



BOARD MEETING AGENDA
Monday, April 13, 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.

2. Pledge of Allegiance.

3. Roll Call.

Motion

4. Approve Minutes of the Meeting of March 23, 2015.

5. Written Communications.

6. 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.

Motion

7. Approve Increase to Pay Range of Wastewater Operations Coach *(to be reviewed by the Personnel Committee).*

Motion

8. Approve Publicly Available Pay Schedule *(to be reviewed by the Personnel Committee).*

Motion

9. Award the Construction Contract for the Newark Backyard Sanitary Sewer Replacement Project – Phase 2 to Ranger Pipelines, Inc. *(to be reviewed by the Construction Committee).*

Motion

10. 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 *(to be reviewed by the Construction Committee).*

Motion

11. Schedule a Public Hearing to Adopt Ordinance No. 36.03, Sewer Use Ordinance *(to be reviewed by the Legal/Community Affairs Committee).*

-
- Motion 12. Approve a Change Order to the Agreement with Raftelis Financial Consultants, Inc. for the Sewer Service Charge Cost of Service Study *(to be reviewed by the Budget & Finance Committee)*.
-
- Motion 13. Resolution No. ____, 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 *(to be reviewed by the Legal/Community Affairs Committee)*.
-
- Information 14. Information Items:
- a. Check Register.
 - b. Cogeneration Project Construction Contract Change Order Summary *(to be reviewed by the Construction Committee)*.
 - c. Earth Day 2015 *(to be reviewed by the Legal/Community Affairs Committee)*.
 - d. Discuss Topics for the General Manager Check-in Workshop Scheduled for April 30, 2015.
-
- Information 15. Committee Meeting Reports. *(No Board action is taken at Committee meetings):*
- a. Legal/Community Affairs Committee – scheduled for Wednesday, April 8, 2015, at 4:30 p.m.
 - b. Construction Committee – scheduled for Thursday, April 9, 2015, at 8:45 a.m.
 - c. Budget & Finance Committee – scheduled for Thursday, April 9, 2015, at 4:30 p.m.
 - d. Personnel Committee – scheduled for Friday, April 10, 2015, at 9:30 a.m.
-
- Information 16. General Manager's Report. *(Information on recent issues of interest to the Board)*.
-
- Information 17. 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.
-
18. Adjournment – The Board will adjourn to the District Counsel Interviews Closed Session on Tuesday, April 21, 2015, at 1:00 p.m.
-
19. Adjournment – The Board will then adjourn to the Main Budget Workshop in the Boardroom on Thursday, April 23, 2015, at 6:30 p.m.
-
20. Adjournment – The Board will then adjourn to the next Regular Meeting in the Boardroom on Monday, April 27, 2015, at 7:00 p.m.

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

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

The facilities at the District Offices are wheelchair accessible. Any attendee requiring special accommodations at the meeting should contact the General Manager's office at (510) 477-7503 at least 24 hours in advance of the meeting.

THE PUBLIC IS INVITED TO ATTEND

**NOTICE OF
COMMITTEE MEETING**

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



BOARD MEETING OF APRIL 13, 2015

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)

Legal/Community Affairs Committee, Wednesday, April 8, 2015, at 4:30 p.m.

11. Schedule a Public Hearing to Adopt Ordinance No. 36.03, Sewer Use Ordinance.
13. Resolution No. ____, 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.
- 14c. Earth Day 2015.

Construction Committee, Thursday, April 9, 2015, at 8:45 a.m.

9. Award the Construction Contract for the Newark Backyard Sanitary Sewer Replacement Project – Phase 2 to Ranger Pipelines, Inc.
10. 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.
- 14b. Cogeneration Project Construction Contract Change Order Summary.

Budget & Finance Committee, Thursday, April 9, 2015, at 4:30 p.m.

12. Approve a Change Order to the Agreement with Raftelis Financial Consultants, Inc. for the Sewer Service Charge Cost of Service Study.

Personnel Committee Friday, April 10, 2015, at 9:30 a.m.

7. Approve Increase to Pay Range of Wastewater Operations Coach.
8. Approve Publicly Available Pay Schedule.

Committee meetings may include teleconference participation by one or more Directors.
(Gov. Code Section 11123)

**MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
March 23, 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

ABSENT: Anjali Lathi, Director

STAFF: Paul Eldredge, General Manager
Dave O'Hara, District Counsel
Sami Ghossain, Technical Services Manager
James Schofield, Collection Services Manager
Kathy Destafney, Business Services Coach
Regina McEvoy, Assistant to the GM/Board Secretary

GUEST: Alice Johnson, League of Women Voters

APPROVAL OF THE MINUTES OF MARCH 9, 2015

It was moved by Director Kite, seconded by Vice President Toy, to Approve the Minutes of the Board of Director's Meeting held March 9, 2015. Motion carried with the following vote:

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

MONTHLY OPERATIONS REPORT FOR FEBRUARY 2015

General Manager Eldredge reported the following:

- A new format for the monthly operations report was used.
- Odor Complaints: One odor complaint was received in February from Fremont. District staff investigated the complaint, and no odor was found. The findings were relayed to the reporting party.
- Safety: One new injury was reported in February. The employee had been experiencing wrist pain for approximately 1 ½ years, and has been diagnosed with Carpal Tunnel syndrome. The District received guidance from the CDC for workers handling untreated sewage from individuals with EBOLA. The USD Bloodborne

Pathogen control plan was updated to include the most current information and training is being planned for impacted employees.

- Personnel: Rich Czapkay was promoted to Collection Services Coach.
- The Hours and Leave report has been altered to the totals for each workgroup in addition to the totals for all District employees.

Business Services Coach Destafney reported the following on behalf of Business Services:

- The District recently purchased three vehicles, including two Chevy Volts.
- Expenditures by work group are at or under budget.

General Manager Eldredge and Technical Services Manager Ghossain reported the following on behalf of Technical Services:

- The new format for the Technical Services Monthly Operations report includes a table of trouble calls received from each of the three cities we serve.
- The number of permits issued over the past three months are listed by type.
- The Environmental Compliance report listed a total of 26 urban runoff enforcements and 16 FOG enforcements.
- Environmental Compliance staff have recently been focusing on industrial users, which has led to an increase in the discovery of unpermitted connections.

General Manager Eldredge stated the Treatment & Disposal monthly operations report now includes a Cogen power production chart and a chart showing lab results and effluent flow.

WRITTEN COMMUNICATIONS

There were no written communications.

ORAL COMMUNICATIONS

Alice Johnson from the League of Women Voters of Fremont, Newark, and Union City spoke regarding Sunshine Week. Ms. Johnson stated the purpose of Sunshine Week is to promote open government and access to public information. Ms. Johnson stated the League works to hold government officials accountable once they are in office. Ms. Johnson presented a report stating the League finds the District to be a transparent agency, which is attached.

RESOLUTION NO. _____, ACCEPT CONSTRUCTION OF PRIMARY DIGESTER NO. 5 REHABILITATION PROJECT FROM D.W. NICHOLSON CORPORATION AND AUTHORIZE THE ATTORNEY FOR THE DISTRICT TO RECORD A NOTICE OF COMPLETION

General Manager Eldredge stated the contractor, D.W. Nicholson Corporation, submitted a last minute time extension request for the Project. After the Committee Notice was posted, it was determined the item could not be considered for acceptance at this time.

ADOPT RESOLUTION NO. 2754, APPROVE EXCEPTION TO THE 180-DAY WAIT PERIOD FOR POST-RETIREMENT EMPLOYMENT FOR ANDY MORRISON

This item was reviewed by the Personnel Committee. Collection Services Manager Schofield stated he had less than three weeks to be mentored by the retiring Collection Services Manager, Andy Morrison, in December 2014. Retirement law allows an agency to waive the

180-day wait period that typically elapses prior to a retired annuitant returning to temporary employment for the purpose of performing a special project/assignment.

It was moved by Director Kite, seconded by Vice President Toy, to Adopt Resolution No. 2754, Approving Exception to the 180-Day Wait Period for Post-Retirement Employment for Andy Morrison. Motion carried with the following vote:

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

INFORMATION ITEMS:

Check Register

All questions were answered to the Board's satisfaction.

Co-Digestion Pilot

General Manager Eldredge stated the District's Cogeneration engines have been running on a mixture of 75% biogas and 25% natural gas. The District is spending approximately \$20,000 on natural gas each month. If the District can generate more biogas, less natural gas would need to be purchased to keep the engines running. The Co-Digestion Pilot program will utilize free organic material that will be transported to the plant for digestion and generate additional biogas. The District will explore the benefits over a period of 3-4 months. It is anticipated this free feedstock will be able to generate 5 – 10% more biogas. This would enable the District to purchase less natural gas, and result in an estimated monthly savings of \$7,500 - \$15,000. President Fernandez asked if there would be any potential harmful effects. General Manager Eldredge stated the process would not be harmful. Secretary Handley requested a tour of the process when appropriate.

COMMITTEE MEETING REPORTS:

The Construction, Personnel, and Budget & Finance Committees met.

GENERAL MANAGER'S REPORT:

- General Manager Eldredge stated the District hired Koff and Associates executive recruiters to assist in filling the Business Services Manager, Business Services Coach, and Human Resources Administrator positions.
- Recruitment for Fabrication, Maintenance, and Construction Coach recently closed, and applications are under review.
- District staff will meet with Alameda County Water District staff to discuss reclaimed water.
- PG&E completed the inspection associated with the Cogeneration Grant on March 13, 2015. District staff worked diligently to meet all grant requirements, and expect to receive the final results in April.
- The Cogeneration Ribbon Cutting will be held from 2:00 – 4:00 p.m. on Thursday, March 26, 2015.

OTHER BUSINESS:

Director Kite inquired about the USD Video. General Manager Eldredge stated the video would be presented to the Board in early summer of this year.

ADJOURNMENT:

The meeting was adjourned at 7:38 p.m. to the next Regular Board Meeting in the Boardroom on Monday, April 13, 2015, at 7:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
SECRETARY TO THE BOARD

TOM HANDLEY
SECRETARY

APPROVED:

MANNY FERNANDEZ
PRESIDENT

Adopted this 13th day of April, 2015

League of Women Voters of Fremont Newark and Union City
PO Box 3218, Fremont CA 94539

March 23, 2015
Sunshine Week

Good Evening, Board Members, Management and Staff.

My name is Alice Johnson. I am here tonight as a representative of the League of Women Voters of Fremont, Newark and Union City. I am here in recognition of Sunshine Week.

Launched in 2005, Sunshine Week has grown into an annual national initiative to promote open government and push back against excessive official secrecy. Citizens from across the country are once again taking part March 16-22 to spark a nationwide discussion about the critical importance of access to public information. Don't feel you are alone or being singled out. You are in good company with boards, commissions and many other public governmental entities across the country.

Part of the League's work is to hold government officials accountable once elected to office. The League observer corps programs help ensure that transparency remains a clear goal and is practiced diligently and consistently through our three cities.

Tonight as a League member and observer I will report on your agency's progress. This report is a cooperative effort between Ellen Culver and me as follows:

Agendas and meeting dates are posted online in a timely manner. Agendas are clear and with detailed minutes posted online. I found the ~~he~~ website to be user friendly.

Meetings are open to the public. Access to the meeting room is reasonable with adequate parking. The meetings start on time and usually seem to end at a reasonable hour. Staff and board members seem to have prepared for the meeting.

One cost-free suggestion for your consideration is for the Union Sanitary District to maintain an email list for people who want to receive the agenda by email. Washington Hospital Board will be instituting this practice and the Fremont School District already has such a list in place.

In Summation:

Our League finds this to be a very straightforward agency, quite transparent in enacting its business while maintaining a low profile in the community. We wish you continued success in your efforts operating in a transparent manner and remaining responsive to the needs of your constituents.



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 6, 2015

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Armando Lopez, Treatment & Disposal Services Manager
Judi Berzon, Human Resources Administrator

SUBJECT: Agenda Item No. 7 - Meeting of April 13, 2015
Approval of Increase to Pay Range for Wastewater Operations Coach

Recommendation

Approve the recommended increase to both the pay range and night shift differential for the Wastewater Operations Coach that was presented by Armando Lopez, Treatment & Disposal Services Manager at the March 17, 2015 Board Workshop.

Background

Following the December 2014 recruitment for Wastewater Operations Coach (Night) it was determined by Treatment & Disposal Service (T&D) Management and the Executive Team that it would be in the District's best interests to conduct a second recruitment.

Discussions with several potential internal candidates who did not apply for the vacant Night Coach position during the initial recruitment indicated that the salary range and work schedule of the Night Wastewater Operations Coach adversely affects the District's ability to attract the highest quality candidates.

A job audit and salary survey for the Wastewater Operations Coach was conducted that showed that the salary range was 9% below the market average.

In addition, the Night Wastewater Operations Coach currently receives a flat rate shift differential of approximately 4.4%, compared to the 12% differential earned by the

District's Night Shift Plant Operators. Night Shift Plant Operators are also eligible to earn overtime, which is not applicable for the exempt Coach position. This fact creates the additional compensation issue that an Operator on the Night Shift who works overtime can conceivably receive more pay than his/her Coach (see table below).

Classification	Annual Salary
Night Shift Plant Operator (<i>with 12% shift differential</i>)	\$98,165 - \$119,320 <i>** does not include overtime</i>
Night Shift Wastewater Operations Coach (<i>with 4.4% shift differential</i>)	\$110,330 - \$144,807 <i>after September 2014 salary range adjustment of 4%</i>

Recommendation

Increase the Wastewater Operations Coach pay range to meet current market conditions (approximately 9% above last year's salary survey) and increase the night shift differential to 5% of salary as indicated in the table below. The requested increases will 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.

	Proposed Annual Pay Range
Wastewater Operations Coach	\$110,683 - \$145, 272
Wastewater Operations Coach Night Shift Differential	5% (\$5534 - \$7,263)



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 6, 2015

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Rich Cortes, Business Services Work Group Manager
Judi Berzon, Human Resources Administrator

**SUBJECT: Agenda Item No. 8 - Meeting of April 13, 2015
APPROVE THE PUBLICLY AVAILABLE PAY SCHEDULE**

Recommendation: The President, USD Board of Directors, sign the April 13, 2015 Pay Schedule which will be posted and retained in accordance with CalPERS requirements.

Background:

The Publicly Available Pay Schedule, mandated by CalPERS in August 2011, is designed to: 1) ensure consistency between CalPERS employers; and, 2) enhance the disclosure and transparency of public employee compensation.

The "Publicly Available Pay Schedule" (CCR 570.5) must:

- be duly approved and adopted by the employer's governing body in accordance with requirements of applicable public meetings laws;
- identify the position title for every employee position;
- show the pay rate for each identified position as a single amount or as multiple amounts within a range;
- indicate the time base (i.e., bi-weekly, monthly, etc.);
- be posted at the office of the employer or immediately accessible and available for public review from the employer during normal business hours or posted on the employer's internet website;
- indicate an effective date and date of any revisions;

- be retained by the employer and available for public inspection for not less than 5 years;

The salary changes contained in this document reflect:

- the adjustment for the March 1, 2015 negotiated Classified employee salary increases; and
- the adjustment to the Wastewater Operations (TPO) Coach's salary based on a recent market survey and Night Shift Coach differential pay from a fixed amount to 5% of salary, which was presented to the Board on March 17, 2015 and on April 13, 2015 for approval.

Attachment: Union Sanitary District Pay Schedule Effective April 13, 2015

UNION SANITARY DISTRICT PAY SCHEDULE

Effective April 13, 2015		
Position Title	Minimum Bi-Weekly Pay Rate	Maximum Bi-Weekly Pay Rate
Accounting Tech Specialist	\$3,041.23	\$3,696.63
Accounting Technician II	\$2,703.31	\$3,285.90
Administrative Specialist I	\$2,402.15	\$2,919.83
Administrative Specialist II	\$2,528.58	\$3,073.50
Assistant Engineer	\$3,427.81	\$4,499.00
Assistant to the General Manager	\$2,924.79	\$3,838.79
Assistant Storekeeper	\$2,335.82	\$2,839.19
Associate Engineer	\$3,821.77	\$5,016.08
Buyer I	\$2,455.78	\$3,223.21
Buyer II	\$2,889.16	\$3,792.02
Chemist I	\$3,305.21	\$4,017.50
Chemist II	\$3,470.47	\$4,218.38
Coach, Business Services	\$4,426.46	\$5,809.72
Coach, Capital Improvement Projects	\$5,128.54	\$6,731.21
Coach, Collection Services	\$4,105.64	\$5,388.65
Coach, Customer Service	\$4,580.38	\$6,011.74
Coach, Electrical & Instrumentation	\$4,150.57	\$5,447.62
Coach, Environmental Compliance	\$4,120.45	\$5,408.09
Coach - Mechanical Maintenance	\$4,032.52	\$5,292.68
Coach, Research & Support/Sr. Process Engineer	\$4,580.38	\$6,011.74
Coach, Wastewater Operations (TPO)	\$4,257.04	\$5,587.38
Collection System Worker I	\$2,481.78	\$3,016.62
Collection System Worker II	\$2,729.97	\$3,318.30
Communications Coordinator	\$3,371.40	\$4,097.95
Construction Inspector I	\$2,887.70	\$3,510.02
Construction Inspector II	\$3,176.47	\$3,861.02
Construction Inspector III	\$3,303.54	\$4,015.46
Customer Service Fee Analyst	\$2,744.97	\$3,336.52
Engineering Technician I	\$2,786.27	\$3,386.74
Engineering Technician II	\$3,064.90	\$3,725.41
Engineering Technician III	\$3,371.40	\$4,097.95
Environmental Compliance (EC) Inspector I	\$2,727.98	\$3,315.88
Environmental Compliance (EC) Inspector II	\$3,069.05	\$3,730.45
Environmental Compliance (EC) Inspector III	\$3,406.64	\$4,140.79
Environmental Compliance (EC) Inspector IV	\$3,645.10	\$4,430.65
Environmental Control (EC) Outreach Representative	\$3,406.64	\$4,140.79

Effective April 13, 2015

Position Title	Minimum Bi-Weekly Pay Rate	Maximum Bi-Weekly Pay Rate
Environmental Health and Safety Program Manager	\$3,798.63	\$4,985.70
Environmental Program Coordinator	\$3,728.03	\$4,893.04
Fleet Mechanic I	\$2,751.67	\$3,344.67
Fleet Mechanic II	\$3,081.87	\$3,746.04
General Manager	\$7,074.72	\$9,285.56
Human Resources Administrator	\$4,591.87	\$6,026.83
Human Resources Analyst	\$3,210.96	\$4,214.38
Information Technology Administrator	\$4,367.30	\$5,732.08
Information Technology Analyst	\$3,089.29	\$4,054.70
Instrument Tech/Electrician	\$3,389.49	\$4,119.94
Janitor	\$1,840.39	\$2,237.01
Junior Engineer	\$3,085.03	\$4,049.10
Laboratory Director	\$4,111.05	\$4,997.00
Lead Collection System Worker	\$3,002.96	\$3,650.05
Maintenance Assistant	\$1,182.47	\$1,437.30
Manager, Business Services	\$6,291.21	\$8,257.22
Manager, Collection Services	\$5,528.78	\$7,256.52
Manager, Maintenance	\$5,528.78	\$7,256.52
Manager, Technical Services	\$6,107.76	\$8,016.44
Manager, Treatment & Disposal Services	\$5,528.78	\$7,256.52
Mechanic I	\$2,783.77	\$3,383.69
Mechanic II	\$3,117.83	\$3,789.75
Mechanic XL	\$3,714.66	\$3,979.24
Organizational Performance Program Manager	\$3,985.83	\$5,231.41
Painter	\$2,861.01	\$3,477.57
Planner/Scheduler I	\$3,196.08	\$3,884.86
Planner/Scheduler II	\$3,436.87	\$4,177.54
Plant Operations Trainer	\$3,775.57	\$4,589.22
Plant Operator I	\$2,655.79	\$3,228.14
Plant Operator II	\$2,947.94	\$3,583.24
Plant Operator III	\$3,371.03	\$4,097.51
Plant Operator XL	\$4,016.32	\$4,302.38
Principal Engineer	\$4,640.11	\$6,090.14
Principal Financial Analyst	\$3,694.37	\$4,848.86
Purchasing Agent	\$3,637.65	\$4,774.42
Receptionist	\$2,100.44	\$2,553.10
Senior Accountant	\$3,314.23	\$4,349.93
Senior Database Administrator / Developer	\$3,875.52	\$5,086.62
Senior Engineer	\$4,144.15	\$5,439.20

Effective April 13, 2015

Position Title	Minimum Bi-Weekly Pay Rate	Maximum Weekly Pay Rate
Senior Geographic Information System (GIS)/Database Administrator	\$3,875.52	\$5,086.62
Senior Information Technology Analyst	\$3,432.55	\$4,505.22
Senior Network Administrator	\$3,785.53	\$4,968.51
Senior Planner/Scheduler	\$3,648.47	\$4,788.62
Senior Process Engineer	\$4,144.15	\$5,439.20
Storekeeper I	\$2,953.54	\$3,590.06
Storekeeper II	\$3,101.22	\$3,769.55
Technical Training Program Manager	\$3,625.89	\$4,758.98
Utility Worker	\$2,267.32	\$2,755.94

Board of Directors: Directors meet or serve in their official capacity 3 – 12 times per month with a maximum of six paid meetings/month at a rate of \$212.10 per meeting and are paid for a maximum of one meeting per day.

Approved by: _____
 President, Board of Directors

Date: _____



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

David M. O'Hara
Attorney

DATE: April 6, 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. 9 - Meeting of April 13, 2015
Award the Construction Contract for the Newark Backyard Sanitary Sewer Relocation Project – Phase 2 to Ranger Pipelines, Inc.

Recommendation

Award the construction contract for the Newark Backyard Sanitary Sewer Relocation Project – Phase 2 to Ranger Pipelines, Inc. in the amount of \$2,085,270. Funds for the Project have been budgeted in the Renewal and Replacement Fund.

Background

The purpose of the Newark Backyard Sanitary Sewer Replacement Project is to improve the existing gravity sewer system within the residential neighborhood located northerly of the intersection of Dairy Avenue and Cherry Street in the City of Newark. The existing sewers are only 6 inches in diameter, have very flat slopes, and require frequent maintenance. The sewers are also located in backyard easements and are very difficult to access for maintenance and inspection. The goal of the project is to relocate the existing backyard sewer mains and laterals to the public streets fronting the homes.

The Newark Backyard Sanitary Sewer Relocation Project Phase 2 is the second phase of the three-phase project to relocate the sanitary sewer mains in the Flat Tops area. In Phase 1, 33 sewer laterals were relocated to the Dairy Avenue and Cherry Street. Phase 2 includes the relocation of 93 sanitary sewer laterals to new sanitary sewer mains that will be constructed within George Avenue, Jennifer Street, Deborah Street,

Leone Street and parts of Zulmida Avenue and Noel Avenue. A vicinity map showing the project area is attached.

Scope of Work

The Project consists of the following major work items:

- Construction of approximately 3,755 linear feet of 8-inch diameter sanitary sewer by open-cut method.
- Installation of 4-inch diameter sanitary sewer laterals, primarily by horizontal directional drilling (HDD) for 93 residences.
- Connection of existing concrete encased front yard sanitary sewer laterals to new sanitary sewer mains for 10 residences.
- Removal of approximately 475 linear feet of existing 6-inch diameter sanitary sewer.
- Abandonment of approximately 3,535 linear feet of existing 6-inch diameter sanitary sewer.
- Construction of 12 standard sanitary sewer manholes.
- Removal of 11 sanitary sewer manholes/risers and abandonment of 8 sanitary sewer manholes/risers in place.

