



BOARD MEETING AGENDA
Monday, May 13, 2019
Regular Meeting - 7:00 P.M.

Union Sanitary District
Administration Building
5072 Benson Road
Union City, CA 94587

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

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|-----------|-----|---|--|
| | 1. | Call to Order. | |
| | 2. | Salute to the Flag. | |
| | 3. | Roll Call. | |
| Motion | 4. | Approve Minutes of the Special Meeting of April 22, 2019. | |
| Motion | 5. | Approve Minutes of the Regular Meeting of April 22, 2019. | |
| Motion | 6. | Approve Minutes of the Combined Board Workshop of April 23, 2019. | |
| | 7. | Written Communications. | |
| | 8. | Oral Communications. | |
| | | <small><i>The public may provide oral comments at regular and special Board meetings; however, whenever possible, written statements are preferred (to be received at the Union Sanitary District office at least one working day prior to the meeting). This portion of the agenda is where a member of the public may address and ask questions of the Board relating to any matter within the Board's jurisdiction that is not on the agenda. If the subject relates to an agenda item, the speaker should address the Board at the time the item is considered. Oral comments are limited to three minutes per individuals, with a maximum of 30 minutes per subject. Speaker's cards will be available in the Boardroom and are to be completed prior to discussion.</i></small> | |
| Motion | 9. | Authorize the General Manager to Execute Amendment No. 2 to Task Order No. 2 with Woodard & Curran, Inc. for the Headworks Screen No. 3 Project <i>(to be reviewed by the Engineering and Information Technology Committee).</i> | |
| Motion | 10. | Consider a Resolution to Accept a Sanitary Sewer Easement for Tract 8054 – Villas at Florio, Located at Carol Avenue and Fremont Boulevard, in the City of Fremont <i>(to be reviewed by the Legal/Community Affairs Committee).</i> | |
| Motion | 11. | Consider a Resolution to Accept a Sanitary Sewer Easement and Quitclaim Two Existing Sanitary Sewer Easements for Tract 8261 – Boulevard Heights, Located at Fremont Boulevard between Chapel Way and Clough Avenue, in the City of Fremont <i>(to be reviewed by the Legal/Community Affairs Committee).</i> | |
| Direction | 12. | Receive Information and Provide Direction Regarding the Private Lateral Outreach Video <i>(to be reviewed by the Legal/Community Affairs Committee).</i> | |

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|-------------|---|
| Information | 13. Status of Priority 1 Capital Improvement Program Projects <i>(to be reviewed by the Engineering and Information Technology Committee).</i> |
| Information | 14. Third Quarterly Report on the Capital Improvement Program for FY19 <i>(to be reviewed by the Engineering and Information Technology Committee).</i> |
| Information | 15. Report on the East Bay Dischargers Authority (EBDA) Meeting of April 18, 2019. |
| Information | 16. Check Register. |
| Information | 17. Committee Meeting Reports. <i>(No Board action is taken at Committee meetings):</i> <ul style="list-style-type: none"> a. Engineering and Information Technology Committee – Thursday, May 9, 2019, at 10:30 a.m. <ul style="list-style-type: none"> • Director Handley and Director Lathi b. Legal/Community Affairs Committee – Friday, May 10, 2019, at 10:30 a.m. <ul style="list-style-type: none"> • Director Fernandez and Director Handley c. Audit Committee – will not meet. d. Budget & Finance Committee – will not meet. e. Legislative Committee – will not meet. f. Personnel Committee – will not meet. |
| Information | 18. General Manager’s Report. <i>(Information on recent issues of interest to the Board).</i> |
| | 19. Other Business: <ul style="list-style-type: none"> a. Comments and questions. <i>Directors can share information relating to District business and are welcome to request information from staff.</i> b. Scheduling matters for future consideration. |
| | 20. Adjournment – The Board will adjourn to a Board Budget Workshop in the Boardroom on Monday, May 20, 2019, at 6:00 p.m. |
| | 21. Adjournment – The Board will then adjourn to a Closed Session in the Alvarado Conference Room on Thursday, May 23, 2019, at 6:00 p.m. |
| | 22. Adjournment – The Board will then adjourn to a Special Meeting in the Boardroom on Monday, June 3, 2019, at 7:00 p.m. |

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If the subject relates to an agenda item, the speaker should address the Board at the time the item is considered. If the subject is within the Board’s jurisdiction but not on the agenda, the speaker will be heard at the time “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



**ENGINEERING AND INFORMATION TECHNOLOGY
COMMITTEE MEETING**

Committee Members: Director Handley and Director Lathi

AGENDA

**Thursday, May 9, 2019
10:30 A.M.**

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

Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**THIS MEETING WILL BE TELECONFERENCED WITH DIRECTOR HANDLEY AND DIRECTOR LATHI
FROM 43225 MISSION BOULEVARD, FREMONT, CALIFORNIA. THE TELECONFERENCE LOCATION
SHALL BE ACCESSIBLE TO THE PUBLIC.**

1. Call to Order

2. Roll Call

3. Public Comment

4. Items to be reviewed for the Regular Board meeting of May 13, 2019:
 - Authorize the General Manager to Execute Amendment No. 2 to Task Order No. 2 with Woodard & Curran, Inc. for the Headworks Screen No. 3 Project
 - Status of Priority 1 Capital Improvement Program Projects
 - Third Quarterly Report on the Capital Improvement Program for FY19

5. Adjournment

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

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

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THE PUBLIC IS INVITED TO ATTEND



LEGAL/COMMUNITY AFFAIRS COMMITTEE MEETING

Committee Members: Director Fernandez and Director Handley

Directors

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

AGENDA

Friday, May 10, 2019

10:30 A.M.

Alvarado Conference Room

5072 Benson Road

Union City, CA 94587

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

1. Call to Order

2. Roll Call

3. Public Comment

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- Consider a Resolution to Accept a Sanitary Sewer Easement for Tract 8054 – Villas at Florio, Located at Carol Avenue and Fremont Boulevard, in the City of Fremont
 - Consider a Resolution to Accept a Sanitary Sewer Easement and Quitclaim Two Existing Sanitary Sewer Easements for Tract 8261 – Boulevard Heights, Located at Fremont Boulevard between Chapel Way and Clough Avenue, in the City of Fremont
 - Receive Information and Provide Direction Regarding the Private Lateral Outreach Video
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The facilities at the District Offices are wheelchair accessible. Any attendee requiring special accommodations at the meeting should contact the General Manager's office at (510) 477-7503 at least 24 hours in advance of the meeting.

THE PUBLIC IS INVITED TO ATTEND

**MINUTES OF THE SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
April 22, 2019**

CALL TO ORDER

President Lathi called the special meeting to order at 5:45 p.m.

ROLL CALL

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

STAFF: Paul Eldredge, General Manager/District Engineer
 Karen Murphy, District Counsel

PUBLIC COMMENT

There was no public comment.

CLOSED SESSION

The Board adjourned to Closed Session for the following:

CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

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

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

ADJOURNMENT:

The special meeting was adjourned at approximately 6:45 p.m. to the next Regular Board Meeting in the Boardroom on Monday, April 22, 2019, at 7:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

JENNIFER TOY
SECRETARY

APPROVED:

ANJALI LATHI
PRESIDENT

Adopted this 13th day of May, 2019

**MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
April 22, 2019**

CALL TO ORDER

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

SALUTE TO THE FLAG

ROLL CALL

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

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

VISITORS: Roelle Balan, Tri-City Voice Newspaper

APPROVE MINUTES OF THE REGULAR MEETING OF APRIL 8, 2019

It was moved by Director Kite, seconded by Vice President Fernandez, to Approve the Minutes of the Regular Meeting of April 8, 2019. Motion carried with the following vote:

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

MARCH 2019 MONTHLY OPERATIONS REPORT

This item was reviewed by the Legal/Community Affairs and Budget and Finance Committees. General Manager Eldredge provided an overview of the Odor Report and Work Group reports. Business Services Coach Brenner reviewed the Financial Reports.

WRITTEN COMMUNICATIONS

There were no written communications.

ORAL COMMUNICATIONS

There were no oral communications.

AUTHORIZE STAFF TO APPROVE CSRMA INVOICE FOR SETTLEMENT AND EXPENSES ASSOCIATED WITH FERNANDO TRUJILLO AND MARIA DEL CARMEN BIBIANO V. USD, CASE NO 1781769683

This item was reviewed by the Legal/Community Affairs Committee. Special Counsel Castella stated the police report for the incident indicated a contributing factor in the accident was a skewed manhole cover owned by the District. The California Sanitation Risk Management Authority (CSRMA) claims manager, Carl Warren, retained Keith Schirmer to represent the District. CSRMA approved the settlement and will invoice the District for the \$100,000 settlement costs. CSRMA will also invoice the District for all other costs associated with the dispute. Staff requested the Board grant the General Manager authority to approve invoices for settlement and expenses associated in an amount not to exceed \$175,000.

It was moved by Director Handley, seconded by Vice President Fernandez, to Authorize Staff to Approve CSRMA Invoice for Settlement and Expenses Associated with Fernando Trujillo and Maria Del Carmen Bibiano v. USD, Case No. 1781769683. Motion carried unanimously.

REJECT ALL BIDS RECEIVED FOR THE NEWARK PUMP STATION CATHODIC PROTECTION SYSTEM UPGRADE PROJECT AND AUTHORIZE STAFF TO RE-BID THE PROJECT

This item was reviewed by the Engineering and Information Technology Committee. Technical Services Manager Ghossain stated the District operates cathodic protection systems to protect its underground steel and iron pipelines and appurtenances from corrosion. Following data analysis performed by JDH Corrosion Consultants, the cathodic protection system at the Newark Pump Station was identified as the highest priority. The Project was advertised for bids on February 12, 2019, and two bids were received and opened on March 12, 2019. The District, in consultation with legal counsel, rejected the bid received from Corpro Companies Inc. as it was found to be nonresponsive. The bid submitted by Farwest Corrosion Control Company was the second-low bidder and was 75% above the Engineer's Estimate. Staff recommended the Board reject all bids received for the Newark Pump Station Cathodic Protection System Upgrade Project and authorize staff to re-bid the Project.

It was moved by Vice President Fernandez, seconded by Secretary Toy, to Reject All Bids Received for the Newark Pump Station Cathodic Protection System Upgrade Project and Authorize Staff to Re-Bid the Project. Motion carried unanimously.

REVIEW AND CONSIDER APPROVAL OF POLICY NO. 3210, BOARDMEMBER USE OF E-MAIL FOR DISTRICT BUSINESS

This item was reviewed by the Legal/Community Affairs Committee. District Counsel Murphy stated Policy No. 3210 states Boardmembers shall use District assigned e-mail accounts for all electronic communication pertaining to District business. Proposed minor revisions to the policy were presented in a redline format included in the Board meeting packet.

The Legal/Community Affairs Committee requested addition of the following text at the end of the "Procedures" section of the Policy: *In addition, any posts or reposts by Boardmembers regarding District business on social media (for example: Facebook or Twitter) would be public records under the California Public Records Act.*

Staff recommended the Board consider approval of updated Policy No. 3210, Boardmember Use of E-mail for District Business.

It was moved by Director Kite, seconded by Vice President Fernandez, to Approve Policy No. 3210, Boardmember Use of E-mail for District Business, with inclusion of additional text outlined above. Motion carried unanimously.

RECEIVE INFORMATION AND PROVIDE DIRECTION REGARDING UNION SANITARY DISTRICT AD-HOC RECOMMENDATIONS FOR EAST BAY DISCHARGERS AUTHORITY JPA NEGOTIATIONS

General Manager Eldredge stated East Bay Dischargers Authority (EBDA) is a Joint Powers Authority (JPA) of which the District is a member. The JPA was formed in 1974 by a "Joint Exercise of Powers Agreement" (the "JPA Agreement") entered into by the City of Hayward, City of San Leandro, Oro Loma Sanitary District, Union Sanitary District, and Castro Valley Sanitary District. The JPA Agreement was amended in 1978, 1986, and 2007. The current EBDA JPA is set to expire at the end of calendar year 2019; discussions and negotiations have been taking place over the last few years to develop deal points and a framework for a renewed agreement. A series of EBDA Commission workshops have been held to propose and evaluate concepts and terms; these workshops have resulted in a draft term sheet that was included in the Board meeting packet. Each agency representative was asked to share the term sheet with its respective governing body and provide input to the EBDA commission. Proposed revisions to the term sheet submitted by Castro Valley Sanitary District were included in the report that was part of the Board meeting packet. Following publication of the Board meeting packet, Oro Loma Sanitary District and Castro Valley Sanitary District requested its joint capacity be changed from 30 MGD to 25 MGD.

Director Handley stated representatives from EBDA's member agencies spent several months working together to produce the term sheet and agreed the term sheet as written would be shared with their respective governing bodies before moving forward. Director Handley recommended the Board consider the term sheet as written.

Secretary Toy also recommended the Board consider approval of the term sheet as written.

Both Director Handley and Secretary Toy recommended USD not revise our proposed capacity at this time and re-evaluate at a later date.

The Board directed staff to proceed with the term sheet as written and not proceed with any requested changes to the term sheet at this time.

RECEIVE INFORMATION AND PROVIDE DIRECTION REGARDING POLICY NO. 2040, EXCEPTIONS TO ORDINANCE FEES

This item was reviewed by the Legal/Community Affairs Committee. District Counsel Murphy stated the Policy has been in place since 1990 and is inconsistent with language included in the District's ordinances. While three of the District's applicable ordinances include language outlining their own appeal process, Ordinance 34 does not. The appeal processes included in District ordinances would supersede the language in Policy No. 2040. In order to simplify and ensure consistent procedures, staff recommended Policy No. 2040 be rescinded as unnecessary and duplicative. Staff recommended an item rescinding Policy No. 2040 be brought back when revisions to Ordinance No. 34 are considered.

The Board directed staff to proceed with staff's recommendation.

INFORMATION ITEMS:

Union Sanitary District to Purchase Natural Gas from the California Department of General Services (DGS)

This item was reviewed by the Budget & Finance Committee. Treatment and Disposal Services Manager Lopez stated the District has been purchasing natural gas from a third party (Tiger Inc.) since 2009, which has provided a modest cost savings over the alternative of purchasing bundled natural gas from Pacific Gas and Electric (PG&E). Staff identified an opportunity for additional cost savings by transitioning to gas for electrical generation (GEG) which is an alternative PG&E tariff that specifically provides for reduced cost transportation of natural gas for power generation. Staff became aware that the District could purchase natural gas from the State of California Department of General Services (DGS) by "piggybacking" onto existing agreements with other public agencies. The District executed a short-term agreement with DGS in October 2018 and switched to the PG&E GEG tariff to demonstrate the economics of this alternative. Staff included a table in the Board meeting packet to show the cost comparison between PG&E Bundled Gas, Tiger Inc., and DGS. Based upon the analysis, the District saved \$21,215.38 in FY18 by purchasing natural gas from Tiger Inc. instead of purchasing bundled gas from PG&E. However, the District would have saved an additional \$83,307.45, or 35.8% of the actual FY 18 natural gas cost, had we purchased natural gas from DGS under the GEG tariff.

Legislative Update on Regional Issues of Interest to the Board

This item was reviewed by the Legislative Committee. General Manager Eldredge provided an overview of the legislative update included in the Board meeting packet.

Cal-Card Quarterly Activity Report

This item was reviewed by the Budget & Finance Committee. Staff prepared a desk item to show the Cal-Card report sorted by expenditure from highest to lowest. Business Services Coach Brenner reviewed the Cal-Card activity report included in the Board meeting packet.

Boardmember Expenses, Third Quarter Fiscal Year 2019

There were no questions regarding the Boardmember expenses report.

National Association of Clean Water Agencies (NACWA) 2019 Winter Conference

Treatment and Disposal Services Manager Lopez provided an overview of the NACWA 2019 Winter Conference.

Check Register

Staff responded to Boardmember questions regarding the Check Register.

COMMITTEE MEETING REPORTS:

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

GENERAL MANAGER'S REPORT:

General Manager Eldredge reported the following:

- General Manager Eldredge welcomed back Vice President Fernandez.
- General Manager Eldredge asked the Board to please let staff know if they have any feedback on the new staff report template.

OTHER BUSINESS:

There was no other business

ADJOURNMENT:

The meeting was adjourned at 8:00 p.m. to a Combined Board Workshop in the Alvarado Conference Room on Tuesday, April 23, 2019, at 6:00 p.m.

The Board will then adjourn to the Plant Master Plan #3 Board Workshop in the Boardroom on Wednesday, May 8, 2019, at 5:30 p.m.

The Board will then adjourn to the next Regular Meeting in the Boardroom on Monday, May 13, 2019, at 7:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

JENNIFER TOY
SECRETARY

APPROVED:

ANJALI LATHI
PRESIDENT

Adopted this 22nd day of April 2019

**MINUTES OF THE SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
April 23, 2019**

CALL TO ORDER

President Lathi called the special meeting to order at 6:10 p.m.

ROLL CALL

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

STAFF: Paul Eldredge, General Manager/District Engineer
 Gene Boucher, Human Resources Manager
 Michelle Powell, Communications and Intergovernmental Relations Coordinator
 Regina McEvoy, Executive Assistant to the General Manager/Board Clerk

PUBLIC COMMENT

There was no public comment.

COMBINED BOARD WORKSHOP

General Manager Eldredge and Human Resources Manager Boucher presented the PERS Matter Update.

The Technical Writer Job Description was not presented.

General Manager Eldredge, Human Resources Manager Boucher, and Executive Assistant to the General Manager McEvoy presented the Commuter Assistance item.

Communications and Intergovernmental Relations Coordinator Powell and Executive Assistant to the General Manager McEvoy presented the District Rebranding Update.

ADJOURNMENT:

The special meeting was adjourned at approximately 8:15 p.m. to a Special Board Meeting in the Boardroom on Wednesday, May 8, 2019, at 5:30 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
BOARD CLERK

JENNIFER TOY
SECRETARY

APPROVED:

ANJALI LATHI
PRESIDENT

Adopted this 13th day of May, 2019

**Directors**

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**MAY 13, 2019
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 9**

TITLE: **Authorize the General Manager to Execute Amendment No. 2 to Task Order No. 2 with Woodard & Curran, Inc. for the Headworks Screen No. 3 Project**
(This is a Motion Item)

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
Sami E. Ghossain, Technical Services Work Group Manager
Raymond Chau, CIP Team Coach
Thomas Lam, Associate Engineer

Recommendation

Staff recommends the Board authorize the General Manager to execute Amendment No. 2 to Task Order No. 2 with Woodard & Curran, Inc. (W&C) in the amount of \$40,613 to provide additional design services for the Headworks Screen No. 3 Project (Project).

Previous Board Action

June 11, 2018 Board Meeting, the Board authorized the General Manager to execute Task Order No. 2 with W&C in the amount of \$108,552 to provide design services for the Project.

October 22, 2018 Board Meeting, the Board authorized the General Manager to Execute Amendment No. 1 to Task Order No. 2 with W&C in the amount of \$56,490 to provide additional design services for the Project.

Background

On October 31, 2017, staff executed an agreement and Task Order No. 1 with W&C in the amount of \$49,961 to provide predesign services for the Project. During the predesign phase,

W&C evaluated the mechanical screen alternatives to the manual bar rack of Screen No. 3, the hydraulic effects to the Parshall flumes' operations, and the maintenance requirements of new mechanical screen equipment. The results of these evaluations served as the design basis during the final design phase.

On June 11, 2018, the Board authorized the General Manager to execute Task Order No. 2 with W&C in the amount of \$108,552 to provide design services for the Project. The scope of services for Task Order No. 2 included project management, detailed design of the new Mechanical Screen No. 3, preparation of contract documents, and bid period services.

In August 2018, Mechanical Screen No. 1 failed. Staff repaired Screen No. 1 and placed it back into operation in October 2018. The mechanical components of both Screens No. 1 and 2 are reaching the end of their useful life, which was further reinforced by the failure. The Fiscal Year (FY) 2019 CIP budget includes a replacement project for Mechanical Screens No. 1 and 2 starting in FY 2021. However, due to the critical nature of the bar screens to the Plant's treatment processes and to avoid the similar costly repair of Mechanical Screen No. 2, staff has decided to move up the replacement timeline for both Mechanical Screens No. 1 and 2 to be included in this Project. Please refer to Figures 1 and 2 of the mechanical screen equipment.

On October 22, 2018, the Board authorized the General Manager to execute Amendment No. 1 to Task Order No. 2 with W&C in the amount of \$56,490 to provide additional design services for the Project. The scope of services for Amendment No. 1 included project management, detailed design of the new Mechanical Screens No. 2 and 3, and preparation of contract documents for the Project. The Project will be renamed the Headworks Screens Replacement Project in the final construction documents to reflect the amended project scope.

The Amendment No. 1 to Task Order No. 2 scope of services also included the task for W&C to evaluate the impact of additional screenings load to the washer/compactor system and recommend options to mitigate odors. W&C evaluated several alternatives to mitigate the screenings odors including a self-contained trash compactor shown in Figure 3.

The trash compactor would enclose and compress the screenings as they are discharged from the washer compactors. The odors from the screenings would be contained within the trash compactor which would be an improvement over the existing uncovered trash bin. Furthermore, the trash compactor mechanism would automatically compress and push the screenings to the back of the bin. This would increase the amount of screenings stored, resulting in fewer trips to dispose of the debris and lower trucking cost. The automatic pushing mechanism also eliminates the need for staff to manually rake and level the screenings in the current uncovered trash bin. Staff believes this is the best solution to mitigate odors from the additional screenings expected from the new mechanical screens and directed W&C to perform the detailed design.

Amendment No. 2 to Task Order No. 2

The Project's amended scope will include the following elements:

1. Evaluate the effectiveness of the self-contained trash compactor.
2. Perform detailed design of the new trash compactor including project management and preparation of contract documents.
3. Incorporate additional minor design revisions to the contract documents.

W&C's Amendment No. 2 to Task Order No. 2 fee to provide additional design services for the Project is summarized below:

Task No.	Task Description	Fee
1	Project Management	\$1,624
2	Preparation of Design Documents	\$29,327
4	Screenings Odor Evaluation	\$9,662
	Total Not-to-Exceed Fee	\$40,613

Staff believes W&C's design amendment fee is reasonable given the level of effort to evaluate the alternatives to mitigate the screenings odors and the additional design services necessary to incorporate the trash compactor into the Project.

Below is a summary of the task orders and the proposed amendment with W&C under the Project agreement:

Task Order/Amendment	Not to Exceed Amount
Task Order No. 1 – Predesign	\$49,961
Task Order No. 2 – Final Design	\$108,552
Amendment No. 1 to Task Order No. 2 – Additional Design Services	\$56,490
Amendment No. 2 to Task Order No. 2 – Additional Design Services	\$40,613
Total	\$255,616

Staff anticipates W&C will complete the design of the Project in June 2019, and construction to begin thereafter.

