounds with her three children. "We explain to the kids that they need to save water, but they're kids."

### Residents' sacrifices

Jodie Tey of Livermore has met the 25 percent goal, but it's required some changes.

"We're not planting the garden or watering the lawn, we're limiting showers and not letting the water run," she said. "It wasn't hard, but conservation is always at the top of my mind, something you do every day. You have to ask, 'Am I going to turn my faucet on now or later?'"

But the conservation push worked and the water agencies met their goals. Pleasanton, for example, saw its 2014 water use drop by better than 27 percent from the previous year.

"Considering we started the conservation effort in April, that's huge," Fialho said.

"We now have to stay the course, and that's the hard thing," said Stephenson of the Dublin agency. "With the drought, people may not like it, but they've got to do what they've got to do."

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**A State of Drought** *An occasional series that looks at how the drought is changing California*



PATRICK TEHAN/STAFF PHOTOS

**Last resort:** Bob Roebuck, project manager for Santa Barbara's public works department, tours the water desalination plant in Santa Barbara. In light of the state's drought, the city is preparing to restart the long shuttered facility to help meet water needs.

# DESALINATION GETS ANOTHER CHANCE

Santa Barbara is set to reboot its plant, as other cities look at building their own facilities

By Paul Rogers

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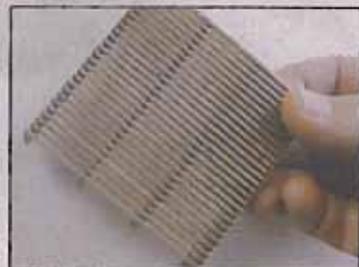
**SANTA BARBARA** — A mothballed desalination plant sits like a time capsule near Santa Barbara's main tourist beach, a relic of California's last drought to end all droughts.

With its control room filled with dot-matrix printers, floppy disks and obsolete computers, the padlocked Charles E. Meyer Desalination Facility represents this quintessential California coastal city's once-fleeting hope of quenching its thirst by tapping the ocean.

See **PLANT**, Page 10



**Old tech:** A diskette sits in a vintage computer at the desalination plant. Modernizing the facility could cost about \$40 million.



**Environmental upgrade:** To keep from sucking up sea life, fine-mesh screens, above, will replace large-mesh screens on intake pipes.

**How it works:** Graphic explains desalination process. **PAGE A10**



**More online:** Stories at [www.cadrought.com](http://www.cadrought.com). Photos at <http://photos.mercurynews.com>.

# From saltwater to tap water

A look at how desalination plants convert saltwater to drinkable fresh water.



Sources: Bay Area Regional Desalination Project, Tribune News Service

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**Evidence of disuse:** Cobwebs cling to a control panel at the water desalination plant in Santa Barbara. The city will soon vote on a plan to restart the plant as California suffers through its fourth year of drought.

PATRICK TEHAN/STAFF

Now, 23 years after it closed, with the state entering the fourth year of its worst drought on record, Santa Barbara is preparing to reopen the plant, rekindling a debate that is spreading to communities up and down the coast: Is the state's water shortage now so dire that Californians should embrace desalination — with its high economic costs and environmental risks — as a critical element of a pricier water future?

The dilemma is the focus of the latest installment of this newspaper's ongoing series "A State of Drought."

"Desal is the last resort — and we are at the last resort," said Bob Roebuck, Santa Barbara's project manager for the plan. "Our reservoirs are going dry. Our wells are dropping. This is

By early June, the Santa Barbara City Council is expected to vote to spend roughly \$40 million to modernize and restart the desalination facility, located in an industrial area between Highway 101 and Santa Barbara's landmark Stearns Wharf.

The plant cost \$34 million to build during California's last major drought in the late 1980s and early 1990s. But shortly after it opened in 1992, drenching rains returned. And because the water was so expensive to produce, the city shut down the plant three months later and sold its filters to Saudi Arabia. It has sat, closed, ever since.

## Plea unheeded

In recent months, environmental groups unsuccessfully tried to convince the California Coastal Commission and other agencies to force the city to bury the pipe that draws water from the ocean to the plant, to avoid sucking in fish larvae, plankton and other species at the base of the food chain.

"Good decisions are not made when people are in panic mode," said Susan Jordan, executive director of the California Coastal Protection Network in Santa Barbara. "You don't want to wake up in 30 years and realize you've devastated your ocean economy."

"But with the drought, it is a freight train. People aren't always listening to logic."

City leaders say the costs of burying the pipe are too high and that new screens with tiny mesh on the pipe will limit any environmental harm. The town is facing an emergency, they say: Even though residents last year cut their water use 22 percent, Santa Barbara's two reservoirs are less than 30 percent full. And the area's limited groundwater is dropping fast.

There has been some public debate in Santa Barbara over reopening the plant, but far from a raging controversy. City meetings on the topic have been modestly attended. Voters approved building the plant a generation ago, and many seem resigned during today's historic drought to opening it again.

"I think it's a good idea to have for backup purposes," said Roger Nance, owner of the Beach House surf shop on State Street. "It's going to cost us a lot of money. But I've lived here since 1969 — and I've never seen it this dry."

Santa Barbara is not alone. After years of fits and starts, California is finally moving ahead with several major desalination projects during its historic drought — a sign that some coastal communities with few other options are willing to pay more for a reliable water supply.

A \$1 billion plant in Carlsbad, north of San Diego, is set to open this fall. It will be the largest in North America and will supply 50 million gallons a day — 7 percent of San Diego County's water supply.

The town of Cambria, 10 miles south of Hearst Castle on the San Luis Obispo County coast, began operating a small emergency \$9.5 million desalination plant in November to keep it from running out of water. And officials in Monterey County this year drilled a 250-foot-deep test well at a remote beach in Marina as part of a plan to build a \$320 million desalination plant to serve 100,000 residents of Monterey, Carmel and other surrounding towns by 2019.

The project still needs final approval from the state Coastal Commission and other agencies. It is proposed to replace water that state regulators ruled 20 years ago the Monterey Peninsula's water supplier, California American Water, has been taking from

the Carmel River without proper rights.

"The additional gains we can achieve from conservation are limited," said Catherine Stedman, a Cal-Am spokeswoman. "It made sense to turn to desal after the other options had been exhausted."

Several cities have studied desalination and rejected it. Santa Clara County Supervisor Dave Cortese this week again raised a long-considered \$200 million plan to build a desal plant in San Francisco Bay near Pittsburg. The proposal was shelved last year when the region's four largest water districts decided they could obtain water more cheaply through expanding water recycling, conservation programs and other means. Santa Cruz city officials in 2013 halted plans for a desal plant after environmental activists raised concerns and voters passed a measure requiring a vote of the people to approve any plant.

### Salty safety net

The Pacific Ocean is California's safety net. Even if the current drought lasts 10, 20 or even 100 years — as some did centuries ago

— the state's major cities would never run out of water because fleets of desalination plants could be built along the coast. A majority of California residents live within an hour's drive from the ocean.

Israel currently produces half its water from ocean desalination. And other arid nations, such as Saudi Arabia, also rely on the sea for billions of gallons a year.

But they have few other options. And the costs dwarf every other way to produce water.

Huge amounts of energy are required to pump seawater at high pressure night and day through extremely fine reverse osmosis filters and membranes. Typically, desalinated water costs at least \$2,000 an acre foot — roughly the amount a California family of five uses in a year.

That cost is about double that of water obtained from building a new reservoir or recycling wastewater, according to a 2013 study from the state Department of Water Resources. And its price tag is at least four times the cost of obtaining "new water" from conservation methods such as paying farmers to install

drip irrigation, or providing rebates for homeowners to rip out lawns or buy water-efficient toilets.

"If you have other options, why would you go buy the most expensive water first?" said Newsha Ajami, a civil engineer at Stanford University.

Ajami, director of urban water policy at Stanford's Water in the West program, said communities should first max out conservation, then expand recycled water and stormwater capture, going only to desalination as a last resort.