Bid Results

The project was advertised for bids on March 3, 2015 and then again on March 10, 2015. Two bids were received and opened on March 31, 2015 with the total bid amounts shown as follows:

Contractor	Total Base Bid Amount
Ranger Pipelines, Inc.	\$2,085,270.00
K.J. Woods Construction, Inc.	\$2,088,000.00

The engineer's estimate for the Project was \$2,574,000. A bid tabulation sheet is attached.

Seven prospective bidders attended the mandatory pre-bid meeting on March 19, 2015, yet only two bids were received. One contractor couldn't meet the horizontal directional drilling (HDD) experience qualification required. Another contractor felt their bid would not be competitive. Other contractors did not submit bids due to conflicts with their own construction schedules.

Ranger Pipelines, Inc. Bid

Ranger Pipelines, Inc. submitted the apparent low bid of \$2,085,270 that is approximately 9.0% below the Engineer's Estimate of \$2,574,000. Ranger Pipeline's bid is only \$2,730 more than the bid submitted by the second bidder, K.J. Woods Construction. District staff reviewed the bid documents submitted by Ranger Pipelines, Inc. and found them to be in order. Ranger Pipelines, Inc.'s contractor license is current and active. Ranger Pipelines, Inc. has completed multiple capital improvement projects in other public agencies and for the District over the past several years. The most recent project completed for the District was the Newark Backyard Sanitary Sewer Relocation Project - Phase 1. The project was completed within the contract time allowed with minimal change orders totaling 0.5% of the construction contract amount. Staff was satisfied with their work performance for the project.

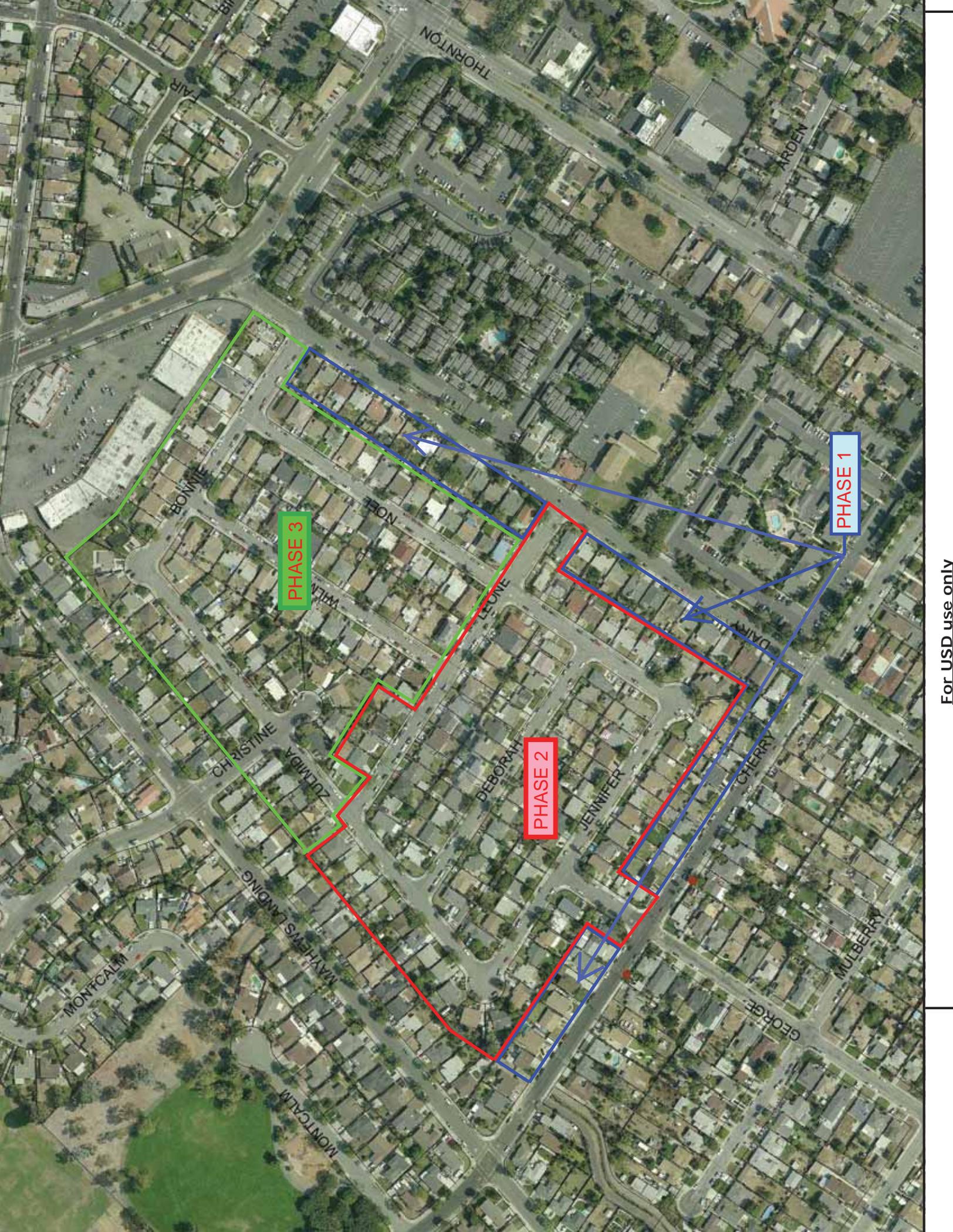
Construction

The contractor has 150 consecutive calendar days to complete the project from Notice to Proceed, which puts the estimated substantial completion date in late September 2015. Project design was completed by West Yost Associates in March 2015. Full time construction management and inspection will be provided from an outside consultant yet to be selected.

Ranger Pipelines has verified and confirmed the bid with staff and there has been no bid protest received from the other bidder. Staff recommends that the Board award the construction contract for the Newark Backyard Sanitary Sewer Replacement Project – Phase 2 to Ranger Pipelines, Inc. in the amount of \$2,085,270.

PRE/SEG/RRA/ADB:ks

Attachments: Vicinity Map
Bid Tab Sheet



PHASE 1

PHASE 2

PHASE 3

Newark Backyard Sewer Relocation Project - Phase 2
Project No. 800-436
March 31, 2015

Item	Description	Unit	Estimated Quantity	Engineers Estimate		Ranger Pipelines, Inc.		K.J. Woods Const., Inc.		Statistics of Unto Prices		
				Unit Price	Total Bid Price	Unit Bid Price	Total Bid Price	Unit Bid Price	Total Bid Price	High	Low	Average
1	Mobilization/Demobilization	LS	1	\$ 121,000.00	\$ 121,000.00	\$ 50,000.00	\$ 50,000.00	\$ 65,000.00	\$ 65,000.00	\$ 65,000.00	\$ 50,000.00	\$ 57,500.00
2	Construct 8-inch Diameter SDR-26 PVC Sanitary Sewer by Open-Cut Method	LF	3175	\$ 209.00	\$ 635,000.00	\$ 222.00	\$ 704,850.00	\$ 245.00	\$ 777,875.00	\$ 245.00	\$ 222.00	\$ 233.50
3	Construct 8-inch Diameter C-900 DR-14 PVC Sanitary Sewer by Open-Cut Method	LF	230	\$ 205.00	\$ 47,150.00	\$ 260.00	\$ 59,800.00	\$ 260.00	\$ 59,800.00	\$ 260.00	\$ 260.00	\$ 260.00
4	Remove and Replace Existing 6-inch Diameter Concrete Encased Sanitary Sewer with 8-inch Diameter SDR-26 PVC Sanitary Sewer by Open-Cut Method	EA	450	\$ 220.00	\$ 99,000.00	\$ 260.00	\$ 117,000.00	\$ 270.00	\$ 121,500.00	\$ 270.00	\$ 260.00	\$ 265.00
5	Sanitary Sewer Lateral Replacement (Single Connections) by HDD Method	EA	82	\$ 12,500.00	\$ 1,025,000.00	\$ 10,000.00	\$ 820,000.00	\$ 7,000.00	\$ 574,000.00	\$ 10,000.00	\$ 7,000.00	\$ 8,500.00
6	Sanitary Sewer Lateral Replacement (Multiple Connections) by HDD Method	EA	6	\$ 13,500.00	\$ 81,000.00	\$ 11,500.00	\$ 69,000.00	\$ 8,000.00	\$ 48,000.00	\$ 11,500.00	\$ 8,000.00	\$ 9,750.00
7	Sanitary Sewer Lateral Replacement for 36552, 36560, 36568, 36576, and 36584 Leone Street by Open-Cut Method	EA	5	\$ 15,000.00	\$ 75,000.00	\$ 11,000.00	\$ 55,000.00	\$ 12,000.00	\$ 60,000.00	\$ 12,000.00	\$ 11,000.00	\$ 11,500.00
8	Connect Existing Concrete Encased Front Yard Sanitary Sewer Lateral to New Sanitary Sewer Main	EA	10	\$ 5,000.00	\$ 50,000.00	\$ 1,000.00	\$ 10,000.00	\$ 800.00	\$ 8,000.00	\$ 1,000.00	\$ 800.00	\$ 900.00
9	Construct Standard Sanitary Sewer Manhole	EA	12	\$ 8,500.00	\$ 102,000.00	\$ 6,000.00	\$ 72,000.00	\$ 7,000.00	\$ 84,000.00	\$ 7,000.00	\$ 6,000.00	\$ 6,500.00
10	Connect to and Modify Existing Sanitary Sewer Manhole	EA	1	\$ 3,000.00	\$ 3,000.00	\$ 500.00	\$ 500.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 500.00	\$ 1,250.00
11	Remove Existing Sanitary Sewer Manhole or Riser	EA	11	\$ 3,000.00	\$ 33,000.00	\$ 500.00	\$ 5,500.00	\$ 1,500.00	\$ 16,500.00	\$ 1,500.00	\$ 500.00	\$ 1,000.00
12	Abandon Existing Sanitary Sewer Manhole or Riser	EA	8	\$ 2,500.00	\$ 20,000.00	\$ 200.00	\$ 1,600.00	\$ 1,000.00	\$ 8,000.00	\$ 1,000.00	\$ 200.00	\$ 600.00
13	Remove Existing 6-inch Diameter Sanitary Sewer (Concrete Encased or Not Concrete Encased)	LF	475	\$ 100.00	\$ 47,500.00	\$ 10.00	\$ 4,750.00	\$ 120.00	\$ 57,000.00	\$ 120.00	\$ 10.00	\$ 65.00
14	Abandon Existing 6-inch Diameter Sanitary Sewer	LF	3535	\$ 5.00	\$ 17,675.00	\$ 2.00	\$ 7,070.00	\$ 5.00	\$ 17,675.00	\$ 5.00	\$ 2.00	\$ 3.50
15	Sewage Flow Control	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 5,000.00	\$ 7,500.00
16	Project Liaison	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 4,000.00	\$ 4,000.00	\$ 9,150.00	\$ 9,150.00	\$ 9,150.00	\$ 4,000.00	\$ 6,575.00
17	Traffic Control	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 6,000.00	\$ 6,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 6,000.00	\$ 8,000.00
18	Dewatering	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 2,000.00	\$ 3,500.00
19	Miscellaneous Pavement Replacement as Directed by Construction Manager	SF	5000	\$ 6.00	\$ 30,000.00	\$ 3.00	\$ 15,000.00	\$ 5.00	\$ 25,000.00	\$ 5.00	\$ 3.00	\$ 4.00
20	Remove and Replace Existing 15-inch Diameter Class III RCP Storm Drain by Open-Cut Method	LF	90	\$ 250.00	\$ 22,500.00	\$ 200.00	\$ 18,000.00	\$ 250.00	\$ 22,500.00	\$ 250.00	\$ 200.00	\$ 225.00
21	Cost for providing all shoring and bracing on all Bid Items above including but not limited to that as required by Sections 6700-6708 of the Labor Code	LS	1	\$ 50,000.00	\$ 50,000.00	\$ 20,000.00	\$ 20,000.00	\$ 78,000.00	\$ 78,000.00	\$ 78,000.00	\$ 20,000.00	\$ 49,000.00
22	City of Newark Encroachment Permit *	Allowance	1	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00
23	Over Excavate and Install Rock Ballast As Directed by the Construction Manager*	CY	80	\$ 60	\$ 4,800.00	\$ 40.00	\$ 3,200.00	\$ 50.00	\$ 4,000.00	\$ 50.00	\$ 40.00	\$ 45.00
Total					\$ 2,573,625.00		\$ 2,085,270.00		\$ 2,088,000.00			
Bid Adjustment					\$ -		\$ -		\$ -			
Total After Bid Adjustment					\$ 2,573,625.00		\$ 2,085,270.00		\$ 2,088,000.00			

* Original Engineer's Estimate was \$2,550,000 Estimate for Bid Items #22 was increased from \$10,000 to \$30,000 after coordination with City of Newark and updated in Addendum #1. Bid Item #23 was also added by Addendum #1.



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

David M. O'Hara
Attorney

DATE: April 7, 2015

MEMO TO: Board of Directors - Union Sanitary District

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

SUBJECT: Agenda Item No. 10 - Meeting of April 13, 2015
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

Recommendation

Staff recommends 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 (Project).

Background

On April 22, 2013, the Board authorized the General Manager to execute Task Order No. 3 with Carollo in the amount of \$475,677 for providing engineering services during construction of the Project. Carollo's scope of services included submittal review, response to contractor's requests for information (RFIs), preparation of clarification memoranda, meetings, site visits, and project management.

Due to the very complicated nature of the engine generator system, the contractor, D.W. Nicholson (DWN), had to coordinate many subsystems of the engine generators such as digester and natural gas piping; hot water pumps, heat exchangers, piping, instrumentation, and radiators; engine exhaust and heat recovery equipment; new 480-volt electrical switchgear in the Cogeneration Building; and field wiring of the engine generator equipment and controls.

The Project scope also included major underground construction elements, significant modifications to the plant's existing 12,000- and 480-volt electrical switchgears, and modifications to the plant's digester gas collection and scrubbing systems.

There were several construction contract change orders that added significant scope to the Project, which required additional engineering services from Carollo. For example, the new air permit issued by the Bay Area Air Quality Management District required the addition of oxidation catalysts on the engines' exhaust piping due to the lower carbon monoxide emissions limit. Another example is the PG&E interconnection agreement that required new protective devices on the plant's 12,000-volt switchgear to monitor the power from the engine generators and to prevent the export of power to PG&E's grid.

Amendment No. 1

This Project scope required detailed review and coordination of the contract plans, technical specifications, manufacturer's installation and testing requirements, and contractor's proposed installation means and methods. This resulted in additional engineering services effort by Carollo than what was originally scoped in Task Order No. 3. Carollo also provided start-up and training services to staff, which was not budgeted in Task Order No. 3, prior to the commissioning of the engine generator and digester gas conditioning systems.

The budget status of Task Order No. 3 is provided in the table below:

Task	Description	Task Not-to-Exceed Limit	Budget Expended	Budget Remaining
1.0	Submittal Review	\$231,706	\$307,903	\$(76,197)
2.0	RFIs	\$74,632	\$100,018	\$(25,386)
3.0	Clarification Memoranda	\$59,595	\$78,428	\$(18,833)
4.0	Informal RFIs	\$66,586	\$38,523	\$28,063
5.0	Meetings	\$13,693	\$19,906	\$(6,213)
6.0	Site Visits	\$12,602	\$13,669	\$(1,067)
7.0	Project Management	\$16,863	\$23,510	\$(6,648)
8.0	Start-up and Training (new task)	\$0	\$24,095	\$(24,095)
	Total	\$475,677	\$606,053	\$(130,376)

Carollo's Amendment No. 1 will add \$130,376 to the original Task Order No. 3 budget which will have a revised not-to-exceed amount of \$606,053. The table below compares the original assumptions and final quantities of some of the engineering services:

Engineering Service	Original Assumption	Final Quantity	% Increase
Submittal Review	135	294	118%
RFIs Response	90	147	63%
Clarification Memoranda	18	23	28%
Meetings and Site Visits	30	51	78%

The total amounts for the Project's agreement with Carollo are summarized in the table below:

Description	Amount
Task Order No. 1 – Predesign Services	\$208,846
Task Order No. 2 – Final Design Services	\$1,162,100
Task Order No. 3 – Engineering Services During Construction	\$475,677
Proposed Amendment No. 1 to Task Order No. 3 – Engineering Services During Construction	\$130,376
Total for this Agreement	\$1,976,999

Staff recommends 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.

PRE/SEG/RC:ks

Attachment: Amendment No. 1 to Task Order No. 3

**COGENERATION PROJECT
800-359**

AMENDMENT NO. 1 TO TASK ORDER NO. 3

**UNION SANITARY DISTRICT
AND
CAROLLO ENGINEERS, INC.**

This Amendment No. 1 to Task Order No. 3 (Amendment) is issued by the Union Sanitary District (District) and accepted by Carollo Engineers, Inc (Engineer), pursuant to the mutual promises, covenants, and conditions contained in the Agreement between the above named parties dated the 15th day of March 2011, associated with the Cogeneration Project (Project).

PURPOSE

The purpose of the Amendment is to increase the Not-to-Exceed limit for the Engineering Services During Construction (Task Order No. 3) budget. The budget increase is needed to compensate the Engineer for providing services that were beyond the original scope work of Task Order No. 3. The additional services were largely the result of significant unforeseen design issues and coordination with contractors, equipment suppliers, PG&E, and District that were required during the construction period to complete the Project. The Project is now substantially complete and there are no further Engineering services anticipated.

PROJECT COORDINATION

All work related to this Amendment were coordinated through the District's Project Manager, Raymond Chau.

ENGINEER'S SCOPE OF SERVICES

Exhibit A summarizes the subtasks completed and budget status for Task Order No. 3 and provides explanations for the budget over runs.

TASK 1.0 – SUBMITTAL REVIEW

Engineer's budget allowance is based on reviewing two hundred ninety-four (294) submittals at an average review time of eight (8) hours per submittal. This is an increase of one hundred fifty-nine (159) submittals above the original assumption of one hundred thirty-five (135) submittals.

TASK 2.0 – REQUEST FOR INFORMATION

Engineer's budget allowance is based on reviewing one hundred forty-seven (147) RFIs at an average review time of four (4) hours per RFI. This is an increase of fifty-seven (57) RFIs above the original assumption of ninety (90) RFIs.

TASK 3.0 – CLARIFICATION MEMORANDA

Engineer's budget allowance is based on preparing twenty-three (23) Clarification Memoranda at an average of sixteen (16) hours per Clarification Memoranda. This is an increase of five (5) Clarification Memoranda above the original assumption of eighteen (18) Clarification Memoranda.

TASK 5.0 – MEETINGS and TASK 6.0 – SITE VISITS

Engineer's budget allowance is based on Engineer attending fifty-one (51) meetings and site visits at an average of four (4) hours for each meeting and site visit. This is an increase of twenty-one (21) above the original assumption of thirty (30) meetings and site visits.

TASK 7.0 – PROJECT MANAGEMENT

Engineer's budget allowance is increased by \$6,648 for a total of \$23,510 for this task.

TASK 8.0 – START-UP AND TRAINING

Engineer shall prepare start-up and operational documents and provide training to District staff on the new cogeneration and digester gas conditioning systems. The training information shall provide District staff the project background, design criteria, and impacts to the existing digester gas and hot water piping systems. In addition, Engineer shall provide information on the Self-Generation Incentive Program so that staff can gain understanding on the operational parameters and goals of the program in order to qualify for the grant money.

Engineer's budget allowance shall be \$24,095 for this task.

PAYMENT TO ENGINEER

The previously approved Not-to-Exceed limit for Task Order No. 3 was \$475,677. As shown in Exhibit A, a total of \$606,053 in engineering services was required to complete the work, which is \$130,376 above the Not-to-Exceed limit. This Amendment increases the Not-to-Exceed limit for Task Order No. 3 to \$606,053 to compensate the Engineer for work performed beyond the original scope of work.

The following table summarizes all task orders and amendments, if any, previously executed under the Agreement.

Task Order/Amendment	Not to Exceed Amount	Board Authorization Required? (Yes/No)	District Staff Approval
Task Order No. 1 – Pre-design Services	\$208,846	Yes	Richard Currie
Task Order No. 2 – Final Design Services	\$1,162,100	Yes	Richard Currie
Task Order No. 3 – Engineering Services During Construction	\$475,677	Yes	Richard Currie
Amendment No. 1 to Task Order No. 3 – Additional Engineering Services During Construction	\$130,376	Yes	Paul R. Eldredge
Total	\$1,976,999		

EFFECTIVE DATE

This Amendment No. 1 to Task Order No. 3 is effective as of the ____ day of April 2015.

IN WITNESS THEREOF, duly authorized representatives of the District and the Engineer have executed this Amendment No. 1 to Task Order No. 3 evidencing its issuance by the District and acceptance by the Engineer.

CAROLLO ENGINEERS, INC.

UNION SANITARY DISTRICT

Accepted this _____ day of April 2015

By: _____

By: _____

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

EXHIBIT A - TASK ORDER NO. 3 BUDGET STATUS

Task	Description	Subtask Not-to-Exceed Limit	Budget Expended	Budget Remaining	Explanation
1.0	Submittal Review	\$ 231,706	\$ 307,903	\$ (76,197)	A total of 294 submittals reviews were required to complete the project. This is more than double the anticipated number of reviews included in the scope of work (135).
2.0	Requests for Information	\$ 74,632	\$ 100,018	\$ (25,386)	A total of 147 Requests for Information were required to complete the project. This is 57 more reviews than were included in the scope of work (90).
3.0	Clarification Memoranda	\$ 59,595	\$ 78,428	\$ (18,833)	A total of 23 Clarification Memoranda were required to complete the project. This is 5 more clarifications than were included in the scope of work (18).
4.0	Informal Requests for Information	\$ 66,586	\$ 38,523	\$ 28,063	
5.0	Meetings	\$ 13,693	\$ 19,906	\$ (6,213)	Carollo participated in approximately 51 meetings and site visits during the course of the project. This is almost double the number of site visits and meetings included in the scope of work (30).
6.0	Site Visits	\$ 12,602	\$ 13,669	\$ (1,067)	See explanation above for Task 5.0.
7.0	Project Management	\$ 16,863	\$ 23,510	\$ (6,647)	Due to the out of scope services described above, additional Project Management was required to complete the project beyond originally anticipated.
8.0	Start-up and Training	\$ -	\$ 24,095	\$ (24,095)	Start-up and Training services were provided at the District's request but have not yet been incorporated into the Task Order No. 3.
	Totals	\$ 475,677	\$ 606,053	\$ (130,376)	



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Paul Eldredge
*General Manager/
District Engineer*

David M. O'Hara
Attorney

DATE: April 6, 2015

MEMO TO: Board of Directors - Union Sanitary District

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

SUBJECT: Agenda Item No. 11- Meeting of April 13, 2015
Schedule a Public Hearing to Adopt Ordinance No. 36.03, Sewer Use Ordinance

Recommendation

Staff recommends the Board set the time and place for holding the public hearing to adopt revisions to Pretreatment Ordinance No. 36, at 7:00 p.m. on May 26, 2015, in the Boardroom at 5072 Benson Road, Union City.

The attached Notice of the time and place of the hearing will be published in the Argus newspaper on April 15 and April 22, 2015.