Staff recommends the Board authorize the General Manager to execute Amendment No. 2 to Task Order No. 2 with Woodard & Curran, Inc. in the amount of \$40,613 to provide additional design services for the Headworks Screen No. 3 Project

PRE/SEG/RC/TL;dl

Attachments: Figures 1 and 2 – Photos of Existing Mechanical Screen Equipment
Figure 3 – Self-Contained Trash Compactor
Amendment No. 2 to Task Order No. 2

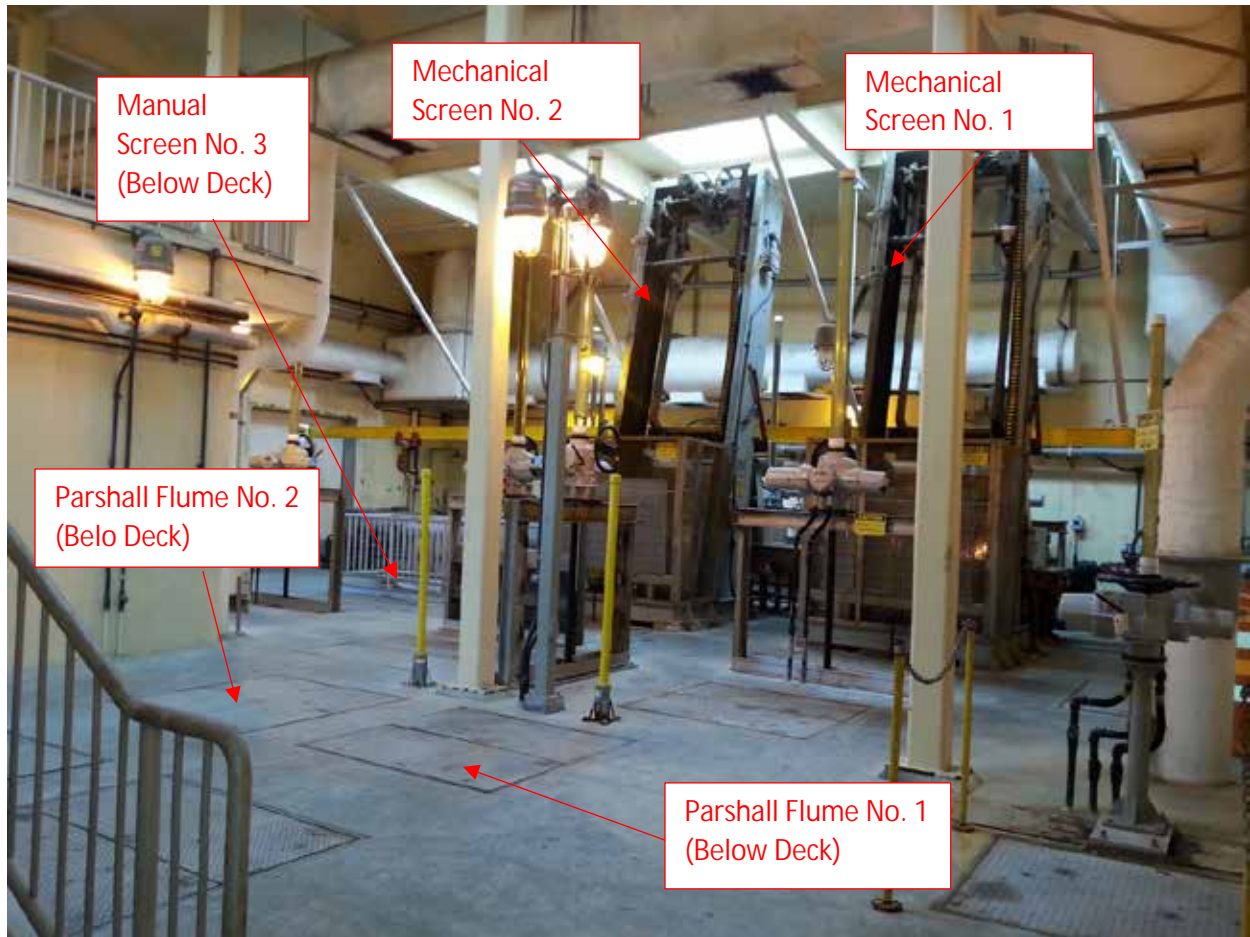


Figure 1 – Headworks Building Equipment



Figure 2 – Existing Headworks Screens No.1 and 2



Figure 3: Self-Contained Trash Compactor

HEADWORKS SCREEN NO. 3 PROJECT

AMENDMENT NO. 2

to

TASK ORDER NO. 2

to

AGREEMENT

BETWEEN

UNION SANITARY DISTRICT

AND

WOODARD & CURRAN, INC.

FOR

PROFESSIONAL SERVICES

Dated October 31, 2017

1. PURPOSE

The purpose of Amendment No. 2 to Task Order No. 2 is to authorize Woodard & Curran, Inc. (Engineer) to complete services requested by Union Sanitary District (District) that were not included in Task Order No. 2 and Amendment No. 1 to Task Order No. 2. This includes design services to add the following elements to the Headworks Screen No. 3 Project:

- Additional work to evaluate screenings odor mitigation options, including consideration on dumpster hauling frequency and management and operation and maintenance issues associated with grit and collection system debris waste streams.
- Provide design services including three new design sheets and one technical specification section for a self-contained compactor bin with a 480V power feed for the storage of screenings from existing washer compactors in the location of the current open-top screenings bin. Additional design work includes a detail to install guide rails for the bin, foul air connection to existing Headworks odor control system, drainage line from the bin to the existing compactor sump, electrical modifications, control modifications, and related appurtenances.

- Work associated with demolition and replacement of Screen No. 2 instead of Screen No. 3 as the bid alternate.
- Additional coordination with the screen manufacturers and design revisions to incorporate District-requested changes to the screens.
- Additional front-end Divisions 00 and 01 specification coordination with the District.

2. PROJECT COORDINATION

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

3. SCOPE OF SERVICES

The Scope of Services for Task Order No. 2 is amended as follows:

Task 1 – Project Management

Engineer shall perform incremental additional project management tasks associated with this Amendment No. 2. The scope of services described under Task Order 2 applies to this task.

Task 2 – Final Design

Subtask 2.3 – Final Design

Engineer shall incorporate the design for a new self-contained compactor as described in Screenings Odor Mitigation Alternatives Technical Memo in the final design submittal for the project. Drawings, specifications, and Engineer's Construction Cost Estimate will be updated. Two (2) additional drawings (1 mechanical/civil and 1 electrical detail drawing) and one (1) additional technical specification section are anticipated. Five (5) drawings are anticipated to be updated (HVAC plan, single line diagram, control schematic, circuit schedule, and electrical plan).

One (1) site visit will be held to determine new conduit routing, and power supply location.

The additional final design services are as follows:

Bid Alternate Update

Additional work will be performed to update the Contract Drawings and specifications to show demolition and replacement of Screen No. 2 instead of Screen No. 3 as the bid alternate.

Coordination with Screen Vendor

Engineer shall coordinate with the screen manufacturers to obtain feedback and costs of District requested changes including obtaining an extended screen warranty, changing PLC from Micrologix to Compactlogix and updating the recommended on-site field service and training hours.

Front-end Specification Coordination

Engineer shall perform additional work to coordinate Divisions 00 and 01 with the District.

Subtask 2.4 – QA/QC

Engineer shall conduct internal senior technical reviews of additional work as described in Task 2.3.

Assumptions:

- W&C shall submit updated and additional contract drawings and specification sections that incorporate the additional items outlined in this Amendment to the District for one round of review.
- A control system will be provided by the compactor manufacturer which will be hardwired to the existing PLC. No additional control work will be provided.
- A foul air connection at the compactor will be provided and connected to the existing Headworks odor control system.
- A drainage hose for compactor drainage will be provided.
- No P&ID will be provided for the compactor.

Task 4 – Screenings Odor Evaluation

Subtask 4.1 – Odor Control Evaluation

Engineer shall evaluate screenings odor mitigation options that can accommodate collection system debris and loads from the sludge degritter, and self-level screenings in the bin. Engineer shall calculate planning-level construction cost estimates and life cycle costs for each option. Changes in hauling frequency will also be estimated for odor mitigation options. Findings of this evaluation will be summarized via revised technical memorandum. One (1) site visit will be held with the compactor manufacturer and the District to visit an existing compactor installation.

Assumptions:

- Evaluation findings and recommendations will be summarized via a brief technical memorandum.

4. DELIVERABLES

Project deliverables not included in the original task order are listed below:

Task 2 – Final Design

- Final Design progress submittal that includes drawings, specifications and Engineer's Estimate incorporating the additional design elements described.
- Final design deliverables as described in Task Order No. 2 that incorporates the additional design elements described.
- One (1) site visit to determine new process equipment conduit routing, and power supply location.

Task 4 – Screenings Odor Evaluation

- Revised technical memorandum summarizing evaluation findings
- One (1) site visit to see existing dumpster compactor installation

5. PAYMENT TO THE ENGINEER

Payment to the Engineer shall be as called for in Article 2 of the Agreement. The billing rate schedule is equivalent to an overall labor multiplier of 3.22, including profit. Subconsultants and outside services will be billed at actual cost plus 5%; other direct costs will be billed at actual cost; and mileage will be billed at prevailing IRS standard rate.

Total charges to the DISTRICT not-to-exceed amount for Amendment No. 2 to Task Order No. 2 shall be \$40,613. A summary of the anticipated distribution of cost between tasks is shown in Exhibit A.

The following table summarizes the previously-executed task orders and the proposed amendment under the Agreement:

Task Order / Amendment	Not to Exceed Amount	Board Authorization Required?	District Staff Approval
Task Order No. 1 – Predesign Services	\$49,961	No	Sami Ghossain
Task Order No. 2 – Final Design Services	\$108,552	Yes	Paul Eldredge
Amendment No. 1 to Task Order No. 2 – Additional Design Services	\$56,490	Yes	Paul Eldredge
Amendment No. 2 to Task Order No. 2 – Additional Design Services	\$40,613	Yes	Paul Eldredge
Total	\$255,616		

6. TIME OF COMPLETION

All new work defined in this amendment shall be completed within 30 calendar days after the execution of Amendment No. 2 to Task Order No. 2 and subject to the conditions of Article 3 of this Agreement. An updated project schedule is shown in Exhibit B.

IN WITNESS WHEREOF, the parties hereto have made and executed this Amendment No. 2 to Task Order No. 2 as of May ____, 2019 and therewith incorporate it as part of the Agreement.

DISTRICT

Union Sanitary District

ENGINEER

Woodard & Curran, Inc.

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

By: _____
David L. Richardson, P.E.
Vice President

Date: _____

Date: _____



Exhibit A

Fee Estimate

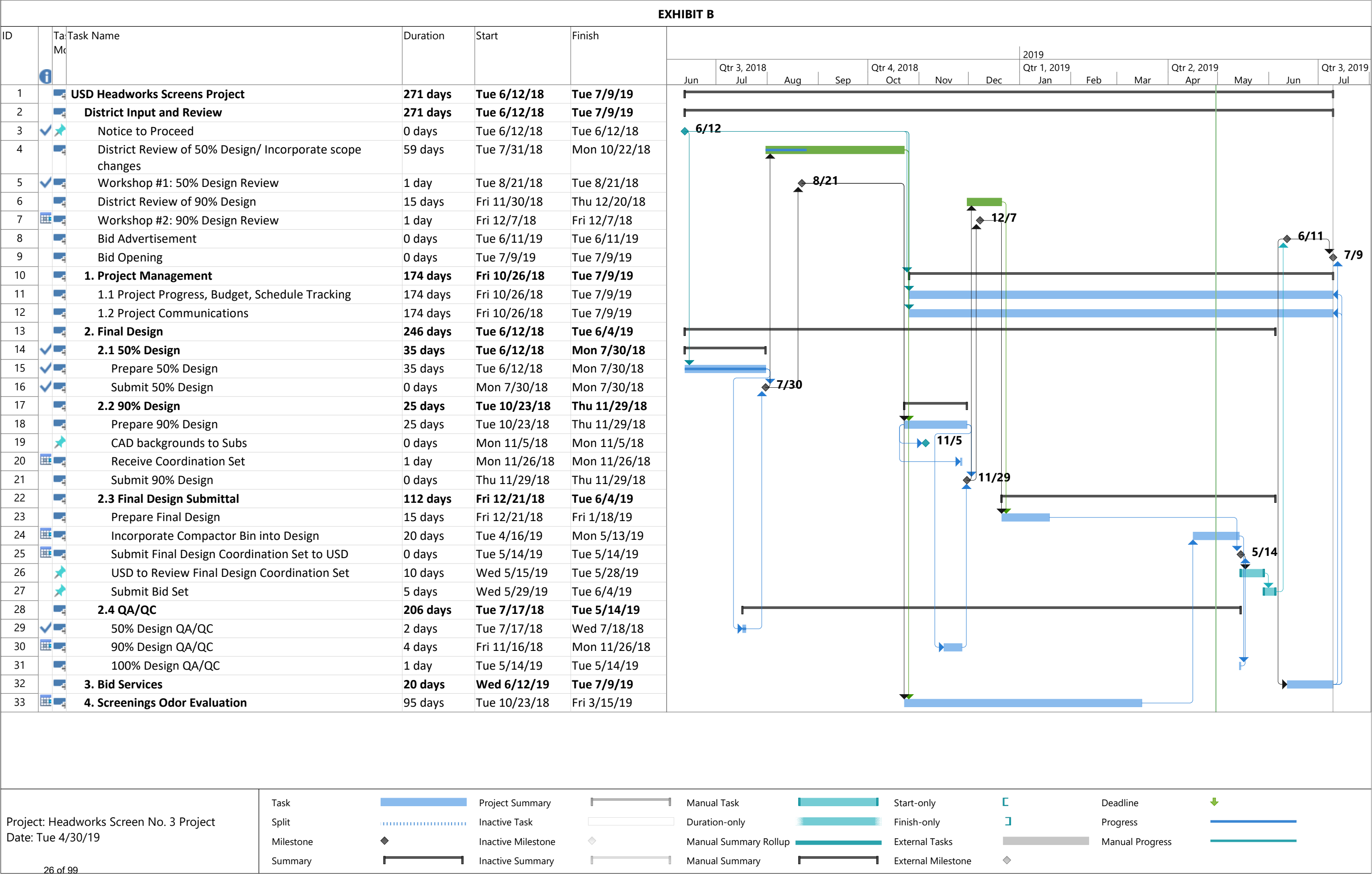
Union Sanitary District

Headworks Screen No. 3 Project - Design, Task Order No. 2, Amendment No. 2

4/30/2019

Tasks	Labor						Outside Services				ODCs		Total	
	Mark Takemoto	Susan Hsu	Tom Hazlett	Chu To	Admin	Total Hours	Total Labor Costs (1)	Todd Beecher	Subconsultant Total Hours	Subsonultant Subtotal	Sub Consultant Total Cost (2)	ODCs	Total ODCs (3)	Total Fee
	Project Manager	Project Engineer	QA/QC	Sr. CAD Designer	Admin			Electrical /I&C						
	\$274	\$215	\$315	\$165	\$108			\$195						
Task 1: Project Management														
1.1 Project Progress, Budget, and Schedule Tracking (Amendment No. 2)	2	4			2	8	\$1,624		0	\$0	\$0		\$0	\$1,624
Task 2: Final Design														
2.3 Final Design (Amendment No. 2)														\$0
Compactor Bin Design	10	32		30		72	\$14,570	40	40	\$7,800	\$8,190		\$0	\$22,760
Bid Alternate Update	2	6		6		14	\$2,828		0	\$0	\$0		\$0	\$2,828
Coordination with Screen Vendor	1	2				3	\$704		0	\$0	\$0		\$0	\$704
Front End Specification Coordination	2.5	8				10.5	\$2,405		0	\$0	\$0		\$0	\$2,405
2.4 QA/QC (Amendment No. 2)			2			2	\$630		0	\$0	\$0		\$0	\$630
Subtotal Task 2 (Amendment No. 2):	5.5	16	2	6	0	29.5	\$21,137	0	0	\$0	\$0	\$0	\$0	\$29,327
Task 4: Screenings Odor Evaluation														
4.1 Odor Control Evaluation (Amendment No. 2)	18	22				40	\$9,662		0	\$0	\$0		\$0	\$9,662
Amendment 2 Subtotal:	25.5	42	2	6	2	77.5	\$32,423	0	0	\$0	\$0	\$0	\$0	\$40,613

1. The individual hourly rates include salary, overhead and profit.
2. Sub Consultants will be billed at actual cost plus 5%.
3. Other direct costs (ODCs) such as reproduction, delivery, mileage (rates will be those allowed by current IRS guidelines), and travel expenses, will be billed at actual cost.
4. Woodard & Curran reserves the right to adjust its hourly rate structure and ODC markup at the beginning of the calendar year for all ongoing contracts.



**Directors**

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**MAY 13, 2019
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 10**

TITLE: Consider a Resolution to Accept a Sanitary Sewer Easement for Tract 8054 – Villas at Florio, Located at Carol Avenue and Fremont Boulevard, in the City of Fremont (*This is a Motion Item*)

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

Recommendation

Staff recommends the Board consider a resolution to accept a sanitary sewer easement for Tract 8054 – Villas at Florio, located at Carol Avenue and Fremont Boulevard, in the City of Fremont

Previous Board Action

None.

Background

The developer, Florio Development, LLC, is constructing 22 townhomes for Tract 8054, located at the northeast corner of Carol Avenue and Fremont Boulevard in the City of Fremont. A vicinity map is attached.

Sanitary sewer service to the residential development will be provided by a new 8-inch sewer main in the development's private roadway, Fossano Common, that discharges to an existing 8-inch sewer main in Carol Avenue. Fossano Common does not meet the City of Fremont's street dimensions and structure setback requirements for public streets and was, therefore, designated

as a private street. Florio Development, LLC, has constructed the new 8-inch sewer main and has granted the District a sanitary sewer easement that provides for access, maintenance, and service of the new sewer main in the private roadway of the development.

District staff has reviewed the legal description and plat map of the easement, as well as the Grant of Easement document, and recommends approval.

PRE/SEG/RA/RS;dl

Attachments: Vicinity Map
Resolution
Recording Request with Certificate of Acceptance
Grant of Easement with Exhibits A and B



Vicinity Map, Grant of SSE, TR 8054 - Villas at Florio, Fremont



Legend

Sewer Manholes

- Drop manhole
- End Cap
- Junction structure
- Lamphole
- Lift station
- Manhole
- New Manhole
- Riser

Sewer Mains

- New Gravity Main
- EBDA outfall
- Forcemain
- Gravity main
- Overflow main
- Siphons
- Trunk Main

Railroad / BART

- <all other values>
- BART

- Public Right of Way
- Private Right of Way

Sewer Easements

- <all other values>

Parcels

- <all other values>
- Alameda Cnty Flood Cntrl

58.3 0 29.17 58.3 Feet

1: 700

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For USD use only

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Notes

RESOLUTION NO. _____

**ACCEPT A SANITARY SEWER EASEMENT FOR
TRACT 8054 – VILLAS AT FLORIO, LOCATED AT CAROL AVENUE AND
FREMONT BOULEVARD IN THE CITY OF FREMONT, CALIFORNIA**

RESOLVED by the Board of Directors of UNION SANITARY DISTRICT, that it hereby accepts the Grant of Easement from Florio Development, LLC, executed on May 3, 2016, as described in the Grant of Easement for Sanitary Sewer Purposes and by the legal description and plat map, attached as Exhibit A and Exhibit B, respectively.

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

On motion duly made and seconded, this resolution was adopted by the following vote on May 13, 2019:

AYES:

NOES:

ABSENT:

ABSTAIN:

ANJALI LATHI
President, Board of Directors
Union Sanitary District

Attest:

JENNIFER TOY
Secretary, Board of Directors
Union Sanitary District

RECORDING REQUESTED BY
AND WHEN RECORDED RETURN TO:
Union Sanitary District
Attn: Regina McEvoy
5072 Benson Road
Union City, CA 94587

Record Without Fee
*Pursuant to Government Code
Section 27383*

Space Above Reserved for Recorder's Use Only

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

GRANT OF EASEMENT

BY AND BETWEEN

FLORIO DEVELOPMENT, LLC

AND

UNION SANITARY DISTRICT

Effective Date: May 13, 2019

CERTIFICATE OF ACCEPTANCE

(Grant of Easement)

This is to certify that the interest in real property conveyed by the Grant of Easement for Sanitary Sewer Purposes, dated May 3rd, 2016, from Florio Development, LLC, to UNION SANITARY DISTRICT, an independent special district ("**District**"), is hereby accepted by the undersigned officer or agent on behalf of the District pursuant to authority conferred by Resolution No. _____, dated May 13, 2019, and the District consents to recordation thereof by its duly authorized officer.

Date: May __, 2019

District

UNION SANITARY DISTRICT

Paul R. Eldredge, General Manager

ACKNOWLEDGMENT

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

State of California)
) ss
County of Alameda)

On _____, 2019, before me, Regina Dyan McEvoy,
(Name of Notary)

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

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

WITNESS my hand and official seal.

(Notary Signature)

GRANT OF EASEMENT

FOR SANITARY SEWER PURPOSES

2016

THIS INDENTURE, made this 3rd day of May, by and between Florio Development LLC, the Party/~~Parties~~ of the First Part, and Union Sanitary district, the Party/~~Parties~~ of the Second Part,

WITNESSETH:

That said Party/~~Parties~~ of the First Part does hereby grant to the Party of the Second Part and to its successors and assigns forever, for the use and purposes herein stated, the rights of way and easements hereinafter described, located in the City of Fremont, County of Alameda, State of California:

See Exhibit "A" and Exhibit "B"

together with the right and privilege of constructing, reconstructing, cleaning, repairing and maintaining at any time, a sanitary sewer and appurtenances along, upon, over, in, through and across the above described property; together with free ingress and egress to and for the said Party of the Second Part, its successors and assigns, its agents and employees, workmen, contractors, equipment, vehicles and tools, along, upon, over, in, through and across said right of way; together with the right of access by its successors and assigns, its agents and employees, workmen, contractors, equipment, vehicles and tools to said right of way from the nearest public street, over and across the adjoining property, if such there be; otherwise by such route or routes across said adjoining property as shall occasion the least practicable damage and inconvenience to the Party of the First Part, for constructing, cleaning, repairing and maintaining said sanitary sewer and appurtenances; together with free ingress and egress over the land immediately adjoining for maintenance, repair and replacement as well as the initial construction of said sewer.

IN WITNESS WHEREOF the said Party/~~Parties~~ of the First Part have executed this indenture the day and year first above written.



Signature

By:

Li Ding

(Li Ding, CEO)

Party/Parties of the First Part

Florio Development LLC

(Notarize)

ACKNOWLEDGMENT

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

State of California
County of Santa Clara)

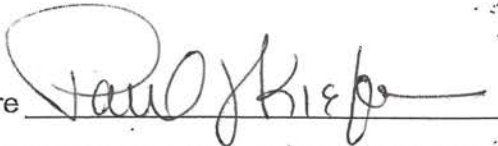
On MAY 3, 2016 before me, Paul J. Kiefer, Notary Public
(insert name and title of the officer)

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

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

WITNESS my hand and official seal.