Once the cost of modernizing the Santa Barbara plant is taken into account, the water will cost roughly \$3,000 an acre foot, boosting the average homeowner's water bill from \$80 a month to about \$108, said Joshua Haggmark, the city's water director.

"It's expensive, but it's still less than a penny a gallon," he said. "The cost to a single-family home will still be less than a cellphone bill. Without eliminating all outdoor water usage and killing all landscaping in town, desal has to have a role."

### Expanding use

By fall 2016, the plant will provide 3,125 acre feet a year, about a third of the city's needs. And the plant can be expanded to 10,000 acre feet a year, meeting 90 percent of Santa Barbara's water needs.

Environmentalists are hoping the State Water Resources Control Board will adopt new rules next month to require future ocean desalination plants to bury their intake lines where feasible.

Desalination will never be a viable option for farming or for major inland cities because the cost to produce the water and move it miles — including over mountain ranges — is simply higher than other ways to produce water, such as recycling wastewater or building new reservoirs, said Tim Quinn, executive director of the Association of California Water Agencies.

But in some coastal areas, particularly towns without significant groundwater or connections to other, larger water systems, it's becoming more realistic.

"It's a trend," he said. "It probably will never rise to be a double-digit percentage of California's water supply. It is controversial and expensive. But it will make sense in some coastal communities. If you've got nothing else, the economics are attractive."

Conservation efforts falling short

# Water order has teeth

State sets goals for communities, with stiff penalties for missing targets

By Paul Rogers

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As the state's drought worsens, Californians are going backward on water conservation, and on Tuesday state water officials provided the first look at just how much each community will be required to save.

While those that use the least water per capita — such as Santa Cruz, Hay-

ward and Daly City — will have to cut water use by 10 percent, communities that use the most — like Hillsborough, Morgan Hill and Beverly Hills — will be forced to slash their water consumption by 35 percent.

Residents in many Bay Area cities that fall in between — like those served

See **WATER**, Page 10

## WHO'S SAVING AND WHO'S NOT

### 10% (some of the best savers):

East Palo Alto, Santa Cruz, Daly City, Hayward, San Francisco

### The 35% club (Bay Area's worst offenders):

Morgan Hill, Vacaville, Bear Gulch (Woodside)

Entire list of Bay Area water districts and their savings stats. **PAGE A10**

by the San Jose Water Co. and the East Bay Municipal Utility District — will be mandated to cut 20 percent; while others that use more — such as the Contra Costa Water District — are under the gun to make 25 percent cuts.

The new targets from the State Water Resources Control Board — the first-ever mandated by the state after a year of fruitless voluntary conservation cuts — come with a stiff penalty for communities that fall short: fines of up to \$10,000 a day.

That could be an expensive lesson for communities across the state if Californians continue to slide on conserving water.

Urban residents reduced their water use by only 2.8 percent statewide in February, compared with the baseline year of 2013, according to figures released Tuesday.

"I was horrified when I saw the numbers," said Felicia Marcus, chairwoman of the state water board. "It was hot in Southern California in February, and they got less rain than Northern California. There's the psychology of people saying, 'My lawn is getting a little more water it a little more.'"

Marcus said cities and water districts have not done nearly enough to reduce consumption by the state's 38 million residents — particularly on lawns, which use 50 percent of all residential water — and that with reservoirs and groundwater levels falling, they should be preparing for a drought that could last 10 years or more.

"People who don't hit their targets will be fined. We don't have time to waste," she said. "It is going to be a buckle-your-seatbelts kind of a year."

## Executive order

Last week, standing at a news conference in a dry Sierra Nevada meadow that normally would be under 5 feet of snow this time of year, Gov. Jerry Brown signed an executive order requiring California's urban users to cut water consumption by 25 percent compared with 2013 levels. An early spring storm that passed through the Bay Area this week dumped up to a foot of snow in the Sierra but will have little impact on the drought.

The conservation targets released late Tuesday were designed to reward cities that have already cut water use and penalize those that haven't, including many of the wealthiest communities in the state. The state board will vote on the final rules May 5.

Many big water providers said Tuesday that they are preparing to crack down now.

"We need people to conserve more," said Abby Figueroa, a spokeswoman for EBMUD, which serves 1.3 million people in Alameda and Contra Costa counties.

"If they don't, and we don't get much rain next winter, it just means that 2016 will be that much harder. It could mean draconian cuts like we have never seen before in California — like no outdoor watering at all, or no new development."

EBMUD's seven reservoirs were 53 percent full on Tuesday. Their historic average for this date is 82 percent full.

The district has so far been asking its customers for 15 percent voluntary conservation. In February, they reduced by only 6 percent.

The district's board will vote next Tuesday on a host of new water-conserving actions. Among them: deciding which two days a week people can water lawns and imposing an "excessive use penalty." The district also plans on raising water rates by 24 percent on the average homeowner, in part to cover the costs of buying more water to make up for supplies it lost in the meager snowpack this year.

San Jose Water Co., which provides water to 1 million residents, has not said how it plans to comply with the new rules. It has asked customers for odd-even water days, but has not done any enforcement for people who ignore the rules. Nor have most cities on the Peninsula.

"I'm looking out my front window and I see a lot of green lawns," said James

O'Keefe, a small-business owner in San Mateo. "And there are corporate offices with lots of landscaping. My family went to Easter brunch on Sunday, and the restaurant served us water without us asking. We all say we have a drought, but I just don't think we as a state are taking it seriously enough."

### Missing the mark

In January 2014, the governor asked Californians to cut water consumption 20 percent voluntarily. So far, they have reduced by less than half that, 9.1 percent. Ominously, the Los Angeles and San Diego region increased water use in February by 2.3 percent, compared with 2013. Residents of the San Francisco Bay Area cut their use 8 percent, and Sacramento-area residents cut their use 14 percent.

Farmers, who use 80 percent of the water that people in California use, already have taken a major cutback, seeing their deliveries of federal and state water from the Delta eliminated entirely in many cases. Many are fallowing fields, laying off farmworkers or pumping already-depleted groundwater tables to stay in business.

"The drought has been real for two or three years for agriculture and the environment," said Jay Lund, director of the UC Davis Center for Watershed Sciences. "With the governor's announcement last week, it's just now becoming real for urban areas."

*Paul Rogers covers resources and environmental issues. Contact him at 408-920-5045. Follow him at Twitter.com/PaulRogersSJMN.*

## Mandated water cuts

New state rules require cities to cut water use from June 2015 to February 2016, compared with a 2013 baseline. The amount they will have to cut is based on their per capita use from September 2014, with cities that already use little being required to save less, and cities using more being required to save more or face fines of up to \$10,000 a day.

Conservation target	Community/supplier	Daily gallons per capita Residential, Sept. 2014
<b>35%</b>	Bear Gulch (California Water Service Co.)	228
	Morgan Hill	193
	Vacaville	186
<b>25%</b>	Los Altos (California Water Service Co.)	163
	Brentwood	162
	Sonoma	148
	Benicia	146
	Contra Costa Water District	140
	Antioch	139
	Suisun-Solano Water Authority	137
	Martinez	128
	Tracy	128
	Petaluma	125
	Livermore (California Water Service Co.)	115
	Pleasanton	114
	Livermore Division of Water Resources	113
	Milpitas	111
	<b>20%</b>	Napa
Palo Alto		107
Gilroy		106
San Jose		101
Pittsburg		101
Marin Municipal Water District		100
Watsonville		97
Belmont (Mid-Peninsula Water District)		96
San Jose Water Co.		95
Hollister		93
San Jose (Great Oaks Water Co.)		88
Burlingame		88
Millbrae		88
East Bay Municipal Utility District		84
Scotts Valley Water District		81
Alameda County Water District		80
Santa Clara		79
Dublin San Ramon Services District		78
Vallejo		78
Marina Coast Water District		75
Mountain View	74	
Redwood City	68	
Menlo Park	68	
Foster City (Estero Municipal Improvement District)	67	
Bay Point (Golden State Water Co.)	62	
Soguel Creek Water District	60	
San Bruno	58	
<b>10%</b>	Daly City	56
	South San Francisco (Westborough Water District)	54
	Hayward	52
	Pacifica (North Coast County Water District)	51
	East Palo Alto	50
	Half Moon Bay (Coastside County Water District)	48
	South San Francisco (California Water Service Co.)	46
	San Francisco PUC	46
	Santa Cruz	45
	<b>Other communities</b>	<b>35%</b> Bakersfield
<b>25%</b> Fresno		135
<b>20%</b> Los Angeles		93
<b>20%</b> San Diego		82

Source: State Water Resources Control Board BAY AREA NEWS GROUP

### Savings at its worst

The state only cut water use 2.8 percent in February, compared with the baseline year of 2013.