Background

Union Sanitary District Ordinance No. 36 provides requirements for restrictions on discharges to the sanitary sewer. This ordinance applies to industrial, commercial and residential dischargers and establishes the requirements for USD's pretreatment program to be in compliance with federal, state and local laws regulating discharges.

Whenever an Ordinance is revised, it is required to hold a public hearing to allow a forum for the public to comment on the proposed changes. The changes consist of adopting an ammonia local limit, changing the Ordinance name and incorporating a version convention, and, revising the Signature Requirement and Hazardous Waste Discharge Notification to reflect the current language in the Federal Regulations. A summary of the proposed revisions to Ordinance 36 are attached.

A Local Limits Assessment was completed in August 2012 to evaluate whether the existing local limits were sufficient to protect the Plant from exceeding effluent limitations contained in the District's National Pollutant Discharge Elimination System (NPDES) permits and enable the District to meet its other compliance and operational requirements and objectives.

Although the Local Limits Assessment findings concluded that a new local limit for ammonia was not immediately necessary, the Local Limits Assessment also recommended the District continue to assess the need for such a limit to prevent large increases in industrial loading of ammonia in the future, as happened in the past with a discharger that is no longer in the service area. In late 2012 and early 2013, the District conducted sampling for ammonia in industrial users' discharges, wastewater in residential and commercial areas, and in the Plant's anaerobic digesters in support of the consideration of a new ammonia local limit. Based on the results of this sampling, the District determined that a new ammonia local limit should be implemented to all permitted Industrial Users (IUs).

The ammonia local limit will be a concentration-based limit that will vary among IUs, with users divided into three tiers based on average discharge flow rate. Those users with the highest discharge flow rates will have lower ammonia limits, an approach intended to prevent any significant mass loading that could adversely impact the Plant. The local limit for dischargers with an average flow rate less than 10,000 gpd would be 225 mg/L; for dischargers with a flow rate between 10,000 and 25,000 gpd, the limit would be 150 mg/L; and for dischargers with a flow rate above 25,000 gpd, the limit would be 75 mg/L.

The new local limit will impact a small number of current IUs. The District will assist existing IUs in achieving compliance by offering technical guidance and, if necessary, granting compliance schedules that allow an IU to reach compliance over several years. The local limit for ammonia will be enforced using multi-sample averages.

In April and May of 2014, permitted Industrial Users (IU's) were invited to a meeting at the District to inform them of the proposed adoption of the new ammonia local limit. In July 2014, the Regional Water Quality Control Board (RWQCB) was notified of the District's intent on adopting the proposed ammonia local limit. Staff has not received any negative comments from the regulated IU's or the RWQCB regarding the adoption of the ammonia local limit.

Also, the name, Pretreatment Ordinance and Technically Based Local Limits Ordinance No. 36, will be changed to Sewer Use Ordinance No. 36.03. The change in name will help clarify that the Ordinance applies to Residential, Commercial and Industrial users, not just Industrial User's as the current ordinance title might suggest.

In addition, version history is being incorporated into the name change and is reflected by the (.03) designation as the third version of the current ordinance. The first version (36.01) was the initial adoption of Ordinance 36 on February 1994 and the second (36.02) was the 2008 revision. This version history protocol is identical to the current

process used for revising other District ordinances. This process will also reflect the Board Resolution number that authorized this change.

Additional minor changes to Ordinance 36 are outlined in the attached Summary of the Proposed Revisions to Pretreatment Ordinance and Technically Based Local Limits Ordinance No. 36.

The District is proposing to publish in the Argus, two Notices of Public Hearing, on April 15 and April 22, 2015, notifying the public that the Board of Directors of Union Sanitary District will consider adoption of the above mentioned revisions to Ordinance No. 36. A copy of Ordinance No. 36 with the proposed changes will be posted on USD's web page under the "What's New" tab, for the public to review.

PRE/SEG/MD/AP:av

Attachments:

Summary of the Proposed Revisions to Pretreatment Ordinance and Technically Based Local Limits Ordinance No. 36.

Notice of Public Hearing for Ordinance 36 Name Modification and Addition of the New Ammonia Local Limit

Summary of the Proposed Revisions to Pretreatment Ordinance and Technically Based Local Limits Ordinance No. 36

The proposed changes to Pretreatment Ordinance 36 are as follows. Additions are shown underlined and deletions are shown with ~~strikethrough~~.

- 1) The name of the Sewer Use Ordinance will be changed from Pretreatment Ordinance and Technically based Local Limits Ordinance No. 36 to Sewer Use Ordinance No. 36.03. The change in name of the Ordinance will help all Users subject to the Ordinance understand that it applies to residential, commercial and industrial users. Additionally, the change incorporates version history, which reflects similar ordinance update protocols used by other departments within USD. This change in name will be applied throughout the Ordinance.
- 2) **Section No. 36.03 § 2.10 Limitations on Wastewater Strength** is being revised to add language for the new ammonia local limit to control future ammonia loadings from current and future Industrial User's (IU's).

Section 2.10(b)(1)

“(b) The following pollutant limits are established to protect against Pass Through and Interference. ~~No person shall discharge wastewater containing in excess of:~~

- (1) The following limits are maximum allowable discharge limits (the maximum concentration of a pollutant allowed to be discharged at any time, determined from the analysis of any discrete or composite sample collected, independent of the industrial flow rate and the duration of the sampling event). Limits for metals are for total recoverable metals.

No person shall discharge wastewater containing in excess of:

Arsenic	0.35	mg/L
Cadmium	0.2	mg/L
Copper	2.0	mg/L
Cyanide	0.65	mg/L
Lead	1.0	mg/L
Mercury	0.01	mg/L
Nickel	1.0	mg/L
Silver	0.5	mg/L
Total Chromium	2.0	mg/L
Zinc	3.0	mg/L

TTO	2.13	mg/L
Formaldehyde	50.0	mg/L
Phenols	5.0	mg/L

- having a temperature higher than 150° F (65.5° C), or any thermal discharge which as a result of temperature and/or volume causes the influent of the wastewater treatment plant to exceed 104° F (40° C);
- containing more than 300 mg/L of oil or grease of animal or vegetable origin, unless specifically approved by the District. The District may approve, on a case by case basis, a modification to the analytical method if the discharger can demonstrate that constituents in their wastewater interfere with the freon extraction, hexane extraction or current EPA approved procedure and have no negative impact on the POTW and/or receiving waters.
- containing more than 100 mg/L of oil or grease of mineral or petroleum origin;
- having a pH lower than 6.0 or higher than 12.0 units, or otherwise causing corrosive structural damage to the collection system, POTW or equipment, unless specifically approved by the District. Under no circumstances will a pH of less than 5.0 or higher than 12.5 pH units be approved.

~~The above limits apply at the point where the wastewater is discharged to the POTW and are maximum allowable discharge limits (the maximum concentration of a pollutant allowed to be discharged at any time, determined from the analysis of any discrete or composite sample collected, independent of the industrial flow rate and the duration of the sampling event)....~~

Section 2.10(b)(2)

“(2) The following limits for ammonia are maximum allowable average concentrations. Limits are for total ammonia expressed as nitrogen. Limits are tiered based on average daily flow, which is the arithmetic average of the permitted industrial user’s daily flows for the preceding calendar year and is equivalent to the flow rate used in establishing sewer service charges:

<u>Average Daily Flow</u>	<u>Ammonia Limit</u>
<u><10,000 gallons per day (gpd)</u>	<u>225 mg/L as N</u>
<u>10,000 – 25,000 gpd</u>	<u>150 mg/L as N</u>
<u>>25,000 gpd</u>	<u>75 mg/L as N</u>

Compliance determination shall be based on the average of all valid and representative analyses occurring within a 6-month period

For industrial users holding permits issued prior to January 1, 2014, the Manager may issue compliance schedules for ammonia as described in Sections 6.09 and 6.10. In no case may these compliance schedules exceed 5 years. All new permitted industrial users must comply with these limits upon initial discharge...

- 3) **Section No. 36.03 § 4.16 Signature Requirement** is being revised to reflect the current language pursuant to Title 40 Protection of the Environment of the Code of Federal Regulations (CFR) 403.12 (l) Signatory requirements for Industrial User Reports.

Section 4.16(a)(1)(ii)

~~“ the manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures...”~~

Section 4.16(a)(4)

“If an authorization under paragraph ~~(e)~~ (3) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for environmental matters for the company, a new authorization satisfying the requirements of paragraph ~~(e)~~ (3) of this section must be submitted to the Agency prior to or together with any reports to be signed by an authorized representative.”

- 4) **Supplement: Hazardous Waste Discharge Notification** is being revised to reflect the current language pursuant to Title 40 Protection of the Environment of the Code of Federal Regulations (CFR) 403.12 (p) Hazardous Waste Discharge Notification.

~~“a. Any user who commences the discharge of hazardous waste~~ 1. The Industrial User shall notify the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities, in writing, of any discharge into the POTW of a substance which, if otherwise disposed of, would be a hazardous waste under 40 CFR Part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR Part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the user discharges more than one hundred (100) kilograms of such waste per calendar month to the POTW, the notification also shall contain the following information to the extent such information is known and readily available to the Industrial User: an identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve (12) months. All notifications must take place ~~no later than~~ within one hundred and eighty (180) days ~~after the discharge commences~~ of the effective date of this rule. Industrial Users who commence discharging after the effective date of this rule shall provide the notification no later than 180 days after the discharge of the listed or characteristic hazardous waste. Any notifications under this paragraph need be submitted only once for each hazardous waste discharged. However, notifications of changed ~~conditions~~ discharges must be submitted under 40 CFR 403.12 (j) (Section 4.49 20 of this ordinance). The notification requirement in this section does not apply to pollutants already reported ~~by users subject to categorical pretreatment standards~~ under the self-monitoring requirements of 40 CFR 403.12 (b), (d) and (e)...”

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, 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



Directors
Tom Handley
Manny Hernandez
Pat Kite
Anjali Lathi
Jennifer Toy

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

David M. O'Hara
Attorney

DATE: April 3, 2015

MEMO TO: Board of Directors – Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Rich Cortes, Business Services Manager
Maria Scott, Principal Financial Analyst

SUBJECT: Agenda Item No. 12 – Meeting of April 13, 2015
**Approve a Change Order to the Agreement with Raftelis
Financial Consultants, Inc. for the Sewer Service Charge Cost
of Service Study.**

Recommendation

Staff recommends that the Board approve Change orders No. 3 and 4 in the total amount of \$7,840 with Raftelis Financial Consultants, Inc. for the Sewer Service Charge Cost of Service Study.

Background

The purpose of the Cost of Service Study is to determine sewer service charges for the Prop. 218 Notice for rates beginning with FY17. The original budget for the Cost of Service study was \$100,000. The bid from Raftelis Financial Consultants, Inc. came in at \$71,960.

Change Order No. 3 is for inclusion of smoothing for all unit rates in the rate model and final report. Change order No. 4 is for model input revisions and feature changes required by the District for use of the new rate model.

The District anticipates completion of the study before June 30, 2015 in order to include information in the next Prop. 218 Notice this Summer or Fall for FY 2017 sewer service charge rates. Staff anticipates additional future costs for model training and potential Proposition 218 support.

The following table summarizes the current change orders.

Change Order No.	Description	Cost
1	Data Updates and Clean-up	\$3,800
2	Rate Model Training and Manual	\$6,274
3	Unit Rate Smoothing	\$3,530
4	Rate Model Input Revisions and Feature Changes	\$4,310
Total		\$17,914



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

David M. O'Hara
Attorney

DATE: April 6, 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 Arbolante, Customer Service Team Coach

SUBJECT: Agenda Item No. 13, Meeting of April 13, 2015
Resolution No. _____, 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 the Abandonment of the Force Mains Within the Wetlands Parcel for the Development

Recommendation

Adopt a resolution making responsible agency findings pursuant to the California Environmental Quality Act (CEQA) for the City of Newark Dumbarton Transit-Oriented Development Specific Plan Area and approving the abandonment of the District's force mains within the wetlands parcel for the development.

Background

In September 2011, the City of Newark approved the Dumbarton Transit-Oriented Development Specific Plan, which included the construction of up to 2,500 residential units, a neighborhood retail center, future transit station, and the necessary infrastructure to support these uses. A site map of the development is attached. The District owns and operates twin 33-inch diameter reinforced concrete force mains that convey wastewater flows from the Irvington Pump Station to the Alvarado Treatment Plant in Union City. The force mains traverse the development from south to north where it crosses an Alameda County Flood Control channel, then within an easement on a proposed wetlands parcel and within the Hickory Street right-of-way; then within an easement over two private properties; and finally crossing the City and County of San

Francisco (CCSF) right-of-way and the San Mateo County Transit right-of-way and connecting to the Newark Pump Station. William Lyon Homes (WLH) is the developer proposing to begin construction of 553 residential units for a portion of the development known as the Torian property. See the attached location map.

Part of the Torian property development involves the creation of a wetland preserve at the southwestern corner of the property in order to partially mitigate wetlands fill over areas of the Torian property. As shown on the location map, a portion of the USD force main runs beneath the proposed Wetland Reserve. As part of William Lyon Home's permitting for the Torian Project, the Regional Water Quality Control Board's 401 permit condition requires the developer to obtain authorization from the District Board that commits USD to allowing the force mains located beneath the Wetland Reserve to be abandoned in place with no ground disturbance within the Wetland Reserve.

William Lyon Homes has requested that the District agree to the relocation of the District's force mains beginning south of the Specific Plan area boundary, in Perrin Road near Willow Street concurrently with the development of Tract 8085. As shown on the location map, the new sewer force main pipe would cross the Alameda County Flood Control District ("ACFCD") F1 channel near Willow St., through Tract 8085, then within the existing Hickory Street right of way and within the existing District easement in the Integral Communities property and FMC properties. The new pipeline would continue north of the Specific Plan area through the CCSF right of way and San Mateo County Transit property to the existing Newark Pump Station.

District staff required WLH to submit a feasibility report to investigate the impacts of the development on the existing force mains. Some of major concerns investigated and addressed in the report included:

- Impacts from the proposed development and the construction of Hickory Street
- The feasibility of protecting the existing forcemains in place
- Evaluating force main relocation alternatives
- Force main operational constraints, including transferring of flows from the existing force mains to new force mains
- Maintenance impacts from shorter pipe radius bends

The feasibility report was extensively reviewed and a presentation was held at a special Board workshop on March 9, 2015. The conceptual relocation alignment has been agreed to by staff and WLH pending final design drawings, execution of a detailed encroachment agreement, and successful construction of the force main relocation. The agreement will provide for several important details such as:

- Design consultant cost responsibility (WLH)
- Contractor selection and cost responsibility (USD selection; WLH cost)

- Construction Management cost responsibility (WLH)
- Extended warranty for construction
- A construction work plan detailing protection of the existing force mains during construction
- Liability for all costs to repair any damage to the force mains as a result of construction operations (WLH)
- Comprehensive general liability insurance from any claims that may arise during construction
- Indemnification holding USD harmless for any and all liabilities arising from the construction of the force mains

Pursuant to the California Environmental Quality Act, (CEQA), as lead agency, the City of Newark certified the Dumbarton Transit-Oriented Development Specific Plan Environmental Impact Report (EIR) on September 8, 2011, and subsequently, approved an addendum to the Specific Plan EIR on February 28, 2013. Staff has determined that the Specific Plan EIR is adequate, complies with the mandates of CEQA and the CEQA Guidelines, and fully discloses and analyzes the environmental effects of the Dumbarton Transit-Oriented Development project. The EIR anticipated that the mains within the Hickory Street right of way may be replaced and that improvements to the main within Willow Street might also occur, and included mitigation measures. The Specific Plan EIR assumed complete disturbance of the parcels within the Specific Plan under which the force main relocation would occur. The force main relocation would not disturb the Alameda County Flood Control District (ACFCD) F-1 channel because probable construction methods would not require any ground disturbance within the ACFCD right of way. The construction of the force main relocation project would occur concurrently with construction of the Torian property. Therefore, the relocation of the force mains, including the portions located adjacent to the Specific Plan Area, is not anticipated to create any new significant environmental impacts or substantially worsen or increase the severity of impacts already identified. Pursuant to CEQA Guidelines Section 15091 and 15096 and CEQA, the District is a responsible agency and must make certain findings prior to project approval.

By adopting the proposed resolution, the District would commit itself to satisfying the Regional Water Quality Control Board condition on William Lyon Homes of abandoning the force mains in place in the Wetland Reserve with no ground disturbance in the Wetland Reserve.

Staff recommends the Board adopt the attached resolution making responsible agency findings pursuant to CEQA for the City of Newark Dumbarton Transit-Oriented Development Specific Plan Area, and approve the abandoning of the force mains within

Agenda Item No. 13
Meeting of April 13, 2015
Page 4

the wetlands parcel for the development subject to the review and approval of final construction drawings and execution of an encroachment agreement for the relocation of the force mains, and the successful construction of said relocated force mains.

PRE/SEG/RA:ks

Attachments: Resolution
Location Map
Dumbarton TOD Site Map

RESOLUTION NO. _____

**A RESOLUTION MAKING RESPONSIBLE AGENCY FINDINGS
PURSUANT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT
FOR THE CITY OF NEWARK DUMBARTON TRANSIT-ORIENTED
DEVELOPMENT SPECIFIC PLAN AREA, AND
APPROVING THE ABANDONMENT OF THE FORCE MAINS WITHIN
THE WETLANDS PARCEL FOR THE DEVELOPMENT**

WHEREAS, The City of Newark (the “City”) is the lead agency pursuant to the California Environmental Quality Act (“CEQA”) (Pub. Resources Code, § 21000 et seq.) and the CEQA Guidelines (14 Cal. Code Regs., § 15000 et seq.); and

WHEREAS, The City certified the Dumbarton Transit-Oriented Development Specific Plan Environmental Impact Report (State Clearinghouse Number 2010042012) (“Specific Plan EIR”), adopted a statement of overriding considerations for the significant and unavoidable impacts identified therein, and approved a mitigation monitoring and reporting program on September 8, 2011; and

WHEREAS, The Specific Plan EIR analyzed the impacts of development that will occur on many different parcels owned by various entities within the 205-acre Specific Plan area, including the Torian parcels at issue for the project; the EIR analyzed the impacts of the construction and operation of 583 residential units on the Torian parcels; and

WHEREAS, The District owns and operates twin 33-inch reinforced concrete pipe force mains that are designed to convey Peak Wet Weather Flows of 15.6 Million Gallons per Day from the Irvington Pump Station to the District’s treatment plant in Union City. The District force mains traverse the City of Newark’s Dumbarton Transit-Oriented Development Specific Plan area from south to north within existing easements and right of ways; and

WHEREAS, relying on the Specific Plan EIR, on November 29, 2012, the City approved Tentative Tract Map 8085 for a 553 residential unit development on the Torian parcels (the “Torian Project”). On February 28, 2013 the City approved an addendum to the Specific Plan EIR to analyze minor revisions to the Torian Project, which included a contemplated wetland connection through, and the abandonment of, Hickory Street and a total of 547 units, and other minor site plan revisions (“Addendum”); and

WHEREAS, as part of the Torian Project, a wetland preserve will be created and managed in perpetuity for the benefit of the ecological and habitat values of the area (the “Wetland Reserve”). As shown on Location Map, which is incorporated herein by reference, a portion of the USD force main runs beneath the Wetland Reserve. As a condition of the development under the Regional Water Quality Control Board (Water Board) 401 permit, the Water Board has required the developer to submit authorization by the Union Sanitary District Board to allow portions of the USD force mains running

beneath the Wetland Reserve to be abandoned in place (RWQCB Site No. 02-01-C1123(BKW)). By passing this resolution, the District intends to commit itself to satisfying this condition; and

WHEREAS, William Lyon Homes has requested, consistent with RWQCB Site No. 02-01-C1123(BKW), that the District abandon in place the existing force mains and replace them with new force mains beginning south of the Specific Plan area boundary, in Perrin Road near Willow Street. The new sewer force main pipe would go under the Alameda County Flood Control District (“ACFCD”) F1 Channel, through Tract 8085, then within the existing Hickory Street right of way and within the existing District easement in the Integral Communities property and FMC properties. The new pipeline would continue north of the Specific Plan area through the Hetch Hetchy right of ways and San Mateo County Transit property to the existing Newark Pump Station; and

WHEREAS, pursuant to CEQA Guidelines Sections 15091 and 15096 and CEQA, the District is a responsible agency and must therefore make certain findings prior to approval of the abandonment. All of the procedures of CEQA and the CEQA Guidelines have been met, and the Specific Plan EIR as modified by the Addendum (together, “Specific Plan EIR”) is sufficiently detailed so that all the potentially significant effects of the project on the environment and measures necessary to avoid or substantially lessen such effects have been evaluated in accordance with the CEQA and the CEQA Guidelines. All of the findings and conclusions made by the Board pursuant to this Resolution are based upon the oral and written evidence presented to it as a whole and not based solely on the information provided in this Resolution; and prior to taking action has reviewed and considered the administrative record. All other legal prerequisites to the adoption of this Resolution have occurred.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

- That the Board, acting as a responsible agency under CEQA, has considered the EIR as prepared by the City of Newark as lead agency and has determined that the Specific Plan EIR is adequate, complies with the mandates of CEQA and the CEQA Guidelines, and fully discloses and analyzes the environmental effects of the Dumbarton Transit-Oriented Development project ; and
- That the General Manager is directed to file a Notice of Determination as provided in Sections 15094 and 15096(i) of the State CEQA Guidelines; and
- That the District approves the abandonment of the force mains within the wetlands parcel, subject to the review and approval of final construction drawings and agreement for the relocation of the force mains, and the successful construction of said relocated force mains.