Signature



(Seal)



Exhibit "A"
Legal Description for
Sanitary Sewer Easement
Fremont, California

An easement for sanitary sewer purposes over portion of Lot A as shown on Tract Map 8054 , recorded in Book 399 at Pages 74-76, Alameda County Records, as shown on Exhibit "B" made a part hereof, more particularly described as follows:

Commencing at the Southeasterly corner of said Lot A; thence along the Southerly line of said lot, South 82°00'20" West, 143.65 feet to the **Point of Beginning**; thence leaving along last said line South 82°00'20" West, 25.00 feet, thence leaving last said line and along the following twenty-two (22) courses:

1. North 07°59'40" West, 12.01 feet to the beginning of a tangent curve to the left with a radius of 2.50 feet,
2. Along said curve, through a central angle of 90°00'00", an arc distance of 3.93 feet,
3. South 82°00'20" West, 11.50 feet,
4. North 07°59'40" West, 24.00 feet,
5. South 82°00'20" West, 3.00 feet,
6. North 07°59'40" West, 10.00 feet,
7. North 82°00'20" East, 16.50 feet to the beginning of a tangent curve to the left with a radius of 0.50 feet,
8. Along said curve, through a central angle of 90°32'10", an arc distance of 0.79 feet the beginning of a compound curve with a radius of 4.50 feet,
9. Along said curve, through a central angle of 62°50'30", an arc distance of 4.94 feet,
10. South 82°00'20" West, 128.02 feet,
11. North 07°59'40" West, 27.95 feet,
12. North 82°00'20" East, 121.00 feet,
13. North 07°59'40" West, 13.56 feet,
14. North 82°00'20" East, 9.00 feet,
15. North 07°59'40" West, 3.00 feet,
16. North 82°00'20" East, 62.90 feet,
17. South 07°59'40" East, 16.56 feet,
18. North 82°00'20" East, 98.76 feet,
19. South 07°59'40" East, 27.95 feet,
20. South 82°00'20" West, 133.67 feet to the beginning of a non-tangent curve to the left with a radius of 4.50 feet,
21. Along said curve from a tangent bearing South 55°23'00" West, through a central angle of 63°22'40", an arc distance of 4.98 feet,
22. South 07°59'40" East, 48.97 feet to the **Point of Beginning**.



5-9-16

Containing 11,154 square feet, more or less.



**FREMONT
BOULEVARD**



SCALE: 1" = 40'

LINE TABLE

LINE	BEARING	LENGTH	LINE	BEARING	LENGTH
L1	S82°00'20"W	25.00'	L7	N82°00'20"E	16.50'
L2	N07°59'40"W	12.01'	L8	N07°59'40"W	13.56'
L3	S82°00'20"W	11.50'	L9	N82°00'20"E	9.00'
L4	N07°59'40"W	24.00'	L10	N07°59'40"W	3.00'
L5	S82°00'20"W	3.00'	L11	S07°59'40"E	16.56'
L6	N07°59'40"W	10.00'	L12	S55°23'00"W	TANGENT
			L13	S07°59'40"E	48.97'

TRACT 6317
201 MAPS 5

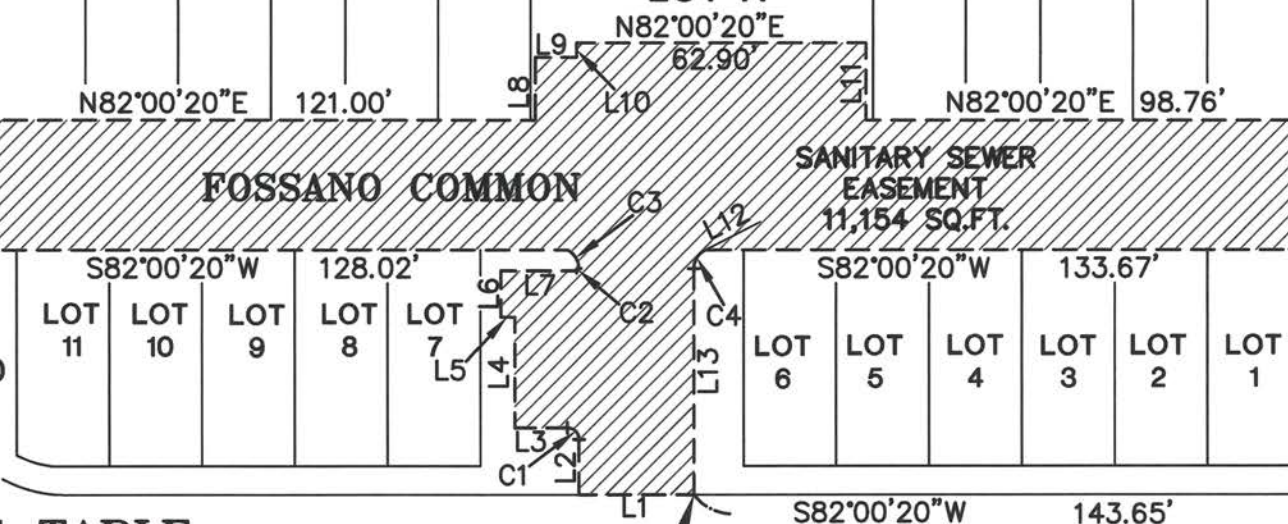
TRACT 8054

MAPS

LOT A

LOT 12 LOT 13 LOT 14 LOT 15 LOT 16 LOT 17

LOT 18 LOT 19 LOT 20 LOT 21 LOT 22



POINT OF
BEGINNING

POINT OF
COMMENCEMENT

CAROL AVENUE

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA
C1	2.50'	3.93'	90°00'00"
C2	0.50	0.79'	90°32'10"
C3	4.50'	4.94'	62°50'30"
C4	4.50'	4.98'	63°22'40"



LEA & BRAZE ENGINEERING, INC.

CIVIL ENGINEERS • LAND SURVEYORS

BAY AREA REGION
2495 INDUSTRIAL PKWY WEST
HAYWARD, CALIFORNIA 94545
(P) (510) 887-4086
(F) (510) 887-3019

SACRAMENTO REGION
3017 DOUGLAS BLVD, # 300
ROSEVILLE, CA 95661
(P) (916) 966-1338
(F) (916) 797-7363

WWW.LEABRAZE.COM

EXHIBIT "B"
SANITARY SEWER EASEMENT
LOT A (TRACT 8054)
FREMONT, CALIFORNIA
ALAMEDA COUNTY

PAGE 2 OF 2

JOB #2110049

DRAWN BY: MT

MAY 2016

**Directors**

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**MAY 13, 2019
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 11**

TITLE: Consider a Resolution to Accept a Sanitary Sewer Easement and Quitclaim Two Existing Sanitary Sewer Easements for Tract 8261 – Boulevard Heights, Located at Fremont Boulevard between Chapel Way and Clough Avenue, in the City of Fremont *(This is a Motion Item)*

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

Recommendation

Staff recommends the Board consider a resolution to accept a sanitary sewer easement and quitclaim two existing sanitary sewer easements for Tract 8261 – Boulevard Heights, located at Fremont Boulevard between Chapel Way and Clough Avenue, in the City of Fremont.

Previous Board Action

None.

Background

The developer, Pulte Home Company, LLC, is constructing a mixed-use development consisting of 56 condominium units and 11 live-work units in 11 buildings for Tract 8261, located at Fremont Boulevard between Chapel Way and Clough Avenue, in the City of Fremont. A vicinity map is attached.

USD has an existing ten-foot wide sanitary sewer easement and an existing 8-foot wide sanitary sewer easement that contains an 8-inch diameter sewer main that enters the north side of the tract from Kvistad Drive and discharges to an existing 10-inch diameter sewer main in Fremont Boulevard. The alignment of the sanitary sewer and corresponding easements conflict with the proposed streets and parcel layout of the development, and as such, Pulte Home Company, LLC, was required to relocate the sewer main and grant a new easement to the District. The new sewer main and manholes are now located in Squill Common, a private street of the development, and discharges to an existing 8-inch sewer main in Chapel Way. A legal description and plat map have been prepared for the quitclaim of the two existing easements, wherein the old 8-inch sewer main resided and had since been abandoned, per District standards.

Sanitary sewer service to the residential development will be provided by the new rerouted 8-inch sewer main in Squill Common and a new 8-inch sewer main in Gladiolus Common, also a private street of the development. Gladiolus Common and Squill Common do not meet the City of Fremont's street dimensions and structure setback requirements for public streets and were, therefore, designated as private streets. Pulte Home Company, LLC, has constructed the new 8-inch sewer mains and has granted the District a sanitary sewer easement that provides for access, maintenance, and service of the new sewer main in the private roadway of the development.

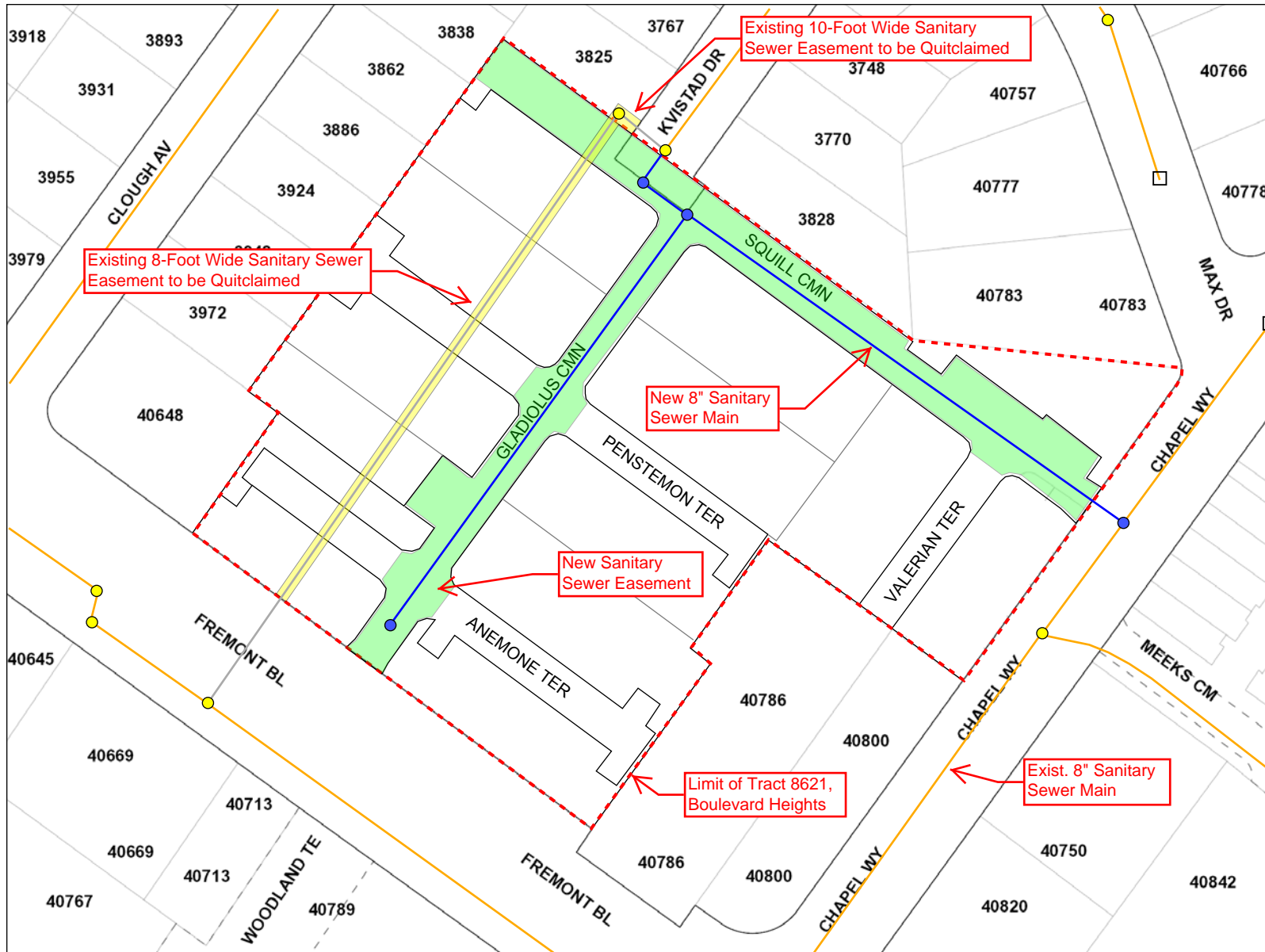
District staff has reviewed the documents for the grant of easement and quitclaims, and recommends approval.

PRE/SEG/RA/RS;dl

Attachments: Vicinity Map
Resolution
Recording Request with Certificate of Acceptance
Grant of Easement with Exhibits A and B
Quitclaim Deed with Exhibits C and D



Vicinity Map, Grant of SSE & 2 Quitclaims, TR 8261 - Boulevard Hights, Fremont



Legend

Sewer Manholes

- Drop manhole
- End Cap
- Junction structure
- Lamphole
- Lift station
- Manhole
- New Manhole
- Riser

Sewer Mains

- New Gravity Main
- EBDA outfall
- Forcemain
- Gravity main
- Overflow main
- Siphons
- Trunk Main

Railroad / BART

- <all other values>
- BART
- Public Right of Way
- Private Right of Way

Sewer Easements

- Parcels
- <all other values>
- Alameda Cnty Flood Cntrl

100.0 0 50.00 100.0 Feet

1: 1,200

Printed: 4/18/2016 3:29 PM



For USD use only

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Notes

RESOLUTION NO. _____

**ACCEPT A SANITARY SEWER EASEMENT AND QUITCLAIM TWO
EXISTING SANITARY SEWER EASEMENTS FOR TRACT 8261 –
BOULEVARD HEIGHTS, LOCATED AT FREMONT BOULEVARD BETWEEN
CHAPEL WAY AND CLOUGH AVENUE, IN THE CITY OF FREMONT,
CALIFORNIA**

RESOLVED by the Board of Directors of UNION SANITARY DISTRICT, as follows:

1. The Board hereby accepts the Grant of Easement from Pulte Home Company, LLC, executed on September 22, 2017, as described in the Grant of Easement for Sanitary Sewer Purposes and by the legal description and plat map, attached as Exhibit A and Exhibit B, respectively.
2. The Board hereby quitclaims its interest in the eight-foot wide sanitary sewer easement in Tract 8261 and the adjacent ten-foot wide sanitary sewer easement in Lot 5 of Tract 1465, located in the city of Fremont and as described in the Quitclaim Deed and by the legal description and plat map, attached as Exhibit C and Exhibit D, respectively.

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

On motion duly made and seconded, this resolution was adopted by the following vote on May 13, 2019:

AYES:

NOES:

ABSENT:

ABSTAIN:

ANJALI LATHI
President, Board of Directors
Union Sanitary District

Attest:

JENNIFER TOY
Secretary, Board of Directors
Union Sanitary District

RECORDING REQUESTED BY
AND WHEN RECORDED RETURN TO:
Union Sanitary District
Attn: Regina McEvoy
5072 Benson Road
Union City, CA 94587

Record Without Fee
*Pursuant to Government Code
Section 27383*

Space Above Reserved for Recorder's Use Only

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

GRANT OF EASEMENT

BY AND BETWEEN

PULTE HOME COMPANY, LLC

AND

UNION SANITARY DISTRICT

Effective Date: May 13, 2019

CERTIFICATE OF ACCEPTANCE

(Grant of Easement)

This is to certify that the interest in real property conveyed by the Grant of Easement for Sanitary Sewer Purposes, dated September 22, 2017, from Pulte Home Company, LLC, to UNION SANITARY DISTRICT, an independent special district ("**District**"), is hereby accepted by the undersigned officer or agent on behalf of the District pursuant to authority conferred by Resolution No. _____, dated May 13, 2019, and the District consents to recordation thereof by its duly authorized officer.

Date: May __, 2019

District

UNION SANITARY DISTRICT

Paul R. Eldredge, General Manager

ACKNOWLEDGMENT

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

State of California)
) ss
County of Alameda)

On _____, 2019, before me, Regina Dyan McEvoy,
(Name of Notary)

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

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

WITNESS my hand and official seal.

(Notary Signature)

GRANT OF EASEMENT
FOR SANITARY SEWER PURPOSES

THIS INDENTURE, made this 22nd day of September 2017, by and between PULTE HOME COMPANY, LLC, the Party/~~Parties~~ of the First Part, and UNION SANITARY DISTRICT, the Party of the Second Part,

WITNESSETH:

That said Party/~~Parties~~ of the First Part does hereby grant to the Party of the Second Part and to its successors and assigns forever, for the use and purposes herein stated, the rights of way and easements hereinafter described, located in the city of Fremont, county of Alameda, state of California:

See Exhibit "A" and Exhibit "B"

together with the right and privilege of constructing, reconstructing, cleaning, repairing and maintaining at any time, a sanitary sewer and appurtenances along, upon, over, in, through and across the above described property; together with free ingress and egress to and for the said Party of the Second Part, its successors and assigns, its agents and employees, workmen, contractors, equipment, vehicles and tools, along, upon, over, in, through and across said right of way; together with the right of access by its successors and assigns, its agents and employees, workmen, contractors, equipment, vehicles and tools to said right of way from the nearest public street, over and across the adjoining property, if such there be; otherwise by such route or routes across said adjoining property as shall occasion the least practicable damage and inconvenience to the Party/~~Parties~~ of the First Part, for constructing, cleaning, repairing and maintaining said sanitary sewer and appurtenances; together with free ingress and egress over the land immediately adjoining for maintenance, repair and replacement as well as the initial construction of said sewer.

IN WITNESS WHEREOF the said Party/~~Parties~~ of the First Part have executed this indenture the day and year first above written.



Signature

By:

Daniel J. Carroll

(Print or type name and title of signatory)

Pulte Home Company, LLC

(Notarize)

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

STATE OF CALIFORNIA

COUNTY OF ALAMEDA

On September 22, 2017, before me, Jeanne Miller, Notary Public
(here insert name and title of the officer)

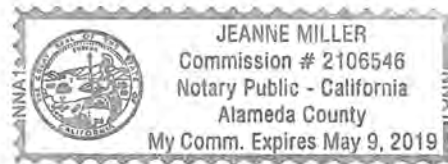
Personally appeared Daniel J. Carroll,

who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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

WITNESS my hand and official seal.


Signature



(Seal)

SEPTEMBER 20, 2017
JOB NO.: 2243-010

**EXHIBIT A
LEGAL DESCRIPTION
SANITARY SEWER EASEMENT CONVEYED TO UNION SANITARY DISTRICT
TRACT 8261
FREMONT, CALIFORNIA**

ALL THAT REAL PROPERTY SITUATE IN THE INCORPORATED TERRITORY OF THE CITY OF FREMONT, COUNTY OF ALAMEDA, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEING PARCELS D, E, F, I, AND K, LABELED AS PUE - PUBLIC UTILITY EASEMENT, OF TRACT 8261 FILED AUGUST 18, 2017 IN BOOK 349 OF MAPS AT PAGES 65-73, ALAMEDA COUNTY RECORDS AND SHOWN ON EXHIBIT B - PLAT MAP OF SANITARY SEWER EASEMENT GRANTED TO UNION SANITARY DISTRICT.

CONTAINING 28,112 SQUARE FEET OF LAND, MORE OR LESS.

ATTACHED HERETO IS A PLAT TO ACCOMPANY LEGAL DESCRIPTION, AND BY THIS REFERENCE MADE A PART HEREOF.

END OF DESCRIPTION



9-21-17

MARK H. WEHBER, P.L.S.
L.S. NO. 7960

SEE SHEET 6



TRACT 8261 BOULEVARD HEIGHTS

FOR CONDOMINIUM PURPOSES OF 67 UNITS
CONSISTING OF 9 SHEETS
BEING A SUBDIVISION OF GRANT DEED RECORDED JANUARY 5, 2017 AS
DOCUMENT NO. 2017002385, OFFICIAL RECORDS OF ALAMEDA COUNTY
CITY OF FREMONT, ALAMEDA COUNTY, CALIFORNIA

Carlson, Barbee & Gibson, Inc.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
SAN RAMON, CALIFORNIA

SCALE: 1" = 20' JULY 2017



BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS DETERMINED BY FOUND
MONUMENTS ON THE MONUMENT LINE IN CLOUGH AVENUE THE
BEARING BEING NORTH 35°03' EAST PER TRACT 783 (18 M 102)

LEGEND

	SUBDIVISION BOUNDARY LINE
	RIGHT OF WAY LINE
	LOT LINE/PARCEL LINE
	ADJOINER LOT LINE
	CENTERLINE
	EASEMENT LINE
	MONUMENT LINE
	THE LINE
	FOUND STANDARD STREET MONUMENT, AS NOTED
	SET STANDARD STREET WELL MONUMENT, BRASS DISK STAMPED LS 7960
	SET 5/8" REBAR AND CAP LS 7960 OR NAIL AND TAG LS 7960
(M-M)	MONUMENT TO MONUMENT
(M-PL)	MONUMENT TO PROPERTY LINE
(R)	RADIAL
(T)	TOTAL
EAVE	EMERGENCY VEHICLE ACCESS EASEMENT
PSDE	PRIVATE STORM DRAIN EASEMENT
PSE	PUBLIC SERVICE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
PVAW	PRIVATE VEHICLE ACCESSWAY
	SANITARY SEWER EASEMENT AREA

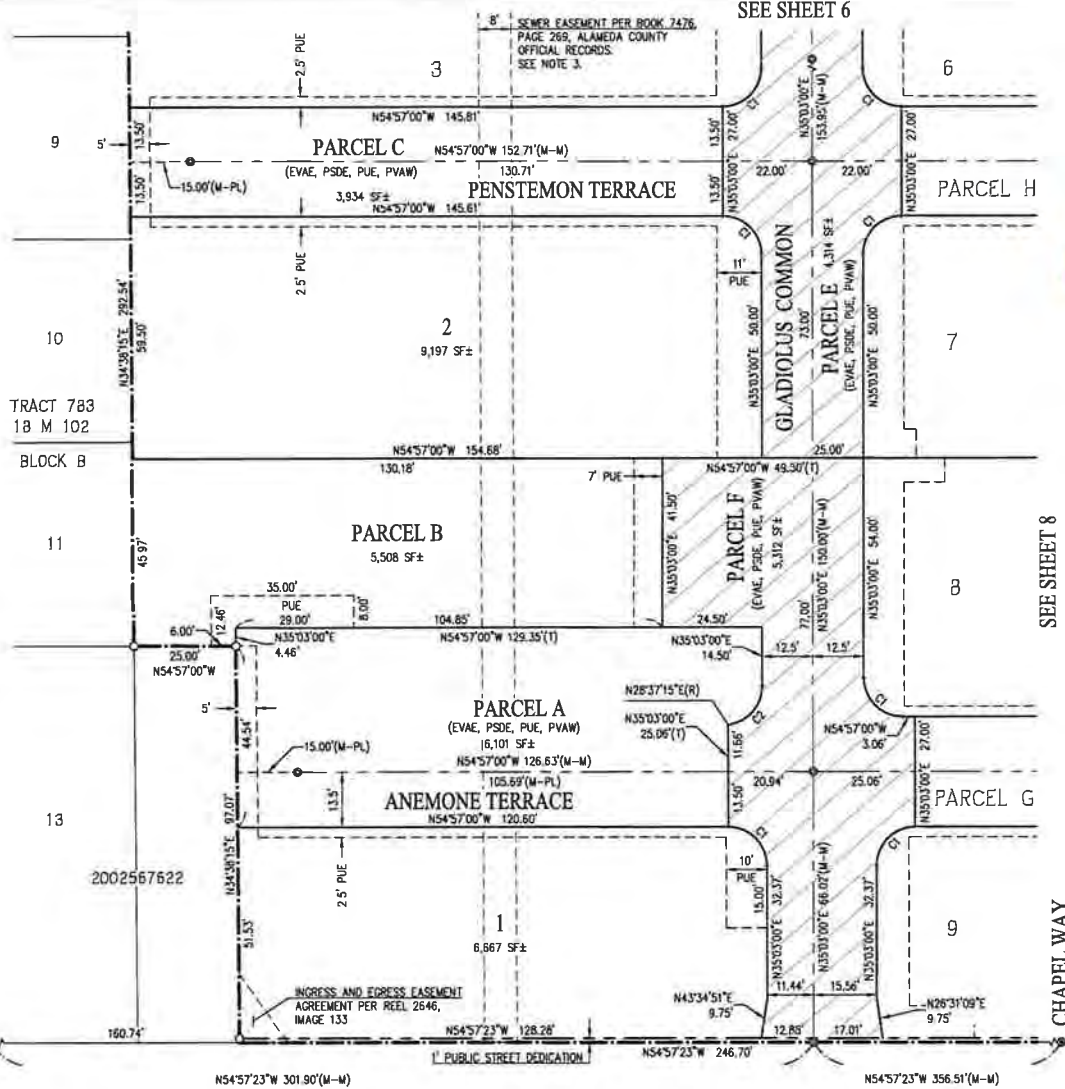
CURVE TABLE			
NO	RADIUS	DELTA	LENGTH
C1	9.50'	90°00'00"	14.92'
C2	9.50'	83°34'15"	13.86'

REFERENCES:

- (J) INDICATES REFERENCE NUMBER
- (1) TRACT 783 (18 M 102)
- (2) TRACT 1465 (35 M 38)
- (3) TRACT 4814 (129 M 43)
- (4) PARCEL MAP 1023 (79 M 33)
- (5) PARCEL MAP 3383 (125 M 92)
- (6) GRANT DEED 2017002385
- (7) GRANT DEED 92181783
- (8) REEL 1657 IMAGE 977
- (9) GRANT DEED 2002188137

EXHIBIT B

PLAT MAP OF SANITARY SEWER EASEMENT GRANTED TO
UNION SANITARY DISTRICT
CITY OF FREMONT, ALAMEDA COUNTY, CALIFORNIA



NOTE:

- MONUMENT TIES ARE PERPENDICULAR TO THE MONUMENT LINES UNLESS OTHERWISE NOTED.
- ALL DISTANCES SHOWN ARE GROUND LEVEL DISTANCES.
- NO BUILDING STRUCTURES SHALL BE CONSTRUCTED OVER LOT 1, LOT 2, LOT 3 AND LOT 4, PRIOR TO UNION SANITARY DISTRICT RELEASING THEIR EASEMENT OVER SAID LOTS.