#### Water usage

Compared with same month from 2013



Source: State Water Resources Control Board

BAY AREA NEWS GROUP

# State adopts drought rules for fixtures

## New standards for toilets, faucets will take effect in 2016

By Josh Richman, Kerry Klein and Jessica Calefati  
*Staff Writers*

California's water restrictions barreled ahead Wednesday with stringent new standards for all toilets, urinals and faucets sold in the state starting in 2016.

The California Energy Commission adopted low-flow regulations — new toilets will be limited to 1.28 gallons per flush — that will save more than 10 billion gallons in the first year, and in time, up to 105 billion gallons per year — more

than three times the annual amount of water used by San Francisco.

The new regulations came one day after the State Water Resources Control Board rolled out a proposed framework requiring all urban water suppliers to cut residential water use by 10 to 35 percent below 2013 levels, and on the same day that Gov. Jerry Brown met for three hours with farmers, environmentalists and local water officials about the state's drought response.

Some areas will have to work harder to meet the new cutback standards, acknowledged Max Gomberg, a state water board scientist

who helped draft the plan.

The mandatory cuts are "going to be more of a challenge for hotter inland areas, but if you look at what the native vegetation there was, and what the vegetation is now that people live there ... there has to be a transition."

The goals aren't set in stone yet. The state water board for the next month will hear from the public about how different areas' climate, temperature, lot sizes and other water-use drivers should be taken into account. "We have to consider what will be fair and what will be feasible," Gomberg said.

The plan calls for com-

paring each water supplier's monthly data, starting this June, to the same month in 2013. If a district misses its assigned goal, the state could start with informal warning letters and then move to formal cease-and-desist orders — the latter of which could come with fines of up to \$10,000 per day. But that doesn't mean the board will come out guns a'blazing, Gomberg said. "We're still working out the details... There is no enforcement plan yet."

Some face the proposed cuts stoically. "We'll do what it takes to get there," said Justin Skarb, spokesman for California Water

Service Co.

Cal Water's "Bear Gulch" service area — Woodside, Atherton, Portola Valley and portions of Menlo Park and Redwood City — was handed the state's most severe 35 percent conservation target, which is far larger than the 11 percent reduction it has achieved since 2013. But mandatory means mandatory, Skarb said: "We will need to work with all our customers, including the large users, to achieve these conservation standards."

Others already have cut water use deeply enough to exceeded the new proposal's goals. The Dublin San

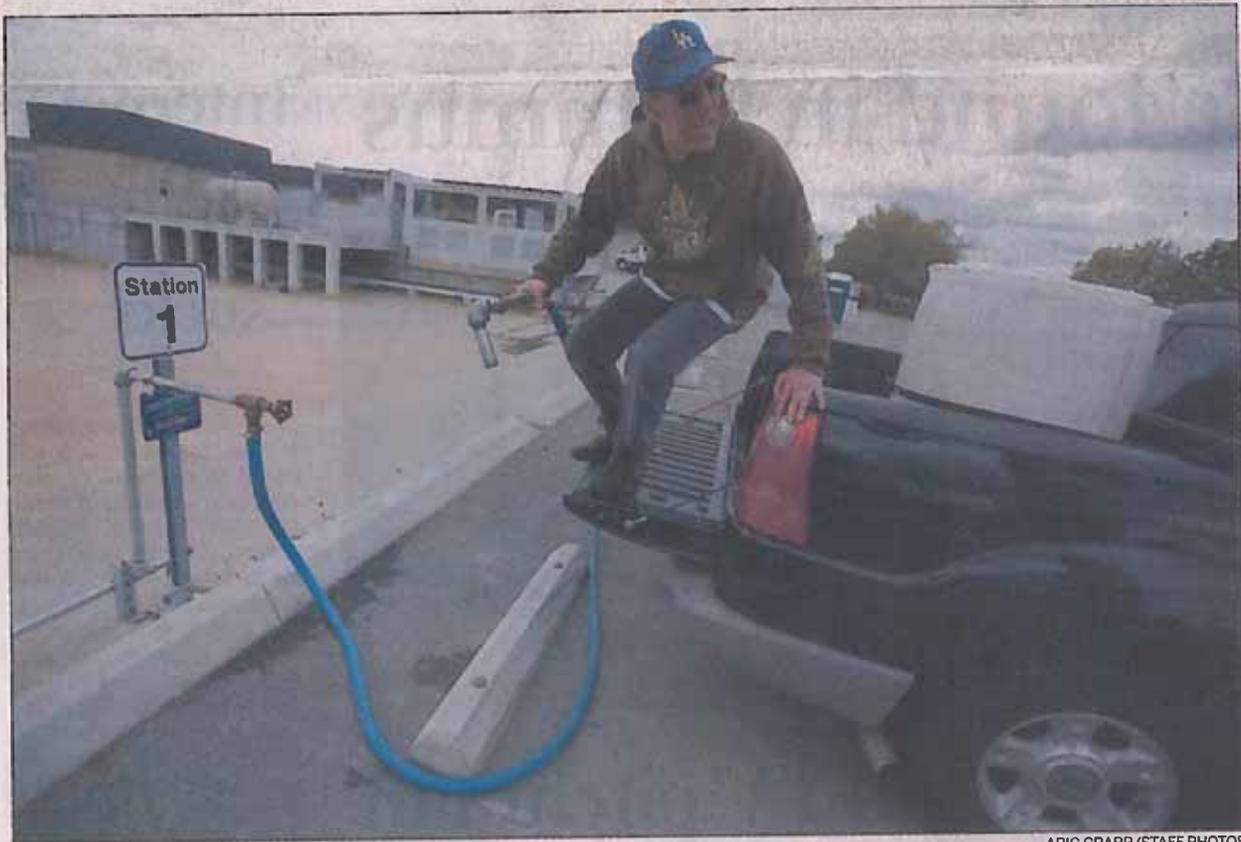
Ramon Services District's per capita residential water use is down by 29 percent since 2013, far better than the 20 percent standard it will be asked to meet. The district handed out low-flow showerheads, general manager Bert Michalczyk said Wednesday and started a "wildly successful" program letting customers get up to 250 gallons of treated wastewater for landscaping irrigation. The district's website lets residents track their water use in real time and receive emails or texts if they're overusing. "I give the community the tools and they're the ones, person by person, who make it happen," he said.

FRIDAY, APRIL 10, 2015

Sanitation solution

# A reclamation job

Sewage plants offer recycled water to keep yards green in drought



ARIC CRABB/STAFF PHOTOS

Leon Jung, of Dublin, hops off his truck after filling two 55-gallon barrels with recycled water at the Dublin San Ramon district.

By Denis Cuff

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PLEASANTON — Leon Jung figured he had to do something out of the ordinary to save his brown front lawn in a second year of water rationing.

So he turned to his local sewage plant.

## ONLINE EXTRA

For the latest on California drought conditions, visit [cadrought.com](http://cadrought.com).