On motion duly made and seconded, this resolution was adopted by the following vote on April 13, 2015:

AYES:

NOES:

ABSENT:

ABSTAIN:

MANNY FERNANDEZ
President, Board of Directors
Union Sanitary District

Attest:

TOM HANDLEY
Secretary, Board of Directors
Union Sanitary District



Above: Figure 1.2: Local Context with site shown outlined in red; Map provided by Google

**UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157078	3/26/2015	800394.7	GSE CONSTRUCTION CO INC	THICKENER CONTROL BLDG IMPROV PHASE II	\$1,042,285.85	\$1,042,285.85
157067	3/26/2015	36036	DW NICHOLSON CORP	COGENERATION PROJECT	\$295,238.03	\$295,238.03
157140	4/2/2015	4296	DW NICHOLSON CORP	PRIMARY DIGESTER #5 REHABILITATION	\$175,581.86	\$175,581.86
157112	3/26/2015	2026836	WEST YOST & ASSOCIATES	REVIEW FM RELOCATION NEAR HICKORY STREET	\$885.50	\$107,694.30
	3/26/2015	2026839		PINE STREET EASEMENT	\$6,377.00	
	3/26/2015	2026835		NEWARK BACKYARD SS RELOCATION - PHASE 2	\$44,806.15	
	3/26/2015	2026837		ALVARADO-NILES ROAD SS REHABILITATION	\$42,184.50	
	3/26/2015	2026838		PLANT FACILITIES IMPROVEMENTS	\$13,441.15	
157183	4/2/2015	30103180	SYNAGRO WEST LLC	JANUARY 2015 BIOSOLIDS DISPOSAL	\$55,179.05	\$101,922.90
	4/2/2015	30103249		FEBRUARY 2015 BIOSOLIDS DISPOSAL	\$46,743.85	
157079	3/26/2015	800394.7E	GSE CONSTRUCTION CO INC	THICKENER CONTROL BLDG IMPROV PHASE II - ESCROW PYMT	\$54,857.15	\$54,857.15
157062	3/26/2015	201303510	COVELLO GROUP INC	THICKENER CONTROL BUILDING IMPROVEMENTS PHASE II	\$36,422.23	\$52,582.73
	3/26/2015	201300824		COGENERATION PROJECT	\$16,160.50	
157126	4/2/2015	140218	CAROLLO ENGINEERS	THICKENER CONTROL BUILDING IMPROVEMENTS PHASE II	\$44,158.91	\$44,158.91
157097	3/26/2015	170120150311	PACIFIC GAS AND ELECTRIC	SERV TO 02/25/15 PLANT	\$39,573.71	\$39,573.71
157034	3/19/2015	949081	POLYDYNE INC	23,400 LBS CLARIFLOC C-6267	\$25,623.00	\$25,623.00
157142	4/2/2015	902067296	EVOQUA WATER TECHNOLOGIES	2,317 GALS HYDROGEN PEROXIDE	\$10,757.37	\$22,355.08
	4/2/2015	902058736		2,498 GALS HYDROGEN PEROXIDE	\$11,597.71	

UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157074	3/26/2015	20154489	G3 ENGINEERING INC	1 EA EVOQUA WATER CHAMP FX 15	\$21,263.00	\$21,263.00
157185	4/2/2015	13760	TRC ENERGY SERVICES INC	PLANT-WIDE LIGHTING STUDY	\$19,586.74	\$19,586.74
157033	3/19/2015	7017	HENSEL PHELPS	REFUND # 17923	\$17,009.44	\$17,009.44
157066	3/26/2015	88622	DEGENKOLB ENGINEERS	SEISMIC STUDY	\$15,415.00	\$15,415.00
157173	4/2/2015	19489	RMC WATER AND ENVIRONMENT	IRVINGTON BASIN SEWER MASTER PLAN UPDATE	\$11,607.50	\$15,063.65
	4/2/2015	19471		HAYWARD MARSH REHABILITATION OPTIONS	\$3,456.15	
157024	3/19/2015	10926360	KRONOS INC	CLOUD HOSTING BASE & EMPLOYEE FEES 11/13/14 - 11/12/15	\$13,800.00	\$13,800.00
157051	3/26/2015	11385	ALAMEDA COUNTY WATER DISTRICT	JARVIS AVENUE SS REPLACEMENT (MISC SS SPOT REPAIRS - PH	\$13,021.22	\$13,021.22
157164	4/2/2015	201503	NICHOLAS J PEROS	SCADA MASTER PLAN & SCADA STANDARDS	\$12,944.18	\$12,944.18
157041	3/19/2015	13871	SYSTEMATES INC	PROJECTMATES TRAINING & ESCALATED SUPPORT	\$12,180.00	\$12,180.00
157086	3/26/2015	9017437015	KEMIRA WATER SOLUTIONS, INC.	7.70 DRY TONS FERROUS CHLORIDE	\$5,035.80	\$9,855.78
	3/26/2015	9017436378		7.37 DRY TONS FERROUS CHLORIDE	\$4,819.98	
157048	3/26/2015	63331	3T EQUIPMENT COMPANY INC	15 PIPEPATCH KIT - WINTER	\$9,362.25	\$9,362.25
157096	3/26/2015	815698	PACHECO BROTHERS GARDENING INC	TREE TRIMMING & REMOVAL	\$6,980.00	\$9,260.00
	3/26/2015	XCTZ00J		WEED ABATEMENT WORK MAR 2015	\$915.00	
	3/26/2015	XCTZ00I		LANDSCAPE MAINTENANCE SERVICES MAR 2015	\$1,365.00	
157124	4/2/2015	11236378	BROWN & CALDWELL CONSULTANTS	ODOR CONTROL STUDY UPDATE	\$840.59	\$9,096.41
	4/2/2015	11236525		ALVARADO POTABLE WATER TANK/USE STUDY	\$8,255.82	

**UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157117	4/2/2015	4071036120150318	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 03/18/15-BENSON ROAD	\$8,337.96	\$8,582.81
	4/2/2015	4071037120150318		SERV TO: 03/18/15-BENSON ROAD	\$188.90	
	4/2/2015	4071038120150318		SERV TO: 03/18/15-BENSON ROAD	\$55.95	
157137	4/2/2015	23084	DOUGLAS PRODUCTS AND PACKAGING	24 SAMAF0AM VAPOR00TER II, GALLON	\$7,910.78	\$7,910.78
157055	3/26/2015	761	AUTOMATED NETWORK CONTROLS	SCADA / PLC PROGRAMMING SERVICES	\$5,144.11	\$7,803.61
	3/26/2015	772		SCADA / PLC PROGRAMMING SERVICES	\$2,659.50	
157031	3/19/2015	20150303	DAVID M O'HARA ATTY AT LAW	GENERAL LEGAL - FEB 2015	\$7,003.50	\$7,686.00
	3/19/2015	97720150303		CIP LEGAL - FEB 2015	\$682.50	
157127	4/2/2015	140270	CAROLLO ENGINEERS	HIGH SPEED AERATION BLOWER	\$7,253.89	\$7,253.89
157044	3/19/2015	670073	UNIVAR USA INC	5,000 GALS SODIUM HYPOCHLORITE	\$2,311.00	\$6,933.92
	3/19/2015	669750		5,002 GALS SODIUM HYPOCHLORITE	\$2,311.92	
	3/19/2015	669781		5,000 GALS SODIUM HYPOCHLORITE	\$2,311.00	
157108	3/26/2015	670686	UNIVAR USA INC	5,002 GALS SODIUM HYPOCHLORITE	\$2,311.92	\$6,933.00
	3/26/2015	670688		5,000 GALS SODIUM HYPOCHLORITE	\$2,311.00	
	3/26/2015	671063		4,998 GALS SODIUM HYPOCHLORITE	\$2,310.08	
157143	4/2/2015	149	FORMULA DESIGN	PUBLIC WEBSITE IMPROVEMENTS	\$6,000.00	\$6,000.00
157113	3/26/2015	3429433	WESTERN ENERGY SYSTEMS	1 COGEN 2,000 HOUR SERVICE	\$2,970.53	\$5,941.06
	3/26/2015	3429432		1 COGEN 2,000 HOUR SERVICE	\$2,970.53	
157168	4/2/2015	951740	POLYDYNE INC	42,360 LBS CLARIFLOC WE-539	\$5,566.10	\$5,566.10

**UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157155	4/2/2015	9017438251	KEMIRA WATER SOLUTIONS, INC.	8.21 DRY TONS FERROUS CHLORIDE	\$5,369.34	\$5,369.34
157023	3/19/2015	9017435632	KEMIRA WATER SOLUTIONS, INC.	7.42 DRY TONS FERROUS CHLORIDE	\$4,852.68	\$4,852.68
157110	3/26/2015	15168	V&A CONSULTING ENGINEERS INC	NPS CORROSION INVESTIGATION	\$4,710.70	\$4,710.70
157186	4/2/2015	671966	UNIVAR USA INC	5,002 GALS SODIUM HYPOCHLORITE	\$2,311.92	\$4,646.95
	4/2/2015	672035		5,052 GALS SODIUM HYPOCHLORITE	\$2,335.03	
157063	3/26/2015	13084	CRANE WORKS INC	ANNUA HOIS MAINTANCE AND CERTIFICATOIN	\$4,420.00	\$4,420.00
157002	3/19/2015	499809	BRENTAG PACIFIC, INC.	2564 LBS SODIUM HYDROXIDE	\$1,416.95	\$4,250.84
	3/19/2015	499808		5128 LBS SODIUM HYDROXIDE	\$2,833.89	
157151	4/2/2015	7163	HERRERO BUILDERS INCORPORATED	REFUND #17955	\$3,952.50	\$3,952.50
157101	3/26/2015	262565	RKI INSTRUMENTS INC	LABOR & DIAGNOSTIC CHARGE EAGLE 2	\$375.68	\$3,737.21
	3/26/2015	262663		1 EAGLE LEL/OXY/HS/CO/CL2/NH3	\$3,212.03	
	3/26/2015	262953		1 BATTERY CHARGER & 1 BATTERY NI-CD	\$149.50	
157049	3/26/2015	7318215	ABC IMAGING, INC.	NEWARK BACKYARD SS RELOCATION - PHASE 2	\$3,582.01	\$3,582.01
156999	3/19/2015	21557	BEECHER ENGINEERING	STANDBY POWER SYSTEM UPGRADE	\$3,570.00	\$3,570.00
157035	3/19/2015	150225	PROSAFE	32 HRS INSPECTIONS & 3 HRS SPCC	\$3,500.00	\$3,500.00
156993	3/19/2015	5112501	ALL INDUSTRIAL ELECTRIC SUPPLY	1 CUTLER HAMMER	\$326.31	\$3,441.59
	3/19/2015	5112415		1 UYS MOTORS 180	\$213.53	
	3/19/2015	5112394		10 RECEPTICALES	\$2,901.75	
157077	3/26/2015	5536	GREAT CHINA INVESTMENT	REFUND # 17868	\$3,437.00	\$3,437.00

UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157106	3/26/2015	403806	TRACKER, A DIV OF C2, LLC	PORTFOLIO ACCOUNTING & REPORTING ANNUAL	\$3,420.00	\$3,420.00
157036	3/19/2015	7662	QOCHON	REFUND # 17924	\$3,300.00	\$3,300.00
157189	4/2/2015	20150401	VISION SERVICE PLAN - CA	APRIL 2015 VISION STMT	\$3,204.93	\$3,204.93
157018	3/19/2015	311273	HARRINGTON INDUSTRIAL PLASTICS	9 EA ADAPTERS	\$47.02	\$3,152.44
	3/19/2015	310210		3 EA CHECK VALVES	\$389.82	
	3/19/2015	311117		RENTAL OF PLASTIC FUSION MACHINE	\$1,357.80	
	3/19/2015	310252		RENTAL OF PLASTIC FUSION MACHINE	\$1,357.80	
157000	3/19/2015	78869	BIGGE CRANE & RIGGING CO	RIGGING OF BLOWER 7	\$2,930.00	\$2,930.00
157082	3/26/2015	311939	HARRINGTON INDUSTRIAL PLASTICS	RENTAL OF PLASTIC FUSION MACHINE	\$2,715.60	\$2,715.60
156992	3/19/2015	4017274120150304	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 03/03/15 - FREMONT BLVD	\$2,598.07	\$2,714.78
	3/19/2015	4017275220150304		SERV TO: 03/03/15 - FREMONT BLVD	\$80.93	
	3/19/2015	4017420220150304		SERV TO: 03/03/15 - FREMONT BLVD	\$35.78	
157054	3/26/2015	6276863	AT&T	SERV: 01/20/15 - 02/19/15	\$2,645.31	\$2,645.31
157160	4/2/2015	7561	MENSA LEARNING CORPORATION	REFUND #17985	\$2,500.00	\$2,500.00
157057	3/26/2015	502233	BRENTAG PACIFIC, INC.	1282 LBS SODIUM HYDROXIDE	\$708.46	\$2,338.17
	3/26/2015	502234		2849 LBS SODIUM HYDROXIDE	\$1,629.71	
157026	3/19/2015	24839997	MOTION INDUSTRIES INC	6 EA AIR FILTERS	\$521.70	\$2,267.45
	3/19/2015	24840110		2 EA BEARINGS	\$255.25	
	3/19/2015	24840502		1 EA IPS WET WELL SUPPLY FAN MOTOR	\$1,490.50	

UNION SANITARY DISTRICT
 CHECK REGISTER
 3/14/2015-4/03/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157001	3/19/2015	10821360	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$55.42	\$2,260.57
	3/19/2015	10616110		2 PK LTR INDEX	\$11.21	
	3/19/2015	10622270		ASTD OFFICE SUPPLIES	\$114.82	
	3/19/2015	10609180		1 HP TONER	\$197.03	
	3/19/2015	10618960		1 BX GTG CARD	\$14.22	
	3/19/2015	10617060		ASTD OFFICE SUPPLIES	\$16.72	
	3/19/2015	10589910		ASTD OFFICE/BREAKROOM SUPPLIES	\$415.48	
	3/19/2015	10609560		1 STANDING WORKSTATION	\$658.91	
	3/19/2015	10614760		1 CRG LAMINATE	\$87.59	
	3/19/2015	10617910		WORKSTATION FOR MICHELLE POWELL	\$681.09	
	3/19/2015	10622250		1 PK CARD HOLDER	\$3.49	
	3/19/2015	10614140		1 TRI SCALE	\$4.59	
157032	3/19/2015	013720150309	PACIFIC GAS AND ELECTRIC	SERV TO 03/08/15 BOYCE RD PS	\$1,599.34	\$2,222.38
	3/19/2015	096020150304		SERV TO 03/03/15 CATHODIC PROJECT	\$39.69	
	3/19/2015	666720150304		SERV TO 03/03/15 PASEO PADRE PS	\$172.04	
	3/19/2015	380420150304		SERV TO 03/01/15 CHERRY ST PS	\$84.10	
	3/19/2015	140120150309		SERV TO 03/05/15 IRVINGTON PS	\$80.79	
	3/19/2015	892820150304		SERV TO 03/03/15 HAYWARD MARSH	\$44.90	
	3/19/2015	898220150304		SERV TO 03/03/15 FREMONT PS	\$201.52	

UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157123	4/2/2015	503925	BRENTAG PACIFIC, INC.	3846 LBS SODIUM HYDROXIDE	\$2,125.41	\$2,125.41
157111	3/26/2015	8040536550	VWR INTERNATIONAL LLC	3 PKS FILTER VESA POR1200 25MM	\$316.51	\$1,909.13
	3/26/2015	8040524663		1 PK SPORE STRIPS WITH MEDIA	\$72.71	
	3/26/2015	8040540189		1 ACETATE BUFFER & 1 PHENYLARSINE OXIDE TITRA	\$85.49	
	3/26/2015	8040532845		2 PKS VIAL COD DIGESTION LR	\$430.36	
	3/26/2015	8040536551		15 PKS FILTER GLASS FIBER 4.25CM	\$1,004.06	
157161	4/2/2015	24840976	MOTION INDUSTRIES INC	ASTD SEALS & BEARINGS	\$467.79	\$1,868.20
	4/2/2015	24840877		1 EA ELECTRIC MOTOR	\$404.39	
	4/2/2015	24840261		2 EA SHEAVES & BUSHINGS	\$111.82	
	4/2/2015	24840961		1 EA BEARING	\$884.20	
157177	4/2/2015	1644656001	SAN LEANDRO ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$693.07	\$1,829.57
	4/2/2015	1642091001		ASTD PARTS & MATERIALS	\$757.10	
	4/2/2015	1642091002		3 UNI STRUT POST BASE	\$379.40	
157064	3/26/2015	2816418	CUMMINS PACIFIC LLC	GENERATOR 6 VALVE ADJUSTMENT	\$905.80	\$1,811.60
	3/26/2015	2816416		GENERATOR 5 VALVE ADJUSTMENT	\$905.80	
157022	3/19/2015	20150316	TODD JACOB	EXP REIMB: REGIS FEE FOR RSA CONFERENCE	\$1,695.00	\$1,695.00
157122	4/2/2015	201508	BLAKELY PICTURES INC.	SCHOOL OUTREACH VIDEO PRODUCTION	\$1,644.00	\$1,644.00
157099	3/26/2015	820000008159	RED WING SHOE STORE	SAFETY SHOES - FMC, CS & TPO	\$1,588.27	\$1,588.27
157045	3/19/2015	20150305	US POSTAL SERVICE	PO BOX FEE - 1 YEAR	\$1,582.00	\$1,582.00

UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157175	4/2/2015	7563171902	RS HUGHES CO INC	12 PRS GLOVES SOL-VEX NITRILE	\$86.30	\$1,547.20
	4/2/2015	7563171900		ASTD SAFETY SUPPLIES		
157008	3/19/2015	20150225.25	DALE HARDWARE INC	02/15 - ASTD PARTS & MATERIALS	\$1,460.90	\$1,545.75
157147	4/2/2015	9673781440	GRAINGER INC	1 EA ROLLING LDR, ASSMBLD, HNDRL, PLATFM	\$1,545.75	\$1,543.09
	4/2/2015	9670388850		1 EA BALL END HEX KEY SET	\$16.90	
	4/2/2015	9675384177		12 EA 9V LITHIUM BATTERIES	\$176.60	
157084	3/26/2015	200564324	IRON MOUNTAIN	DATA/MEDIA OFF-SITE STORAGE FEB 2015	\$239.06	\$1,540.76
	3/26/2015	6866		OFF-SITE STORAGE AND SERVICE - FEB 2015	\$1,009.15	
	3/26/2015	1921		OFF-SITE STORAGE AND SERVICE - FEB 2015	\$292.55	
157056	3/26/2015	10625450	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$133.45	\$1,518.49
	3/26/2015	10623250		1 FIRST AID KIT	\$22.98	
	3/26/2015	10629310		3 BUS CD BOOK	\$50.88	
	3/26/2015	10626740		ASTD OFFICE SUPPLIES	\$16.72	
	3/26/2015	10630280		1 PK TAPE	\$22.44	
	3/26/2015	10630630		1 CONVERTIBLE FAN	\$25.17	
	3/26/2015	10623180		ASTD OFFICE/BREAK ROOM SUPPLIES	\$1,218.27	
	3/26/2015	10631110		2 DZ RB PEN	\$28.58	

UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157025	3/19/2015	23411569	MCMMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$138.33	\$1,479.80
	3/19/2015	25236690		ASTD PARTS & MATERIALS	\$1,155.47	
	3/19/2015	25178103		4 EA RECHARGEABLE SEALED LEAD-ACID BATTERIES	\$104.93	
	3/19/2015	25198179		10 EA CONNECTORS	\$22.87	
	3/19/2015	25568457		4 PACKS CAP SCREWS	\$58.20	
157006	3/19/2015	253857	CURTIS & TOMPKINS LTD	5 LAB SAMPLE ANALYSIS	\$630.00	\$1,445.00
	3/19/2015	253858		6 LAB SAMPLE ANALYSIS	\$105.00	
	3/19/2015	253850		15 LAB SAMPLE ANALYSIS	\$305.00	
	3/19/2015	253808		2 LAB SAMPLE ANALYSIS	\$90.00	
	3/19/2015	253766		2 LAB SAMPLE ANALYSIS	\$315.00	
157125	4/2/2015	142820000	BUCKLES SMITH ELECTRIC	1 PRESSURE CALIBRATOR MODULE	\$1,437.13	\$1,437.13
157091	3/26/2015	25680616	MCMMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$492.44	\$1,406.71
	3/26/2015	25794725		4 EA CASES POWDERED GATORADE	\$26.86	
	3/26/2015	25775826		38 EA BRASS CAM-AND-GROOVE HOSE COUPLINGS	\$887.41	
157148	4/2/2015	1068293	GROENIGER AND COMPANY	ASTD PARTS & MATERIALS	\$1,238.00	\$1,238.00
157159	4/2/2015	26446345	MCMMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$725.78	\$1,236.55
	4/2/2015	26520989		ASTD PARTS & MATERIALS	\$292.32	
	4/2/2015	26323992		4 EA DOUBLE GRIP-LOCK HOSE COUPLINGS	\$89.36	
	4/2/2015	26368838		2 EA QUICK-RELEASE PINS	\$129.09	

UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015

C	Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
	157076	3/26/2015	9666571022	GRAINGER INC	ASTD PPE & SAFETY SUPPLIES	\$227.59	\$1,198.44
		3/26/2015	9667159785		ASTD PPE & SAFETY SUPPLIES	\$204.79	
		3/26/2015	9665112182		1 EA CLAMP METER	\$177.39	
		3/26/2015	9663951326		40 EA 9V LITHIUM BATTERIES	\$588.67	
	157154	4/2/2015	1502180315	KELCO SERVICES INC	TESTING OF IRON SPONGE MATERIAL	\$1,180.00	\$1,180.00
	157120	4/2/2015	3789947204	AT&T	SERV: 03/10/15 - 04/09/15	\$1,178.56	\$1,178.56
	157065	3/26/2015	253953	CURTIS & TOMPKINS LTD	2 LAB SAMPLE ANALYSIS	\$315.00	\$1,175.00
		3/26/2015	254121		24 LAB SAMPLE ANALYSIS	\$410.00	
		3/26/2015	254120		2 LAB SAMPLE ANALYSIS	\$315.00	
		3/26/2015	254077		5 LAB SAMPLE ANALYSIS	\$135.00	
	157118	4/2/2015	11404	ALAMEDA COUNTY WATER DISTRICT	COST SHARE HET/HEU REBATE PROGRAM	\$1,125.00	\$1,125.00
	157107	3/26/2015	62875	UNION CITY CHAMBER OF COMMERCE	MEMBERSHIP RENEWAL MAR 2015 - MAR 2016	\$1,080.00	\$1,080.00
	157187	4/2/2015	29699	VALLEY OIL COMPANY	2 DRS XLD 15/40 OIL	\$1,073.91	\$1,073.91
	157029	3/19/2015	20150318	STEVEN NOVAK	EXP REIMB: PAPA TEST PREP SEMINAR	\$200.00	\$1,059.20
		3/19/2015	20150311		EXP REIMB: CWEA CONF REGIS FEE & AIRFARE	\$859.20	
	157019	3/19/2015	601503528	HILLYARD/SAN FRANCISCO	1 EA CONTAINER BRUTE RECYCLING W/LID 2CS	\$191.01	\$1,037.63
		3/19/2015	601508139		ASTD JANITORIAL & BREAKROOM SUPPLIES	\$846.62	
	157075	3/26/2015	1841070409	GOODYEAR COMM TIRE & SERV CTRS	6 EA TIRES	\$1,034.97	\$1,034.97
	156994	3/19/2015	500873	A-PRO PEST CONTROL INC	FEB PEST CONTROL	\$1,005.00	\$1,005.00

UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157166	4/2/2015	7724	PLUMBING & SEWER SOLUTIONS	REFUND #17965	\$500.00	\$500.00
157167	4/2/2015	7744	PLUMBING TECH INC	REFUND #17963	\$500.00	\$500.00
157169	4/2/2015	7773	PADMINI PRABHAKER	REFUND #17975	\$500.00	\$500.00
157170	4/2/2015	7769	QUALIFIED PLUMBERS SERVICE	REFUND #17971	\$500.00	\$500.00
157171	4/2/2015	7727	R & B EQUIPMENT	REFUND #17972	\$500.00	\$500.00
157178	4/2/2015	7803	SANACT INC DBA ROTO-ROOTER	REFUND #17979	\$500.00	\$500.00
157179	4/2/2015	7718	GUCHARAN SANDHU	REFUND #17964	\$500.00	\$500.00
157181	4/2/2015	7767	QUNYING SHEN	REFUND #17973	\$500.00	\$500.00
157115	3/26/2015	78496239	XEROX CORPORATION	MTHLY MAINTENANCE BASED ON USE	\$84.48	\$467.27
	3/26/2015	78496236		MTHLY MAINTENANCE BASED ON USE	\$40.46	
	3/26/2015	78496235		MTHLY MAINTENANCE BASED ON USE	\$315.03	
	3/26/2015	78496237		MTHLY MAINTENANCE BASED ON USE	\$27.30	
157165	4/2/2015	20150401	PETTY CASH	PETTY CASH REPLENISHMENT	\$467.08	\$467.08
157030	3/19/2015	42448297	OFFICE TEAM	TEMP LABOR-BLANCHETTE, V., WKEND 02/20/15	\$442.52	\$442.52
157043	3/19/2015	15872911	TRI DIM FILTER CORPORATION	200 TRI-DEK 15/40 2 PLY PADS	\$441.23	\$441.23
157052	3/26/2015	20150324	AMERICAN PAYROLL ASSOCIATION	MEMBER DUES-S. WEST	\$438.00	\$438.00
157047	3/19/2015	8040491271	VWR INTERNATIONAL LLC	1 NEODISHER FLA (10L LIQUID)	\$394.75	\$434.53
	3/19/2015	8040488964		1 EDTA STANDARD SOLN REAG 1L	\$39.78	
157130	4/2/2015	48862	CITYLEAF INC	PLANT MAINTENANCE - MAR 2015	\$429.65	\$429.65

UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157007	3/19/2015	54090	D & D COMPRESSOR INC.	DAIGNOSE AIR COMPRESSOR TRUCK T1373	\$424.45	\$424.45
157037	3/19/2015	20150317	SARSIES PARTIES	6 BALLOON COLUMNS	\$420.00	\$420.00
157042	3/19/2015	6142	THORNTON ENVIRONMENTAL CONST	COGENERATION PROJECT	\$411.00	\$411.00
157053	3/26/2015	1729591	ANALYSTS INC	16 LAB SAMPLE ANALYSIS	\$408.90	\$408.90
157094	3/26/2015	231602	MISSION VALLEY FORD TRUCKS	DIAGNOSE LACK OF POWER & ENGINE MISS	\$405.00	\$405.00
157010	3/19/2015	8549	EAST BAY MUNI UTILITY DISTRICT	3 LAB SAMPLE ANALYSIS	\$370.70	\$370.70
157070	3/26/2015	1111398	FASTENAL	ASTD PARTS & MATERIALS	\$66.16	\$359.30
	3/26/2015	1111458		ASTD PARTS & MATERIALS	\$293.14	
157100	3/26/2015	7800	RESCUE ROOTER	REFUND # 17951	\$300.00	\$300.00
157133	4/2/2015	20150104	CWEA-NRTC	CONF REG: W. HARRIS	\$275.00	\$275.00
157109	3/26/2015	9853095.0	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 02/28/15	\$267.59	\$267.59
157098	3/26/2015	108324	PREFERRED ALLIANCE INC	FEBRUARY 2015 SERVICE FEE	\$265.20	\$265.20
157072	3/26/2015	226443	CITY OF FREMONT	UPPER HETCH HECTCHY SS REHABILITATION	\$254.64	\$254.64
157069	3/26/2015	902068792	EVOQUA WATER TECHNOLOGIES	DI WATER SYSTEM	\$251.90	\$251.90
157021	3/19/2015	869035	INTERNATIONAL PAINT LLC	ASTD PAINT SUPPLIES	\$147.63	\$221.60
	3/19/2015	869036		ASTD PAINT SUPPLIES	\$73.97	
157039	3/19/2015	20150301	SPOK INC	MARCH 2015 PAGER SERVICE	\$217.24	\$217.24
157012	3/19/2015	1184505602	GLACIER ICE COMPANY INC	164 EA 7-LB BAGS OF ICE	\$216.48	\$216.48

UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157144	4/2/2015	116522444	FREMONT URGENT CARE CENTER	1 DOT PHYSICAL	\$55.00	\$211.00
	4/2/2015	69267219005		FIRST AID	\$156.00	
157009	3/19/2015	20150317	ANTHONY DEJESUS	EXP REIMB: AIRFARE CWEA ANNUAL CONFERENCE	\$189.20	\$189.20
157073	3/26/2015	20150325	ROSLYN FULLER	EXP REIMB: SUPPLIES FOR NATIONAL PURCHASING MONTH 2015	\$174.04	\$174.04
157176	4/2/2015	85340220150324	SAN FRANCISCO WATER DEPT	SERVICE 02/20/15 TO 03/20/15	\$170.93	\$170.93
157060	3/26/2015	176570	CLARK'S HOME AND GARDEN INC	1 YD CONCRETE 6SK	\$166.24	\$166.24
157182	4/2/2015	20150331	KRISTINA SILVA	PROJ 438 LUNCH MEETING	\$151.75	\$151.75
157011	3/19/2015	20150312	MOHAMMAD GHOURY	ALT COMP AWARD SPECIAL REC 2ND QTR FY 15	\$150.00	\$150.00
157190	4/2/2015	20150330	JANINNE WARD	EXP REIMB: MANAGEMENT MEETING LUNCH	\$150.00	\$150.00
157027	3/19/2015	1440	MUNICIPAL POOLING AUTHORITY	ANNUAL NORCAL CONSORTIUM EXPS FOR 2015	\$133.82	\$133.82
157180	4/2/2015	858606541	SHARP BUSINESS SYSTEMS	MTHLY MAINTENANCE BASED ON USE	\$115.71	\$115.71
157104	3/26/2015	20150316	JENNIFER SIO-KWOK	EXP REIMB: MILEAGE 2015 HEALTHCARE SYMPOSIUM PLEASANT	\$25.76	\$109.86
	3/26/2015	20150320.2		EXP REIMB: LUNCH EC EC OUTREACH REP QAI PANEL	\$48.90	
	3/26/2015	20150320.1		EXP REIMB: SODA & CHIPS FOR TRAINING & RECRUITMENTS	\$35.20	
157085	3/26/2015	378302	IRONMAN PARTS AND SERVICE	SERVICE - OPACITY TEST ON TRUCK 73292	\$100.00	\$100.00
157172	4/2/2015	71837	REMOTE SATELLITE SYSTEMS INTL	IRIDIUM SVC FEE APRIL 2015	\$97.90	\$97.90
157059	3/26/2015	399807	CHEMETRICS INC	3 CHEMETRICS NITRITE VACU-VIALS KIT	\$97.79	\$97.79
156998	3/19/2015	62893	BARNETT MEDICAL SERVICES LLC	60 LBS PHARMACEUTICAL WASTE REMOVAL	\$95.00	\$95.00
157087	3/26/2015	20150319	DAVID LEATH	EXP REIMB: DINNER FOR MECHANICS	\$89.76	\$89.76

UNION SANITARY DISTRICT
CHECK REGISTER
3/14/2015-4/03/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
157014	3/19/2015	77276	GORILLA METALS	ASTD METAL, STEEL, STAINLESS, AND ALUMINUM	\$84.41	\$84.41
157020	3/19/2015	5517650	HOSE & FITTINGS ETC	ASTD PARTS & MATERIALS	\$83.82	\$83.82
157103	3/26/2015	20150326	JAMES SCHOFIELD	EXP REIMB: CSPS RECRUIT PANEL LUNCH & SAFETY MEETING DC	\$71.26	\$71.26
157038	3/19/2015	20150311	ELOY SEPULVEDA	EXP REIMB: CLASS B LICENSE APPLICATION	\$71.00	\$71.00
157146	4/2/2015	77403	GORILLA METALS	ASTD METAL, STEEL, STAINLESS, AND ALUMINUM	\$68.77	\$68.77
157152	4/2/2015	521500	HULBERT LUMBER SUPPLY	ASTD LUMBER SUPPLIES	\$60.53	\$60.53
157191	4/2/2015	1995544001	WHCI PLUMBING SUPPLY CO	1 UPPERCUT DUAL FLUSH HANDLE, DIAPHRAGM KIT	\$60.31	\$60.31
157136	4/2/2015	615320150318	DISH NETWORK	APR 2015 - SERVICE FEE	\$50.85	\$50.85
157128	4/2/2015	67067	CDW GOVERNMENT LLC	2 PLANT SWITCH R&R	\$42.75	\$42.75
157080	3/26/2015	257057	HANIGAN COMPANY INC	1 LOT BUSINESS CARDS - J. SCHOFIELD	\$37.70	\$37.70
157090	3/26/2015	77757914	MATHESON TRI-GAS INC	MONTHLY CYLINDER RENTAL - FEB 2015	\$32.74	\$32.74
157016	3/19/2015	256934	HANIGAN COMPANY INC	1 LOT BUSINESS CARDS - R. CZAPKAY	\$29.70	\$29.70
157134	4/2/2015	20150331	CWEA-NRTC	REG: D. DATTAWALKER HAYWARD WATER POLLUTION CONTROL	\$20.00	\$20.00
157135	4/2/2015	20150330	CWEA-NRTC	REG: K. SILVA HAYWARD WATER POLLUTION CONTROL FACILITY	\$20.00	\$20.00
156995	3/19/2015	6282575	AT&T	SERV: 01/20/15 - 02/19/15	\$17.04	\$17.04
157046	3/19/2015	9741424382	VERIZON WIRELESS	WIRELESS SERV 02/02/15-03/01/15	\$14.04	\$14.04
157083	3/26/2015	5519853	HOSE & FITTINGS ETC	ASTD PARTS & MATERIALS	\$7.85	\$7.85

UNION SANITARY DISTRICT
 CHECK REGISTER
 3/14/2015-4/03/2015

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
Invoices:						
Credit Memos :						
		0				
		217	69,842.11		109	43,877.15
		73	226,221.12		71	241,467.43
		22	578,332.36		15	379,433.81
		3	1,513,105.74		5	1,722,722.94
		315	2,387,501.33		200	2,387,501.33
				Checks:		
				\$0 - \$1,000 :		
				\$1,000 - \$10,000 :		
				\$10,000 - \$100,000 :		
				Over \$100,000 :		
				Total:		



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

David M. O'Hara
Attorney

DATE: April 7, 2015

MEMO TO: Board of Directors - Union Sanitary District

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

SUBJECT: Agenda Item No. 14b - Meeting of April 13, 2015
Information Item: **Cogeneration Project Construction Contract
Change Order Summary**

Recommendation

This is an information item.

Background

The Board awarded the construction contract for the Project to D. W. Nicholson Corporation (DWN) in the amount of \$10,566,358 on March 11, 2013. Staff issued the Notice to Proceed to DWN on April 5, 2013. The Project's original construction period was five hundred twenty-five (525) calendar days with a commissioning of the new engine generators by June 13, 2014 (Milestone A) to meet PG&E's Self-Generation Incentive Program (SGIP) deadline and completion of all Project elements by September 11, 2014.

Due to delays resulting from several contract change orders (CCOs), staff executed CCO No. 67 that extended the Milestone A and project completion dates to November 17, 2014 and February 2, 2015, respectively. Staff issued Project Substantial Completion and the punch list of outstanding contract work items to DWN on March 4, 2015. All field work is expected to be completed by early May 2015.

Carollo Engineers designed the Project and The Covello Group provided construction management services.

CCO Summary

As of April 7, 2015, staff has executed ninety-seven (97) CCOs in the amount of \$1,113,617, which is 10.5% of the original construction contract amount. Below is a summary of the significant executed CCOs:

1. CCO No. 10, Modifications to Medium Voltage Switchgear MVSA

Change Order No. 10 is in the amount of \$175,919 and is for incorporating modifications to the Plant main switchgear. PG&E required the District to install protective devices on the plant's 12,000-volt electrical switchgear to monitor the power from the biogas-fired engine generators and to prevent the export of power to PG&E's grid. PG&E's requirements were not known during the design phase, so the new protective devices for the main utility breaker were not included in the electrical switchgear plans and specifications. The CCO included a new standalone enclosure with the new protective devices and switches, terminations of wires within the switchgear, current-measuring devices in the switchgear, testing of the new devices in conjunction with the existing main utility breaker, and DWN's supplier's engineering services. This CCO was approved by the Board of Directors during the Board meeting of October 14, 2013.

2. CCO No. 27, High Temperature Jacket Water Pump and Decoupling Heat Exchanger

Change Order No. 27 is in the amount of \$98,500 and is for the extra work pertaining to the high temperature jacket water pump and decoupling heat exchanger. The initial cogeneration equipment submittal had initially shown the mentioned equipment to be mounted on each of the two engine generator skids. However, the supplier's cogeneration equipment final submittal showed an additional decoupling heat exchanger, and associated pumps and valves, on each engine unit, all being provided at no additional charge. The additional equipment was a highly recommended requirement of the engine manufacturer to extend the life of the engine coolant and reduce engine maintenance and associated downtime and costs. This required the Design Engineer, Carollo, to modify the equipment layout within the Cogeneration Building, which resulted in a CCO to install the equipment and to modify the mechanical, electrical, and instrumentation installation within the building.

3. CCO No. 28, Engine Generator catalyst

Change Order No. 28 is in the amount of \$249,367 and is for the extra work associated with incorporating an oxidation catalyst system to the engines' exhaust piping. The District submitted the air permit application in October 2012

to the Bay Area Air Quality Management District (BAAQMD), which was during the design phase of the Project. The permit application proposed emission limits of 1.0 gram per brake horsepower-hour (g/bhp-hr) of carbon dioxide (CO) and 2.65 g/bhp-hr of nitrogen oxide (NOx) in accordance with published BAAQMD Best Available Control Technology (BACT) guidelines and regulatory limits at the time. The manufacturer of the engine generators could guarantee these emission limits without any emission controls.

After award of the construction contract, the BAAQMD responded in April 2013 to the District's application and proposed permit conditions that set a lower CO limit of 2.1 g/bhp-hr but left the NOx limit at 1.0 g/bhp-hr. To meet the lower CO limit, the District needed to install oxidation catalysts on each engine's exhaust piping.

This CCO included oxidation catalysts and housing; catalyst monitor and differential pressure transmitter; stainless steel exhaust piping, expansion joints, and supports; and electrical conduits and wiring. This CCO was approved by the Board of Directors during the Board meeting of January 27, 2014.

4. CCO No. 57, Delete DGCS Warranty

Change Order No. 57 is in the credit amount of \$186,791 and is for deleting the warranty for the digester gas conditioning system (DGCS) equipment. The SGIP required all of the major components of the cogeneration system carry a minimum ten-year equipment warranty. The warranty would cover the full cost of repair or replacement of defective components or systems, including coverage for labor costs to remove and reinstall defective components or systems. The SGIP required system owners to fulfill the warranty requirements by acquiring standard and extended warranties from the equipment manufacturers or suppliers.

During design, the District applied for and received PG&E's approval to "self-perform" the warranty for the engine generator system. However, the construction contract still included the ten-year warranty for the digester gas conditioning system. During the construction phase, staff discovered that the cost of the ten-year warranty for the DGCS equipment was significant. In October 2014, the District applied for and received PG&E's approval to "self-perform" the warranty of the DGCS equipment. This CCO also deleted a five-year maintenance bond that insured the equipment supplier's performance. This CCO was approved by the Board of Directors during the Board meeting of November 24, 2014.

5. CCO No. 93, Electrical Modifications for Final Engine System Components

Change Order No. 93 is in the amount of \$77,000 and is for incorporating electrical conduit and wire modifications to accommodate actual devices provided by the engine generator supplier. After reviewing the submittal from the engine generator supplier, Carollo discovered additional temperature elements, pressure switches, vibration switches, and digester and natural gas anti-backfire devices that were not included in the construction contract documents. During design, Carollo worked with the supplier to show the anticipated instrumentation and control equipment in the contract documents. However, during the submittal preparation phase, the supplier “designed” the system based on the technical requirements of the Project. This CCO included installation of new conduits and wiring to these devices between the control room and the field devices in and around the Cogeneration Building.

PCO Summary

In addition to the ninety-three (93) executed CCO's, there are twenty-one (21) potential change orders (PCOs) that Covello and staff are currently reviewing. The total amount requested by DWN in the remaining PCOs is \$363,375, which represents an additional 3.4% of the original construction contract amount. Staff anticipates the negotiations of the remaining PCOs to conclude within the next month, and the final CCO rate to remain less than 15%.

PRE/SEG/RC:ks



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 6, 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

SUBJECT: Agenda Item No. 14.c - Meeting of April 13, 2015
Information Item: **Earth Day 2015**

Recommendation

Information only

Background

On Saturday, April 25, 2015, the Environmental Compliance team will participate in the Earth Day event that the City of Fremont and Washington Hospital are hosting. The event will be held at Washington Hospital's Conrad E. Anderson, M.D. Auditorium, at 2500 Mowry Ave, Fremont from 11:00 a.m. to 3:00 p.m.

Environmental Compliance staff will share information with the public 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.

Grease scrapers and various handouts related to the reduction of Fats, Oil, and Grease, Integrated Pest Management, and Green Business will be made available to the public at the event. For children, staff will hand out workbooks related to the sanitary sewers

and rulers. Additionally, reusable tote bags and Pollution Prevention Pledge magnets will be given to residents who sign our Pollution Prevention Pledge.

The District will be placing an ad in the Tri-City Voice announcing the City of Fremont and Washington Hospital's Earth Day celebration. The ad will appear in the April 21st issue.

PRE/SEG/MD:av

Attachments:

USD's Earth Day Advertisement

City of Fremont and Washington Hospital's Earth Day Advertisement

Pollution Prevention Pledge Magnet



Protect Your Bay On Earth Day



Visit Union Sanitary District's Booth At Fremont's Earth Day Celebration

Saturday, April 25 – 11 a.m. to 3 p.m.

Washington Hospital – Washington West
2500 Mowry Avenue

StopFOG With A FREE Grease Scraper!

Learn how to prevent expensive repairs and protect the environment by keeping Fats, Oil and Grease (FOG) out of your sewer.

FREE Safe Medicine Disposal

Empty pills into one resealable bag and bring to our booth – recycle the containers at home. Bring liquids and lotions in original containers with personal info blacked out or removed.

FREE Thermometer Exchange

USD will trade your mercury thermometer for a non-hazardous version at no charge. We will also recycle other mercury-containing devices for you.

For more information, call USD at (510) 477-7620

Protecting The Tri-Cities and San Francisco Bay



Let's GO GREEN Together!



Join us as we celebrate Earth Day!

Meet with eco-friendly experts and learn new ways to go green!

Saturday, April 25 • 11 a.m. to 3 p.m. • Conrad E. Anderson, M.D. Auditorium, 2500 Mowry Ave. (Washington West) in Fremont

FREE residential drop-off:



- > Syringes and needles (in approved containers)
- > Confidential document shredding
- > Disposal of unused, unwanted medications
- > Donate eyeglasses
- > Mercury thermometer exchange

Learn more about:

- > Recycling and waste reduction
- > Saving energy at home
- > Eco-friendly gardening and composting
- > Local sustainability programs
- > Healthy eating/ Farmer's Market



Fun for the kids!



Kids activities will include:

- > Bike Rodeo
- > Face painting
- > Other free games and activities
- > Eco-tainment
- > Earth Day art
- > Kids bike raffle*

*Youth bike raffle requires participation in the bike rodeo. Restrictions apply.

- > Torchiere lamp exchange (must bring PG&E bill to qualify)
- > Fix-a-flat workshop at 1:15 p.m.
- > Food trucks
- > Blender bike (to make smoothies)
- > Free bike tune-ups (11 a.m. to 2 p.m.)
- > Residential energy resources for Fremont's \$5M Energy Challenge!



Washington Hospital Healthcare System



Learn more at www.whhs.com/green

Pollution Prevention Pledge



I agree to make a concentrated effort to reduce pollutants into San Francisco Bay by:

- ◆ Disposing of old medications safely.
- ◆ Reduce the fats, oils and grease that leave my sinks and enter the sanitary sewer.
- ◆ Use less toxic products to control pest before using pesticides.
- ◆ Dispose of mercury containing light bulbs safely.
- ◆ Protect our storm drains.
"Only rain down the stormdrain".





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 7, 2015

MEMO TO: Board of Directors - Union Sanitary District

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

SUBJECT: Agenda Item No. 14d - Meeting of April 13, 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:

- 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.

California's historic drought

New water-saving rules

State imposes mandatory restrictions on homeowners, hotels, restaurants, bars; fines of up to \$500

By Paul Rogers

progers@mercurynews.com

SACRAMENTO — Acknowledging that California's water conservation efforts are falling short as the state descends into a fourth year of punishing drought, the administration of Gov. Jerry Brown on Tuesday imposed new mandatory water conservation rules that will affect millions of people — from how homeowners water their lawns

“At this point, we are failing. We are not meeting our goals.”

— Conner Everts, of the California Environmental Water Caucus

to how restaurants and hotels serve their guests.

“There have been some heroic efforts that people have taken, but we are not seeing the efforts to step up and ring the alarm bells that the

situation warrants,” said Felicia Marcus, chairwoman of the State Water Resources Control Board, which approved the measures in Sacramento. “We’re going to need to go further if it doesn’t rain.”

But enforcing the rules, which could carry fines of up to \$500, will be left up to local cities, counties and water districts. And so far, very few have fined residents for wasting water.

Critics called the rules, which take effect April 15, a step in the right direction. But they said they are insufficient without more en-

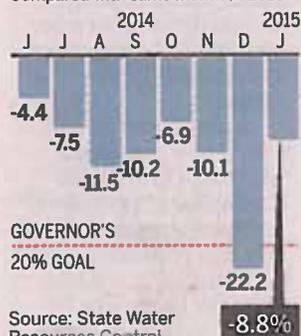
See WATER, Page 10

Conserving water

Californians have met Gov. Jerry Brown's 20 percent water conservation goal only one month since last summer.

Water usage

Compared with same month in 2013



Water

Continued from Page 1

forcement to avoid water shortages if the drought drags past this summer.

“At this point, we are failing. We are not meeting our goals,” said Conner Everts, with the California Environmental Water Caucus, a nonprofit group. “At what point do we accept that this might be the fourth year of a 10-year drought and plan for that?”

Falling short

The past three years have been the driest three years in California history dating back to the Gold Rush. On Tuesday, the Sierra snowpack was at 13 percent of its historic average, and many of the state's largest reservoirs were far below normal. Meanwhile, 2014 was the hottest year in recorded history in California and around the globe.

In January 2014, the governor declared a statewide drought emergency and asked Californians to cut water use by 20 percent voluntarily. But the state's urban and suburban residents have fallen short of that goal, cutting water use by only 9.7 percent

from June to January, compared with the prior year.

Specifically, the rules adopted Tuesday:

- Ban all restaurants, bars and hotels from serving water unless customers ask for it.

- Require all hotels and motels to provide signs in rooms telling guests that they have the option of choosing not to have towels and linens washed daily.

- Ban Californians from watering lawns and landscaping with potable water within 48 hours after measurable rainfall.

- Require cities, counties, water districts and private companies to limit lawn watering to two days a week if they aren't already limiting lawn and landscape watering to a certain number of days a week. The rule applies to all 411 water providers with more than 3,000 customers in California, covering more than 95 percent of the state's population. But there is a loophole: If water providers are already limiting days of the week, even if it is to three or more days, they can continue with those rules and not restrict watering to two days a week.

The lawn-watering provisions are expected to have the most impact. That's because outdoor irrigation makes up 44 percent

of water use in California's urban and suburban communities, according to the state water board.

In the Bay Area, some water providers are already limiting lawn-watering days. Customers of the East Bay Municipal Utility District, which provides water to 1.3 million people in Alameda and Contra Costa counties, are limited to two days a week.

There is no enforcement, however. The district has a hotline to report violations, and it calls, visits or sends emails to violators. But the agency has no ordinance on its books to allow it to issue fines, said district spokeswoman Abby Figueroa.

That could change starting April 14, when the district will consider tougher rules. Those will include "excessive use" fees for residents who use considerably more water than the community average and perhaps sending staff out to enforce the rules.