FREMONT BOULEVARD

(PUBLIC STREET)
(FORMERLY CENTERVILLE IRVINGTON ROAD & CO. RD. 397)

TRACT 8261 BOULEVARD HEIGHTS

FOR CONDOMINIUM PURPOSES OF 67 UNITS
CONSISTING OF 9 SHEETS
BEING A SUBDIVISION OF GRANT DEED RECORDED JANUARY 5, 2017 AS
DOCUMENT NO. 2017002385, OFFICIAL RECORDS OF ALAMEDA COUNTY
CITY OF FREMONT, ALAMEDA COUNTY, CALIFORNIA

Carlson, Barbee & Gibson, Inc.

CIVIL ENGINEERS • SURVEYORS • PLANNERS
SAN RAMON, CALIFORNIA

SCALE: 1" = 20' JULY 2017



BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS DETERMINED BY FOUND
MONUMENTS ON THE MONUMENT LINE IN CLOUGH AVENUE. THE
BEARING BEING NORTH 35°03' EAST PER TRACT 783 (18 M 102)

LEGEND

	SUBDIVISION BOUNDARY LINE
	RIGHT OF WAY LINE
	LOT LINE/PARCEL LINE
	ADJOINER LOT LINE
	CENTERLINE
	EASEMENT LINE
	MONUMENT LINE
	TIE LINE
⊙	FOUND STANDARD STREET MONUMENT, AS NOTED
⊗	SET STANDARD STREET WELL MONUMENT, BRASS DISK STAMPED LS 7960
○	SET 5/8" REBAR AND CAP LS 7960 OR NAIL AND TAG LS 7960
(M-W)	MONUMENT TO MONUMENT
(M-PL)	MONUMENT TO PROPERTY LINE
(R)	RADIAL
(T)	TOTAL
EVAE	EMERGENCY VEHICLE ACCESS EASEMENT
PSDE	PRIVATE STORM DRAIN EASEMENT
PSE	PUBLIC SERVICE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
PVAW	PRIVATE VEHICLE ACCESSWAY
	SANITARY SEWER EASEMENT AREA

LINE TABLE		
NO	BEARING	LENGTH
L1	N34°38'15"E	6.02' (6.00')(2)

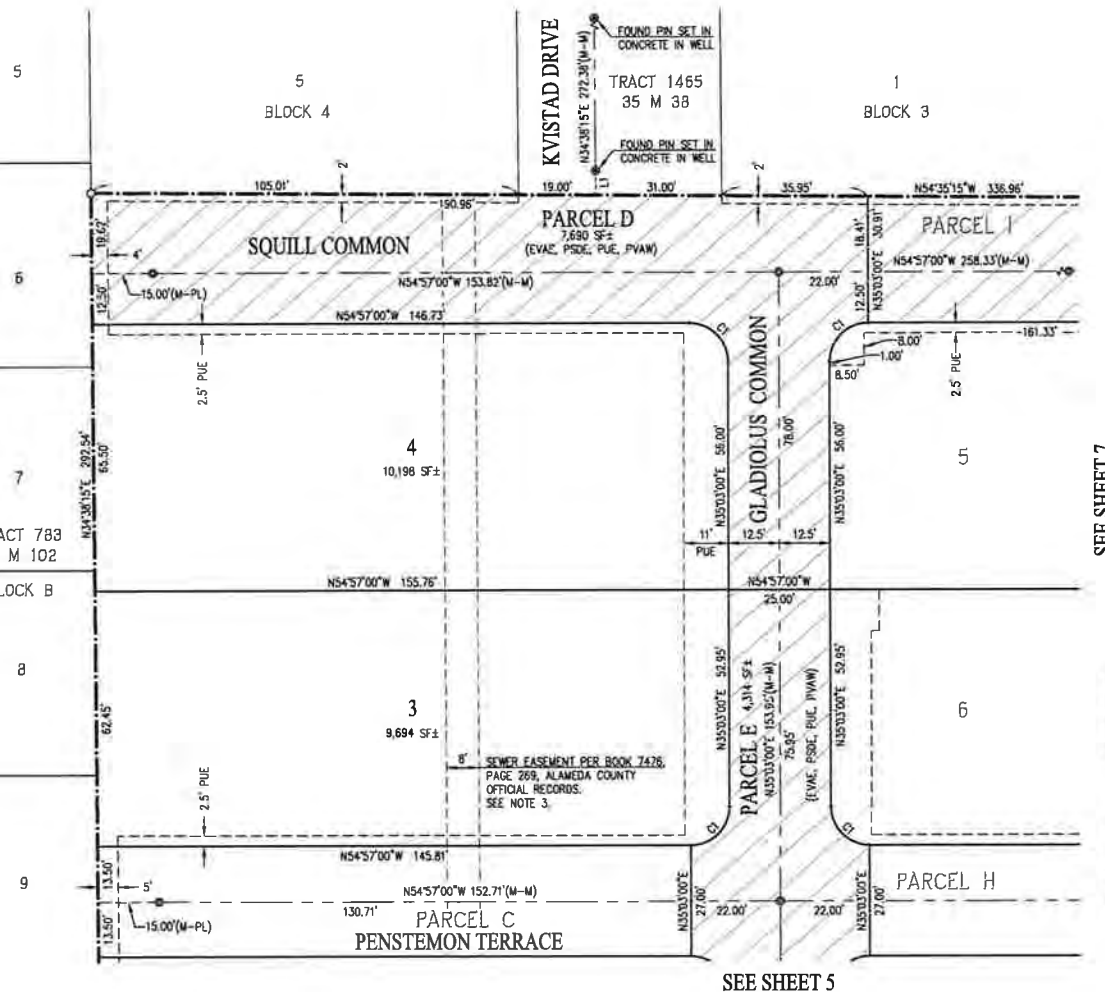
CURVE TABLE			
NO	RADIUS	DELTA	LENGTH
C1	9.50'	90°00'00"	14.92'

REFERENCES:

- (#) INDICATES REFERENCE NUMBER.
(1) TRACT 783 (18 M 102)
(2) TRACT 1465 (35 M 38)
(3) TRACT 4814 (129 M 43)
(4) PARCEL MAP 1023 (79 M 33)
(5) PARCEL MAP 3383 (125 M 92)
(6) GRANT DEED 2017002385
(7) GRANT DEED 92161783
(8) REEL 1657 IMAGE 977
(9) GRANT DEED 2002168137

EXHIBIT B

PLAT MAP OF SANITARY SEWER EASEMENT GRANTED TO
UNION SANITARY DISTRICT
CITY OF FREMONT, ALAMEDA COUNTY, CALIFORNIA



NOTE:

- MONUMENT TIES ARE PERPENDICULAR TO THE MONUMENT LINES UNLESS OTHERWISE NOTED.
- ALL DISTANCES SHOWN ARE GROUND LEVEL DISTANCES.
- NO BUILDING STRUCTURES SHALL BE CONSTRUCTED OVER LOT 1, LOT 2, LOT 3 AND LOT 4, PRIOR TO UNION SANITARY DISTRICT RELEASING THEIR EASEMENT OVER SAID LOTS.

TRACT 8261 BOULEVARD HEIGHTS

FOR CONDOMINIUM PURPOSES OF 67 UNITS
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DOCUMENT NO 2017002385, OFFICIAL RECORDS OF ALAMEDA COUNTY
CITY OF FREMONT, ALAMEDA COUNTY, CALIFORNIA

Carlson, Barbee & Gibson, Inc.

CIVIL ENGINEERS • SURVEYORS • PLANNERS
SAN RAMON, CALIFORNIA

SCALE: 1" = 20' JULY 2017

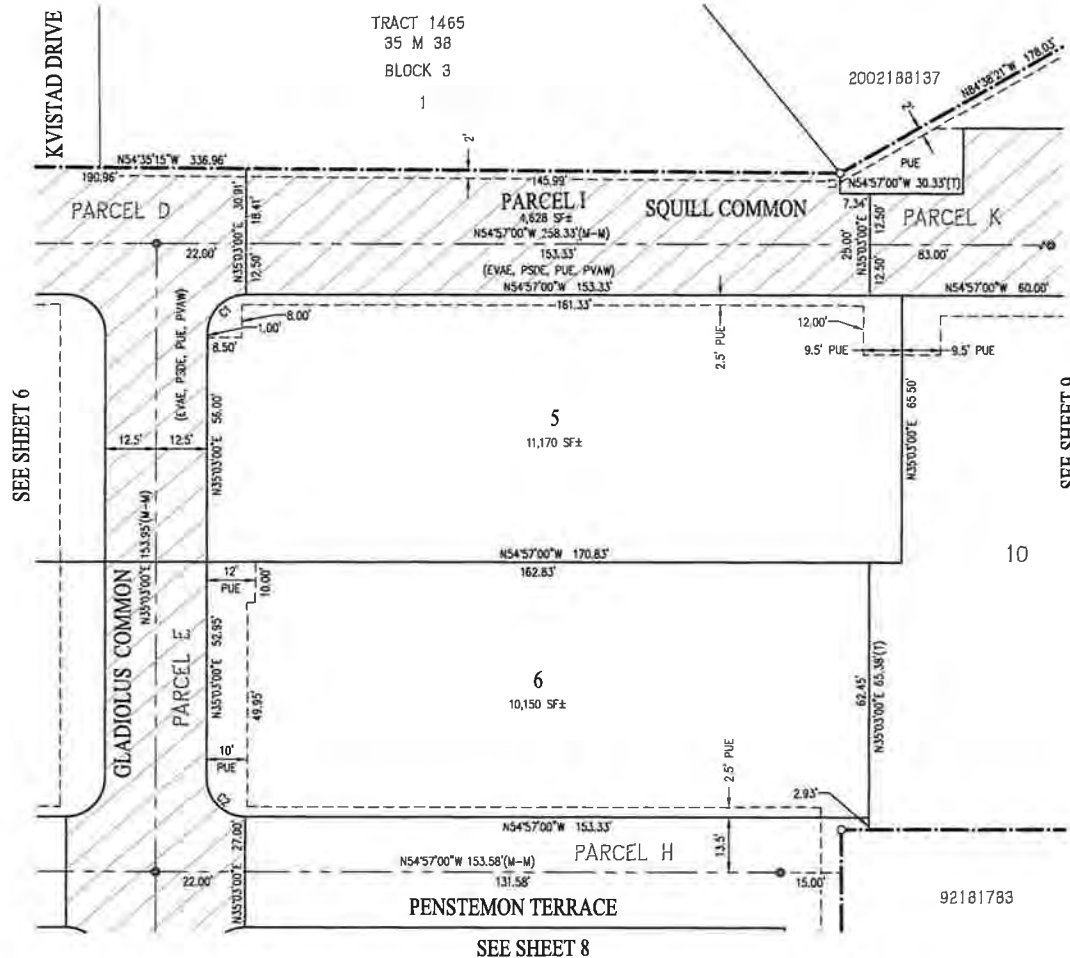


BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS DETERMINED BY FOUND MONUMENTS ON THE MONUMENT LINE IN CLOUGH AVENUE. THE BEARING BEING NORTH 35°03' EAST PER TRACT 783 (18 M 102).

LEGEND

	SUBDIVISION BOUNDARY LINE
	RIGHT OF WAY LINE
	LOT LINE/PARCEL LINE
	ADJOINER LOT LINE
	CENTERLINE
	EASEMENT LINE
	MONUMENT LINE
	TIE LINE
	FOUND STANDARD STREET MONUMENT, AS NOTED
	SET STANDARD STREET WELL MONUMENT, BRASS DISK STAMPED LS 7960
	SET 5/8" REBAR AND CAP LS 7960 OR NAIL AND TAG LS 7960
(M-M)	MONUMENT TO MONUMENT
(M-PL)	MONUMENT TO PROPERTY LINE
(R)	RADIAL
(T)	TOTAL
EVAE	EMERGENCY VEHICLE ACCESS EASEMENT
PSDE	PRIVATE STORM DRAIN EASEMENT
PSE	PUBLIC SERVICE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
PVAW	PRIVATE VEHICLE ACCESSWAY
	SANITARY SEWER EASEMENT AREA



LINE TABLE		
NO	BEARING	LENGTH
L1	N35°03'00"E	4.98'

CURVE TABLE			
NO	RADIUS	DELTA	LENGTH
C1	9.50'	90°00'00"	14.92'
C2	9.50'	90°00'00"	14.92'

REFERENCES:

- (#) INDICATES REFERENCE NUMBER.
- (1) TRACT 783 (18 M 102)
- (2) TRACT 1465 (35 M 38)
- (3) TRACT 4814 (129 M 43)
- (4) PARCEL MAP 1023 (79 M 33)
- (5) PARCEL MAP 3383 (125 M 92)
- (6) GRANT DEED 2017002385
- (7) GRANT DEED 92181783
- (8) REEL 1657 IMAGE 977
- (9) GRANT DEED 2002188137

NOTE:

- 1 MONUMENT TIES ARE PERPENDICULAR TO THE MONUMENT LINES UNLESS OTHERWISE NOTED.
- 2 ALL DISTANCES SHOWN ARE GROUND LEVEL DISTANCES.

EXHIBIT B

PLAT MAP OF SANITARY SEWER EASEMENT GRANTED TO
UNION SANITARY DISTRICT
CITY OF FREMONT, ALAMEDA COUNTY, CALIFORNIA

TRACT 8261 BOULEVARD HEIGHTS

FOR CONDOMINIUM PURPOSES OF 67 UNITS
CONSISTING OF 9 SHEETS
BEING A SUBDIVISION OF GRANT DEED RECORDED JANUARY 5, 2017 AS
DOCUMENT NO. 2017002385, OFFICIAL RECORDS OF ALAMEDA COUNTY
CITY OF FREMONT, ALAMEDA COUNTY, CALIFORNIA

Carlson, Barbee & Gibson, Inc.

CIVIL ENGINEERS • SURVEYORS • PLANNERS
SAN RAMON, CALIFORNIA

SCALE: 1" = 20' JULY 2017



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MONUMENTS ON THE MONUMENT LINE IN CLOUGH AVENUE. THE
BEARING BEING NORTH 35°03' EAST PER TRACT 783 (18 M 102).

LEGEND

	SUBDIVISION BOUNDARY LINE
	RIGHT OF WAY LINE
	LOT LINE/PARCEL LINE
	ADJOINER LOT LINE
	CENTERLINE
	EASEMENT LINE
	MONUMENT LINE
	TIE LINE
	FOUND STANDARD STREET MONUMENT, AS NOTED
	SET STANDARD STREET WELL MONUMENT, BRASS DISK STAMPED LS 7960
	SET 5/8" REBAR AND CAP LS 7960 OR NAIL AND TAG LS 7960
(M-M)	MONUMENT TO MONUMENT
(M-PL)	MONUMENT TO PROPERTY LINE
(R)	RADIAL
(T)	TOTAL
EVAE	EMERGENCY VEHICLE ACCESS EASEMENT
PSDE	PRIVATE STORM DRAIN EASEMENT
PSE	PUBLIC SERVICE EASEMENT
PUE	PUBLIC UTILITY EASEMENT
PVAW	PRIVATE VEHICLE ACCESSWAY
	SANITARY SEWER EASEMENT AREA

REFERENCES:

- (#) INDICATES REFERENCE NUMBER.
(1) TRACT 783 (18 M 102)
(2) TRACT 1465 (35 M 38)
(3) TRACT 4814 (129 M 43)
(4) PARCEL MAP 1023 (79 M 33)
(5) PARCEL MAP 3383 (125 M 82)
(6) GRANT DEED 2017002385
(7) GRANT DEED 92181783
(8) REEL 1657 IMAGE 977
(9) GRANT DEED 2002188137

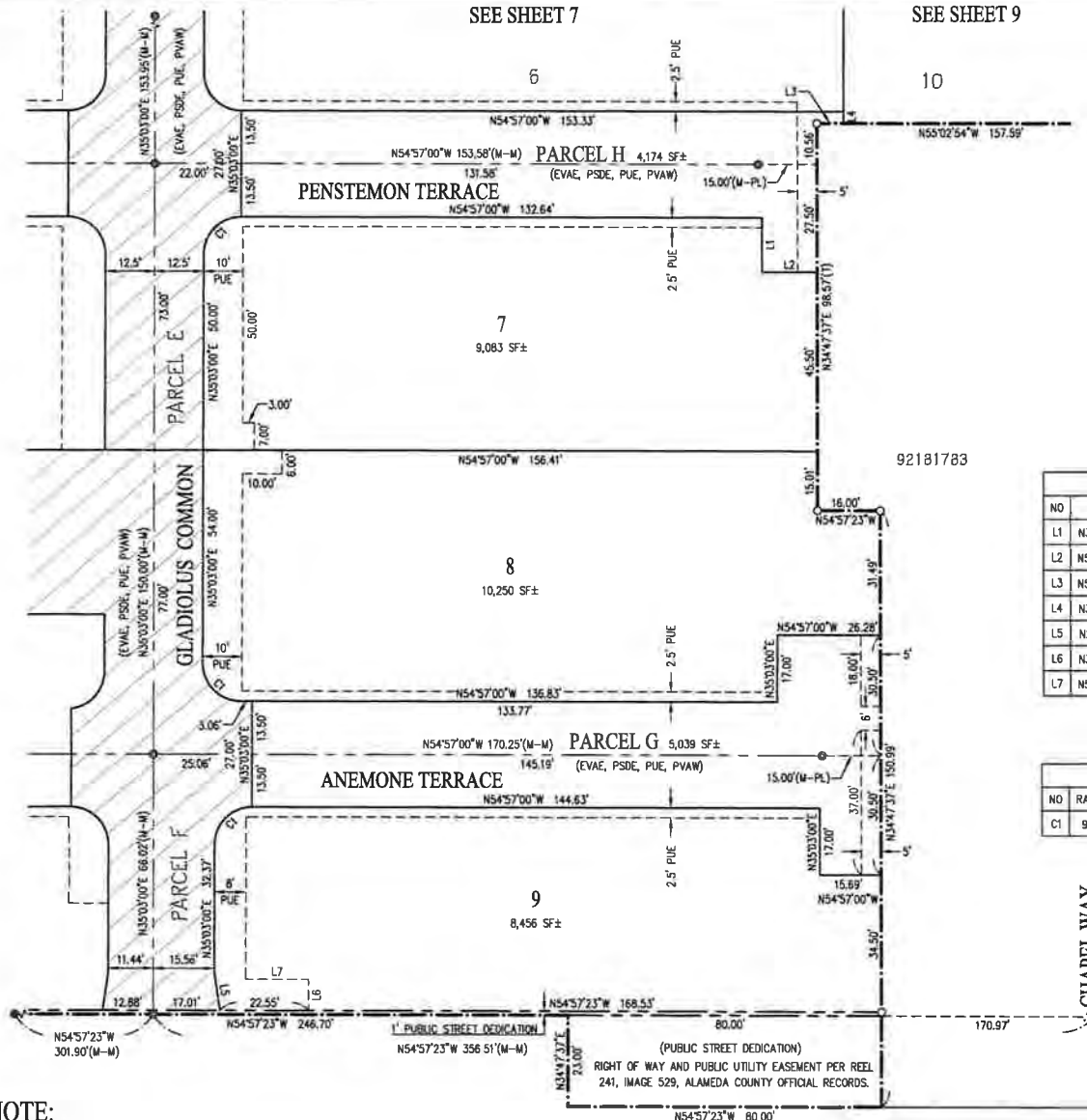
EXHIBIT B

PLAT MAP OF SANITARY SEWER EASEMENT GRANTED TO
UNION SANITARY DISTRICT
CITY OF FREMONT, ALAMEDA COUNTY, CALIFORNIA

SEE SHEET 5

SEE SHEET 7

SEE SHEET 9



NOTE:

- MONUMENT TIES ARE PERPENDICULAR TO THE MONUMENT LINES UNLESS OTHERWISE NOTED
- ALL DISTANCES SHOWN ARE GROUND LEVEL DISTANCES.