He started trucking in reclaimed water a month ago from the plant, the first in California to dispense free recycled effluent, or treated sewage, to do-it-yourselfers.

Yes, free water. You just have to be willing to haul it home in tanks, drums, barrels or jugs — a rescue operation that seems a primitive throwback to the basics in a state with the most highly engineered water delivery systems in America.

See **WATER**, Page 5



A sign advertises the use of recycled water in a Dublin yard.

Business, however, is booming at the household recycled water station in Pleasanton, where water down the drain is converted to drought relief for parched lawns and shrubs.

Sewer plants in Martinez and Livermore also have begun giving away reclaimed water to drive-in customers, and plants in several other California cities are considering it.

"This water is making a huge difference with my landscaping," said Jung, a Dublin resident. "The lawn got pretty brown and dried out last year during the cutbacks. I worry it would die if I didn't give it this extra help."

A retired software engineer, Jung took delight in designing his mobile irrigation system with two 55-gallon used food drums strapped to the back of his pickup.

He fitted a plastic pipe that acts like a straw to suck up the water from the drums and an electric motor to send it shushing through a hand-held garden hose over his front lawn, ferns, camellia bush and other shrubs.

"I had fun coming up with this," he said as he steered a stream of treated sewage water on his lawn.

Jung is among the more than 610 residential customers who have registered to fill-em-up at the recycled water station operated by the Dublin San Ramon Services District at its sewer plant in Pleasanton near the crossroads of Interstates 680 and 580.

The popularity of the



ARIC CRABB/STAFF

Leon Jung, of Dublin, attaches a hose to a pump to pull recycled water from a 55-gallon barrel to irrigate his lawn Monday.

service has exploded in recent weeks. More than 50 people signed up in the past few days.

Adding to the stakes, Gov. Jerry Brown last week called for mandatory water cutbacks statewide averaging 25 percent — the amount Dublin, Livermore and Pleasanton already reduced last year.

"Our service is certainly riding a wave of popularity," said Dan Gallagher, the Dublin San Ramon operations manager. "I'm awed sometimes when I see so many people using our filling station. It takes a lot of work to bring water home, and pump it on your grounds, and then keep do-

ing it again and again."

The Dublin San Ramon district — a combined water and sewer agency — opened the recycled water station in July with three spigots and minimal expectations.

Now the station has eight spigots with another eight to be added soon to keep up with spiraling demand.

Anyone can take the water — not just district residents — and some people drive in from 30 miles away.

Officials said water shortages in the drought have helped many consumers get past the yuck factor of using treated effluent.

The Dublin San Ramon, Livermore and Central Con-

tra Costa Sanitary District sewer plants give the recycled water they distribute extra treatment with sand filters and disinfectant.

"Our tertiary treated recycled water is perfectly safe," said Sue Stephenson, a Dublin San Ramon spokeswoman.

There are limits, though.

Before they haul away their first load, consumers must sign a form pledging not to use the recycled water for drinking or swimming pools and not to put it in household water pipes.

"Some of our customers have become very creative in coming up with systems to get the water into hoses and drip systems," said

Melody LaBella, acting water recycling manager at the Central San plant in Martinez.

Many California sewer plants send recycled water through purple pipes to ball fields, golf courses or street medians, or dispense it to commercial trucks watering down dust.

But the Dublin San Ramon Services District's sewer plant in Pleasanton last year became the first to offer the free water to ordinary homeowners, according to the California Association of Sanitation Agencies.

"CASA felt that this program might be a model for other agencies to emulate in

## HOW TO GET WATER

Three East Bay sewer plants let homeowners pick up and haul away reclaimed sewage effluent for irrigation.

Dublin San Ramon Services District plant in Pleasanton allows anyone with a vehicle and containers to haul home recycled water. For hours and information, visit <http://bit.ly/1a7ra0A>.

Central Contra Costa Sanitary District restricts recycled water giveaways to district residents. For hours and information, visit <http://bit.ly/1a7rTPx>.

City of Livermore also restricts water giveaways to city residents. For information, call (925) 960-8100. Service is available from 6:30 to 8:30 a.m. and 2 to 4 p.m. Monday through Friday.

future,” said Bobbi Larson, executive director of the statewide association.

While hauling recycled water to homes is a drop in the bucket given the overall water reduction needs in California, it helps individual consumers meet rationing limits and reinforces a conservation ethic, advocates say.

The Dublin San Ramon plant dispensed 2.3 million gallons of recycled water to homeowners in 2014, and has given away more than 580,000 gallons in the first three months this year.

“If the drought ends, I suspect most of our customers will stop using our service,” Gallagher said. “But I don’t think we will close it, because some people will still want to use it.”

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## Critics: Fremont-based water district should lower employee salaries, benefits

By Chris De Benedetti [cdebenedetti@bayareanews.com](mailto:cdebenedetti@bayareanews.com)

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MercuryNews.com

FREMONT -- The Tri-City area's water agency appears set to raise customer rates again on Tuesday, but some residents are fed up over their continually rising bills, saying the Fremont-based district hasn't controlled the real culprit behind the rate hikes: ever-rising employee salaries and benefits.

If approved, customers' bimonthly service charge would increase by 30 percent -- the district's third hike on water bills in the past 15 months. Alameda County Water District leaders have blamed the state's drought for causing the 16th consecutive year of increases.

But some critics, such as Dean Nishimura, say the drought is not to blame. The agency could avoid the yearly increases by cutting back on personnel costs, Nishimura said.

"The issue is their culture of not willing to cut their salaries or their expenses ... in good times and bad," he said. "They say they're cutting back on employees and salaries, but they're not. It always goes up, not down."

Water district leaders, however, say they must hire the best professionals at competitive wages to fulfill their mission of giving customers clean, reliable water whenever they need it. "When we're competing against Silicon Valley ... and against other utilities for high-quality staff, we need to offer fair salary and benefit packages," district General Manager Robert Shaver said. "That helps us be more efficient in the long run."

And during the current drought crisis, the Tri-City area's 335,000 customers rely on the technical expertise of district employees more than ever, Shaver said. "This is the most challenging circumstances I've seen in my career," he said. "It's an all-hands-on-deck situation -- not the time to do anything draconian with staff that risks them leaving or not wanting to work here."

But an increasingly vocal group of customers say the district's rising salaries are driving the yearly rate increases. Their anger has grown in lockstep with their rising water costs, adding hostility to recent board meetings and some email exchanges with district staffers.

"ACWD is just a schoolyard bully taking my 77-year-old mother's lunch money again," Fremont resident Michael Lopez said in a recent email. "Will the current board step up to control costs? If history repeats itself, probably not."

The number of agency employees and their annual compensation costs have risen steadily over the past 16 years, according to data provided by the district.

In 2000, the water agency was authorized to hire 196 full-time workers. That figure increased to 218 in 2005. Today, the district has 238 full-time positions.

Most district employees' annual compensation -- including salary, health benefits, pension and perks -- is in six-figure territory. More than 200 district employees last year received at least \$100,000 in total compensation. That includes 44 workers whose compensation exceeded \$200,000 and four other employees who received at least \$300,000.

The water district's labor costs in fiscal year 2014-15 is \$42.9 million, said Michael Yee, the agency's budget and financial analysis manager.

Employee compensation costs this year represent more than half of the district's operating expenses, according to the agency.

The district also has \$106 million in unfunded pension and retirement liabilities, which is another reason to corral labor costs, district critics said.

The agency's Board of Directors will consider the new rate hike in a meeting at 6 p.m. Tuesday at the water district office, 43885 S. Grimmer Blvd., Fremont.

If the latest rate hike is approved, the drought surcharge levied on customers last summer will remain in effect, Shaver said.

The surcharge will not increase, but that likely will not be enough to silence the critics who want the district to change how it manages its finances.