In Santa Clara County, watering rules vary widely.

The San Jose Water Company, which provides water to 1 million residents, limits outdoor watering to odd or even days. People whose addresses end in even numbers are allowed to water only on even-numbered dates, and those with addresses ending in odd numbers

are allowed to water only on odd-numbered dates. But the company is not fining violators.

Milpitas allows watering two days a week. San Francisco, Sunnyvale, Santa Clara and people served by San Jose's city water department do not have day-of-the-week restrictions.

The statewide rules passed Tuesday also require water providers to promptly notify property owners when they discover leaks. And they mandate that water providers report every month to the state water board which days of the week they have limited watering and whether they are penalizing violators.

Many Bay Area restaurants already are limiting water to diners.

Pitching in

At Delicious Crepes Bistro in Santa Clara, which serves vegan fare and whose mission statement promises to be environmentally friendly, the staff says it's already careful with wasting drinking water. When the drought became serious last year, the restaurant added a water-filled thermos on the counter and asked customers to serve themselves, with a sign on the wall saying "take only as much as you can drink." The glasses

next to it hold only 12 ounces, the bistro's smallest glass.

"Originally, we poured water from a pitcher into bigger glasses," said Hanna Mityashina, 28, the cafe's manager. "We noticed when we reduced the size of the glasses, it reduces the consumption. We want to preserve water."

Next door at Chef Ming's, owner Diana Lee said serving water to customers is part of being a polite hostess. "When I go to a restaurant, I hope someone can give me water — cold water or hot tea," she said. "Do you just say, 'Are you ready to order?'"

Lee said she hopes the law is flexible enough that she can ask customers if they want water — and not just wait for customers to request it. Already, she said, when water is left on tables "I throw it on my plants because I feel so guilty."

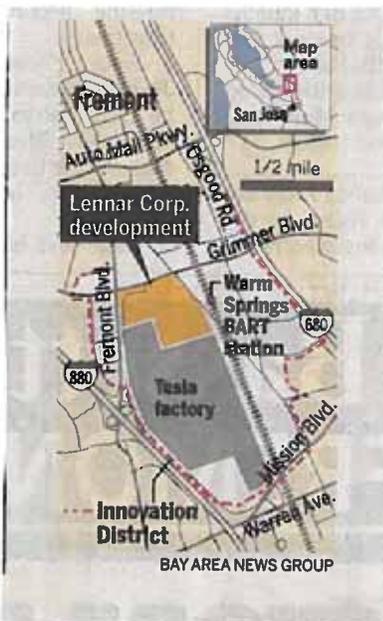
Two of her customers, Marilyn Keever and Barbara Fairburn, said waiting for a water request is a good idea.

But Keever joked that she has an even better one: "If you ask for water, you have to drink the whole thing, or you'll be arrested, handcuffed and taken away."

Staff writer Julia Sulek contributed to this story.

Fremont City Council approves mixed-used project

'Catalytic project' is coming



2,214 Number of housing units Lennar plans to build in the Warm Springs Innovation District

1,256 Number of homes that will be rental units

958 Number of homes that will be for-sale properties

13.4% Number of residences that will qualify as affordable housing

"We have a little bit of adjusting (to do) based on tonight's information. We'll adjust to the new percentage."

— Kevin Fryer, representative, Lennar, on providing affordable housing units

First phase of plan set to open in 2017; some residents voice concern

By Chris De Benedetti
cdebenedetti@
bayareanewsgroup.com

FREMONT — A huge development in the Warm Springs Innovation District will finish its first phase in 2017, now that council members have approved the mixed-use project.

Lennar says it will add 2,214 housing units, a new elementary school and 1.4 million square feet of offices next to the Tesla Factory and Warm Springs-South Fremont BART station, set to open later this year.

The Miami-based developer

said it will start by spending \$35 million on the project's infrastructure, including Innovation Way, a road that will cut through the heart of the property.

"Innovation Way will be a vibrant urban hub with myriad uses," said Kevin Fryer, a Lennar representative.

The developer will build 1,256 rental housing units and 958 for-sale homes on property bounded by the Tesla Factory, Lopes Court, and South Grimmer and Fremont boulevards. About 13.4 percent of the residences will be affordable housing, a 0.5 percent increase from the most recent proposal.

Lennar increased the number

See SPRINGS, Page 2

Springs

Continued from Page 1

of affordable units to match the minimum 13.4 percent rate that Fremont approved for its affordable housing ordinance earlier in the evening.

"We have a little bit of adjusting (to do) based on tonight's information," Fryer said. "We'll adjust to the new percentage."

The first phase also will include "backbone improvements," such as adding utilities and grading the entire area.

The second phase, scheduled to finish in 2022, will build more rental and for-sale apartments, a 5-acre elementary school and a 4-acre park that the school district will share with community members.

The final phases, which will build the final set of residences, are slated to finish by 2026.

The City Council on Tuesday approved Lennar's proposal in a 4-1 vote. In casting the dissenting vote, Councilman Vinnie Bacon said he was disappointed that the parcels set aside for office space will be empty after the first phase.

"I really doubt how soon that will be developed," he said. "To think that you're going to get out of BART, walk over the bridge and see two empty lots ... that really troubles me."

Bacon was not the

project's only critic at the meeting. Several members of R.I.S.E. Fremont — a coalition of nonprofit groups, clergy and residents — demanded that Lennar give more affordable housing and other community benefits to the area's working poor.

"Don't hamstring the city's residents for generations to come," said R.I.S.E. member Guillermo Mendoza. "A signed (community benefits agreement) between R.I.S.E. and Lennar would ensure that benefits to the community would not be negotiated away at a later date."

However, Fremont Chamber of Commerce leader Aaron Goldsmith praised Lennar for adding the school, the park and new roadways to the city.

"This project is the first step toward the renewal of Warm Springs," he said.

Other companies have already set up shop in the district. Thermo Fisher Scientific recently opened an \$85 million 350,000-square-foot building on 22 acres there.

But the Lennar development will be the area's largest new one, said Mayor Bill Harrison, adding that it will be "historic" and spur other development in the city.

"That's what we've needed in Fremont," he said. "That catalytic project."

Contact Chris De Benedetti at 510-293-2480. Follow him at Twitter.com/cdebenedetti.

San Lorenzo's ecotone levee experiment

Seeds for sustainable future

Project could improve water quality, protect against sea level rise and provide wildlife habitat



GARY REYES/STAFF

Jessie Olson of Save the Bay talks with Tim Becker and Jason Warner of the Oro Loma Sanitary District about the elderberry plants she is growing in a greenhouse at the Baylands Native Plant Nursery in Palo Alto on March 12. The plants will be part of an ecotone levee project.

\$4.55M

Amount Oro Loma Sanitary District is contributing to the ecotone project

\$2.45M

Amount Castro Valley Sanitary District is contributing

\$2.1M

State grant money slated for the project

\$9M

Total cost of the project

“Many people see this idea and say, yeah, this has a lot of potential. They’re becoming (fans).”

— Jason Warner, general manager, Oro Loma Sanitary District



BAY AREA NEWS GROUP

By Rebecca Parr

rparr@bayareanewsgroup.com

SAN LORENZO — What are now seedlings will play a key role in an experiment that could be an environmental triple win — improving water quality and protecting against sea level rise while providing wildlife habitat.

An army of volunteers will plant more than 70,000 native plants next fall on a first-of-its-kind ecotone levee and wetland basin. The levee and basin will be built on a vacant field near the Oro Loma Sanitary District wastewater treatment plant.

Treated wastewater will flow into the basin and then be piped under the ecotone, percolating out and sustaining the plants. The plants also will improve water quality by removing nutrients that can contribute to algae growth.

“Many people see this idea and say, yeah, this has a lot of potential. They’re becoming

See **ECOTONE**, Page 8

Ecotone

Continued from Page 1

(fans)," Jason Warner, Oro Loma general manager, said.

Climate change will cause a 55-inch rise in the water level along the shoreline by the end of the century, scientists predict.

"The salt (marsh) harvest mouse will need a scuba mask to survive," Warner said, referring to a small endangered animal found in San Francisco Bay salt marshes.

If nothing is done, the rising water will cause flooding that will directly affect 80,000 East Bay residents, according to one study. Industrial areas and wastewater treatment plants also are found along the shoreline.

That danger has prompted several agencies to collaborate to figure out how to prepare for the rising water level.

On one extreme, civil engineers propose building a sea wall; on the other, environmentalist would allow the flooding to take place, Warner said.

The ecotone should meet the concerns of both groups, he said.

"People can't agree on most things, but on this one we do," he said.

Oro Loma is contributing \$4.55 million of the project cost, and Castro Valley Sanitary District \$2.45 million. The two sanitary districts jointly own the treatment plant at the end of Grant Avenue.

A \$2.1 million state grant also will help pay for the \$9 million project, with work expected to start this spring.

Oro Loma has been the main catalyst for the project, along with Castro Valley Sanitary and the East Bay Dischargers Authority. Also involved are the San Francisco Estuary Partnership, Save the Bay and The Bay Institute.

"This is exciting. It's the first tangible project of actually adapting to sea level rise on a larger scale. Let's try something and see where it goes."

—Jennifer Koney, recreation supervisor, Hayward Area Recreation and Park District

UC Berkeley professor David Sedlak and other scientists will monitor the site and collect samples from four combinations of soil types, plant species and water flow to see which works best to purify the water.

"I'm very interested in the potential that the ecotone could improve water quality," Sedlak said.

The gently sloped levee, designed to mimic the natural slope from wetlands to uplands, will be 800 feet wide and 160 feet long. It will be blocked off behind a dike along the flood control Bockman Channel, which flows into the bay.

For now, the remaining water will be returned to the plant for a second treatment, but it is hoped that it will be clean enough so that one day it could be discharged directly into the bay, Warner said.

"The ecotone should be sitting on the bay's edge. But it's an experiment; we're not sure if it's going to work," he said.

The ecotone proposal came out of one of the first reports on how rising sea level will affect the area's shorelines and possible solutions. The 2010 report was commissioned by the Hayward Area Shoreline Planning Agency.

"We were smart enough to see their idea was a great idea," said Tim Becker, Oro Loma board president.

Save the Bay is raising the native plants that will

be transplanted to the ecotone and basin. The area will be overplanted to give the native varieties a better chance of getting established before weeds appear, said Jessie Olson, Save the Bay nursery manager.

The plants also will get a boost from the continuous supply of treated wastewater being fed through the ecotone.

The ecotone is not the first sloped levee built, but with only seasonal rainwater available, invasive weeds have been a problem, said Jeremy Lowe of Environmental Science Associates, one of the project consultants. Dikes along the shoreline block water from naturally flowing inland.

"Combining slopes with discharge from the wastewater plant means we can create some of the habitats we used to have," he said.

The levee could provide refuge for wildlife during storms, Lowe said. The wetland basin also can store 8 million gallons of primary-treated wastewater during heavy rains.

"This is exciting," said Jennifer Koney, a recreation supervisor for the Hayward Area Recreation and Park District, which manages trails, marshes and wetlands along the shoreline. "It's the first tangible project of actually adapting to sea level rise on a larger scale. Let's try something, and see where it goes."

Contact Rebecca Parr at 510-293-2473, or follow her at [Twitter.com/rdparr1](https://twitter.com/rdparr1).



GARY REYES/STAFF

Tim Becker of Oro Loma Sanitary District and Jessie Olson of Save the Bay take a look at elderberries growing in a greenhouse at the Baylands Native Plant Nursery in Palo Alto.

\$1 billion emergency bill

Drought proposal under fire

Brown, state leaders criticized for how funds will be allocated

By Jessica Calefati

jcalefati@bayareanewsgroup.com

SACRAMENTO

Gov. Jerry Brown and legislative leaders on Thursday proposed a \$1 billion package of emergency legislation meant to help California weather its crippling drought.

But a news conference that unveiled the package — aimed at demonstrating how much the state

is doing — seemed to spark more criticism about what Brown and other state leaders are *not* doing as the drought drags on into its fourth year.

Strangely, two-thirds of the money — \$660 million — is earmarked for flood control proj-

ONLINE EXTRA:

Read more coverage of the drought at www.cadrought.com.

See **DROUGHT**, Page 8

Drought

Continued from Page 1

ects, money California voters approved in a 2006 flood control bond.

And although the proposal will expedite spending on water recycling and desalination projects that will surely ease the pain of the next big drought, the legislation does little to ease California's pain now, environmentalists and others complained.

What's needed, they say, are harsher restrictions on lawn watering, an acceleration of last year's new law requiring farmers to better measure groundwater pumping and slapping water wasters with steep penalties.

"Conservation should come first, but it hasn't," said Conner Everts, of the Environmental Water Caucus. "We've been overdrawing surface and groundwater for years — and now we're entering a crisis of our own making."

Last year, state lawmakers pledged more than \$870 million to drought relief, but they still haven't decided how to spend half of it.

At the Capitol news conference, reporters peppered Brown with questions about when he'll call for mandatory water conservation.

"We're going to do more. Don't worry," Brown said. But he provided only vague details about when he might "bring the hammer down"

and force growers and homeowners to cut back more, saying the state might impose tougher rules before summer.

Asked why so much money was going to control floods, he said it was a "water issue."

"With climate change and global warming, there will be more extreme weather events," he said.

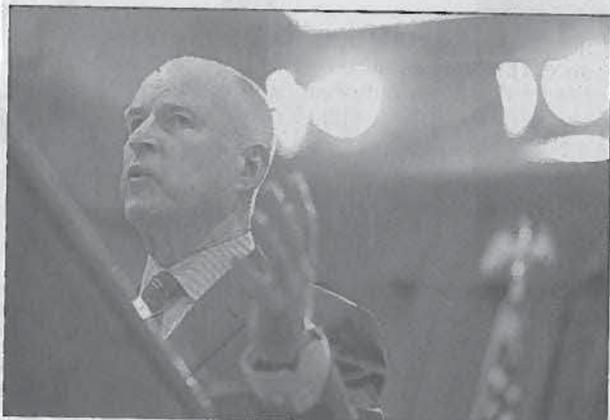
Brown in January 2014 declared a statewide drought emergency and asked Californians to voluntarily reduce their water use by 20 percent. But the state's urban and suburban residents have fallen short of that goal, cutting water use by only 9.7 percent from June to January, compared with the prior year.

"When you're piloting a huge battleship, it turns slowly in the water," Brown said. "It takes a long time for people to grasp an unprecedented change."

The legislation proposed Thursday would speed up spending on water recycling and desal by using \$272 million in funding from the water bond voters approved in November.

Brown was accompanied to the news conference by Senate President Pro Tem Kevin de León, D-Los Angeles, and Assembly Speaker Toni Atkins, D-San Diego.

A little more than 10 percent of the package — \$128 million — will come from the general fund in the fiscal year beginning July 1. That money includes \$25 million for emergency



JUSTIN SULLIVAN/GETTY IMAGES

Gov. Jerry Brown, under fire for his handling of the drought, speaks Thursday, announcing proposed emergency drought legislation. "We're going to do more," he said.

drinking-water projects and \$17 million for food assistance in drought-ravaged communities like Firebaugh, where lines at the food bank keep growing, Assembly Republican leader Kristin Olsen, R-Modesto, said at the news conference.

Although Democrats and Republicans are not divided on the state's response to the drought, Olsen and Senate Republican leader Bob Huff, R-Diamond Bar, were briefed on the drought-relief package and invited to the news conference only shortly before it started.

Olsen and Huff both said they support the package, but they stressed that the state must not lose sight of its need for more water storage facilities above ground.

"Republicans have consistently said that storage is essential for providing a reliable water source to all

of California for future generations," Huff said.

The \$7.5 billion water bond voters passed in November includes \$2.7 billion for water storage projects. But it will be several years — possibly even more than a decade — before any new dams or reservoirs built with the money are operational.

Last week, the federal government pledged \$19.9 million in emergency funding for the Central Valley Project, a massive conveyance system that delivers water to many of the state's farmers. The money will be used to monitor salinity in the Sacramento-San Joaquin River Delta, assess the vulnerability of endangered species and ensure that the right amount of water is being pumped through the system at the right time.

This week, the State Water Resources Control Board voted to ban restau-

\$1 BILLION BREAKDOWN

Here's how Gov. Jerry Brown and legislative leaders plan to allocate the \$1 billion in drought relief funds:

Flood control projects:

\$660 million. Funding would come from a flood control bond voters approved in 2006.

Water recycling and desal:

\$272 million to speed up spending on water recycling and desalination projects. Funding would come from the water bond voters approved in November.

Emergency projects:

\$128 million for emergency drinking-water projects and food assistance. Most of the money would come from the general fund.

rants from serving water unless customers ask for it, in addition to requiring hotels to provide signs in rooms telling guests that they have the option of choosing not to have towels and linens washed daily — among other new rules.

That's welcome news, said Kathryn Phillips, director of Sierra Club California.

"This week we saw signs that the Brown administration is moving more proactively in the right direction," Phillips said. "We need to keep moving in that direction because the only way we survive this year is conservation."

Contact Jessica Calefati at 916-441-2101. Follow her at [Twitter.com/calefati](https://twitter.com/calefati).

Water supplier eyes rate hike, surcharge

WEDNESDAY, MARCH 25, 2015

Changes would take effect July 1 if OK'd by EBMUD board

By Denis Cuff

dcuff@bayareanews.com

OAKLAND — The worsening drought is spurring the East Bay's largest water supplier to consider slapping a 25 percent surcharge on customers' bills — on top of an 8 percent general rate increase.

The East Bay Municipal Utility District proposed the 8 percent permanent increase Tuesday largely to cover the cost

of accelerating replacement of aging pipes. The district needs that increase, drought or no drought, officials said.

A larger temporary increase of up to 25 percent, officials said, is needed to cover drought costs — including some \$55 million to deliver an emergency supply from the Sacramento River.

The latest meager reading from the Sierra snowpack is increasing the odds the East Bay district will need the surcharge, instead of less severe options,

See **RATES**, Page 2

Rates

Continued from Page 1

officials said.

"Our supply outlook is grim," said Abby Figueroa, a district spokeswoman. "Until the overnight storm, there was no snow at Caples Lake in our watershed, and we normally have 6 feet at this time of year."

The storm dropped a meager 3 inches of snow in the district's Mokelumne River basin. The Sierra foothills area supplies the main water source for the 1.3 million EBMUD water users in Alameda and Contra Costa counties.

The water board is expected to vote June 9 on the rate increase and surcharge. It would go into effect July 1.

The drought surcharge will not be a uniform increase for all households because it is structured to be more severe for high water users, and less severe for low water users.

Under the most severe option for a 25 percent surcharge, the monthly bill would increase from \$48.60 to \$60 a month — an increase of \$11.40 — for an average district household consuming 246 gallons per day. That is a 24 percent increase.

The bill for a household using 738 gallons per day would go up more sharply, from \$132.08 to \$183.79 per month. That is an increase of 39 percent.

Water rate increases on the table

Here are the most severe water rate increases being considered by EBMUD for July 1. Rates are for single family homes, and charges would differ depending on consumption levels.

Usage Level and percentile	Gallons used per day	per month	Monthly bill		Change	
			2014-15	2015-16**	Amount	%
Low 25	98	2,992	\$29.07	\$34.06	\$4.99	17%
Median 50	172	5,236	\$37.80	\$45.10	\$7.30	19%
High 75	295	8,976	\$55.80	\$70.35	\$14.55	26%
Higher 95	738	22,440	\$132.08	\$183.79	\$51.71	39%
Highest 99	1,476	44,880	\$264.68	\$383.59	\$118.91	45%
Average*	246	7,480	\$48.60	\$60	\$11.65	24%

*About 2/3 of EBMUD single family residential customers use the average or less

** Reflects both proposed base rate increase and proposed drought surcharge

Source: EBMUD

BAY AREA NEWS GROUP

The bill for a household using 98 gallons a day would increase from \$29.07 to \$34.06 a month, a 17 percent increase.

The more customers use, the more the bill would increase, as the drought surcharges would apply only to water volumes used — the major but not only part of water bills, district officials said.

In a related drought action Tuesday, EBMUD General Manager Alexander Coate recommended the district ask customers to cut back water use 20 percent, an increase from the current 15 percent goal.

Water board members were receptive to the 20 percent target, but there may be some board differences about details of the rates and charges.

District managers proposed

that overuse penalty fees be assessed on households that use more than 1,476 gallons per day.

Directors Marguerite Young, of Oakland, and Andy Katz, of Berkeley, said they want a more restrictive policy that would start to penalize households long before they reach 1,400 gallons a day. Katz suggested half that amount — about 700 gallons — is an appropriate place to draw the line for assessing overuse penalties.

The water district has tentatively set April 15 as the date to send out written notices to customers of proposed changes in rates and charges.

Contact Denis Cuff at 925-943-8267.

FOR IMMEDIATE RELEASE: March 25, 2015
Contact: Sharene Gonzales, Community Affairs Specialist
Phone: 510.668.4208
Email: Sharene.gonzales@acwd.com

**ALAMEDA COUNTY WATER DISTRICT TO
HOST COMMUNITY MEETING**
*Navigating Through a Drought: Managing Water Supply, Delivery of
Services and Rates*

Fremont, Calif. — The Alameda County Water District (ACWD) will host a community meeting on Saturday, April 4, 2015, from 2 – 3:30 p.m. at the Los Cerritos Community Center in Fremont to discuss the drought, current water supply conditions, ACWD water conservation programs, the proposed bimonthly service charge increase, and the value customers receive from their water rates.

The meeting will provide an opportunity for customers to interact with and ask questions of District staff as ACWD continues to navigate through the drought and rate-related challenges.

“California is in a serious drought and rate increases are being proposed statewide,” said ACWD Board Member James Gunther. “This community meeting will cover topics that all Californians, regardless of region, are discussing and we want to hear from our customers, as well as share our information,” Gunther added.

All members of the community are invited to attend this meeting. Los Cerritos Community Center is located at 3377 Alder Avenue in Fremont. To learn more about ACWD, the community meeting, the drought, or water conservation, please visit www.acwd.org.

###

For 100 years, the Alameda County Water District has supplied water to the residents and businesses of southern Alameda County. ACWD supplies drinking water to the more than 340,000 people living in the cities of Fremont, Newark, and Union City. For more information, please visit www.acwd.org.

Poll: Californians gloomy on drought

Study finds most think neighbors not doing enough

By Josh Richman

jrichman@bayareanewsgroup.com

Is California's drought turning us against each other?

It might be, according to a new poll that finds most Californians don't believe people in their region are doing enough to conserve water.

Rather than coveting thy neighbor's lawn, two-thirds of Californians are starting to resent those verdant swards of sod, the Public Policy Institute of California found.

The survey found 66 percent of adults say the regional water supply is a big problem, while the same percentage believes people in their part of the state aren't cutting back enough. It's an opinion shared by majorities in every region, political party, racial and ethnic group, and educational and income level.

And the future isn't looking bright — or moist — to most Californians either: Asked about the water supply in their area a decade from now, 69 percent expect it to be somewhat inadequate (26 percent) or very inadequate (43 percent).

"Not only are people recognizing this is an immediate problem, but they're now at the point of realizing it's going to be a long-term problem," said PPIC President and CEO Mark Baldassare. "The length and the severity of this drought have led to a different mindset."

Cathy Ferrato, of San Jose, got so ticked off this week when she saw an apartment complex on Payne Avenue watering its ivy and lawns that she drove into the complex to berate the manager. But the office was closed

"Everyone knows you don't need to water ivy," said Ferrato, a stay-at-home mother of two. "I just think it's really selfish. I feel everyone else is doing their part, and then I see that green lawn that stands out."