FREMONT BOULEVARD
(FORMERLY CENTERVILLE IRVING ROAD & CO. RD. 397)

TRACT 8261 BOULEVARD HEIGHTS

FOR CONDOMINIUM PURPOSES OF 67 UNITS
CONSISTING OF 9 SHEETS
BEING A SUBDIVISION OF GRANT DEED RECORDED JANUARY 5, 2017 AS
DOCUMENT NO. 2017002385, OFFICIAL RECORDS OF ALAMEDA COUNTY
CITY OF FREMONT, ALAMEDA COUNTY, CALIFORNIA

Carlson, Barbee & Gibson, Inc.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
SAN RAMON, CALIFORNIA

SCALE: 1" = 20' JULY 2017



BASIS OF BEARINGS:

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MONUMENTS ON THE MONUMENT LINE IN CLOUGH AVENUE. THE
BEARING BEING NORTH 35°03' EAST PER TRACT 783 (18 M 102)

LEGEND

	SUBDIVISION BOUNDARY LINE
	RIGHT OF WAY LINE
	LOT LINE/PARCEL LINE
	ADJOINER LOT LINE
	CENTERLINE
	EASEMENT LINE
	MONUMENT LINE
	TIE LINE
	FOUND STANDARD STREET MONUMENT, AS NOTED
	SET STANDARD STREET WELL MONUMENT, BRASS DISK STAMPED LS 7960
	SET 5/8" REBAR AND CAP LS 7960 OR NAIL AND TAG LS 7960
	MONUMENT TO MONUMENT
	MONUMENT TO PROPERTY LINE
	(M-M)
	(M-PL)
	(R)
	(T)
	TOTAL
	EMERGENCY VEHICLE ACCESS EASEMENT
	PRIVATE STORM DRAIN EASEMENT
	PSE
	PUE
	PVUE
	PVAV
	SANITARY SEWER EASEMENT AREA

NO	BEARING	LENGTH
L1	N61°56'50"W	6.55'
L2	N47°06'02"W	9.13'

NO	RADIUS	DELTA	LENGTH
C1	9.50'	90°00'00"	14.92'
C2	19.00'	32°08'04"	10.66'
C3	20.00'	32°00'26"	11.17'

REFERENCES:

- (#) INDICATES REFERENCE NUMBER.
(1) TRACT 783 (18 M 102)
(2) TRACT 1465 (35 M 38)
(3) TRACT 4814 (129 M 43)
(4) PARCEL MAP 1023 (79 M 33)
(5) PARCEL MAP 3363 (125 M 92)
(6) GRANT DEED 2017002385
(7) GRANT DEED 92181783
(8) REEL 1657 IMAGE 977
(9) GRANT DEED 2002188137

EXHIBIT B

PLAT MAP OF SANITARY SEWER EASEMENT GRANTED TO
UNION SANITARY DISTRICT
CITY OF FREMONT, ALAMEDA COUNTY, CALIFORNIA

SEE SHEET 7

NOTE:

1. MONUMENT TIES ARE PERPENDICULAR TO THE MONUMENT LINES UNLESS OTHERWISE NOTED.
2. ALL DISTANCES SHOWN ARE GROUND LEVEL DISTANCES.

Recording requested by
and when recorded
return to:

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

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

QUITCLAIM DEED - EASEMENT

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, UNION SANITARY DISTRICT, a public sanitary district, does hereby REMISE, RELEASE AND QUITCLAIM the real property in the City of FREMONT, County of ALAMEDA, State of CALIFORNIA, described and assigned as follows:

One sanitary sewer easement, eight-feet in width, granted to the Irvington Sanitary District, now part of the Union Sanitary District, as described in that certain Grant of Easement recorded November 10, 1954, in Book 7476 at Page 269 of the Official Records of Alameda County, more particularly described in Exhibit C, and portrayed graphically in Exhibit D hereto, assigned to PULTE HOME COMPANY, LLC, and its successors.

One sanitary sewer easement, ten-feet in width, described as 'Sanitary Sewer Easement' shown in Lot 5 of the Official Map of Tract 1465, recorded December 8, 1954, in Book 35 of Maps at Page 38 of the Official Records of Alameda County, more particularly described in Exhibit C, and portrayed graphically in Exhibit D hereto, assigned to the current owners Sam and Griselda Lopez, and their successors.

Dated this 13th day of May 2019.

ANJALI LATHI
President, Board of Directors
Union Sanitary District

SEPTEMBER 20, 2017
JOB NO.: 2243-010

EXHIBIT C
LEGAL DESCRIPTION
QUITCLAIM-SANITARY SEWER EASEMENT
IRVINGTON SANITARY DISTRICT (7476 OR 269)
LOT 5, TRACT 1465 (35 M 38)
FREMONT, CALIFORNIA

REAL PROPERTY, SITUATE IN THE INCORPORATED TERRITORY OF THE CITY OF
FREMONT, COUNTY OF ALAMEDA, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

BEING ALL OF THE EIGHT (8) FOOT WIDE STRIP OF LAND DESCRIBED IN THAT
CERTAIN GRANT OF EASEMENT RECORDED NOVEMBER 10, 1954, IN BOOK 7476 AT
PAGE 269, ALAMEDA COUNTY OFFICIAL RECORDS, IN THE OFFICE OF THE COUNTY
RECORDER OF ALAMEDA COUNTY. WHICH STRIP IS CURRENTLY LOCATED ON THE
LANDS OF PULTE HOME CORPORATION, DOCUMENT NO. 2017-002385, APN 525-
0701-018-07.


TOGETHER WITH;

ALL OF THE TEN (10) FOOT WIDE STRIP DESCRIBED AS 'SANITARY SEWER
EASEMENT' IN THE SOUTHEASTERLY CORNER OF LOT 5, AS SAID LOT 5 IS SHOWN
AND SO DESIGNATED ON THE OFFICIAL MAP OF TRACT 1465, FILED FOR RECORD
DECEMBER 8 1954, IN BOOK 35 OF MAPS AT PAGE 38, IN SAID OFFICE OF THE
COUNTY RECORDER. WHICH STRIP IS CURRENTLY LOCATED ON THE LANDS OF SAM
AND GRISELDA LOPEZ, DOCUMENT NO. 2005-552113, APN 525-0701-036.

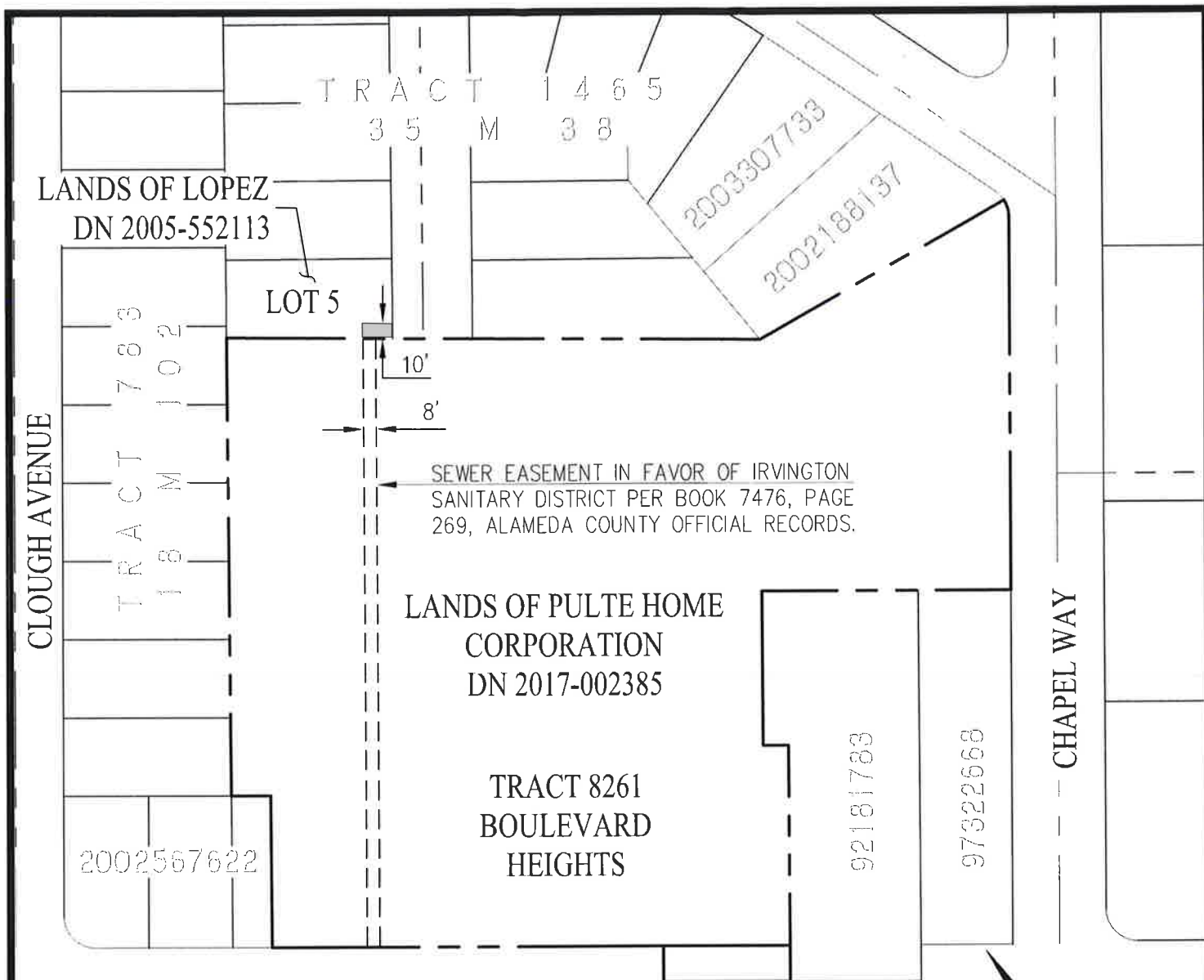
ATTACHED HERETO IS A PLAT TO ACCOMPANY LEGAL DESCRIPTION, AND BY THIS
REFERENCE MADE A PART HEREOF.

END OF DESCRIPTION.




JOEL GARCIA, P.L.S.
L.S. NO. 5285
09-20-2017

NOTE: IRVINGTON SANITARY DISTRICT BECAME PART OF UNION SANITARY
DISTRICT IN 1956.



- FREMONT BOULEVARD -



EXHIBIT D PLAT TO ACCOMPANY LEGAL DESCRIPTION

QUITCLAIM

IRVINGTON SANITARY DISTRICT (7476 OR 269)

LOT 5 TRACT 1465 (35 M 38)

FREMONT, CALIFORNIA

SEPTEMBER 20, 2017

SHEET 1 OF 1

NOTE: IRVINGTON SANITARY DISTRICT BECAME PART OF UNION SANITARY DISTRICT IN 1956.

Carlson, Barbee & Gibson, Inc.

CIVIL ENGINEERS • SURVEYORS • PLANNERS

SAN RAMON • (925) 866 - 0322
WEST SACRAMENTO • (916) 375 - 1877

**Directors**

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**MAY 13, 2019
BOARD OF DIRECTORS MEETING
AGENDA ITEM #12**

TITLE: **Receive Information and Provide Direction Regarding Private Lateral Outreach Video (*This is a Direction Item*)**

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
James Schofield, Collection Services Manager
Michelle Powell, Communications and Intergovernmental Relations Coordinator

Recommendation

Receive an update regarding USD's private lateral informational video and provide direction as necessary.

Previous Board Action

February 11, 2019 Board Meeting, the USD Board was presented a script and accompanying storyboard for the private lateral informational video and agreed that no changes were necessary prior to video production.

Background

The Board previously received results of a Lateral Study conducted to understand current and possible future problems associated with private sewer laterals. The condition assessment revealed that in general, laterals were in fair condition, but various maintenance issues existed that could result in lateral stoppages.

Board members indicated interest in development of an educational outreach video to explain homeowner responsibility, provide information about what to do to prevent lateral stoppages, and recommend actions homeowners should take in the event of a stoppage.

USD Collections staff often encounters homeowners who have received erroneous information about their responsibility from plumbers who are not aware that rules differ from community to community. The video will be a resource staff can access from the field to share with property owners when they respond to trouble calls. It will be also be a resource for staff receiving telephone calls at the front desk who can then guide customers to it on our website. The video will include the following information for customers:

- Homeowner responsibility
- Steps homeowners can take to avoid stoppages
- What to do when a stoppage occurs
- Tips for hiring plumbing contractors

Crux Jinx Productions, which produced USD's recent District overview video, was contracted to develop the private lateral outreach video. Staff worked with Crux Jinx to develop a storyboard and script, which was presented to the Board at its February 11, 2019 meeting. Crux Jinx Productions then completed shooting the video and incorporated initial edits based on staff input. Staff is presenting the most updated version for Board consideration and feedback at this meeting.



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

Karen W. Murphy
Attorney

**MAY 13, 2019
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 13**

TITLE: **Status of Priority 1 Capital Improvement Program Projects (*This is an Information Item*)**

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
 Sami E. Ghossain, Technical Services Work Group Manager

Recommendation

Information only.

Previous Board Action

None.

Background

In June 2018, the Board approved the Capital Improvement Program (CIP) budget for FY19 in the amount of \$9.29 million for the design and construction of 31 CIP projects.

These 31 projects are ranked as Priority 1, 2, or 3 projects based on criteria prepared by staff and approved by the Executive Team. A copy of the criteria used to prioritize the projects is attached for your reference.

The status of the Priority 1 CIP projects is reviewed by the Executive Team at the end of each quarter and a copy of the status report is attached for the Board's review. For FY19, 12 projects are ranked as Priority 1 projects and the remaining 19 are ranked as Priority 2 or Priority 3 projects.

Agenda Item No. 13
Meeting of May 13, 2019
Page 2

Also attached is a tabular summary of the number and nature of the ongoing CIP projects at the District during FY19.

PRE/SEG;dl

Attachments: Priority 1 CIP Projects for FY19 - Status Report
Summary of CIP Projects for FY19
Priority 1 CIP Project Criteria
Priority 2 & 3 CIP Project Criteria

Priority 1 CIP Projects for FY 19 – Status Report

	CIP Project	Planned Milestones	Status after 1st Quarter	Status after 2nd Quarter	Status after 3rd Quarter	Status after 4th Quarter
1	Central Avenue Sanitary Sewer Relocation	Complete design by June 2019. This milestone is dependent on the City of Newark bridge design assessment and whether the force mains and trunk sewers would have to be relocated.	Force mains and trunk sewers were potholed and located. Survey information provided to the City's design consultant.	The bridge supports will be designed to avoid the force mains and trunk sewer. The City will consider including the relocation of the 10" and 15" sewer mains as part of their bridge project.	The City's consultant has been asked to prepare a proposal for the design of the sewer relocation.	
2	Cherry St. PS	a) Complete predesign scope development by April 2019. b) Complete draft design-build RFP by August 2019.	Consultant proposals for predesign phase received. Consultant selection in October 2018.	Carollo was selected for predesign phase. However, a new development is proposed for a tributary area. Carollo will update the Capacity Study to assess the impact of the additional flows.	Task Order with Carollo has been executed for an update of the capacity needs assessment based on future developments in the area.	
3	Digester No. 2 Insp and Rehab	Complete condition assessment and predesign by June 2019.	Preliminary scope was reviewed by Staff.	RFP for condition assessment was issued and two proposals were received. RFP for the rehabilitation was issued and due in Jan 2019.	Task Order with JDH Corrosion has been executed for the condition assessment. Task Order with Carollo has been executed for the design of the rehabilitation.	

4	Digester No. 3 Insp and Rehab	a) Substantial completion by May 2019. b) Project acceptance by the Board by July 2019.	Design of the mixing lines replacement was completed and RFQ was issued.	Demolition work for the mixing lines replacement has begun. Shop drawings for the new materials was reviewed.	Installation of mixing lines and coatings has been completed. Water leakage test and functional testing of equipment has begun.	
5	Digester 7	a) Submit SRF Application by December 31, 2018. b) Complete design by June 2019.	Value Engineering analysis was completed, and a number of project scope elements were modified.	SRF application was submitted on Dec 26, 2018. Design amendment negotiations with consultant for incorporating the scope changes.	90 percent design submittal has been received, and submittal review has begun.	
6	Force Main corrosion Repairs – Phase 2	a) Substantial completion by August 2018. b) Project acceptance by the Board by October 2018.	Project was substantially completed on August 17, 2018. The Board accepted the project on October 8, 2018.	The Board accepted the project on October 8, 2018.	Completed.	
7	Force Main corrosion Repairs – Phase 3	Complete design by April 2019.	Design contract negotiations have begun.	Design task order executed. 90% design submitted in December 2018.	Design has been completed.	
8	Headworks 3rd Bar Screen	a) Complete design by February 2019. b) Advertise for bid by March 2019.	Project scope was modified to replace the two existing mechanical screens.	Amendment executed in October 2018 to include replacement of the two existing	Review of the 90 percent design submittal has been completed.	

				mechanical screens. 90% design submitted in December 2018.	Design will include a trash compactor for handling of screenings and on-site storage.	
9	Secondary Treatment Capacity Improvements	Complete process evaluation by December 2018.	On-site sampling and stress testing of the secondary clarifiers completed. Comprehend Phase Workshop was conducted.	Explore Phase Workshop was conducted in October 2018 which concluded the process evaluation. Executed amendment for Converge Phase.	Converge Phase was conducted in February 2019. A Board presentation will be conducted in the fourth quarter.	
10	Standby Power Generation System Upgrade	a) Submit SRF Application by December 31, 2018. b) Receive draft equipment preselection RFQ package by February 2019. c) 50% design by April 2019. d) 90% design by September 2019. e) Complete design by October 2019.	MBR electrical load evaluations were completed.	SRF application was submitted on Dec 26, 2018. Design resumed with two 3.5 MW engine generators. Review of draft equipment preselection RFQ package with consultant and attorney.	Work on the equipment preselection RFQ package continued. 50 percent design submittal was received in March 2019.	
11	WAS Thickeners Improvements	Complete predesign by June 2019.	RFP was issued and Carollo Engineers was selected for the project	Executed predesign task order in November 2018. Conducted predesign phase	Alternative selection workshop was conducted in January 2019.	

			predesign phase services.	kickoff meeting with consultant.		
12	Wet Weather Flow Management	Identify project scope and budget by April 2019. This milestone is dependent on the completion of the Secondary Treatment Capacity Improvements Process Evaluation and the Plant Master Plan.	The Secondary Treatment Capacity Improvements Process Evaluation will consider processes that include wet weather management/ discharge.	The Secondary Treatment Capacity Improvements Process Evaluation will consider processes that include wet weather management/ discharge.	The Secondary Treatment Capacity Improvements Process Evaluation will consider processes that include wet weather management/ discharge.	

SUMMARY OF CIP PROJECTS FOR FY19

Type of Project	Number of Projects	Names of Projects
Administrative Facilities	One	1. Plant Paving
Collection System	Two	2. Cast Iron/Pipe Lining, Phase VII 3. Central Avenue Sanitary Sewer Relocation
Transport System	Nine	1. Cathodic Protection Improvements – Transport 2. Cherry St. PS 3. Equalization Storage at Irvington 4. Equalization Storage at Newark 5. Force Main Corrosion Repairs – Phase 2 6. Force Main Corrosion Repairs – Phase 3 7. Newark and Irvington PS Chemical System Improvements 8. Newark Plant Site Security 9. Wet Weather Flow Management
Treatment System	Nineteen	1. Aeration Blower 11 (High Speed) 2. Alvarado Influent PS Improvements 3. Centrifuge Conveyance 4. Cogen Building Ventilation 5. Cogen Natural Gas and Power Meters 6. Control Box No. 1 Improvements 7. Degritter Building 2W Pipeline 8. Digester No. 2 Inspection and Rehab 9. Digester No. 3 Inspection and Rehab 10. Digester No. 7 11. Emergency Outfall Outlet Improvements

Treatment System (continued)		12. Headworks 3rd Bar Screen 13. Odor Scrubber System Improvements 14. Plant Grating Replacement 15. RAS Control Interim Improvements 16. Secondary Treatment Cap. Improv - Design 17. Standby Power Generation System Upgrade 18. Thickener Mechanism 19. WAS Thickeners
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Total: 31

PRIORITY 1 CIP PROJECT CRITERIA

Priority 1 Projects:

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

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

PRIORITY 2 & 3 CIP PROJECT CRITERIA

Priority 2 Projects

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

Priority 3 Projects

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

**Directors**

Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers

Paul R. Eldredge
*General Manager/
District Engineer*

Karen W. Murphy
Attorney

**MAY 13, 2019
BOARD OF DIRECTORS MEETING
AGENDA ITEM # 14**

TITLE: **Third Quarterly Report on the Capital Improvement Program for FY19**
(This is an Information Item)

SUBMITTED: Paul R. Eldredge, General Manager/District Engineer
 Sami E. Ghossain, Technical Services Work Group Manager

Recommendation

Information only.

Previous Board Action

None.

Background

In June 2018, the Board approved the Capital Improvement Program (CIP) budget for FY19 in the amount of \$9.29 million for the design and construction of 31 CIP projects. The third quarter expenditures for FY19 are shown on the attached budget projection graphs. These graphs depict actual expenditures versus approved budget for the Capacity Fund 900, the Renewal and Replacement Fund 800 as well as for both funds, combined.

The total CIP expenditures up to March 31, 2019 were under the projections for the third quarter by approximately \$303,000. The main projects that had significant variances from the projected expenditures are the Digester No. 3, Standby Power Upgrade, Digester No. 7, and the Alvarado Influent PS Improvements projects.