"Listen to the people who have been telling you all along that ... you need to cut your excessive labor costs to minimize/eliminate the burden you are putting on the residents with annual rate increases," Nishimura said in an email to the district. "It is time for you to do the right thing for the ratepayers, as well as for ACWD."

Contact Chris De Benedetti at 510-293-2480. Follow him at [Twitter.com/cdebenedetti](https://twitter.com/cdebenedetti).

If you go

The Alameda County Water District will consider raising customer rates in a board meeting at 6 p.m. Tuesday at the district office, 43885 S. Grimmer Blvd., Fremont. Call 510-668-4200 or go online at [www.acwd.org](http://www.acwd.org) for more information.

#### District employees

2000

Number of authorized full-time employees: 196

2015

Number of authorized full-time employees: 238

Annual total compensation in 2014

Number of employees making at least \$100,000: 209

Number of employees making at least \$200,000: 44

Number of employees making at least \$300,000: 4

Source: Alameda County Water District

Mandatory water conservation

# Districts voting on rationing

**EBMUD, Contra Costa could be first in Bay Area to OK state-ordered cuts**

**By Denis Cuff**

*dcuff@bayareanewsgroup.com*

Two large East Bay water districts this week will consider becoming the first in the Bay Area to adopt state-ordered cuts in water use — and provide notice of proposed drought rate increases.

The East Bay Municipal Utility District board on Tuesday will consider mandatory districtwide reductions of 20 percent below use in 2013. Currently, the district is asking its 1.3 million customers to voluntarily cut back 15 percent.

The Contra Costa Water District board on Wednesday will consider mandatory reductions of 25 percent — up sharply from its 15 percent voluntary conservation program.

The two elected water boards

are responding to Gov. Jerry Brown's April 1 order for California urban water districts to cut back 25 percent on average. The exact reduction amount varies according to a district's per capita water use, the state water board has decided.

EBMUD and Contra Costa County officials this week also will consider a ban on watering lawns and plants more than twice a week.

"We managed this drought with minimal impact to customers of

the local economy," said EBMUD General Manager Alexander Coate. "We can't know how dry next winter will be, so we must save as much as we can starting today."

EBMUD officials on Tuesday will consider several drought measures.

One is to begin mailing customers public notices of a proposed 25 percent emergency drought sur-

*See WATER, Page 4*

## Water

*Continued from Page 1*

charge. The surcharge — plus a proposed 8 percent general rate increase — would raise an average household bill from \$48.60 to \$60 per month for 246 gallons per day.

To enhance supplies, the board will consider authorizing taking up to 33,250 acre-feet — or about a two-month supply — of Sacramento River water from Freeport, south of Sacramento.

To deter high use, the board will hold a hearing on proposed penalties for single-family customers

who use more than 4.5 times the average household use.

The board also will hold a hearing on adopting its first fines for stealing water from the district — for example, from hydrants.

Meanwhile, the neighboring Contra Costa Water District board meets Wednesday to consider adopting its reduction target.

To reach it, the board has proposed temporary drought rates that would increase the charge for each 748 gallons of treated water from \$3.45 to \$3.95 for 250,000 people in Concord, Pleasant Hill, Pacheco, Clyde and parts of Walnut Creek.

The Contra Costa board intends to hold a public hearing on the rate increase at 6:30 p.m. June 3.

CCWD spokeswoman Jennifer Allen said it will take work, but customers can cut use 25 percent by fixing leaks and cutting back on outdoor watering.

"If you haven't checked to see if your toilet is leaking, now is the time to do so," Allen said.

As an incentive, the proposed drought rates will result in a smaller bill for customers who cut use 25 percent or more.

Limiting lawn watering to twice a week will help many households reach the 25 percent reduction target, she said.

## As consumers use less water, utilities to charge more

# Higher water prices on tap

Utilities seek to recover  
revenue lost in drought

**By Kurtis Alexander**

Planning to save water this year to help with the drought? Don't expect to save money.

Water departments across California, including dozens in the Bay Area, are now looking to raise rates — in many cases by double digits — to shore up revenues as customers use less water during dry times and water sales plummet.

Some agencies, including the  
*Drought continues on A8*

### RUNNING DRY

Throughout 2015, The Chronicle will report on water growing scarce in California. For more coverage of the crisis, go to [www.sfgate.com/drought](http://www.sfgate.com/drought).

**Drought from page A1**

East Bay Municipal Utility District, are also considering hitting their biggest water users with fines.

The latest agency to confront the problem of dwindling dollars during drought is the San Francisco Public Utilities Commission, the Bay Area's largest water supplier. This week, it began notifying more than two dozen communities that buy its water that wholesale prices will increase 28 percent, effective July 1.

In most cases, that hike is expected to be passed on to retail customers.

"It's going to be a very difficult thing to explain to people," said Syed Murtuza, the public works director for the city of Burlingame, which gets all its water from the Public Utilities Commission and expects to raise local rates a yet-to-be-determined amount.

"You're saving water," he said, "and the next thing you're told is your water costs are going up."

**Maintaining water network**

Murtuza understands the dry-times twist on the old law of supply and demand. But, he said, it still bothers him.

The utilities commission, which pipes water to the Bay Area from Yosemite's Hetch Hetchy Reservoir, is facing a projected \$11 million hole in its roughly \$240 million annual budget, largely because of stepped-up conservation and lagging water sales.



Michael Macor / The Chronicle

**Hillsborough, one of the state's top water users, may be forced to cut water consumption by 35 percent during the drought.**

Bay Area residents have cut their water use about 13 percent between June and February, the period tracked by the state, compared with the same months in 2013.

"Revenue is down," said Tyrone Jue, a commission spokesman. "But we still have to keep the same network of pipelines running, even if customers are not using the tap as much."

The costs of running a water utility are largely fixed, owing to the big expense of pumping, treating and delivering water — and the relatively low price of water itself.

While the commission has tried to rein in spending by streamlining operations, it still expects it will run a deficit if it doesn't raise water prices, Jue said.

The utility, though, does not

plan to lift rates for its retail customers in San Francisco, at least not immediately, citing sufficient reserves to cover that share of the revenue gap. But most of the agency's 26 wholesale customers — which span San Mateo, Santa Clara and Alameda counties — won't be able to buffer their residents from the added expense.

"They're all going to have to incorporate that change into their retail rates," said Nicole Sandkulla, chief executive officer of the Bay Area Water Supply and Conservation Agency, which represents the wholesale customers.

**Expecting rate increases**

As of Monday, these buyers had not received the letters sent Friday by the utilities commission informing them of the 28

percent increase. Some, however, were already expecting a price bump and have plans to raise customer rates in the works.

The private water company serving San Mateo, San Carlos, South San Francisco and Colma estimates a 13 percent higher water rate for residents. The Alameda County Water District, which serves Union City, Newark and Fremont, expects an average 8 percent hike.

"This is just a difficult situation that water utilities find themselves in as people conserve during the drought," Sandkulla added. "We're going to see this across the state."

The Metropolitan Water District of Southern California, the largest provider of water in the southern part of the state, on Tuesday will consider curtailing supplies to its 26 wholesale customers by 15 percent and levying surcharges on those who use more. The proposal, which would also take effect July 1, could translate into big price hikes in some Southern California communities.

In the Bay Area, meanwhile, the East Bay Municipal Utility District is scheduled Tuesday to move ahead with plans for a new surcharge on retail customers.

The proposed 25 percent bump on water consumption — which would add about \$12 to the average monthly bill when combined with an already scheduled rate increase — aims to cover lost revenue during the drought as well as new wholesale water purchases. It would

also take effect July 1.

The financial headaches come as state water officials threaten another expense: fines for those who use too much water.

Last week, the State Water Resources Control Board introduced a proposal calling for water agencies to reduce consumption between 10 and 35 percent, with the precise amount determined by an area's past water use. Utilities that don't meet their targets face penalties up to \$10,000 a day.