Ferrato, 47, said California's last huge drought in the late '70s made such an impression on her as a child that she's very sensitive to the state's water plight now and has been policing the duration of her children's showers. "It's really important that people pay attention," she said.

Baldassare said "that's what life in California is going to be like now — people looking at what's going on around them and wondering how it's going to impact them not just now but in the long term."

On Wednesday, the state Senate Budget Committee approved a \$1 billion proposal to speed spending on water and flood-control projects. Funding for immediate drought relief and expedited infrastructure spending received unanimous support, while a separate measure authorizing fines for illegal diversions of water was passed over Republican objections.

In January 2014, Gov. Jerry Brown asked for water agencies and residents to aim for 20 percent reductions in water use, but the state hasn't come close to meeting that mark. With California's fourth summer of drought fast approaching, the State Water Resources Control Board last week banned Californians from watering lawns and landscaping with potable water within 48 hours after measurable rainfall. It also required cities, counties and water districts to limit lawn watering to twice a week — unless they're already limiting it to three or more days, in which case they can stick with the higher limit.

THURSDAY, MARCH 26, 2015

Not all Californians think their neighbors are blowing it.

Charles Konigsberg of Oakland said he and his wife have "cut back more than 50 percent" on water use in recent months by reducing their garden watering and using less inside the house. And he's proud that neighbors on his Montclair District cul-de-sac are doing likewise.

"This is a serious issue, and we all need to take it to heart," said Konigsberg, 83, a former horticulture teacher at Merritt College in Oakland and Foothill College in Los Altos Hills.

The PPIC poll of 1,706 California adults was conducted March 8 through March 17. The margins of error are plus or minus 3.7 percentage points for all adults and 4.7 percentage points for the 1,064 likely voters.

The poll also found Californians are evenly split three ways on whether the condition of their roads, highways and bridges is a big problem, somewhat of a problem, or no problem. But while 53 percent of adults say spending more to maintain this infrastructure is very important for the state's future, only 18 percent favor increasing the state's gas tax. Twenty-three percent favor increasing the vehicle registration fee, and 47 percent favor borrowing the money by issuing bonds that would be paid off from the state's general fund.

Californians are split on the high-speed rail project championed by Brown. When read a brief description of it and its costs, 47 percent of adults favored it and 48 percent opposed it. When asked how they would feel if it cost less, support increased to 64 percent. But only 28 percent now say high-speed rail is very important for the state's future quality of life and economic strength, down from 35 percent a year ago.

Californians are less worried about the state budget now than at any time since May 2007, and the poll found 48 percent of likely voters favor extending the Proposition 30 income and sales tax increases beyond 2018. However, only 32 percent of likely voters favor making the tax hikes permanent.

TUESDAY, MARCH 31, 2015

FREMONT

**Broken water main
causes sinkhole**

Water district crews temporarily repaired a water main break that caused a sinkhole and shut down a portion of a road near Washington High School on Monday, officials said.

Water was restored for approximately 40 people around noon, said Frank Jahn, public information supervisor for the Alameda County Water District.

A private contractor working on the Oracle Commons development project undermined an 8-inch water main while installing a pipe, rupturing the water line, Jahn said.

The resulting damage

caused a 12-foot-square sinkhole, Fremont police spokeswoman Officer Geneva Bosques said.

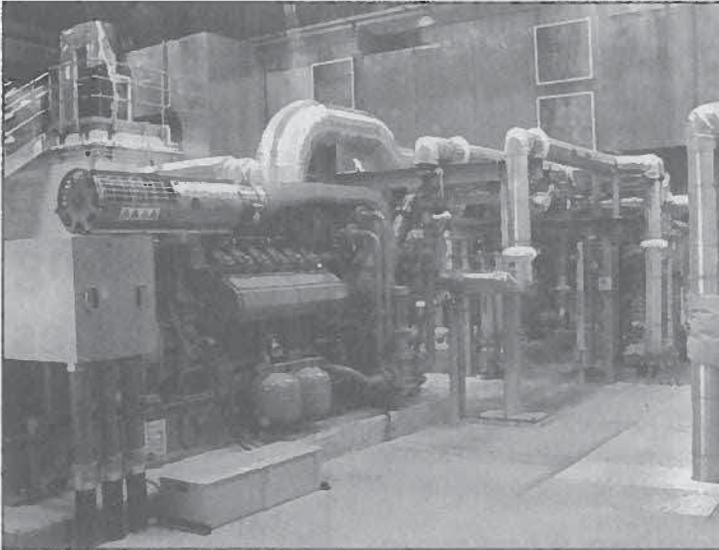
The contractor is working with the city to repair the sinkhole and will be charged for all damage costs.

Eggers Drive was shut down between Fremont Boulevard and Fabian Common.

Late Monday, crews from the water district were working to repair the problem, Bosques said.

— Rick Hurd and
Katrina Cameron, Staff

The other side of the faucet



What happens to 33 million gallons of wastewater every day in the Tri-City area? Although most of us don't think about this question, ignorant of what happens in over 800 miles of sewer lines beneath our feet, someone has to take care of what goes down the drain. Union Sanitary District (USD) is focused on that issue to making sure it not only processes and disposes of that waste, but does it in a safe, environmentally sensitive and efficient manner. As USD receives wastewater, pollutants including biological waste and chemicals

are removed before cleaned effluent is ready for disposal.

USD Board of Directors Manny Fernandez, Tom Handley, Pat Kite, Anjali Lathi, Jennifer Toy and USD General Manager Paul Eldredge introduced a new "cogeneration facility" on March 26, 2015 at USD Headquarters in Union City. The sound of generators filled the air. Enclosed in a new building next to a separate enclosure housing "digesters," two 850 kW engines were

hard at work, producing energy from methane gas released through the digesting process, saving the utility up to \$1.6 million per year. A gas conditioning system cleans and pressurizes gas from the digesters to create acceptable fuel for the engines. In return, output from the cogeneration engines creates electricity to power the facilities at USD headquarters and heat to facilitate the treatment process.

Eldredge explained the process and told attendees that the capital cost of \$14.5 million was expected to be returned by the new efficient system in 10 years.

Want to know more about what happens on the other side of the faucet? USD is hosting a family friendly open house on Saturday, May 9 from 10 a.m. to 2 p.m. including tours, demonstrations and chats with staff.

Union Sanitary District
5072 Benson Road, Union City
(510) 477-7500
www.unionsanitary.com



USD General Manager Paul Eldredge

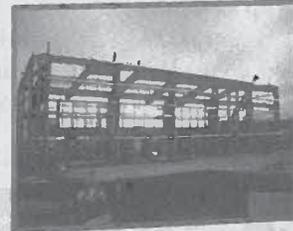


THE PAYOFF:

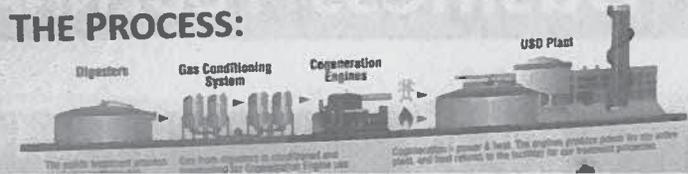
- Energy Savings** of up to \$1.6 million per year
- Enough Energy** to power up to 2,266 homes annually
- Heat Recovery** for efficient operation of our digesters
- Estimated Payback:** approximately 10 Years

THE PROJECT:

- Equipment:**
 - Two 850 kW engine generators, 12 cylinders, 36.7 liters each
 - Gas Conditioning System (chillers, tanks and blowers to clean gas)
- Housing:** 5,000 sq. ft. metal building, 30 ft. tall
- Total Project Cost:** \$14.5 million
- Project Designer:** Carollo Engineers
- Contractor:** D.W. Nicholson
- Construction:** April 2013 to February 2015



THE PROCESS:





The New York Times <http://nyti.ms/1EFIK16>

U.S.

California Imposes First Mandatory Water Restrictions to Deal With Drought

By ADAM NAGOURNEY APRIL 1, 2015

PHILLIPS, Calif. — Gov. Jerry Brown on Wednesday ordered mandatory water use reductions for the first time in California’s history, saying the state’s four-year drought had reached near-crisis proportions after a winter of record-low snowfalls.

Mr. Brown, in an executive order, directed the State Water Resources Control Board to impose a 25 percent reduction on the state’s 400 local water supply agencies, which serve 90 percent of California residents, over the coming year. The agencies will be responsible for coming up with restrictions to cut back on water use and for monitoring compliance. State officials said the order would impose varying degrees of cutbacks on water use across the board — affecting homeowners, farms and other businesses, as well as the maintenance of cemeteries and golf courses.

While the specifics of how this will be accomplished are being left to the water agencies, it is certain that Californians across the state will have to cut back on watering gardens and lawns — which soak up a vast amount of the water this state uses every day — as well as washing cars and even taking showers.

“People should realize we are in a new era,” Mr. Brown said at a news conference here on Wednesday, standing on a patch of brown and green grass that would normally be thick with snow at this time of year. “The idea of your nice little green lawn getting watered every day, those days are past.”

Owners of large farms, who obtain their water from sources outside the local water agencies, will not fall under the 25 percent guideline. State officials noted that many farms had already seen a cutback in their water allocations because of the

drought. In addition, the owners of large farms will be required, under the governor's executive order, to offer detailed reports to state regulators about water use, ideally as a way to highlight incidents of water diversion or waste.

Because of this system, state officials said, they did not expect the executive order to result — at least in the immediate future — in an increase in farm or food prices.

State officials said that they were prepared to enforce punitive measures, including fines, to ensure compliance, but that they were hopeful it would not be necessary to do so. That said, the state had trouble reaching the 20 percent reduction target that Mr. Brown set in January 2014 when he issued a voluntary reduction order as part of declaring a drought emergency. The state water board has the power to impose fines on local water suppliers that fail to meet the reduction targets set by the board over the coming weeks.

The governor announced what amounts to a dramatic new chapter in the state's response to the drought while attending the annual April 1 measuring of the snowpack here in the Sierra Nevada. Snowpacks are critical to the state's water system: They store water that falls during the wet season, and release it through the summer.

In a typical year, the measure in Phillips is around five or six feet, as Frank Gehrke, chief of the California Cooperative Snow Survey Program, indicated by displaying the measuring stick brought out annually. But on Wednesday, Mr. Brown was standing on an utterly dry field after he and Mr. Gehrke went through the motions of measuring a snowpack. State officials said they now expected the statewide snowpack measure to be about 6 percent of normal.

"We are standing on dry grass, and we should be standing on five feet of snow," Mr. Brown said. "We are in an historic drought."

Water has long been a precious resource in California, the subject of battles pitting farmer against city-dweller and northern communities against southern ones; books and movies have been made about its scarcity and plunder. Water is central to the state's identity and economy, and a symbol of how wealth and ingenuity have tamed nature: There are golf courses in the deserts of Palm Springs, lush gardens and lawns in Los Angeles, and vast expanses of irrigated fields of farmland throughout the Central Valley.

Given that backdrop, any effort to force reductions in water use could be politically contentious, as Mr. Brown himself acknowledged. “This will be somewhat of a burden — it’s going to be very difficult,” he said. “People will say, ‘What about the farmers?’ Farmers will say, ‘What about the people who water their lawns?’ ”

Within hours of Mr. Brown’s announcement, Representative Kevin McCarthy, the California Republican who is the House majority leader, announced plans to renew efforts in Congress to pass legislation requiring the building of two huge water facilities in the state. The efforts had been blocked by Democrats concerned that the water projects would harm the environment and damage endangered species of fish.

“The current drought in California is devastating,” Mr. McCarthy said. “Today’s order from the governor should not only alarm Californians, but the entire nation should take notice that the most productive agriculture state in the country has entered uncharted territory.”

“I’m from the Central Valley, and we know that we cannot conserve or ration our way out of this drought,” he said.

The newly mandated 25 percent cut is in relation to total water use in the state in 2013. Cuts will vary from community to community, reflecting that per capita water use reduction has been better in some areas than others. In addition, the state and local governments will offer temporary rebate programs for homeowners who replace dishwashers and washing machines with water-efficient models.

Mr. Brown said the state would impose water-use restrictions on golf courses and cemeteries and require that nonpotable water be used on median dividers.

Lawns consume much of the water used every year in California, and the executive order calls for the state, working with local governments, to replace 50 million acres of ornamental turf with planting that consumes less water.

The order also instructs water authorities to raise rates on heavy water users. Those pricing systems, intended to reward conservers and punish wasters, are used in some parts of this state and have proved effective, state officials said.

Felicia Marcus, the chairwoman of the State Water Resources Control Board, said that California would leave it to local water providers to decide how to enforce the reductions on homeowners and businesses. She said she anticipated that most of the restrictions would be aimed at the outdoor use of water; many communities have already imposed water restrictions on lawns and gardens, but Ms. Marcus suggested they had not gone far enough.

“We are in a drought unlike one we’ve seen before, and we have to take actions that we haven’t taken before,” she said. “We are not getting the level of effort that the situation clearly warrants.”

Mark W. Cowin, the director of the California Department of Water Resources, said the state would tightly monitor compliance, in the hope that would be enough to accomplish the 25 percent reduction. If it is not, the order authorizes water suppliers to penalize offenders.

“We are looking for success, not to be punitive,” Mr. Cowin said. “In the end, if people and communities don’t comply, there will be repercussions, including fines.”

A version of this article appears in print on April 2, 2015, on page A1 of the New York edition with the headline: California Puts Mandatory Curbs on Water Use.

© 2015 The New York Times Company

ALAMEDA COUNTY WATER DISTRICT

Serving the cities of Fremont, Newark, and Union City, California

Information for...

- CUSTOMERS
- DEVELOPERS & CONSULTANTS
- VENDORS
- EDUCATORS & STUDENTS
- JOB SEEKERS
- THE PRESS

I Want To...



You are here: Home > News Flash

Search



About ACWD

Construction Projects

Development Services

Fish Passage & Related Projects

Forms, Permits & Applications

Groundwater Resources

Rapid Alert Notification System

Transparency Information

Customer Help Center

- Your Account
- Bill Payment Options
- Report A Concern
- Notify Me

Water Emergencies (510) 668-6500

Water Quality

Water Conservation

Agendas Minutes

Home

Posted on: February 26, 2015

Notice of Proposed Increase in the Bimonthly Service Charge

ACWD staff has determined that an 8% overall increase in revenue is required due to increased capital and operating costs. Accordingly, the District is proposing increases to the service charge portion of customer water bills. For most single family residential customers with 5/8 or 3/4-inch meters, this would result in a bimonthly bill increase of approximately 8% - the bimonthly service charge would increase by \$9.59, or \$4.80 per month while the current commodity rate and drought surcharge would remain unchanged.

A public hearing on the proposed increases will be held at 6:00 PM on Tuesday, April 14, 2015 in the Board Room at ACWD headquarters.

[Proposition 218 Notice & additional information](#)



Previous

Winter 2015 Aqueduct Now Available

Other News in Home

ACWD to Host Community Meeting on Saturday, April 4

Posted on: March 25, 2015

Groundwater Sampling to Result in Temporary Runoff to Storm Drains

Posted on: March 17, 2015

Winter 2015 Aqueduct Now Available

Posted on: March 3, 2015

Search

All categories



Tools

RSS

Categories

- All Categories
- Home



MAILING ADDRESS:
 Alameda County Water District
 43885 S. Grimmer Blvd
 Fremont, CA 94538

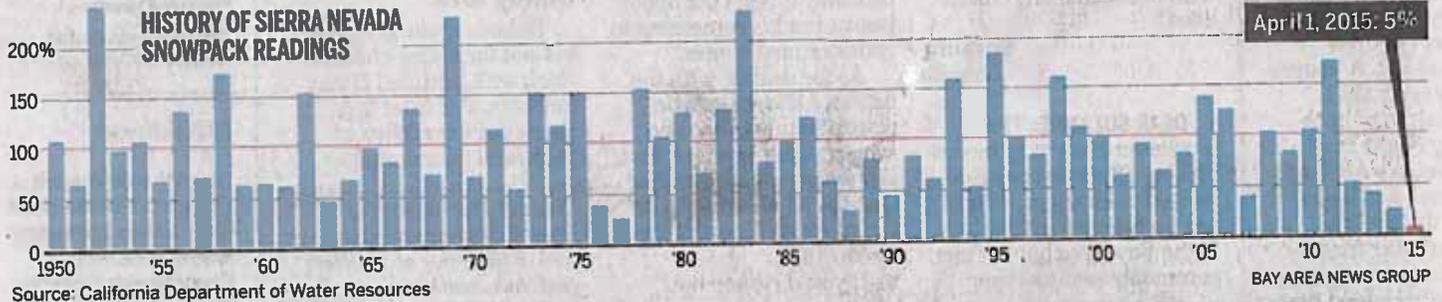
BUSINESS HOURS
 8:00 am to 5:00 pm
 Monday - Friday (except holidays)
 Ph: (510) 668-4200

Home
 Contact Us
 Directions
 Departments

Powered by

California's drought

ZERO SNOWPACK — MANDATORY CUTS



2015
No snow measured at Echo Summit site for first time in 75 years.

MAX WHITTAKER/GETTY IMAGES

Gov. Jerry Brown accompanies Frank Gehrke, chief of snow surveys, during a snow survey Wednesday in a dry meadow near Echo Summit.

2014

Snowpack was 33.7 inches deep



RICH PEDRONCELLI/ASSOCIATED PRESS ARCHIVES

GOV. BROWN'S WATER ORDERS

Usage: Cut urban water use statewide by 25 percent compared with 2013.

Potable water: Require businesses, industries, campuses, golf courses and cemeteries to make similar reductions.

Rates: Require urban suppliers to price water so that the heaviest users pay more.

SIERRA SNOW SURVEY

Gov. Brown issues an emergency order on heels of historic measurement

By Lisa M. Krieger

lkrieger@mercurynews.com

In a historic declaration atop a Sierra summit barren of snow, Gov. Jerry Brown on Wednesday ordered California's first-ever mandatory statewide water restrictions, threatening hefty fines for communities — and potential rate hikes for residents — that fail to hit stepped-up conservation targets as the worst drought in state history enters its fourth year.

The governor's emergency order comes after a year of requests for voluntary conservation — and a record-breaking warm and dry spell culminating in the worst April snowpack in recorded history — failed to alarm many Californians enough to

See DROUGHT, Page 7

Drought

Continued from Page 1

cut back on water.

Now, facing criticism that the state has done too little to respond to the drought, Brown has unleashed a wide range of water-saving directives, calling for a 25 percent statewide reduction in urban water use from 2013 levels; boosting enforcement of water waste; requiring drip irrigation at new construction; cracking down on farmers who illegally divert water from irrigation canals; and investing in new water-saving technologies.

Most of the new rules would have to be implemented at the local level, and water district officials around California on Wednesday were scrambling to figure out how to meet Brown's targets.

"This historic drought demands unprecedented action," Brown said standing amid grass, dirt and rocks during April's annual snowpack measurement at Echo Summit off Highway 50, southwest of Lake Tahoe.

He urged Californians to "pull together and save water in every way possible."

Snow surveyors found no snow at the Phillips Station site — the first time that's happened in 75 years of early April measurements. In an average year, the site would have 5.5 feet of snow. Across the Sierra, electronic readings indicate the water content of the snowpack is only 5 percent of average.

That shattered the previous low record of 25 percent of the average April snowpack, set last year and in 1977. The implications are huge for the cities, farms and wildlife that depend on melting snowpack to yield water during the spring, summer and fall.

Snowpack traditionally is at its peak by early April, before it begins to melt. With the state's historically wettest winter months now gone, the drought is now firmly rooted in its fourth consecutive year.

Until now, efforts to achieve the state's voluntary 20 percent water conservation goal have been disappointing, with Californians cutting water use at homes and businesses only 8.8 percent statewide in January 2014 compared with January 2013, the

baseline year used by state water officials.

"We're not getting the level of effort the situation warrants," Felicia Marcus, chair of the State Water Resources Control Board, said in a Wednesday news conference. "We need to take it to the next level."

Not every community will have to meet the new 25 percent statewide target; some will be higher, while others lower, she added. For instance, places that have already conserved — such as San Francisco, Santa Cruz and Pleasanton — are likely to have lower targets than places where consumption remains high, such as Bakersfield. Specific regulations will be issued in May.

Local water agencies will be tasked with enforcing the new mandates, and those that fail to hit their targets could be fined \$10,000 per day.

So far, the impact of the drought has been felt most acutely by farmers, wildlife and residents of lower-income communities that subsist on shallow private wells.

The new order means much more aggressive

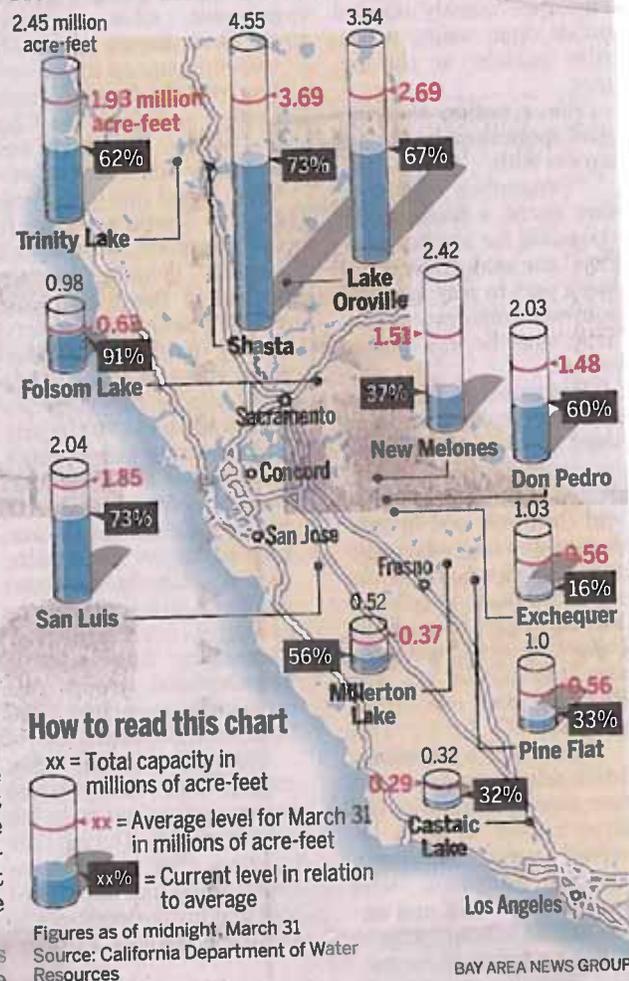
conservation by urban residents, especially "homes on very large lots with a lot of landscaping," said Marcus.

Local agencies are likely to use different tactics to force compliance, such as tiered prices and enforcement measures, she said.

"It wasn't a surprise," said Abby Figueroa, spokeswoman for East Bay Municipal Utilities District, where customers last year cut back 12 to 13 percent. "We're looking at what we need to ask to get 25 percent across the board."

The move from voluntary to mandatory cutbacks will mean adding staff, she said. It has not yet issued fines, but the district calls, emails and visits excessive water users.

Reservoir levels offer little relief



Santa Clara Valley Water District last week called for 30 percent reductions, increasing its voluntary conservation target from 20 percent, said spokesman Marty Grimes. The district is already limiting lawn watering to two days a week.

"It's not important to us whether every single individual meets it or exceeds it. We're just looking at bottom-line numbers," he said.