These primary variances are tabulated as follows:

Project	Variance at the end of 3rd Quarter (x \$1000)	Comments
Digester No. 3 Insp & Rehab	+900	Construction is taking longer than expected due to contractor delays. In addition, initial construction time is extended, and cost has increased due to the replacement of the sludge mixing pipelines.
Standby Power Generation System Upgrade	-700	Design is taking longer than expected due to the evaluation of future electric loads and the complexities associated with coordinating the design with engine manufacturers and PG&E.
Alvarado Influent PS Improvements	-253	Design is taking longer than expected due to scope development and prioritization.
Digester No. 7	-250	Design is taking longer than expected due to the Value Engineering analysis and the subsequent modified scope.
Total Variance for the 3rd Qtr.	-303	

In addition to the four (4) projects listed above, the following high-priority projects will be either in design or in construction during FY19:

1. Central Avenue Sanitary Sewer Relocation
2. Cherry St. PS Improvements
3. Digester No. 2 Inspection and Rehabilitation
4. Force Main Corrosion Repairs – Phase 2
5. Force Main Corrosion Repairs – Phase 3
6. Headworks 3rd Bar Screen
7. Secondary Treatment Capacity Improvements
8. WAS Thickeners Improvements

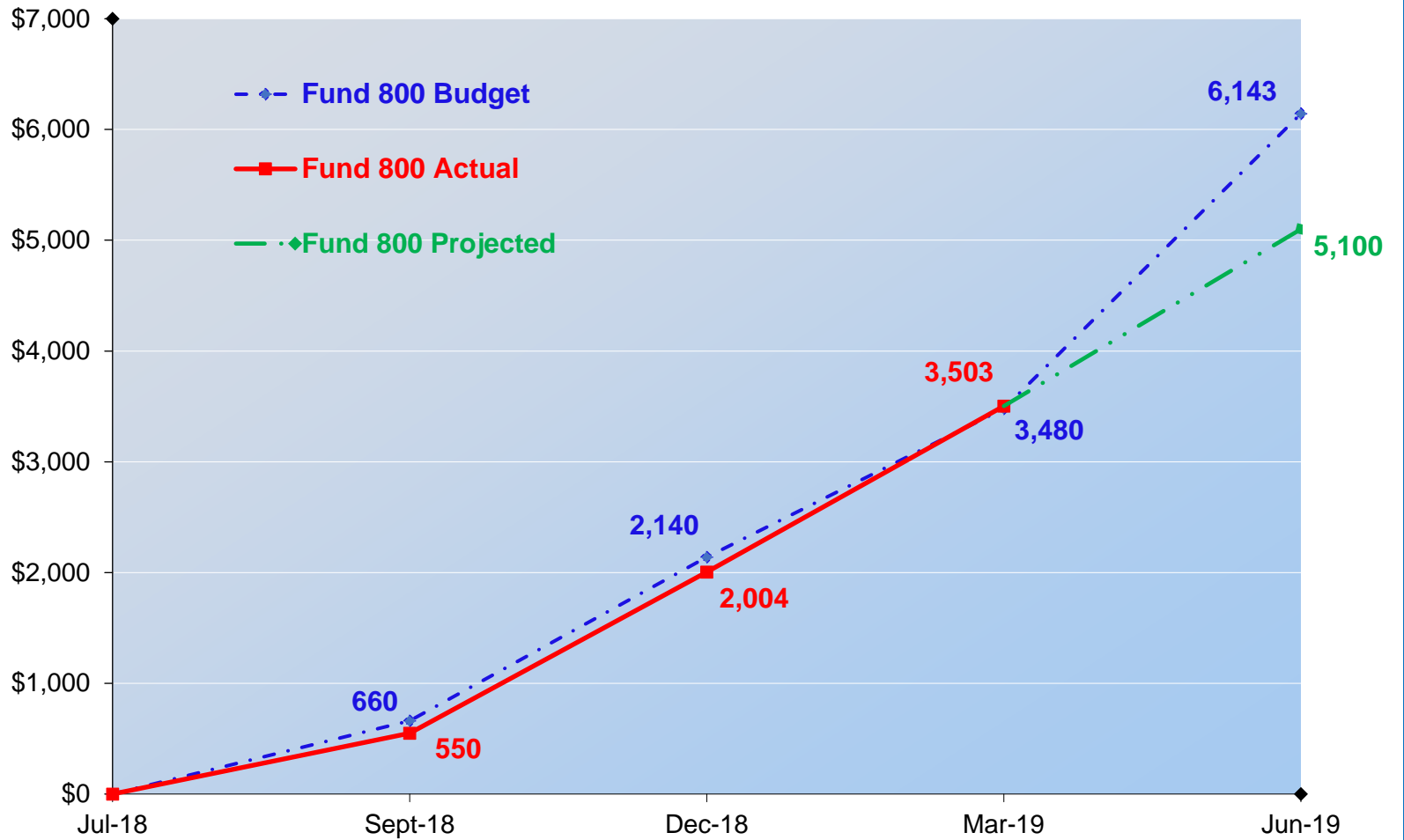
9. Wet Weather Flow Management

Also, there are eighteen (18) other smaller projects that will be either in design or in construction during FY19.

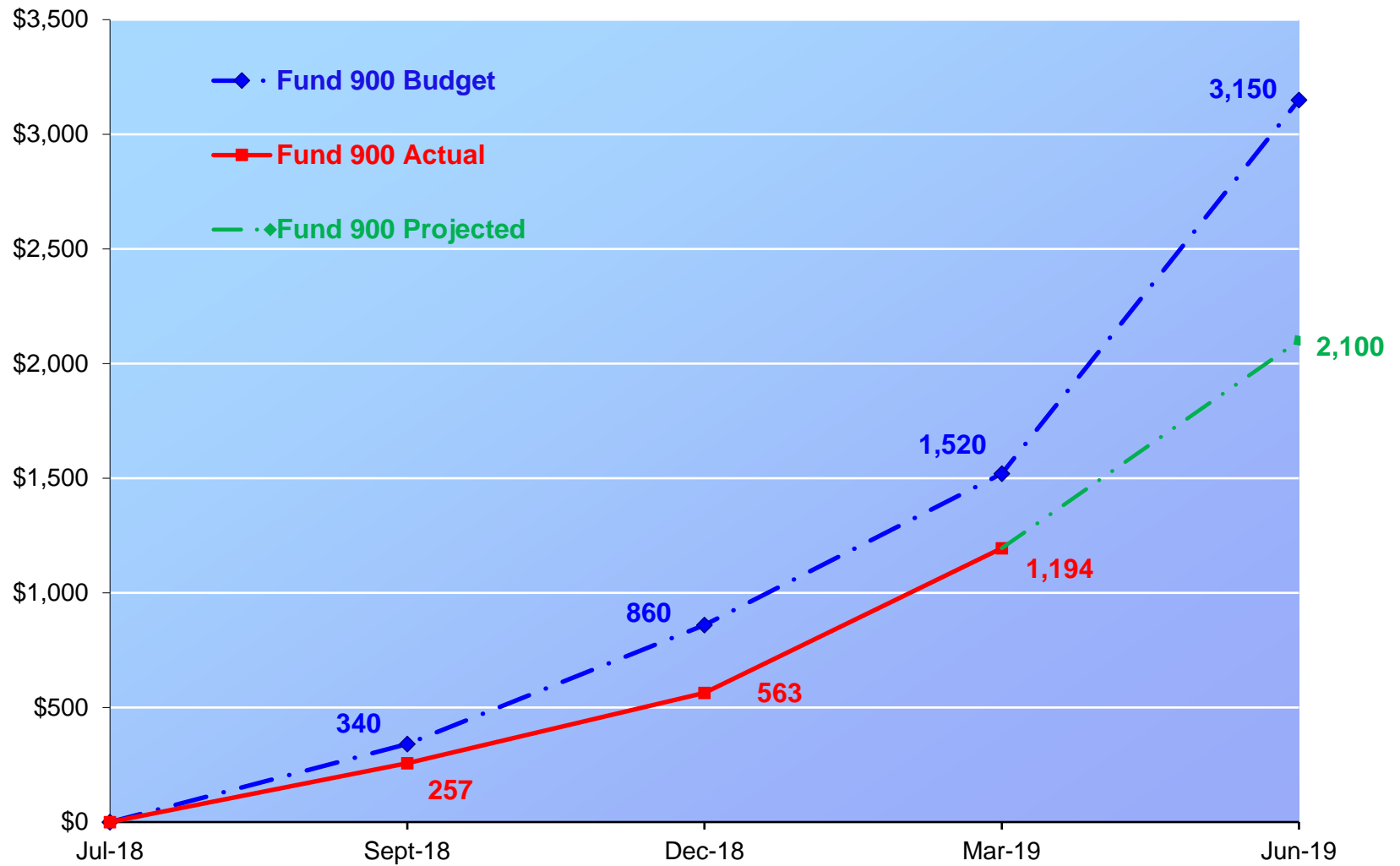
PRE/SEG;dl

Attachment: Budget Graphs

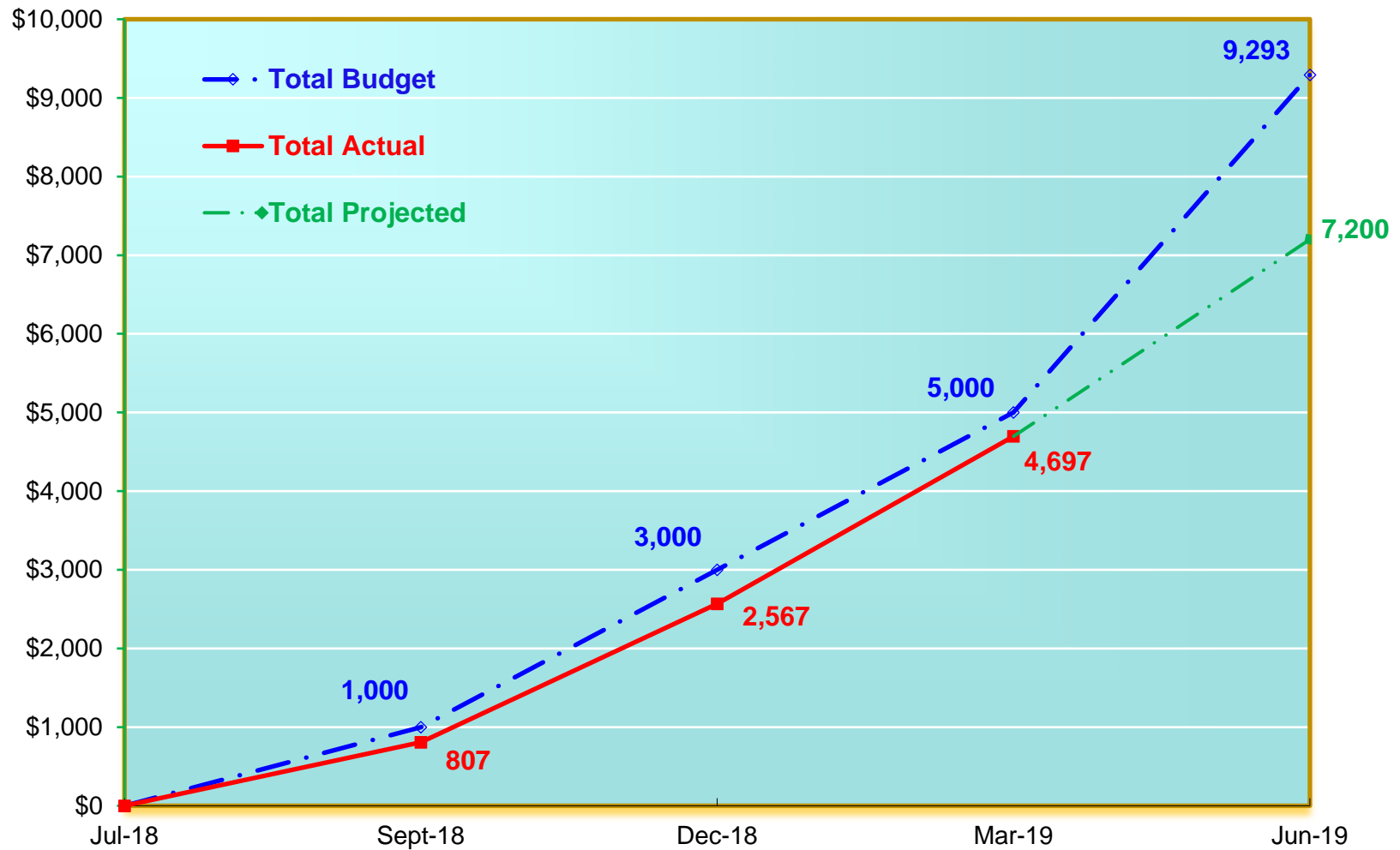
Structural R&R



Capacity



Total Cumulative





Summary of the EBDA Commission Meeting

Thursday, April 18, 2019, at 9:30 a.m.

Prepared by: P. Eldredge

- Commissioners Mendall, Cutter, Handley, Walters, and Johnson were present.
- The Consent Calendar was approved unanimously and included the Commission Meeting Minutes, List of Disbursements, and Treasurer's Report.
- The Commission unanimously approved the reports from the Managers Advisory, Financial Management, Regulatory Affairs, Operations & Maintenance, and Personnel committees. The following items were discussed:
- **General Managers Report** - The General Manager reminded everyone that EBDA was holding a Special Meeting following the Commission. The meeting is a tour of the EBDA facilities for the member agency Boards/Councils.
- **Manager's Advisory Committee** discussed the board package, received a status report on the Asset Management Plan Update, and reviewed the liquefaction study. The MAC also discussed JPA next steps.
- **Report from the Ad Hoc Committee** - The Ad Hoc discussed the status of the JPA Term Sheet and JPA next steps. Individual agencies are in the process of reviewing the term sheet and Commissioners are receiving direction from their Boards/Councils that should enable the Commission to take action on this item at the May 16 meeting.

CV San asked for clarification on flow capacity changes. If an agency increases its flow, as provided for in the term sheet, would it also be given the opportunity to decrease flows? The MAC and Ad Hoc were open to the concept that an agency could be allowed to return to its original JPA flow capacity. The capacity floor would be defined as the flow capacities written in the JPA.

- **Financial Management Committee** met with the General Manager on April 18, 2019. The Committee reviewed the List of Disbursements, Treasurer's Report, and a draft Audit Policy. The Committee discussed the impacts of implementing new budget allocations at various periods during FY2019/20, closing out the current JPA, and prefunding liabilities.

The Commission directed staff to use the current JPA allocations for the FY2019/20 Budget as agreed to in the JPA Term Sheet. The Commission discussed closing out the RRF and prefunding pension and OPEB liabilities. There is consensus among the Commissioners that paying down the Authority's liabilities is prudent. However, the approach to achieve the target funding ratios is a matter of discussion. In addition, the issue of whether or not to liquidate the unallocated funds in the RRF at the close of the current JPA remains unresolved. The MAC was directed to work out

a compromise on the issues of closing out the RRF and prefunding the pension and OPEB liabilities.

- **Regulatory Affairs Committee** met with the General Manager on April 16, 2019. The Committee was updated on the status of the Nutrients Watershed Permit renewal and related grant awards. Commissioner Mendall advised that the Hayward Shoreline Planning Agency is going through a master planning process and EIR and welcomed member agencies to attend upcoming meetings.
- **Operations and Maintenance (O&M) Committee** – The Operations and Maintenance Manager met with the O&M Committee on April 15, 2019. The O&M Manager provided an update on the HEPS MCC Replacement project and the Asset Management Plan Update. The Committee also discussed the SBS Building Sump Pump replacement at the MDF and the Disaster Cost Recovery Plan.
- **Personnel Committee** – At the April 17, 2019, Personnel Committee Meeting, the basis for cost of living adjustments (COLA) for staff was reviewed. The Committee supports the use of the CPI-U of 4.5% for the COLA in the FY 2019/20 budget. For future budgets, staff was directed to present member agency salary adjustments along with the CPI-U for Committee consideration in setting the COLA.

The April 17, 2019, Personnel Committee Meeting Agenda incorrectly reflected the minimum COLA for USD as 3.5%. USD's recently negotiated MOU sets the COLA equal to CPI-U but with a minimum of 3.25% and a maximum of 4.5%. These were the percentages that should have been reflected in the Personnel Committee Meeting Agenda.

- **Resolution Approving Revisions to the Authority's Other Post-Employment Benefits (OPEB) Policy**
The Financial Management Committee recommended approval of revisions to the OPEB Policy. The changes included removing procedural elements and focus on a target funding ratio for the OPEB trust.

Commissioner Mendall moved to approve the resolution approving revisions to the Authority's OPEB Policy. The motion was seconded by Commissioner Cutter, and approved unanimously, 5-0.

Ayes: Commissioners Mendall, Cutter, Walters, Johnson, and Chair Handley

Noes: None

Absent: None

Abstain: None

- **Items from the Commission and Staff**
None.

**UNION SANITARY DISTRICT
CHECK REGISTER
04/13/2019-05/03/2019**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
170952	4/25/2019		3148	EAST BAY DISCHARGERS AUTHORITY	O&M ASSESSMENT, APR-JUN 2019	\$338,406.58	\$338,406.58
170940	4/25/2019	143	11339977	BROWN & CALDWELL CONSULTANTS	PRIMARY DIGESTER NO. 7	\$259,167.12	\$259,167.12
170864	4/18/2019	143	11339675	BROWN & CALDWELL CONSULTANTS	STANDBY POWER SYSTEM UPGRADE	\$181,746.98	\$202,241.86
	4/18/2019	143	11339645		EMERGENCY OUTFALL OUTLET IMPROVEMENTS	\$597.68	
	4/18/2019	143	11339653		EMERGENCY OUTFALL OUTLET IMPROVEMENTS	\$19,897.20	
170963	4/25/2019	143	201180008	HAZEN AND SAWYER	SECONDARY TREATMENT CAP. IMPROV - DESIGN	\$85,872.98	\$85,872.98
170926	4/18/2019	143	161113	WOODARD & CURRAN INC	HEADWORKS SCREEN NO. 3	\$15,116.38	\$78,424.89
	4/18/2019	143	161189		NEWARK BASIN MASTER PLAN/PACP UPDATE	\$37,229.36	
	4/18/2019	143	161126		CONTROL BOX NO. 1 IMPROVEMENTS	\$26,079.15	
170851	4/18/2019	143	2000192708	AECOM TECHNICAL SERVICES INC	CENTRIFUGE BUILDING IMPROVEMENTS	\$68,477.82	\$68,477.82
170995	4/25/2019	110	30105176	SYNAGRO WEST LLC	MARCH 2019 BIOSOLIDS DISPOSAL	\$63,932.15	\$63,932.15
170902	4/18/2019	170	666720190408	PACIFIC GAS AND ELECTRIC	SERV TO 04/01/19 PASEO PADRE PS	\$349.55	\$39,566.00
	4/18/2019	170	096020190402		SERV TO 04/01/19 CATHODIC PROJECT	\$33.88	
	4/18/2019	170	380420190402		SERV TO 04/01/19 CHERRY ST PS	\$228.31	
	4/18/2019	110	892820190408		SERV TO 04/01/19 HAYWARD MARSH	\$56.10	
	4/18/2019	170	898220190408		SERV TO 04/01/19 FREMONT PS	\$196.36	
	4/18/2019	110	170120190402		SERV TO 03/21/2019 PLANT	\$38,701.80	
170900	4/18/2019	173	6123	OJO TECHNOLOGY INC	SECURITY ACCESS CONTROL AND CCTV SUPPORT	\$37,728.00	\$37,728.00

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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
170910	4/18/2019	143	26950	RMC WATER AND ENVIRONMENT	USD PLANT MASTER PLAN	\$324.80	\$37,561.43
	4/18/2019	143	26958		USD PLANT MASTER PLAN	\$13,161.00	
	4/18/2019	143	26948		USD PLANT MASTER PLAN	\$24,075.63	
170994	4/25/2019	173	2454	SDI PRESENCE LLC	IT MASTER PLAN PROJECT FOR FY19	\$8,312.50	\$33,402.15
	4/25/2019	173	2320		IT MASTER PLAN PROJECT FOR FY19	\$25,089.65	
170945	4/25/2019	143	175891	CAROLLO ENGINEERS	WAS THICKENERS	\$2,876.83	\$31,032.27
	4/25/2019	143	175890		PRIMARY DIGESTER NO. 2 REHABILITATION	\$28,155.44	
171056	5/2/2019	121	43137	WECO INDUSTRIES LLC	240 GALS SANAFOAM VAPOROOTER II	\$16,891.73	\$26,076.24
	5/2/2019	134	43134		CAMERA PARTS	\$689.84	
	5/2/2019	121	43135		CAMERA PARTS	\$48.81	
	5/2/2019	121	43138		120 GALS SANAFOAM VAPOROOTER II	\$8,445.86	
171025	5/2/2019	170	903962741	EVOQUA WATER TECHNOLOGIES	DI WATER SYSTEM	\$421.24	\$22,990.44
	5/2/2019	110	903967996		4580 GALS HYDROGEN PEROXIDE	\$22,569.20	
171018	5/2/2019	143	176224	CAROLLO ENGINEERS	PRIMARY DIGESTER NO. 7	\$18,904.27	\$18,904.27
170977	4/25/2019	130	16	MUSGRAVES CONSULTING SERVICES	SPECIALTY FINANCIAL SERVICES CONSULTANT	\$17,190.32	\$17,190.32
171054	5/2/2019	110	935206	UNIVAR USA INC	4601.6 GALS SODIUM HYPOCHLORITE	\$3,302.37	\$15,440.46
	5/2/2019	110	934947		4797.4 GALS SODIUM HYPOCHLORITE	\$3,442.88	
	5/2/2019	111	935251		5800 GALS HYDRCHOLORIC ACID 31%	\$5,144.61	
	5/2/2019	110	934553		4947.5 GALS SODIUM HYPOCHLORITE	\$3,550.60	

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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
170920	4/18/2019		533620190322	US BANK CORP PAYMENT SYSTEM	MONTHLY CAL-CARD STMT - MARCH 2019	\$11,799.12	\$11,799.12
171032	5/2/2019	170	3N3616	HARRINGTON INDUSTRIAL PLASTICS	ASTD PVC PIPE & FITTINGS	\$207.55	\$11,784.99
	5/2/2019	170	3N3752		500 FT OF TUBING FOR THE HYPO LOOP	\$6,396.86	
	5/2/2019	170	3N3615		4 COVERS	\$412.97	
	5/2/2019		3N3754		80 FT 1/2 PVC PIPE	\$25.46	
	5/2/2019	110	3N3755		3 VALVE NEEDLE GLOBE	\$163.26	
	5/2/2019	170	3N3756		ASTD PVC PIPE & FITTINGS	\$364.49	
	5/2/2019	170	3N3753		500 FT OF TUBING FOR THE HYPO LOOP	\$4,214.40	
170921	4/18/2019	170	44293	VALLEY OIL COMPANY	BULK OIL	\$10,898.18	\$10,898.18
171002	4/25/2019	110	933234	UNIVAR USA INC	4999.7 GALS SODIUM HYPOCHLORITE	\$3,588.06	\$10,707.13
	4/25/2019	110	933291		4911.7 GALS SODIUM HYPOCHLORITE	\$3,524.91	
	4/25/2019	110	934142		5008.2 GALS SODIUM HYPOCHLORITE	\$3,594.16	
170943	4/25/2019	110	35032	CALIFORNIA WATER TECHNOLOGIES	42,000 LBS FERROUS CHLORIDE	\$5,335.14	\$10,634.30
	4/25/2019	110	35057		40,518 LBS FERROUS CHLORIDE	\$5,299.16	
171016	5/2/2019	110	35107	CALIFORNIA WATER TECHNOLOGIES	41,060 LBS FERROUS CHLORIDE	\$5,107.73	\$10,186.54
	5/2/2019	110	35076		40,220 LBS FERROUS CHLORIDE	\$5,078.81	

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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
170922	4/18/2019		9423	VD FREMONT CENTRAL LLC	REFUND # 21917	\$2,500.00	\$9,900.00
	4/18/2019		8061		REFUND # 21902	\$1,400.00	
	4/18/2019		9345		REFUND # 21919	\$2,500.00	
	4/18/2019		7806		REFUND # 21922	\$1,400.00	
	4/18/2019		8307		REFUND # 21918	\$2,100.00	
171022	5/2/2019	113	1416178	DEPARTMENT OF GENERAL SERVICES	SERV: MAR 2019 PLANT	\$8,767.86	\$8,767.86
170941	4/25/2019		238867	BURKE, WILLIAMS & SORENSON LLP	CIP - FEBRUARY 2019	\$3,701.88	\$7,648.68
	4/25/2019		238868		GENERAL LEGAL - FEBRUARY 2019	\$3,946.80	
171039	5/2/2019	120	43063	LMK TECHNOLOGIES LLC	10 EA LMK TRAILER PIPE KITS	\$7,379.65	\$7,379.65
171035	5/2/2019	173	20723072	INFOR PUBLIC SECTOR, INC	SCADA-HANSEN INTERFACE SERVICES	\$7,285.00	\$7,285.00
170907	4/18/2019	134	117689	R-2 ENGINEERING INC	1 ROTOR	\$7,062.76	\$7,062.76
171046	5/2/2019	134	117693	R-2 ENGINEERING INC	1 ROTOR C72GH1	\$7,051.62	\$7,051.62
170919	4/18/2019	110	932973	UNIVAR USA INC	4798.3 GALS SODIUM HYPOCHLORITE	\$3,443.53	\$6,995.57
	4/18/2019	110	932564		4949.5 GALS SODIUM HYPOCHLORITE	\$3,552.04	
170930	4/25/2019	170	190302464	AIRTECH MECHANICAL INC	MAR 2019: FILTER CHANGE BLDGS 54, 63, 81, 90	\$915.00	\$6,833.76
	4/25/2019	121	190302463		SERVICE CALL: BLDG 70 WATER LEAK	\$5,918.76	
170942	4/25/2019	141	1672	CALIFORNIA INDUSTRIAL HYGIENE	INDUSTRIAL HYGIENE CONSULTATION SERVICES	\$6,080.00	\$6,080.00
170928	4/25/2019	170	55837	ABC FIRE PROTECTION INC	17 RECONDITIONED HALON EXTINGUISHERS	\$6,058.20	\$6,058.20
170964	4/25/2019	132	22534	IEDA INC	LABOR RELATIONS CONSULTING 4/01/19 - 6/30/2019	\$6,057.00	\$6,057.00