#### **Capping water use**

While most communities are still figuring out how to comply with the state mandate, the East Bay Municipal Utility District is scheduled Tuesday to consider capping water use at single-family homes to hit its mandated 20 percent reduction.

The proposed cap, which would come with fines for excess use, is relatively high — 1,107 gallons of water daily per household. Only about 2 percent of homes served by the district currently use this much water, according to district officials.

"It means you're watering outdoors for a long time," said agency spokeswoman Abby Figueroa. "We think if people abide by our outdoor watering restriction, we can meet our cutback."

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(<http://www.prnewswire.com/>)



## Transparency Certificate of Excellence Awarded to Oro Loma Sanitary District

SAN LORENZO, Calif., April 14, 2015 /PRNewswire/ -- Oro Loma Sanitary District received the District Transparency Certificate of Excellence from the Special District Leadership Foundation (SDLF), in recognition of its outstanding efforts to promote transparency and good governance.

"This award is a testament to Oro Loma Sanitary District's longstanding commitment to open government," said Tim Becker, Board President. "Many of the requirements have been in place for years prior to the guidelines published by SDLF. The entire staff is to be commended for seeking out best industry practices and implementing them here at the District. Achieving high standards of transparency and managing the public's infrastructure well is a key to maintaining public trust."

To earn the award, a special district must demonstrate the completion of eight essential governance transparency requirements, including conducting ethics training for board members, properly conducting open and public meetings, and filing financial transactions and compensation reports with the State Controller in a timely manner. Oro Loma also fulfilled fifteen website requirements, including providing readily available information to the public – Board agendas, minutes, district budgets and financial audits.

Special District Leadership Foundation is an independent, non-profit organization formed to promote good governance and best practices among California's special districts through certification, accreditation and other recognition programs.

### **About Oro Loma Sanitary District**

Oro Loma Sanitary District provides wastewater collection and treatment services, as well as residential and commercial solid waste and recycling services to its customers.

SOURCE Oro Loma Sanitary District

## EBMUD cracks down on water use

Updated: 04/15/2015 07:32:52 AM PDT

ContraCostaTimes.com

OAKLAND -- Facing their bleakest outlook since 1977, East Bay water officials on Tuesday declared a severe drought emergency and took dramatic steps to slow the flow at the tap.

The East Bay Municipal Utility District ordered customers to cut back water use by 20 percent and limit outdoor watering to twice a week -- and warned that higher bills are on the way.

Starting July 1, rates will go up 8 percent, and a special drought surcharge of up to 25 percent on household bills will kick in. EBMUD says the temporary surcharge is needed to pay for increased costs, including purchase and delivery of additional water from the Sacramento River, and to enforce the tougher restrictions.



*Camanche Reservoir, April 2015. (East Bay Municipal Utilities District)*

With the rate increase and surcharge, the average household using 246 gallons per day would see its bill go up by \$11.65 to \$60.25 per month.

Officials also approved steep penalties and fines against high water users and those who steal from hydrants, pipes and other sources.

"Many customers' lawns aren't going to be as green this year, and that's OK," district spokeswoman Abby Figueroa said. "For the average person, it's about watering a lot less

outdoors this summer and shortening that already very short shower."

EBMUD is the first large Bay Area water district to adopt state-ordered water reductions since Gov. Jerry Brown's April 1 mandate to cut water use 25 percent across the state. The East Bay district was assigned a 20 percent target because it has a lower than average per capita use, but it -- along with other water agencies -- faces fines of up to \$10,000 a day for missing its target.

Until now, the district had been asking customers to voluntarily reduce use 15 percent, yet they have cut consumption only 6 percent this year so far.

Although the cutbacks ordered Tuesday are mandatory, EBMUD admits they will be achieved largely on an honor system -- the district will not monitor individual customers to see how much they've cut, and the penalties only apply to extremely heavy users. Still, because the district has a tiered rate system that charges frugal households the least and heavy users the most, officials argue there's a strong financial incentive to conserve.

With outdoor watering accounting for most households' largest discretionary use, district officials said it makes sense to set rates and rules to decrease lawn watering rather than set a per-gallon reduction target for households.

Bill Norton, an Alameda resident, told the board that charging more for water in a drought is an effective way to get people to cut use.

"Increasing rates is needed," he said.

Peter Rosen, a landscaper, said the district should require homeowners to install covers on swimming pools and spas to reduce evaporation. Next to lawn watering, pool water evaporation is the biggest source of water use in homes, he said.

The board decided to set penalties for households using more than 984 gallons per day, about three times more than the district average.

Director John Coleman of Walnut Creek argued the penalty trigger should be different in different parts of the district with varying average temperatures and lot sizes. Coleman, however, could not find other directors to support him.

Water thieves will get one warning, a \$1,000 fine for the next violation and \$2,000 for the second violation.

The board also took one significant action Tuesday to increase supplies. It agreed to pipe in 33,250 acre feet of Sacramento River to the East Bay -- the equivalent of a two-month supply of water.

East Bay hydrologists said the district reservoirs are projected to be only one-third full by Oct. 1, the lowest total in 38 years.

The district supplies drinking water to 1.3 million people in two counties in an area stretching from Pinole and Richmond to San Leandro in the south.

Contact Denis Cuff at 925-943-8267. Follow him at [Twitter.com/deniscuff](https://twitter.com/deniscuff).

**WEDNESDAY, APRIL 15, 2015**

**UNION SANITARY DISTRICT**

**NOTICE OF PUBLIC HEARING**

**FOR IMMEDIATE  
RELEASE:** UNION SANITARY DISTRICT  
5072 BENSON ROAD  
UNION CITY, CA 94587  
CONTACT: Paul R. Eldredge  
(510) 477-7500

April 15 and April 22, 2015

NOTICE IS HEREBY GIVEN that the Board of Directors of Union Sanitary District will consider adoption of revisions to Ordinance No. 36, which provides for the regulation of discharges to the sanitary sewer, including compliance with State and Federal law. The nature of the revision is to modify the name of the Ordinance, to add an Ammonia local limit in response to changes in USD's NPDES Discharge Permit, and to revise language of codified sections pursuant to recent versions of the Code of Federal Regulations. The revised ordinance can be accessed on Union Sanitary District's web page at [www.unionsanitary.com](http://www.unionsanitary.com), under the "What's New" tab, Ordinance No. 36 Revisions; or to request a hard copy, please call (510) 477-7620.

NOTICE IS FURTHER GIVEN that on Tuesday, the 26th of May 2015, at the hour of 7:00 P.M., at the Union Sanitary District Boardroom, 5072 Benson Road, Union City, California, in said District, said Board will hear and consider all comments, protests, and objections to said proposed revisions to Ordinance No. 36.

By order of the Board of Directors  
of Union Sanitary District.

UNION SANITARY DISTRICT  
Manny Fernandez  
President

**AR #5454960; April 15, 22, 2015**

Alameda County Water District

# Water bills set to rise

Amid angry protests, board votes to bump rates by 30 percent

By Chris De Benedetti  
cdebenedetti@  
bayareanewsgroup.com

FREMONT — Starting next month, Tri-City water bills will increase for the 16th consecutive year, despite customers' growing anger over the annual rate hikes.

The Alameda County Water District board of directors approved the increase Tuesday night in a tense, sometimes chaotic, meeting halted frequently by angry hecklers.

The board raised customers'

service charge by 30 percent, effective May 1. The fixed bi-monthly bill for most customers will rise from \$31.95 to \$41.54. The commodity charge will remain the same.

District staffers blamed the higher rates on several issues, such as rising water-supply costs, the drought, and the need to repair aging pipelines and pay \$106 million in unfunded liabilities.

But some ratepayers said those were just excuses, warning board members of political consequences if they don't soon reduce labor costs.

"If you pass this tonight, I'm calling for a recall of this board," said Fremont resident Abhijit Basu.

The board's 3-2 approval vote — with directors James Gunther and Judy Huang in the minority — came after the directors rejected Gunther's motion to lower the increase to 10 percent.