In addition to the 25

percent statewide cutback, Brown seeks to prohibit new homes from irrigating with potable water unless water-efficient drip irrigation systems are used; ban watering of ornamental grass on public street medians; require campuses, golf courses, cemeteries and other large landscapes to make significant cuts in water use; expand a rebate program to replace old, wasteful appliances; replace 50 million square feet of lawns with drought-tolerant landscaping; and help local governments in lower-income communities to defray the cost.

Agriculture has already been cut back, with the federal Central Valley Project allocating no water to farmers and the State Water Project providing 20 percent of allocations, said Mark Cowin, director of the California Department of Water Resources.

But there will be new rules that allow inspectors to ensure farmers have stopped using water, after official curtailments.

"Ag is already in a deep, deep hole, and now certain urban and suburban folks are going to feel the same scarcity," said Chris Shearing, an attorney who oversees water policy for the California Farm Bureau Foundation. "That tells you how deep we are into this thing."

The new rules will not restrict farmers from pumping groundwater, Cowin said. Although there will be a new requirement that some groundwater basins be measured more closely, "this is not a great time to ask folks who won't receive surface water to also restrict groundwater," he said.

The state also hopes to help people, expanding its emergency aid to low-income communities where wells are running dry, such as Tulare, Fresno and Madera counties.

Water tanks, supplies and bottled water will be delivered to places where all available water has been exhausted, said Mark Ghilarducci, director of the California Office of Emergency Services.

"Desperate times call for desperate measures," said Marcus.

Staff writers Nicholas Weiler and Kerry Klein contributed to this report. Contact Lisa M. Krieger at 650-492-4098.



RICH PEDRONCELLI/ASSOCIATED PRESS

Chief of snow surveys Frank Gehrke, left, accompanied by Gov. Jerry Brown, center, and Mark Cowin, director of the Department of Water Resources, points to a mark on the snowpack measuring pole that was the lowest previous level.

CONSERVATION

Santa Cruz, Tri-Valley know a thing or two about cutting water use

By Nicholas Weller,
Kerry Klein and Denis Cuff
Staff writers

To see how Californians can drastically cut back on their water use as ordered Wednesday by Gov. Jerry Brown, look no further than the East Bay's Tri-Valley area and the city of Santa Cruz.

They already did it last year.

Santa Cruz, Pleasanton, Livermore and Dublin all reduced their water use by 25 percent or more in 2014 by imposing a mix of tiered water rates, penalties and bans on wasteful practices. Residents replaced old toilets and appliances with more efficient models, installed low-flow faucets and gathered water from shower buckets to landscape

Water

Continued from Page 1

their yards.

In addition to mandatory water rationing for every home, Santa Cruz held "water school" for violators and even banned refilling hot tubs.

The penalties could be shocking. One Santa Cruz resident went to Hawaii on vacation for eight days, not realizing the flapper in his toilet tank was leaking. When he came back, he had a \$4,000 water bill.

By far the biggest way Santa Cruz residents saved water was by letting their yards go dry, said Toby Goddard, conservation manager for the Santa Cruz Water Department.

"It showed," Goddard

said. "You could drive down the street last year and see lawns were brown and landscapes were parched."

Most residents were supportive. But "certainly there were people who were not excited about letting their lawns die," said Eileen Cross, community relations manager for the Santa Cruz Water Department. "But it's our job to manage water supply so everyone has enough."

The restrictions were necessary in the Tri-Valley because it gets 80 percent of its water from the state water project, which last year gave water contractors only 5 percent of their allocation. And Santa Cruz County is one of only a few counties in the state that imports none of its water, essentially depending on

rainfall on its side of the Santa Cruz Mountains.

Former Santa Cruz Mayor Lynn Robinson was planting succulents at her home Wednesday afternoon when she got the news about the governor's new water restrictions.

A professional landscaper, Robinson advised residents with green thumbs to keep tabs on their household's water allotment and use it to nurture plants they really like. In the past year, Robinson said she has tried to talk people out of letting their avocado trees die because they didn't want to use the water.

"If you're well within your allotment, don't let a tree die that you've had for years," Robinson said.

In the Tri-Valley area, water managers say the

savings were met primarily because customers halved their outdoor water use.

"The 25 percent savings was doable, but we had to be pretty tough," said Dan Gallagher, operations manager of the Dublin San Ramon Community Services District.

Going beyond what the governor has just asked, the district barred watering of lawns in winter and limited it to once a week in spring — and only twice a week in summer.

The district fined households using more than 4,480 gallons a week. Fines were excused for most violators, however, when they slashed their use.

Dublin resident Lori Martin, who owns a three-bedroom house with outdoor landscaping, cut her household water use more

000 BAY AREA NEWS GROUP A7

than in half to a mere 55 gallons a day.

Martin didn't water her lawn at all. And she watered plants with rinse water she collected in pitchers from her sink and her shower.

"I realize we have to grow out of the habit of keeping all our lawns green because we don't have that much water," Martin said. "It's like if you have high blood pressure, you can't take salt anymore."

Some Bay Area residents on Wednesday who live in places with only voluntary restrictions now said they were ready for change.

The governor "should have asked for 50 percent," said Pat Felice, a 55-year-old farmer from Gilroy. He also suggested homeowners let their lawns go brown.

"It looks ugly, but to me

it makes a statement," Felice said.

Software engineer Yogesh Naik, 30, of San Jose, takes issue with everyday water wasting — for instance, when people leave their faucets running while brushing their teeth and shaving.

"I see people walk away from the tap to answer their phone," he said. "They shouldn't be doing that."

Sylvia Machin, a 70-year-old retired San Jose teacher, is glad the state is getting tough. She lives in an apartment now, but she said if she still had a lawn, she'd let it die.

"I have water to drink," Machin said, "and that's the most important."

Stephen Baxter of the Santa Cruz Sentinel contributed to this report.

Governor's mandatory reductions

State faces uphill fight to meet water targets

Few districts, cities have cut usage by a significant amount

By Paul Rogers

progers@mercurynews.com

California's cities and water districts have a long way to go to cut water use by 25 percent, the amount Gov. Jerry Brown is now demanding, according to a new analysis of state records by this newspaper.

Last year, only 14 of the state's 412 largest cities and

water districts — just 8 percent — reduced consumption by that amount despite the historic drought.

On Wednesday, facing a worsening drought, Brown signed an executive order requiring cities and water districts to cut water use by 25 percent compared with 2013 levels or face fines of up to \$10,000 a day this summer.

When Brown asked for a voluntary 20 percent reduction last year, most cities,

See **DROUGHT**, Page 6

Gallons per day



Drought

Continued from Page 1

private water companies and water districts responded with mostly voluntary measures, delivering only a 9.7 percent statewide reduction. Fines for wasting water were almost nonexistent.

Those days will soon be over, state officials say, now that the drought is heading into a fourth year with virtually no Sierra snowpack and no end in sight.

"It's been disappointing," said Felicia Marcus, chairwoman of the State Water Resources Control Board, which will enforce the new rules.

"Some areas have stepped up enormously, but others have not," she said in an interview Thursday. "It's sort of a case of collective denial. Getting people over the hope that rain will save us is a psychological barrier. Change is hard."

Marcus also offered new details of how the governor's new rules will be enforced.

At its meeting on May 5, the state water board will vote on specific regulations, now being drafted by its staff, that will set varying conservation targets for each city and water district.

Every community won't be required to cut water use by the same 25 percent. The board, she said, will closely analyze per-capita water use records from each area and set a sliding scale based on who has already conserved significantly and who hasn't.

Since June, every water agency in California with more than 3,000 customers has been required to submit monthly reports to the state

water board.

A review of those reports by this newspaper found a wide disparity in per-capita residential water use.

The state average is 133 gallons per person per day. But many major urban areas — with years of conservation campaigns, recycled water projects and rebates for people who install water-efficient appliances or replace lawns with drought-tolerant plants — use substantially less than that.

From June through January, for example, the 1 million customers of San Jose Water Co. averaged 85 gallons a day. The city of Los Angeles averaged 83. East Bay Municipal Utility District averaged 82, and Contra Costa Water District 113.

San Francisco, where many residents live in apartments with no lawns, averaged only 45 gallons, similar to Santa Cruz, whose strict rationing program last year cut its residential per-capita use to 46 gallons a day.

Some of the largest water-guzzling communities are in the Southern California desert. Palm Springs, for instance, averaged 347 gallons.

After the state water board decides on the conservation targets, the new rules will take effect June 1, Marcus said.

How each water agency will hit its target will be up to local leaders. But Marcus said California residents should expect many cities and water districts to impose new penalties for high water use, hire "water cops" to write tickets for watering on the wrong days or wasting water, and set up more programs to fund rebates to remove lawns and replace

Northern California water use

The per-capita water use of communities varies widely, as do their conservation rates compared with the year before. New state rules mean communities with high per-capita use will be required to cut back more than those with low use.

City/community	Change in water usage since 2013	Average residential gallons per capita in 2014-15
Hillsborough	-25%	250
Bear Gulch (California Water Service Co.)	-11%	188
Los Altos (California Water Service Co.)	-16%	135
Benicia	-21%	122
Sonoma	-16%	114
Contra Costa Water District	-15%	113
Pleasanton	-31%	103
Livermore (California Water Service Co.)	-32%	98
Napa	-10%	97
Palo Alto	-15%	96
Gilroy	-15%	94
Pittsburg	-13%	90
Marin Municipal Water District	-15%	90
Hollister	-11%	87
Milpitas	-11%	87
Livermore Division of Water Resources	-28%	87
Watsonville	-13%	87
San Jose Water Co.	-13%	86
American Canyon	-16%	85
Vallejo	-9%	84
Burlingame	-27%	84
San Jose	-11%	83
East Bay Municipal Utilities District	-13%	82
Menlo Park	-10%	81
Millbrae	-10%	81
San Jose (Great Oaks Water Co.)	-17%	79
Santa Clara	-11%	78
Scotts Valley Water District	-20%	74
Alameda County Water District	-20%	74
Dublin San Ramon Services District	-30%	73
Mountain View	-14%	69
Sunnyvale	-15%	69
Foster City (Estero Municipal Improvement District)	-9%	63
Bay Point (Golden State Water Co.)	-12%	63
Half Moon bay (Coastside County Water District)	-9%	62
Hayward	-12%	59
Redwood City	-15%	59
Daly City	-11%	56
Pacifica (North Coast County Water District)	-12%	54
East Palo Alto	15%	51
San Bruno	-8%	49
South San Francisco (California Water Service Co.)	-8%	46
Santa Cruz	-24%	46
San Francisco PUC	-8%	45
Other areas		
Bakersfield	-8%	217
Fresno	-18%	126
Sacramento	-19%	113
Los Angeles	-7%	83
San Diego	-3%	71

Source: State Water Resources Control Board BAY AREA NEWS GROUP

old appliances, with the state helping fund them.

"We hope to see greater enforcement from local agencies," she said. "We want people to act quickly because the summer months are when most water is used. We don't have any time to waste."

The reaction from major Bay Area water providers Thursday was mixed.

Abby Figueroa, a spokeswoman for East Bay Municipal Utility District, said the district's board will vote April 14 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" on people who use three times as much water or more than the East Bay average.

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.

What San Jose Water Co., a privately held firm that supplies Silicon Valley's largest city, will do to meet a statewide mandate was unclear Thursday. The company's customers cut water use 12.9 percent last year from the prior year.

San Jose Water has asked customers to water lawns no more than three days a week, but it has not fined violators or imposed penalties for excessive water use. But the company has increased voluntary water audits and public relations campaigns, in addition to proposing a 21 percent rate increase over the next three years.

Spokesman John Tang

said the company is waiting for direction from the state Public Utilities Commission, which regulates private water companies. Asked what options it has suggested to the PUC, he declined to say.

Like cities, many water companies are reluctant to cut water use because it reduces their revenue.

"It will be up to us to figure out how best to spur people to respond, and we'll try to figure that out," Tang said.

Santa Cruz officials say their City Council will vote April 14 on whether to reinstate a rationing program that cut water use by a quarter last year by providing every home 10 units of water for about \$4 per unit — and basically charging \$50 per unit above that.

"I think it's fair that the state is cracking down on communities who haven't taken this drought seriously," said Eileen Cross, a spokeswoman for the Santa Cruz Water Department. "It's a statewide problem. We all have to address it together."

Some of the highest per-capita water users say they are moving quickly to put in new rules. The City Council in Hillsborough, with its large lots, affluent residents and the Bay Area's highest per-capita daily water use at 250 gallons, will take up the issue April 13.

"Historically, every time there has been a statewide call to reduce water use, we have come out very strong," said City Manager Randy Schwartz. "We have cut water use almost 25 percent in the past year, and we are sending out notices letting residents know about the governor's order."



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

David M. O'Hara
Attorney

DATE: April 6, 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. 9 - Meeting of April 13, 2015
Award the Construction Contract for the Newark Backyard Sanitary Sewer Relocation Project – Phase 2 to Ranger Pipelines, Inc.

Recommendation

Award the construction contract for the Newark Backyard Sanitary Sewer Relocation Project – Phase 2 to Ranger Pipelines, Inc. in the amount of \$2,085,270. Funds for the Project have been budgeted in the Renewal and Replacement Fund.

Background

The purpose of the Newark Backyard Sanitary Sewer Replacement Project is to improve the existing gravity sewer system within the residential neighborhood located northerly of the intersection of Dairy Avenue and Cherry Street in the City of Newark. The existing sewers are only 6 inches in diameter, have very flat slopes, and require frequent maintenance. The sewers are also located in backyard easements and are very difficult to access for maintenance and inspection. The goal of the project is to relocate the existing backyard sewer mains and laterals to the public streets fronting the homes.

The Newark Backyard Sanitary Sewer Relocation Project Phase 2 is the second phase of the three-phase project to relocate the sanitary sewer mains in the Flat Tops area. In Phase 1, 33 sewer laterals were relocated to the Dairy Avenue and Cherry Street. Phase 2 includes the relocation of 93 sanitary sewer laterals to new sanitary sewer

Desk Item
Item No. 9
4/13/15
Board Meeting

mains that will be constructed within George Avenue, Jennifer Street, Deborah Street, Leone Street and parts of Zulmida Avenue and Noel Avenue. A vicinity map showing the project area is attached.

Scope of Work

The Project consists of the following major work items:

- Construction of approximately 3,755 linear feet of 8-inch diameter sanitary sewer by open-cut method.
- Installation of 4-inch diameter sanitary sewer laterals, primarily by horizontal directional drilling (HDD) for 93 residences.
- Connection of existing concrete encased front yard sanitary sewer laterals to new sanitary sewer mains for 10 residences.
- Removal of approximately 475 linear feet of existing 6-inch diameter sanitary sewer.
- Abandonment of approximately 3,535 linear feet of existing 6-inch diameter sanitary sewer.
- Construction of 12 standard sanitary sewer manholes.
- Removal of 11 sanitary sewer manholes/risers and abandonment of 8 sanitary sewer manholes/risers in place.

Bid Results

The project was advertised for bids on March 3, 2015 and then again on March 10, 2015. Two bids were received and opened on March 31, 2015 with the total bid amounts shown as follows:

Contractor	Total Base Bid Amount
Ranger Pipelines, Inc.	\$2,085,270.00
K.J. Woods Construction, Inc.	\$2,088,000.00

The engineer's estimate for the Project was \$2,574,000. A bid tabulation sheet is attached.

Seven prospective bidders attended the mandatory pre-bid meeting on March 19, 2015, yet only two bids were received. One contractor couldn't meet the horizontal directional drilling (HDD) experience qualification required. Another contractor felt their bid would not be competitive. Other contractors did not submit bids due to conflicts with their own construction schedules.

Ranger Pipelines, Inc. Bid

Ranger Pipelines, Inc. submitted the apparent low bid of \$2,085,270 that is approximately ~~9.0~~19.0% below the Engineer's Estimate of \$2,574,000. Ranger Pipeline's bid is only \$2,730 more than the bid submitted by the second bidder, K.J. Woods Construction. District staff reviewed the bid documents submitted by Ranger Pipelines, Inc. and found them to be in order. Ranger Pipelines, Inc.'s contractor license is current and active. Ranger Pipelines, Inc. has completed multiple capital improvement projects in other public agencies and for the District over the past several years. The most recent project completed for the District was the Newark Backyard Sanitary Sewer Relocation Project - Phase 1. The project was completed within the contract time allowed with minimal change orders totaling 0.5% of the construction contract amount. Staff was satisfied with their work performance for the project.

Construction

The contractor has 150 consecutive calendar days to complete the project from Notice to Proceed, which puts the estimated substantial completion date in late September 2015. Project design was completed by West Yost Associates in March 2015. Full time construction management and inspection will be provided from an outside consultant yet to be selected.

Ranger Pipelines has verified and confirmed the bid with staff and there has been no bid protest received from the other bidder. Staff recommends that the Board award the construction contract for the Newark Backyard Sanitary Sewer Replacement Project – Phase 2 to Ranger Pipelines, Inc. in the amount of \$2,085,270.

PRE/SEG/RRA/ADB:ks

Attachments: Vicinity Map
Bid Tab Sheet



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

David M. O'Hara
Attorney

DATE: April 7, 2015

MEMO TO: Board of Directors - Union Sanitary District

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

SUBJECT: Agenda Item No. 14b - Meeting of April 13, 2015
Information Item: **Cogeneration Project Construction Contract
Change Order Summary**

Recommendation

This is an information item.

Background

The Board awarded the construction contract for the Project to D. W. Nicholson Corporation (DWN) in the amount of \$10,566,358 on March 11, 2013. Staff issued the Notice to Proceed to DWN on April 5, 2013. The Project's original construction period was five hundred twenty-five (525) calendar days with a commissioning of the new engine generators by June 13, 2014 (Milestone A) to meet PG&E's Self-Generation Incentive Program (SGIP) deadline and completion of all Project elements by September 11, 2014.

Due to delays resulting from several contract change orders (CCOs), staff executed CCO No. 67 that extended the Milestone A and project completion dates to November 17, 2014 and February 2, 2015, respectively. Staff issued Project Substantial Completion and the punch list of outstanding contract work items to DWN on March 4, 2015. All field work is expected to be completed by early May 2015.

Carollo Engineers designed the Project and The Covello Group provided construction management services.

Desk Item
Item No. 14.b
4/13/15
Board Meeting

CCO Summary

As of April 7, 2015, staff has executed ninety-seven (97) CCOs in the amount of \$1,113,617, which is 10.5% of the original construction contract amount. Below is a summary of the significant executed CCOs:

1. CCO No. 10, Modifications to Medium Voltage Switchgear MVSA

Change Order No. 10 is in the amount of \$175,919 and is for incorporating modifications to the Plant main switchgear. PG&E required the District to install protective devices on the plant's 12,000-volt electrical switchgear to monitor the power from the biogas-fired engine generators and to prevent the export of power to PG&E's grid. PG&E's requirements were not known during the design phase, so the new protective devices for the main utility breaker were not included in the electrical switchgear plans and specifications. The CCO included a new standalone enclosure with the new protective devices and switches, terminations of wires within the switchgear, current-measuring devices in the switchgear, testing of the new devices in conjunction with the existing main utility breaker, and DWN's supplier's engineering services. This CCO was approved by the Board of Directors during the Board meeting of October 14, 2013.

2. CCO No. 27, High Temperature Jacket Water Pump and Decoupling Heat Exchanger

Change Order No. 27 is in the amount of \$98,500 and is for the extra work pertaining to the high temperature jacket water pump and decoupling heat exchanger. The initial cogeneration equipment submittal had initially shown the mentioned equipment to be mounted on each of the two engine generator skids. However, the supplier's cogeneration equipment final submittal showed an additional decoupling heat exchanger, and associated pumps and valves, on each engine unit, all being provided at no additional charge. The additional equipment was a highly recommended requirement of the engine manufacturer to extend the life of the engine coolant and reduce engine maintenance and associated downtime and costs. This required the Design Engineer, Carollo, to modify the equipment layout within the Cogeneration Building, which resulted in a CCO to install the equipment and to modify the mechanical, electrical, and instrumentation installation within the building.

3. CCO No. 28, Engine Generator catalyst

Change Order No. 28 is in the amount of \$249,367 and is for the extra work associated with incorporating an oxidation catalyst system to the engines' exhaust piping. The District submitted the air permit application in October 2012 to the Bay Area Air Quality Management District (BAAQMD), which was during the design phase of the Project. The permit application proposed emission limits of 1.0 gram per brake horsepower-hour (g/bhp-hr) of carbon dioxide (CO) and 2.65 g/bhp-hr of nitrogen oxide (NOx) in accordance with published BAAQMD Best Available Control Technology (BACT) guidelines and regulatory limits at the time. The manufacturer of the engine generators could guarantee these emission limits without any emission controls.

After award of the construction contract, the BAAQMD responded in April 2013 to the District's application and proposed permit conditions that set a lower CO limit of 2.1 g/bhp-hr but left the NOx limit at 1.0 g/bhp-hr. To meet the lower CO limit, the District needed to install oxidation catalysts on each engine's exhaust piping.

This CCO included oxidation catalysts and housing; catalyst monitor and differential pressure transmitter; stainless steel exhaust piping, expansion joints, and supports; and electrical conduits and wiring. This CCO was approved by the Board of Directors during the Board meeting of January 27, 2014.

4. CCO No. 57, Delete DGCS Warranty

Change Order No. 57 is in the credit amount of \$186,791 and is for deleting the warranty for the digester gas conditioning system (DGCS) equipment. The SGIP required all of the major components of the cogeneration system carry a minimum ten-year equipment warranty. The warranty would cover the full cost of repair or replacement of defective components or systems, including coverage for labor costs to remove and reinstall defective components or systems. The SGIP required system owners to fulfill the warranty requirements by acquiring standard and extended warranties from the equipment manufacturers or suppliers.

During design, the District applied for and received PG&E's approval to "self-perform" the warranty for the engine generator system. However, the construction contract still included the ten-year warranty for the digester gas conditioning system. During the construction phase, staff discovered that the cost of the ten-year warranty for the DGCS equipment was significant. In October 2014, the District applied for and received PG&E's approval to "self-perform" the warranty of the DGCS equipment. This CCO also deleted a five-

year maintenance bond that insured the equipment supplier's performance. This CCO was approved by the Board of Directors during the Board meeting of November 24, 2014.

5. CCO No. 93, Electrical Modifications for Final Engine System Components

Change Order No. 93 is in the amount of \$77,000 and is for incorporating electrical conduit and wire modifications to accommodate actual devices provided by the engine generator supplier. After reviewing the submittal from the engine generator supplier, Carollo discovered additional temperature elements, pressure switches, vibration switches, and digester and natural gas anti-backfire devices that were not included in the construction contract documents. During design, Carollo worked with the supplier to show the anticipated instrumentation and control equipment in the contract documents. However, during the submittal preparation phase, the supplier "designed" the system based on the technical requirements of the Project. This CCO included installation of new conduits and wiring to these devices between the control room and the field devices in and around the Cogeneration Building.

PCO Summary

In addition to the ~~ninety-three (93)~~[ninety-seven \(97\)](#) executed CCO's, there are twenty-one (21) potential change orders (PCOs) that Covello and staff are currently reviewing. The total amount requested by DWN in the remaining PCOs is \$363,375, which represents an additional 3.4% of the original construction contract amount. Staff anticipates the negotiations of the remaining PCOs to conclude within the next month, and the final CCO rate to remain less than 15%.

PRE/SEG/RC:ks