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170953	4/25/2019		5985	ENERGY CHOICE INC	4 OIL FILTER	\$2,743.78	\$6,008.58
	4/25/2019		5983		OIL FILTERS/AIR FILTERS/EALING RINGS/GASKETS/O-RINGS	\$3,264.80	
171055	5/2/2019	111	967193	VALLEY OIL COMPANY	2,000 GALS CARB DYED ULS DIESEL	\$5,970.40	\$5,970.40
170982	4/25/2019	110	1339639	POLYDYNE INC	41,640 LBS CLARIFLOC WE-539	\$5,675.93	\$5,675.93
171036	5/2/2019	170	610926	KAMAN INDUSTRIAL TECHNOLOGIES	FMC SHOP SKF PULLERS ORDER #2	\$5,319.28	\$5,319.28
170870	4/18/2019	110	35010	CALIFORNIA WATER TECHNOLOGIES	42,800 LBS FERROUS CHLORIDE	\$5,275.91	\$5,275.91
170855	4/18/2019	170	5199397	ALL INDUSTRIAL ELECTRIC SUPPLY	CREDIT INVOICE 5197297 - ASTD PARTS & MATERIALS	\$-166.29	\$5,164.98
	4/18/2019	170	5203955		ASTD PARTS & MATERIALS	\$135.46	
	4/18/2019	170	5204211		ASTD PARTS & MATERIALS	\$355.10	
	4/18/2019	170	5204375		GENERATOR 8 DAY TANK CONTROLLER	\$2,854.96	
	4/18/2019	170	5204567		ASTD PARTS & MATERIALS	\$410.92	
	4/18/2019	170	5204058		1 THICKENER GRINDER MOTOR	\$999.50	
	4/18/2019	111	5204065		1 MILWAUKEE M12 M-SPECTOR	\$575.33	
170858	4/18/2019	143	667874	A-PRO PEST CONTROL INC	REPAIR BIRD NETTING AT SOLAR CAR PORT	\$5,150.94	\$5,150.94
170968	4/25/2019		9648	DARARITH KIM	REFUND # 21936	\$4,762.09	\$4,762.09
170881	4/18/2019	132	258077	EXAMINETICS	2019 HEARING AND RESPIRATOR TESTS	\$3,910.00	\$3,910.00
170872	4/18/2019	173	RQC6621	CDW GOVERNMENT LLC	ADOBE MISAC RENEWAL	\$3,900.00	\$3,900.00
171053	5/2/2019	130	504978.1	TRACKER, A DIV OF C2, LLC	PORTFOLIO ACCOUNTING & REPORTING ANNUAL	\$3,900.00	\$3,900.00

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170879	4/18/2019	113	1157589	ENTHALPY ANALYTICAL LLC	68 LAB SAMPLE ANALYSIS	\$2,880.00	\$3,860.00
	4/18/2019	113	1157531		3 LAB SAMPLE ANALYSIS	\$100.00	
	4/18/2019	113	1157158		88 LAB SAMPLE ANALYSIS	\$880.00	
170886	4/18/2019		9501	HOI'S CONSTRUCTION INC	REFUND # 21915	\$3,300.00	\$3,300.00
171028	5/2/2019		9539	FREMONT UNIFIED SCHOOL DISTRCT	REFUND # 21957	\$3,300.00	\$3,300.00
171017	5/2/2019		19992957	CANON SOLUTIONS AMERICA INC	LEASE 6 CANON COLOR COPIERS	\$3,154.15	\$3,154.15
170944	4/25/2019	132	119902	CAREERS IN GOVERNMENT INC	ANNUAL MEMBERSHIP	\$3,100.00	\$3,100.00
170898	4/18/2019	170	24057630	MOTION INDUSTRIES INC	3 EA ELEMENTS	\$425.66	\$3,014.70
	4/18/2019	170	24057492		ASTD SHEAVES & BUSHINGS	\$236.46	
	4/18/2019	170	24057302		1 SHEAVE	\$93.15	
	4/18/2019	170	24057313		ATD PARTS & MATERIALS	\$1,235.63	
	4/18/2019	170	24057480		4 BUSHINGS	\$116.44	
	4/18/2019	170	24057665		2 EA BALL BEARINGS	\$907.36	
170981	4/25/2019	173	4772	PIPELOGIX INC	ANNUAL SOFTWARE SUPPORT	\$3,000.00	\$3,000.00
170978	4/25/2019	120	20190424	SHAWN NESGIS	EXP REIMB: CLASS A HAZ MAT ENDORSEMENT	\$86.50	\$2,868.71
	4/25/2019	120	20190422		EXP REIMB: CWEA CONF & BOARD MTG - REGIS/AIRFARE/LODGING/PE	\$2,782.21	

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171024	5/2/2019	113	1160118	ENTHALPY ANALYTICAL LLC	13 LAB SAMPLE ANALYSIS	\$315.00	\$2,765.00
	5/2/2019	113	1160119		20 LAB SAMPLE ANALYSIS	\$700.00	
	5/2/2019	113	1160117		10 LAB SAMPLE ANALYSIS	\$195.00	
	5/2/2019	113	1160024		39 LAB SAMPLE ANALYSIS	\$1,555.00	
170913	4/18/2019	110	19032904	S&S TRUCKING	GRIT HAULING 03/21/2019	\$799.26	\$2,621.03
	4/18/2019	110	19032605		GRIT HAULING 03/05 & 03/18/2019	\$1,821.77	
170988	4/25/2019	120	916003796547	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - APR 2019	\$2,611.87	\$2,611.87
170958	4/25/2019	173	20190422	MICHAEL GILL	EXP REIMB: TRAINING REGIS FEE VMWARE	\$2,550.00	\$2,550.00
171006	4/25/2019	170	2244	WELCOME BUILDING MAINTENANCE	SOLAR PANEL CLEANING 2019	\$2,520.00	\$2,520.00
170979	4/25/2019	170	013720190411	PACIFIC GAS AND ELECTRIC	SERV TO 04/04/19 BOYCE RD PS	\$2,510.35	\$2,510.35
170974	4/25/2019		92783490	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$741.75	\$2,501.21
	4/25/2019	170	92626436		1 PACK DOWEL PINS	\$21.61	
	4/25/2019	170	92188325		3 VIBRATION-RESISTANT PRESSURE GAUGES	\$109.62	
	4/25/2019	122	92188326		20 ASTD JOBBER'S DRILL BITS	\$68.10	
	4/25/2019		92203276		ASTD PARTS & MATERIALS	\$912.94	
	4/25/2019	170	92474824		ASTD PARTS & MATERIALS	\$37.26	
	4/25/2019	170	92850438		ASTD PARTS & MATERIALS	\$609.93	
171045	5/2/2019	136	105365	PFM ASSET MANAGEMENT LLC	INVESTMENT MANAGEMENT / ADVISORY SERVICES	\$2,453.18	\$2,453.18

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170950	4/25/2019	122	43246	DEL CONTE'S LANDSCAPING INC	LANDSCAPE MAINTENANCE SERVICES - APRIL 2019	\$1,440.00	\$2,434.00
	4/25/2019	170	43310		WEED ABATEMENT WORK APRIL 2019	\$994.00	
170852	4/18/2019	170	190302450	AIRTECH MECHANICAL INC	LOCKER ROOM FAN BUILDING 70	\$2,390.93	\$2,390.93
170991	4/25/2019	110	19040506	S&S TRUCKING	GRIT HAULING 03/14, 03/25, 03/11/2019	\$2,387.95	\$2,387.95
171029	5/2/2019	173	190455	GEOSPAGO INC	CUSTOMER SERVICE GIS NEEDS ASSESSMENT	\$2,250.00	\$2,250.00
171005	4/25/2019	122	525331	WATTCO EQUIPMENT INC	1 LED TRAFFIC ADVISOR	\$2,129.15	\$2,129.15
170892	4/18/2019	132	20190412	KATHLEEN KING	EXP REIMB: NEO GOV CONF REGIS KING & BOUCHER, AIRFARE & LODI	\$2,107.96	\$2,107.96
171042	5/2/2019		93115953	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$493.60	\$2,019.85
	5/2/2019		93422304		ASTD PARTS & MATERIALS	\$286.60	
	5/2/2019	170	93490144		ASTD PARTS & MATERIALS	\$863.41	
	5/2/2019	170	93102359		1 HIGH-TEMPERATURE PLASTIC BATCH CAN	\$178.85	
	5/2/2019	110	91819247		1 CHANGEABLE-TIP FLEXIBLE-SHAFT PICK SET	\$174.35	
	5/2/2019	170	93076382		1 PACK DOWEL PINS	\$23.04	
170949	4/25/2019	173	79329035	COLORADO WASHINGTON INC COMCAST OF	FIBER INTERNET BACKUP - APRIL 2019	\$2,004.87	\$2,004.87
171011	5/2/2019		12874104	AT&T	SERV: 03/10/19 - 04/09/19	\$1,998.86	\$1,998.86
170933	4/25/2019	121	12064	AMERICAN DISCOUNT SECURITY	03/01/19 - 03/29/19 GUARD AT DISTRICT GATE	\$1,638.00	\$1,638.00

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171030	5/2/2019	110	9127470830	GRAINGER INC	3 POLY FIBER DUSTERS	\$38.02	\$1,603.78
	5/2/2019		9127991850		4 QUICK CHANGE DISCS	\$39.82	
	5/2/2019	122	9130492904		2 PACKS SANDING DISCS	\$139.99	
	5/2/2019	170	9130289441		1 PLEATED FILTER	\$34.75	
	5/2/2019		9128381515		36 QUICK CHANGE DISCS	\$358.35	
	5/2/2019	122	9128684298		ASTD SANDING DISCS	\$81.52	
	5/2/2019	122	9129320181		1 OCCUPANCY SENSOR	\$21.14	
	5/2/2019		9126035782		ASTD PARTS & MATERIALS	\$275.61	
	5/2/2019		9127989458		ASTD PARTS & MATERIALS	\$236.74	
	5/2/2019	170	9128706331		4 LOCK BOXES	\$135.31	
	5/2/2019	170	9129289675		6 LED LAMPS	\$40.04	
	5/2/2019	170	9128824399		2 V-BELTS	\$101.77	
	5/2/2019	111	9127991843		1 EXTENSION CORD	\$16.05	
	5/2/2019	122	9129225083		ASTD PARTS & MATERIALS	\$84.67	

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170883	4/18/2019	122	9115918444	GRAINGER INC	1 HALF MASK RESPIRATOR	\$37.02	\$1,601.73
	4/18/2019		9111845716		ASTD PARTS & MATERIALS	\$889.78	
	4/18/2019	170	9114580690		2 RING TERMINALS	\$42.25	
	4/18/2019	170	9114580708		2 RING TERMINALS	\$78.79	
	4/18/2019	122	9112994208		1 ENCLOSED BULLETIN BOARD	\$523.59	
	4/18/2019	111	9115711583		6 DUST PLUGS	\$30.30	
170885	4/18/2019		3N3357	HARRINGTON INDUSTRIAL PLASTICS	ASTD PVC FITTINGS	\$230.82	\$1,568.04
	4/18/2019	170	3N3358		ASTD PVC CONNECTORS	\$1,337.22	
170875	4/18/2019	134	323104	DALE HARDWARE INC	42 PURDY ROLLERS	\$202.16	\$1,528.17
	4/18/2019		20190325		03/19 - ASTD PARTS & MATERIALS	\$1,326.01	
170965	4/25/2019	173	201855042	IRON MOUNTAIN	DATA/MEDIA OFF-SITE STORAGE MAR 2019	\$307.15	\$1,477.48
	4/25/2019	141	ANGW995		OFF-SITE STORAGE AND SERVICES MAR 2019	\$365.52	
	4/25/2019	141	ANLT180		OFF-SITE STORAGE AND SERVICES MAR 2019	\$804.81	
170876	4/18/2019	144	20190415	DOUGLAS DATTAWALKER	TRAVEL REIMB: CWEA CONF LODGING/PER DIEM/MILEAGE	\$1,415.52	\$1,415.52
170903	4/18/2019	144	20190417	VICTOR PADILLA	EXP REIMB: LODGING, PER DIEM, AIRFARE - CWEA CONFERENCE	\$1,412.95	\$1,412.95
170976	4/25/2019	171	187284	MOBILE MODULAR MANAGEMENT CORP	FMC TRAILER RENTAL - APR 2019	\$1,245.43	\$1,245.43
170971	4/25/2019	173	17955	LOOKINGPOINT INC	ANNUAL PHONE AND NETWORK SUPPORT - APR 2019	\$1,225.00	\$1,225.00
170860	4/18/2019	143	31966	BEECHER ENGINEERING	ALVARADO INFLUENT PS PUMPS AND VFDS	\$1,200.00	\$1,200.00

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170961	4/25/2019	111	3N3403	HARRINGTON INDUSTRIAL PLASTICS	3 FLOW METERS	\$1,029.31	\$1,168.14
	4/25/2019	134	3N3492		ASTD PVC FITTINGS	\$138.83	
170893	4/18/2019	144	20190417	MICHAEL LOTHIAN	EXP REIMB: CWEA CONF - AIRFARE/LODGING/TAXI/PER DIEM	\$1,136.97	\$1,136.97
170993	4/25/2019	134	1905721001	SAN LEANDRO ELECTRIC SUPPLY	ASTD ELECTRIAL SUPPLIES	\$40.29	\$1,128.35
	4/25/2019	134	1905677001		ASTD ELECTRIAL SUPPLIES	\$868.69	
	4/25/2019	134	1901160002		ASTD ELECTRICAL SUPPLIES	\$113.23	
	4/25/2019	134	1905677002		ASTD ELECTRIAL SUPPLIES	\$106.14	
170959	4/25/2019	170	9121708672	GRAINGER INC	2 HID BALLAST KITS	\$179.78	\$1,126.42
	4/25/2019	170	9127991868		CREDIT FOR 2 HID BALLAST KITS INV 9121708672	\$-179.78	
	4/25/2019	170	9121724588		1 NFPA SIGN	\$95.51	
	4/25/2019		9120200614		ASTD PARTS & MATERIALS	\$959.61	
	4/25/2019		9119807684		1 Y STRAINER	\$71.30	
170863	4/18/2019	121	931396	BRENNTAG PACIFIC INC	3846 LBS SODIUM HYDROXIDE	\$1,094.66	\$1,094.66
170868	4/18/2019	113	20190415	MARY GRACE CALANOG	TRAVEL REIMB: CWEA CONF LODGING/PER DIEM/TOLL/PARKING	\$1,088.89	\$1,088.89
171001	4/25/2019	150	338	UNION CITY CHAMBER OF COMMERCE	MEMBERSHIP RENEWAL MAR 2019 - MAR 2020	\$1,080.00	\$1,080.00
170909	4/18/2019	170	372325	RKI INSTRUMENTS INC	ASTD PARTS & MATERIALS	\$1,068.83	\$1,068.83
170874	4/18/2019	170	20190328	COMMUNICATION & CONTROL INC	UTILITY FEE/ANTENNA RENTAL	\$1,052.73	\$1,052.73
170891	4/18/2019	113	12024200	KELLY SERVICES INC	TEMP LABOR-THACH, P. WK END 03/24/2019	\$1,036.20	\$1,036.20
170967	4/25/2019	113	13020400	KELLY SERVICES INC	TEMP LABOR-THACH, P. WK END 03/31/2019	\$1,036.20	\$1,036.20

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171037	5/2/2019	113	14027775	KELLY SERVICES INC	TEMP LABOR-THACH, P. WK END 04/07/2019	\$1,036.20	\$1,036.20
170896	4/18/2019	170	91644760	MCMASTER SUPPLY INC	1 SOCKET-MOUNT MOTOR VOLTAGE MONITOR	\$137.84	\$1,035.56
	4/18/2019		91682852		ASTD PARTS & MATERIALS	\$881.57	
	4/18/2019	122	91804036		1 VIBRATION-DAMPING LOOP CLAMP	\$16.15	
170983	4/25/2019	141	20190423	MICHELLE POWELL	EXP REIMB: LODGING, PER DIEM, MILEAGE - CAPIO CONF 2019	\$996.07	\$996.07
170938	4/25/2019	130	13433630	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$19.81	\$979.37
	4/25/2019	130	13418400		ASTD OFFICE SUPPLIES	\$48.13	
	4/25/2019	170	13406670		ASTD OFFICE SUPPLIES	\$13.21	
	4/25/2019	121	13418490		1 SIT/STAND WORKSTATION	\$592.64	
	4/25/2019	121	13418491		SIT/STAND STATION FOR KEVIN COFFEE	\$74.63	
	4/25/2019	143	13426480		6 COMPOSITION BOOKS	\$7.81	
	4/25/2019	130	13403770		ASTD OFFICE SUPPLIES	\$37.94	
	4/25/2019	143	13419590		1 TONER	\$185.20	
170998	4/25/2019	132	20190423	KAROLINE TERRAZAS	EXP REIMB: LODGING, PER DIEM, SHUTTLE - CWEA CONF 2019	\$955.62	\$955.62
170878	4/18/2019	121	20190415	MANUEL DEL TORO	TRAVEL REIMB: CWEA CONF LODGING	\$921.74	\$921.74
170911	4/18/2019		20190416	JOSE RODRIGUES JR	EXP REIMB: LODGING, PARKING, CHECKED BAGS - CWEA CONF	\$903.82	\$903.82
170908	4/18/2019	120	09D0036018380	NESTLE WATERS NO. AMERICA READYREFR	WATER SERVICE 03/07/19 - 04/06/19	\$856.44	\$856.44
171023	5/2/2019		10207	E Z PLUMBING	REFUND # 21952	\$850.00	\$850.00

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170986	4/25/2019	170	1826410001	R&B COMPANY	ASTD PARTS & MATERIALS	\$274.38	\$843.99
	4/25/2019	170	1821805001		ASTD PARTS & MATERIALS	\$569.61	
170884	4/18/2019	123	1989029	HANSON AGGREGATES INC	10.02 TONS 1/2 STATE MEDIUM	\$829.21	\$829.21
170871	4/18/2019	136	4028788104	CANON SOLUTIONS AMERICA INC	MTHLY MAINTENANCE BASED ON USE	\$820.13	\$820.13
170888	4/18/2019	132	25604	ICE SAFETY SOLUTIONS INC	JANUARY 2019 CPR TRAINING	\$800.00	\$800.00
171049	5/2/2019		20190425	THERESA RODRIGUEZ	3RD QTR FY19 ALT COMP SPECIAL RECOGNITION	\$790.00	\$790.00
170929	4/25/2019	170	9961136240	AIRGAS NCN	CYLINDER RENTAL	\$782.72	\$782.72
170987	4/25/2019	111	820159350	RED WING BUS ADVANTAGE ACCT	SAFETY SHOES: J. BARTON	\$208.00	\$779.07
	4/25/2019	122	169165752		SAFETY SHOES: L. CARDENAS	\$187.64	
	4/25/2019	123	820159857		SAFETY SHOES: B. MEDEIROS	\$196.64	
	4/25/2019	121	820159440		SAFETY SHOES: J. POWELL	\$186.79	
171008	5/2/2019	113	9087351178	AIRGAS NCN	4 CYL ARGON	\$762.72	\$762.72
170956	4/25/2019	111	20190417	AUSTIN FARSAI	TRAVEL RIEMB: CWEA CONF LODGING/PER DIEM/MILEAGE/PARKING	\$732.29	\$732.29
170947	4/25/2019	121	54127753	CINTAS CORPORATION	2 ORANGE HOODIES	\$727.77	\$727.77
170857	4/18/2019		1102154873	AMERIPRIDE SERVICES INC	UNIFORM LAUNDERING & RUGS	\$244.24	\$710.42
	4/18/2019		1102154895		UNIFORM LAUNDERING SERVICE	\$466.18	
170970	4/25/2019	111	20190424	MARCUS LEE	EXP REIMB: CWEA CONF LODGING/TAXI/PER DIEM	\$705.19	\$705.19

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170904	4/18/2019	172	262551	PRESTIGE LENS LAB	SAFETY GLASSES - LU, YUNG	\$71.28	\$703.44
	4/18/2019	170	262500		SAFETY GLASSES - SIMONICH, R	\$325.95	
	4/18/2019	172	261532		SAFETY GLASSES - LU, YUNG	\$306.21	
170914	4/18/2019	173	822230	SAFARI BOOKS ONLINE LLC	SAFARI BOOKS ONLINE SUBSCRIPTION RENEWAL	\$698.00	\$698.00
171048	5/2/2019	170	114364	ROCHESTER MIDLAND CORPORATION	HOT WATER LOOP SERVICE	\$687.46	\$687.46
170865	4/18/2019	123	20190417	STEVE BULLIS	TRAVEL REIMB: CWEA CONFERENCE LODGING	\$683.82	\$683.82
170866	4/18/2019	121	20190415	STUART BULLIS	TRAVEL REIMB: CWEA CONFERENCE LODGING	\$683.82	\$683.82
170934	4/25/2019		1102158570	AMERIPRIDE SERVICES INC	UNIFORM LAUNDERING SERVICE	\$384.61	\$676.93
	4/25/2019	122	1102158585		ASTD DUST MOPS, WET MOPS & TERRY TOWEL	\$47.58	
	4/25/2019		1102158565		UNIFORM LAUNDERING & RUGS	\$244.74	
171031	5/2/2019	123	1996208	HANSON AGGREGATES INC	8.07 TONS 1/2 MED TYPE A AC-R	\$672.49	\$672.49
170882	4/18/2019		156861	FITGUARD INC	PREVENTATIVE MAINTENANCE - EXERCISE CLUB EQUIPMENT	\$650.35	\$650.35
171003	4/25/2019	111	20190423	KAHOU VONG	EXP REIMB: LODGING, PER DIEM - CWEA CONF	\$644.65	\$644.65
171019	5/2/2019	132	190514687	CLAREMONT BEHAVIORAL SERVICES	MAY 2019 EAP PREMIUMS	\$630.20	\$630.20
171004	4/25/2019	113	8085816746	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$373.30	\$602.28
	4/25/2019		8085804838		LAB SUPPLIES	\$102.73	
	4/25/2019	113	8085845142		LAB SUPPLIES	\$75.75	
	4/25/2019	113	8085821935		LAB SUPPLIES	\$50.50	
170975	4/25/2019	170	190454	METROMOBILE COMMUNICATIONS INC	METRO MOBILE ANNUAL RADIO SERVICE - APR 2019	\$599.08	\$599.08