"What I don't want is people to think they're not being heard," Gunther said.

More than 25 speakers urged board members to reject the rate hike saying the district should reduce ever-rising employee salaries, health benefits and other labor costs before asking seniors on fixed incomes and others to pay more.

"If revenues and expenses don't balance, then you must do something," customer Gene Roth said. "Most reduce costs. If you

don't, that's nonsense because that's not sustainable. You must reduce expenses."

At one point during the meeting, fuming ratepayers continually interrupted staffers' presentations until board President Marty Koller called for a 10-minute recess.

No public commenters spoke in favor of the increase.

Responding to critics calling for layoffs instead of raising rates, staffers said up to 30 positions might be cut if the revenue from the rate hike were lost.

"That would be irresponsible because it would jeopardize our ability to deliver water," said district General Manager Robert Shaver.

# Amid protests, governor stands firm on water limits

Beverly Hills, Palm Springs say rules too harsh

By Jessica Calefati

[jcalefati@bayareanewsgroup.com](mailto:jcalefati@bayareanewsgroup.com)

SACRAMENTO — As California inches closer to implementing its first mandatory statewide limits on water use, Gov. Jerry Brown on Thursday said he won't relax the new rules after complaints from some cities that say they're too tough.

The State Water Resources Control Board has received letters from more than 200 water agencies on Brown's mandate to cut urban use statewide by 25 percent, with some cities pleading for leniency and calling the cuts unfair.

"From everything I can hear, (the targets are) attainable," Brown said at a Sacramento news conference he held after meeting with landscaping, cemetery and golf executives to discuss the drought. "We need to do more. We have to do (things) differently."

Most of the objections detailed came from Southern California water agencies serving places such as Palm Springs, Beverly Hills and Coachella Valley, while many Northern California agencies that wrote

to the board did so to express their approval of the proposed rules.

Cities such as Santa Cruz and San Francisco, whose residents on average use the least amount of water and have already been conserving water, received 10 percent conservation targets. Those with high per capita use, such as Hillsborough, Beverly Hills and Palm Springs, are facing 35 percent cuts.

Failure to meet targets could result in fines of as much as \$10,000 a day from the state board.

On Friday, the water board is expected to release a detailed report explaining how the new rules will work and how quickly cities and water districts will be fined for violating them.

Developing conservation measures to help Beverly Hills reduce its water use by a third will take time, interim city manager Mahdi Aluzri wrote in a letter to the water board. Hitting that target right away will be next to impossible, he wrote.

"The city recognizes that further conservation measures will be required to achieve the Governor's conservation mandate," Aluzri wrote. "However, the city is concerned that achieving a 35 percent con-

servation standard in such a short time may ultimately be infeasible."

Many large Bay Area water agencies were given 20 percent targets.

The Santa Clara Valley Water District "strongly supports" Brown's efforts to reduce water usage in response to the ongoing, extreme drought, CEO Beau Goldie wrote in an April 13 letter to the water board.

"As the groundwater management agency and water wholesaler for Santa Clara County," Goldie wrote, "we are committed to reducing water demands and protecting local resources during this extreme drought."

While the water board is carefully reviewing the letters it received and taking all water agencies' concerns seriously, it believes the goals are attainable, said Thomas Howard, the board's executive director.

"Quite honestly," Howard said, "the communities that are going to get hit with a 35 percent reduction, which is the maximum that the water board is proposing at this point, these are communities that are presently using" the most.

Contact Jessica Calefati at 916-441-2101. Follow her at [Twitter.com/Calefati](https://twitter.com/Calefati).



Beginning May 1, the bimonthly service charge (which is based on the size of the meter serving the property) will increase by 30 percent. For most single family residential customers with 5/8 or 3/4 inch meters, this will result in a bimonthly bill increase of approximately 8 percent or approximately \$5 per month.

Previous water, drought coverage on Patch:

- Hetch Hetchy System Completes \$278 Million Seismic Upgrade (<http://patch.com/california/unioncity/hetch-hetchy-system-completes-278-million-seismic-upgrade>)
- CA Legislature Sends Emergency Drought Package to Gov. Brown for Approval (<http://patch.com/california/unioncity/ca-legislature-sends-emergency-drought-package-gov-brown-approval-0>)
- California "Has Only About One Year of Water Supply Left in its Reservoirs" (<http://patch.com/california/elcerrito/california-has-only-about-one-year-water-supply-left-its-reservoirs>)
- State Sets Aside \$1 Billion For Emergency Drought Relief (<http://patch.com/california/newark/state-sets-aside-1-billion-emergency-drought-relief-0>)

No increase will be made to the commodity rate or drought surcharge.

As ACWD's new rates go into effect, the District's average single family residential bill falls below the median of 30 Bay Area water providers.

To learn more about ACWD, the rates process, drought, or water conservation, please visit: [www.acwd.org](http://www.acwd.org) (<http://www.acwd.org/>).

*Photo via Shutterstock*

*Also on Patch:*

- Body Found in Sunol Wilderness Believed to Be Missing Palo Alto Hiker (<http://patch.com/california/livermore/body-found-sunol-wilderness-believed-be-missing-hiker-0>)
- City Council Says No More Smoking in Downtown Livermore (<http://patch.com/california/livermore/city-council-says-no-more-smoking-downtown-livermore-0>)

**SFGATE** <http://www.sfgate.com/bayarea/article/Water-managers-announce-mandatory-cuts-6208521.php>

## Water managers announce mandatory cuts

By Kurtis Alexander Updated 8:39 pm, Saturday, April 18, 2015



IMAGE 1 OF 14

Reggie Ransaw uses a high-pressure spray gun on his 1966 VW at Golden Coin Car Wash in Oakland last month. Most car washes use recycled water.

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Dead lawns and dirty cars may be the future for California under mandatory water reductions of up to 36 percent rolled out Saturday by state water officials.

The unprecedented regulation, which comes despite concern that the state is overreaching, builds on an earlier proposal that compels heavy water users to make the biggest sacrifices as California faces a fourth year of drought.

Under the new mandate, each of the state's 400 largest water agencies is assigned to one of nine tiers of cuts, with those that have historically consumed more water required to make larger reductions — even more than the initial proposal recommended.

**RELATED STORIES**



**Some day they'll get soaked by state's big water cutback**



**Chronicle Watch: end up your tip about Bay Area water waster**

**Forgive me for bragging, but my lawn's worse than yours**

A handful of spots in the Bay Area, including Hillsborough, Discovery Bay, Atherton and Woodside, join a roster of 94 guzzlers, most of them in Southern California, that must curb their water use 36 percent, compared with 2013 levels.

San Francisco, with its relatively low water use, is among 23 places that face an 8 percent cut, slightly less than the 10 percent initially proposed. The 8 percent tier is the second-least demanding, after a 4 percent tier reserved for areas that don't import water and have a rare abundance of supply.

The remainder of communities face reductions of between 12 and 32 percent.

**New regulations**

The State Water Resources Control Board is expected to put final touches on the new regulation by April 28, after a period of public comment, with the mandatory cuts scheduled to take effect by June.

“I think it will be a little difficult for some people who haven't been paying attention,” said Justin Skarb, spokesman for the private California Water Service utility that provides water to several Bay Area communities, including Atherton and Woodside. “But I think most Californians recognize that we're in a serious drought.”

Under the state mandate, individual water agencies will be responsible for making sure their required reduction is achieved, whether that means slapping customers with new restrictions or just pressing harder for voluntary measures.

Utilities that don't hit their target could face fines of up to \$10,000 a day.

California Water Service, like most water agencies, doesn't know yet exactly what it will do to reduce consumption. But Skarb said limits on water use for residents and businesses, and fines for those who go over, are likely.

"You're going to see a number of communities across California moving to water allocations for their customers," he said.

The mandatory reductions are a response to Gov. Jerry Brown's order this month for a 25 percent statewide drop in urban water use. It's the first time California has resorted to statewide rationing and comes as major reservoir levels across the state approach record lows.

The regulation includes several changes from the initial proposal, adjustments that State Water Board Chairwoman Felicia Marcus said make the cuts easier to achieve and more equitable.

The new terms, for example, expand the number of reduction-target tiers, lessening the difference between the sizes of cuts for similar areas. Also, water agencies are assigned to groups based on consumption during a three-month summer period last year, rather than merely during September, as had been proposed.

Criticism of the rationing effort has been festering. Water agencies and interest groups, which submitted more than 250 letters to the state after the initial proposal April 7, claim that mandatory restrictions are unnecessary, bad for business and too demanding.

"Some conservation measures may include capital projects or municipal code amendments," wrote George Murdoch, utilities director of the Orange County city of Newport Beach, which is being required to make a 32 percent cut. "This could take time."

### **Fast action in S.F.**

Water managers in San Francisco, on the other hand, say they expect to achieve their required cut quickly and without more restrictions on residents.

The city has so far relied on state water rules, which mainly restrict outdoor watering, to achieve savings, along with a blitz of public service messages. On Monday, city officials are scheduled to announce another conservation campaign — this time to persuade people to let their lawns go brown.

“We need every drop of water we can get,” said Tyrone Jue, spokesman for the San Francisco Public Utilities Commission. “Ornamental turf should be the lowest priority for where we need to use water.”

The East Bay Municipal Utility District, which provides water to much of Alameda and Contra Costa counties, took steps at its meeting Tuesday to hit its state target, which dropped from 20 percent in the initial proposal to 16 percent in Saturday’s order.

The East Bay utility board declared a stage 4 drought emergency, its most critical level, asking customers for 20 percent across-the-board water cuts and threatening penalties for those who use more than four times the average.

### **Major reductions**

The San Jose Water Co. in the South Bay and the Marin Municipal Water District each face a 20 percent reduction under the state regulation.

The Alameda County Water District faces a 16 percent cut, while nearby Contra Costa Water District needs to cut 28 percent.

In addition to the tiered cuts, the regulation adds rules to the state’s existing outdoor watering restrictions. Irrigating street medians with potable water will be prohibited and newly built homes will be required to have drip irrigation systems for watering.

*Kurtis Alexander is a San Francisco Chronicle staff writer. E-mail: [kalexander@sfgate.com](mailto:kalexander@sfgate.com)  
Twitter: @kurtisalexander*

### **Water cuts**

Proposed reductions for water agencies in the greater Bay Area.

### **8 percent**

San Francisco Public

Utilities Commission

Santa Cruz

Daly City

Redwood City

Hayward

**12 percent**

Estero Municipal

Improvement District

(Foster City)

California Water Service Co. King City

**16 percent**

East Bay Municipal Utility District

Alameda County Water District

Mountain View

Santa Rosa

Vallejo

Santa Clara

**20 percent**

San Jose Water Co.

Marin Municipal Water District

Livermore

**24 percent**

Palo Alto

Pleasanton

Napa

Petaluma

**28 percent**

Contra Costa

Water District

**32 percent**

Morgan Hill

Vacaville

California Water Service Co. Los Altos

**36 percent**

Hillsborough

Discovery Bay Community Services District

California Water Service Bear Gultch Division (mainly Atherton, Woodside, Portola Valley)

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## **California drought: Court rules tiered water rates violate state constitution**

In a ruling with major implications for California's water conservation efforts during the historic drought, a state appeals court on Monday ruled that a tiered water rate structure used by the city of San Juan Capistrano to encourage saving was unconstitutional. The Orange County city used a rate structure that charged customers who used small amounts of water a lower rate than customers who used larger amounts.

But the 4th District Court of Appeal struck down San Juan Capistrano's fee plan, saying it violated voter-approved Proposition 218, which prohibits government agencies from charging more for a service than it costs to provide it.

The stakes are high because at least two-thirds of California water providers, including many in the Bay Area, use some form of the tiered rate system.

Gov. Jerry Brown immediately lashed out at the decision, saying it puts "a straitjacket on local government at a time when maximum flexibility is needed. My policy is and will continue to be: Employ every method possible to ensure water is conserved across California."

Brown added state lawyers are now reviewing the decision. It remained unclear Monday evening what effect the ruling would have on other agencies that use tiered rates.

"Our attorneys are reviewing the decision and are evaluating its impacts, if any," said Abby Figueroa, a spokeswoman for the East Bay Municipal Utility District, which uses three tiers to price its water in units that range from \$2.91 for the first 172 gallons a day to up to \$4.42 for all water used in excess of 393 gallons per day.

San Jose Water Company, which provides water to 1 million people, has tiered rates, but as a private company is not affected by Proposition 218.

Water experts have cited studies for years showing that higher costs for water reduce consumption, but critics say it penalizes residents who have larger lots and live in warmer areas.

One city that has put in place a system of very high costs for high use -- Santa Cruz -- has cut water use 24 percent since last summer, and has among the lowest per-capita water use levels in California.

In a mandatory rationing system imposed last year, suspended over the winter, and reimposed by the Santa Cruz City Council last week, the city allows every residential home to use 10 units of water a month. Each unit is 748 gallons.

The first four units cost \$1.73 per unit, and units above that cost \$4.40 per unit. The city imposes a \$50 fee for per unit -- believed to be the highest in the state -- on residents who use more than 11 units.

That fee, which sent some water guzzlers' bills skyrocketing, will not be affected by Monday's court ruling, however, said Rosemary Menard, Santa Cruz's water director, because it is clearly labeled a "penalty" in the city ordinance, and is not used to pay for daily operations of the water system.

"The penalties, I'm sure we're not changing," she said. "They don't have anything to do with this."

As other cities struggled to meet tough state water conservation targets, others may copy Santa Cruz's system, she said.

"It works pretty well," Menard said. "If you raise the price of water, people will use less of it, especially for discretionary uses" like overwatering lawns during a historic drought. Penalties aside, the court said that tiered water rates are legal as long as the government agency can show that each rate is tied to the cost of providing the water.

"The water agency here did not try to calculate the cost of actually providing water at its various tier levels," the court said of San Juan Capistrano. "It merely allocated all its costs among the price tier levels, based not on costs but on predetermined usage budgets."

The highly anticipated decision comes in the wake of Brown's executive order directing water agencies to develop rate structures that use price signals to force conservation. His order, which also requires a 25 percent reduction in urban water usage, marked the first mandatory water restrictions in state history and came as the state enters a fourth year of an unrelenting drought.

Some Bay Area agencies said Monday the case will not affect them.

"I don't see any impact (on) our district based on the way we put our rate system together," said Contra Costa Water District spokeswoman Jennifer Allen. "It's based on cost of service."

In the San Juan Capistrano lawsuit, a group of residents sued that city, alleging that its tiered rate structure resulted in arbitrarily high fees. The city's 2010 rate schedule charged customers \$2.47 per unit of water in the first tier and up to \$9.05 per unit in the fourth. The city, which has since changed its rate structure, was charging customers who used the most water more than the actual cost to deliver it, plaintiffs said. The law, they argued, prohibits suppliers from charging more than it costs to deliver water.

Experts say 66 percent to 80 percent of California water providers use some type of tiered rates. A 2014 UC Riverside study estimated that tiered rate structures similar to the one used in San Juan Capistrano reduce water use over time by up to 15 percent.

An author of the study, Ken Baerenklau, said the effect was greatest on the heaviest water-users. In a previous interview with The Los Angeles Times, he said that if the court found in favor of the plaintiffs, as it did Monday, the decision "would be a big deal" because it would "stand in the face of significant momentum" toward tiered rates. Matt Stevens of the Los Angeles Times and Bay Area News Group staff writers Paul Rogers, Jeremy Thomas and Denis Cuff contributed to this report.