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170935	4/25/2019	136	2522175172	BANK OF NEW YORK	JAN 2019 SERVICE FEES	\$598.34	\$598.34
171010	5/2/2019		1102161545	AMERIPRIDE SERVICES INC	UNIFORM LAUNDERING SERVICE	\$349.36	\$593.10
	5/2/2019		1102161532		UNIFORM LAUNDERING & RUGS	\$243.74	
171043	5/2/2019	171	24058444	MOTION INDUSTRIES INC	2 HAMMERVAC DUST EXTRACTION KITS	\$588.55	\$588.55
170917	4/18/2019		1153331840	TPX COMMUNICATIONS	WIRELESS INTERNET BACKUP - APRIL	\$536.37	\$536.37
170877	4/18/2019	121	43126	DEL CONTE'S LANDSCAPING INC	IRRIGATION REPAIRS	\$531.00	\$531.00
171052	5/2/2019	134	1907185002	SAN LEANDRO ELECTRIC SUPPLY	ASTD ELECTRICAL PARTS	\$82.76	\$515.59
	5/2/2019	134	1907185003		ASTD ELECTRICAL PARTS	\$432.83	
171033	5/2/2019		603389703	HILLYARD/SAN FRANCISCO	ASTD JANITORIAL SUPPLIES	\$399.61	\$500.04
	5/2/2019	122	603393335		2 CS HAND SOAP	\$100.43	
170905	4/18/2019		10113	PRO ROOTER	REFUND # 21925	\$500.00	\$500.00
170966	4/25/2019		10042	JGR CONSTRUCTION	REFUND # 21943	\$500.00	\$500.00
170972	4/25/2019		9386	LUSHOV CONSTRUCTION INC	REFUND # 21941	\$500.00	\$500.00
170996	4/25/2019		10164	STEVEN TANGENY	REFUND # 21942	\$500.00	\$500.00
170923	4/18/2019		9827192643	VERIZON WIRELESS	WIRELESS SERV 03/02/19-04/01/19 & (6) IPADS	\$496.70	\$496.70
170901	4/18/2019		8475930	OVIVO USA LLC	ASTD CLARIFIER PARTS	\$482.47	\$482.47
170897	4/18/2019	120	1027773	MISSION COMMUNICATIONS LLC	16 EA BATTERY REPLACEMENT - SEWER OVERFLOW MONITORING	\$465.00	\$465.00
170948	4/25/2019	150	74694	CITYLEAF INC	PLANT MAINTENANCE - APR 2019	\$431.86	\$431.86
170999	4/25/2019	122	3004513916	THYSSENKRUPP ELEVATOR CORP	PHONE MONITORING ELEVATOR APR 2019 - MAR 2020	\$421.22	\$421.22

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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
170916	4/18/2019	134	20316571	TELEDYNE ISCO INC	1 500' VINYL TUBING	\$417.05	\$417.05
171050	5/2/2019	136	20190417	JAMIE ROJO	PER DIEM ADVANCE - APA ANNUAL CONGRESS	\$393.00	\$393.00
171013	5/2/2019	141	13446900	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$55.73	\$389.05
	5/2/2019	120	13438630		ASTD OFFICE SUPPLIES	\$83.61	
	5/2/2019	170	13438050		1 COPY STAMP	\$8.11	
	5/2/2019	120	13463310		ASTD OFFICE SUPPLIES	\$58.63	
	5/2/2019	130	13418401		1 LABEL TAPE	\$28.52	
	5/2/2019	120	13459180		ASTD OFFICE SUPPLIES	\$84.82	
	5/2/2019	130	13441030		2 LABEL TAPE	\$33.77	
	5/2/2019	130	13462340		ASTD OFFICE SUPPLIES	\$35.86	
170873	4/18/2019	121	54125972	CINTAS CORPORATION	2 JACKETS	\$386.21	\$386.21
170955	4/25/2019	170	903954453	EVOQUA WATER TECHNOLOGIES	DI WATER SYSTEM	\$360.00	\$360.00
170997	4/25/2019	134	20318614	TELEDYNE ISCO INC	1 500' VINYL TUBING	\$359.98	\$359.98
170962	4/25/2019		31154	HAYWARD PIPE AND SUPPLY	ASTD PARTS & MATERIALS	\$312.42	\$323.90
	4/25/2019		3115401		ASTD PARTS & MATERIALS	\$11.48	
170984	4/25/2019		146832	PREFERRED ALLIANCE INC	MARCH 2019 SERVICE FEE	\$307.84	\$307.84
171040	5/2/2019		4634957	MALLORY SAFETY AND SUPPLY LLC	48 PR G-TEK GLOVES	\$172.09	\$304.53
	5/2/2019		4636909		36 PR G-TEK GLOVES	\$132.44	
170890	4/18/2019	113	20190416	DANIEL JACKSON	EXP REIMB: BART FARE AND PER DIEM FOR CWEA CONFERENCE	\$275.65	\$275.65

**UNION SANITARY DISTRICT
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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
170918	4/18/2019	143	10725	TURNER SAFETY	TRENCHING AND EXCAVATION TRAINING-S BOONSALAT	\$275.00	\$275.00
170895	4/18/2019	111	140827	MAZZEI INJECTOR	POLYPROPYLENE INJECTORS	\$270.00	\$270.00
170925	4/18/2019	110	20190409	WEF-WATER ENVIRONMENT FED	WEF MEMBERSHIP A LOPEZ	\$263.00	\$263.00
171015	5/2/2019		3439	CAL SAN RISK MNGT AUTH	CLAIM: EAN HOLDINGS LLC FILE #1987977	\$260.40	\$260.40
170990	4/25/2019	134	3438461001	S & S SUPPLIES & SOLUTIONS	2 DZ LEATHER GLOVES / 8 BX LATEX GLOVES	\$250.30	\$250.30
171057	5/2/2019	173	6026540	WEST SAFETY SERVICES INC	E911 CLOUD SERVICE	\$250.00	\$250.00
170936	4/25/2019	144	1187288	BAY AREA NEWS GROUP EAST BAY	AD: SIGNIFICANT VIOLATOR	\$246.87	\$246.87
170915	4/18/2019	134	92144671	SUBSITE ELECTRONICS	2 CABLE 3-PIN MALE TO 6-PIN FEMALE	\$245.48	\$245.48
170954	4/25/2019	120	90113372318	ENTERPRISE GOV 43-1514861	RENTAL: S. NESGIS, TAMPA, FL	\$245.00	\$245.00
171051	5/2/2019	170	85340220190422	SAN FRANCISCO WATER DEPT	SERVICE 03/21/2019 - 04/19/2019	\$239.73	\$239.73
170906	4/18/2019	170	1822173001	R&B COMPANY	ASTD PARTS & MATERIALS	\$118.27	\$237.41
	4/18/2019		1822173003		ASTD PARTS & MATERIALS	\$119.14	
170939	4/25/2019	132	20190411	GENE BOUCHER	TRAVEL REIMB: NEOGOV CONF AIRFARE & LODGING	\$224.87	\$224.87
170937	4/25/2019	136	22289500	BECK'S SHOES	SAFETY SHOES: R. LEBON	\$205.20	\$205.20
171044	5/2/2019	122	203227	NAYLOR STEEL INC	ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$24.39	\$198.23
	5/2/2019	170	203226		ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$173.84	
170859	4/18/2019		1574	BAY AREA BARRICADE SERVICE INC	4 MARKING PAINT	\$197.34	\$197.34
171009	5/2/2019	170	29585.0	ALLIED FLUID PRODUCTS CORP	ASTD PARTS & MATERIALS	\$120.91	\$195.21
	5/2/2019	170	29480		ASTD PARTS & MATERIALS	\$74.30	

**UNION SANITARY DISTRICT
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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
170869	4/18/2019		247353	CALIFORNIA DYNAMICS CO	4 ISOLATOR/RESTRAINTS	\$192.25	\$192.25
170856	4/18/2019		29308	ALLIED FLUID PRODUCTS CORP	30 GASKETS	\$184.97	\$184.97
170889	4/18/2019	113	3044999626	IDEXX DISTRIBUTION INC	IDEXX 120ML VESSELS WITH THIOSULFATE	\$174.00	\$174.00
170985	4/25/2019	122	19173	R & S ERECTION OF S ALAMEDA	SERVICE: ROLL UP DOOR REPAIRS	\$171.25	\$171.25
170850	4/18/2019	143	20766976	ABC IMAGING, INC	STANDBY POWER SYSTEM UPGRADE	\$153.68	\$153.68
171041	5/2/2019	113	1904283	MCCAMPBELL ANALYTICAL	LABORATORY SAMPLE ANALYSIS	\$150.00	\$150.00
171014	5/2/2019		321725	BUREAU VERITAS/ANALYSTS INC	10 AL 10 PAK CA MAILER	\$148.73	\$148.73
170880	4/18/2019		1000548244	ENVIRONMENTAL EXPRESS	1 GREEN CAP 500 PK	\$148.39	\$148.39
171020	5/2/2019	123	294159	CLARK'S HOME AND GARDEN INC	2.2 PG&E FILL SAND	\$144.87	\$144.87
170932	4/25/2019	170	5204675	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD PARTS & MATERIALS	\$133.38	\$133.38
170927	4/18/2019	113	1903173	ZALCO LABORATORIES INC	LAB ANALYSIS	\$125.00	\$125.00
171027	5/2/2019	123	22007	FREMONT RECYCLING & TRANSFER	1.24 CLEAN WOOD	\$124.31	\$124.31
171038	5/2/2019	132	2090501	KATHLEEN KING	EXP REIMB: PRESCRIPTION COMPUTER GLASSES	\$120.00	\$120.00
170887	4/18/2019	170	5841554	HOSE & FITTINGS ETC	3 EA SUPER O-LUBE	\$114.91	\$114.91

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170861	4/18/2019	130	13376990	BLAISDELL'S	1 MATTE TAPE CARTRIDGE	\$32.91	\$113.53
	4/18/2019	170	13386610		ASTD OFFICE SUPPLIES	\$31.73	
	4/18/2019	113	13365220		ASTD OFFICE SUPPLIES	\$93.96	
	4/18/2019	130	13393480		1 BX FASTENERS	\$13.71	
	4/18/2019	130	10140840		CREDIT INVOICE 1014084-0	\$-224.72	
	4/18/2019	130	13386350		1 BX FOLDERS	\$34.90	
	4/18/2019	141	13388690		ASTD OFFICE SUPPLIES	\$131.04	
171047	5/2/2019		100193	REMOTE SATELLITE SYSTEMS INT'L	IRIDIUM SVC FEE MAY 2019	\$112.00	\$112.00
171058	5/2/2019	122	2409516001	WHCI PLUMBING SUPPLY CO	ASTD PARTS & MATERIALS	\$107.04	\$107.04
170960	4/25/2019	113	20190424	TIMOTHY GRILLO	EXP REIMB: R&S TEAM RECOGNITION LUNCH	\$105.14	\$105.14
170969	4/25/2019	132	20190412.1	KATHLEEN KING	EXP REIMB: NEOGOV CONF - OCTG 2019 - LODGING DEPOSIT	\$100.91	\$100.91
170973	4/25/2019	170	77927972	MATHESON TRI-GAS INC	MONTHLY CYLINDER RENTAL - MARCH 2019	\$91.83	\$91.83
171026	5/2/2019	122	20190426	CHARLES FERNANDEZ	EXP REIMB: SAFETY SHOES	\$87.79	\$87.79
171021	5/2/2019	143	3239095	DAILY JOURNAL CORPORATION	AD: STANDBY POWER SYSTEM UPGRADE	\$22.50	\$86.46
	5/2/2019	143	3239094		AD: STANDBY POWER SYSTEM UPGRADE	\$63.96	
170894	4/18/2019	170	20190417	SCOTT MARTIN	EXP REIMB: MILEAGE FOR SITE VISITS - THICKENING TECHNOLOGIES	\$85.55	\$85.55
170899	4/18/2019	122	202719	NAYLOR STEEL INC	ASTD METAL, STEEL, STAINLESS & ALUMINUM	\$84.73	\$84.73
170862	4/18/2019	143	20190411	CURTIS BOSICK	EXP REIMB: SITE VISITS LUNCH & BRIDGE TOLL	\$81.00	\$81.00
170989	4/25/2019	134	7783759600	RS HUGHES CO INC	ASTD SAFETY SUPPLIES	\$78.25	\$78.25

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Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
171034	5/2/2019	120	20190429	DAMIEN HOGUE	EXP REIMB: CLASS A DMV PERMIT FEE	\$78.00	\$78.00
170951	4/25/2019		615320190420	DISH NETWORK	MAY 2019 - SERVICE FEE	\$65.91	\$65.91
170931	4/25/2019	170	4088644120190422	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 04/19/19 - BOYCE ROAD	\$62.97	\$62.97
170992	4/25/2019	132	20190422	MANJIT SAHNI	EXP REIMB: LIVESCAN FEE PRE-EMPLOYMENT	\$57.00	\$57.00
170854	4/18/2019	170	4047286120190405	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 04/02/19 - PASEO PADRE	\$53.49	\$53.49
170980	4/25/2019		5302893	PACIFIC MECHANICAL SUPPLY	20 TEE 1/2 PVC TEE SCH 80	\$51.00	\$51.00
170946	4/25/2019	122	309759	CENTERVILLE LOCKSMITH	ASTD KEYS	\$47.80	\$47.80
170912	4/18/2019		3404486002	S & S SUPPLIES & SOLUTIONS	21 PKS EYE DRESSING/PADS	\$42.93	\$42.93
171000	4/25/2019	141	415832	ULTRAEX LLC	COURIER SVCS: 1 BOARDMEMBER DELIVERY - 03/20/19	\$42.00	\$42.00
171007	4/25/2019	122	2407627002	WHCI PLUMBING SUPPLY CO	1 HEX BUSHING	\$22.71	\$39.55
	4/25/2019	122	2407627001		1 HEX BUSHING	\$16.84	
170853	4/18/2019		1559	ALAMEDA COUNTY TREASURER	12 ASSESSOR MAPS	\$36.00	\$36.00
170957	4/25/2019	132	20190422	CHRISTOPHER GABRIEL	EXP REIMB: PRE-EMPLOYMENT LIVESCAN FEE	\$30.00	\$30.00
170867	4/18/2019	170	1779502	BUREAU VERITAS/ANALYSTS INC	1 LAB SAMPLE ANALYSIS	\$24.15	\$24.15
170924	4/18/2019	113	8085726593	VWR INTERNATIONAL LLC	LAB SUPPLIES	\$14.98	\$14.98
171012	5/2/2019		9781137405	AT&T	SERV 03/11/19 - 4/10/19	\$4.08	\$4.08

**UNION SANITARY DISTRICT
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04/13/2019-05/03/2019**

Check No.	Date	Dept	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
Invoices:					Checks:		
			Credit Memos :	3	-570.79		
			\$0 - \$1,000 :	239	69,861.54	\$0 - \$1,000 :	114 43,030.41
			\$1,000 - \$10,000 :	87	293,092.07	\$1,000 - \$10,000 :	72 238,017.23
			\$10,000 - \$100,000 :	19	581,769.38	\$10,000 - \$100,000 :	20 642,609.68
			Over \$100,000 :	3	779,320.68	Over \$100,000 :	3 799,815.56
			Total:	351	1,723,472.88	Total:	209 1,723,472.88

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You're helping to keep San Francisco Bay clean!



Union Sanitary District congratulates
the following industries. They have received USD's
2018 Certificate of Merit
for 100% compliance with water quality requirements

Fremont

- | | |
|--|---|
| ★ Amphenol NovaSensor (5) | Materion Brush |
| ★ Applied Thin-Film Products (13) | ★ Microwave Technology, Inc. (8) |
| ★ Bay Area Circuits, Inc. (5) | ★ Pantronix Corporation (14) |
| ★ Boehringer Ingelheim Fremont, Inc. (4) | ★ Quality Transport, Inc./Truck-Rail Handling, Inc. (9) |
| ★ Clean Sciences, Inc. (2) | ★ Quantum Clean #2 (12) |
| Clean Sciences Technology, LLC | Seagate Technology, LLC (FRC) |
| ★ Compugraphics, Inc. (5) | ★ Soraa, Inc. (7) |
| ★ Enablence USA Components, Inc. (10) | ★ Tesla, Inc. (4) |
| ★ Finisar Corporation (16) | ★ Tri-Cities Recycling and Disposal Facility (14) |
| ★ Global Plating, Inc. (4) | ★ Washington Hospital Healthcare System (6) |
| ★ Kaiser Permanente Hospital – Fremont (6) | ★ Western Digital B1 (2) |
| ★ Lam Research Corporation (CA03/CA3E) (8) | Western Digital B2 |
| ★ Lam Research Corporation (CA 30) (10) | |

Newark

- ★ Britech Electropolishing, Inc. (5)
- ★ Matheson Tri-Gas, Inc. (9)

Union City

- ★ Electrochem Solutions, Inc. (3)

★ (Consecutive years receiving award)



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San Francisco Chronicle

Blueprint to battle Bay Area sea-level rise focuses on natural solutions

By **Peter Fimrite**
Thursday, May 2, 2019



Photo: Jessica Christian / The Chronicle

The Oro Loma marshland along the Heron Bay Trail in Hayward is part of San Francisco bay's 400 miles of shoreline.

A blueprint outlining how San Francisco Bay communities should combat sea-level rise was released early Thursday by ecosystem scientists and urban planners who envision a ring of man-made reefs, rocky beaches and graded marshlands around the largest estuary on the Pacific coast.

The carefully designed features, outlined in the 255-page San Francisco Bay Shoreline Adaptation Atlas, would in many cases replace or bury seawalls, rip rap, culverts and other crude fortifications that experts say won't hold up as the climate warms and water rises.

The idea, developed over the past two years by the San Francisco Estuary Institute and SPUR, a San Francisco urban planning research center, is to build eco-friendly features that support wildlife and absorb, rather than repel, the rising tides.

The report comes at a critical time: The U.S. Geological Survey recently calculated that property damage from sea level rise in the Bay Area could exceed \$100 billion by the end of the century if nothing is done to stop carbon dioxide emissions. The Union of Concerned Scientists said 4,100 homes in San Mateo County and nearly 4,400 in Marin County could be underwater by 2045.

The causes of climate change need to be addressed, but at the same time, scientists and planners need to brace for the fallout, experts say. Climate scientists say the sea level at the mouth of San Francisco Bay has risen almost 8 inches over the past century.

“The Bay Area is ground zero for sea-level rise,” said Warner Chabot, executive director of the Estuary Institute, who predicted the atlas would become a national model. “We have a trifecta threat of sea level rise, groundwater rising and lowland flooding from extreme weather patterns, and that guarantees a soupy shoreline future for the Bay Area.”

The plan, funded by the San Francisco Bay Regional Water Quality Control Board, is the first attempt in the Bay Area to develop a collaborative regional plan to both enhance the ecosystem and protect cities around the bay from the potential ravages of climate change.

The report was put together over the past two years in collaboration with scientists, planners and policymakers across the region. It provides graphics, explanations of ecological science and a framework for all nine Bay Area counties to build nature-like shorelines that would protect their communities.

San Francisco Bay has 400 miles of shoreline, including airports, landfills, marinas, wetlands, beaches, ports and residential neighborhoods.

The researchers divided the shoreline into 30 separate “operational landscape units” based on shoreline geology, terrain and infrastructure. They developed strategies for each section, including projects to re-route creeks into wetland areas, place shell structures offshore, use sediment to bolster shoreline elevations and create beaches to replace rip rap, the concrete or stone rubble placed along banks to prevent erosion.

The study incorporates in its recommendations restoration projects that are under way, like one at Giant Marsh in North Richmond. The California State Coastal Conservancy is installing 350 reef structures there, planting eel grass and connecting the wetlands to upland habitat. The goal is to create a sloping tidal system that starts in the water with oyster shell mounds that reduce wave action, then shifts into eel grass in the sub-tidal area and eventually marshland that slows down storm surges.

Wetlands restoration has been going on for years in the former salt ponds in the South Bay and along Highway 37 in the North Bay, buffer zones that the atlas recommends

expanding. The report recommends building a Highway 37 bridge or causeway so that tidewater can better migrate into the restored wetlands.



Photo: Jessica Christian / The Chronicle

Scientist Amy Richey, with the San Francisco Estuary Institute, views a defensive shoreline on the Heron Bay Trail in Hayward.

At least 18,000 acres of potential wetlands in the Bay Area have been acquired and are slated for restoration. The goal is to eventually restore 100,000 acres of bay marsh, much of it in the Napa and Suisun areas, along the Petaluma River and in the South Bay.

Another idea in the report is to reroute Santa Clara County's Calabazas Creek, which was diverted long ago, so that it flows into restored wetlands that need the sediment from the creek to grow. The wetlands near Calabazas are among 16,000 acres of former salt ponds in the South Bay that were cut off from the bay by earthen berms and dikes.

Alameda Creek, Novato Creek and many other waterways in the Bay Area should also be realigned to help build up the marshes, said Julie Beagle, deputy director of the institute's resilient landscape program and lead author of the study.

"We can use the sediment that comes out of our hills," Beagle said. "We have to think of our sediment as a resource."

The authors collaborated with the California Department of Transportation, the Sonoma Land Trust and several cities in Marin and Sonoma counties to identify places along Highway 37 and near Petaluma, Napa and Sonoma creeks where new wetlands could be created.

The East Bay also is a critical area, according to the report's authors. One example of a successful strategy, they said, is the horizontal levee built near a wastewater facility by the Oro Loma Sanitary District in Hayward. The levee uses vegetation planted on a slope that covers a vertical wall previously used to break waves. This setup allows the district to protect the facility and filter-treated wastewater through the ground instead of dumping it in the bay.

Beagle said she would like to see the beaches that once existed from Point Richmond to the Bay Bridge restored. Instead, the Highway 80 corridor is now protected mostly by rip rap, which she said speeds up erosion by essentially increasing the power of the waves that smack into the rock.

"There's no reason in my mind that it can't be a beach," she said. "There is a huge amount of mudflats and shallow water, pocket beaches and small marshes. This is a place where different types of beaches would fit. You could even cover the rip rap with sand or a coarser, more porous material that would soften the wave action."

Other strategies would have to be used for areas with less room for restoration, like Foster City, which is protected by seawalls. One solution would be to engineer shell beaches or jetties that would knock down the waves and create green infrastructure to work in coordination with the wall.

And, Beagle said, there is no way around the decrepit seawall in San Francisco, which is all that keeps the bay from reclaiming inland blocks built on landfill, including portions of the Financial District. Still, she said, it can be rebuilt as a green seawall, with pockets and textures that promote the growth of submerged aquatic vegetation, invertebrates, small mammals and fish.

The report does not address how much money would be needed — or where it would come from — to complete the projects outlined in the report. Up to \$100 billion will be needed over the next 20 years just to rebuild the Bay Area's aging shoreline infrastructure, according to recent estimates.

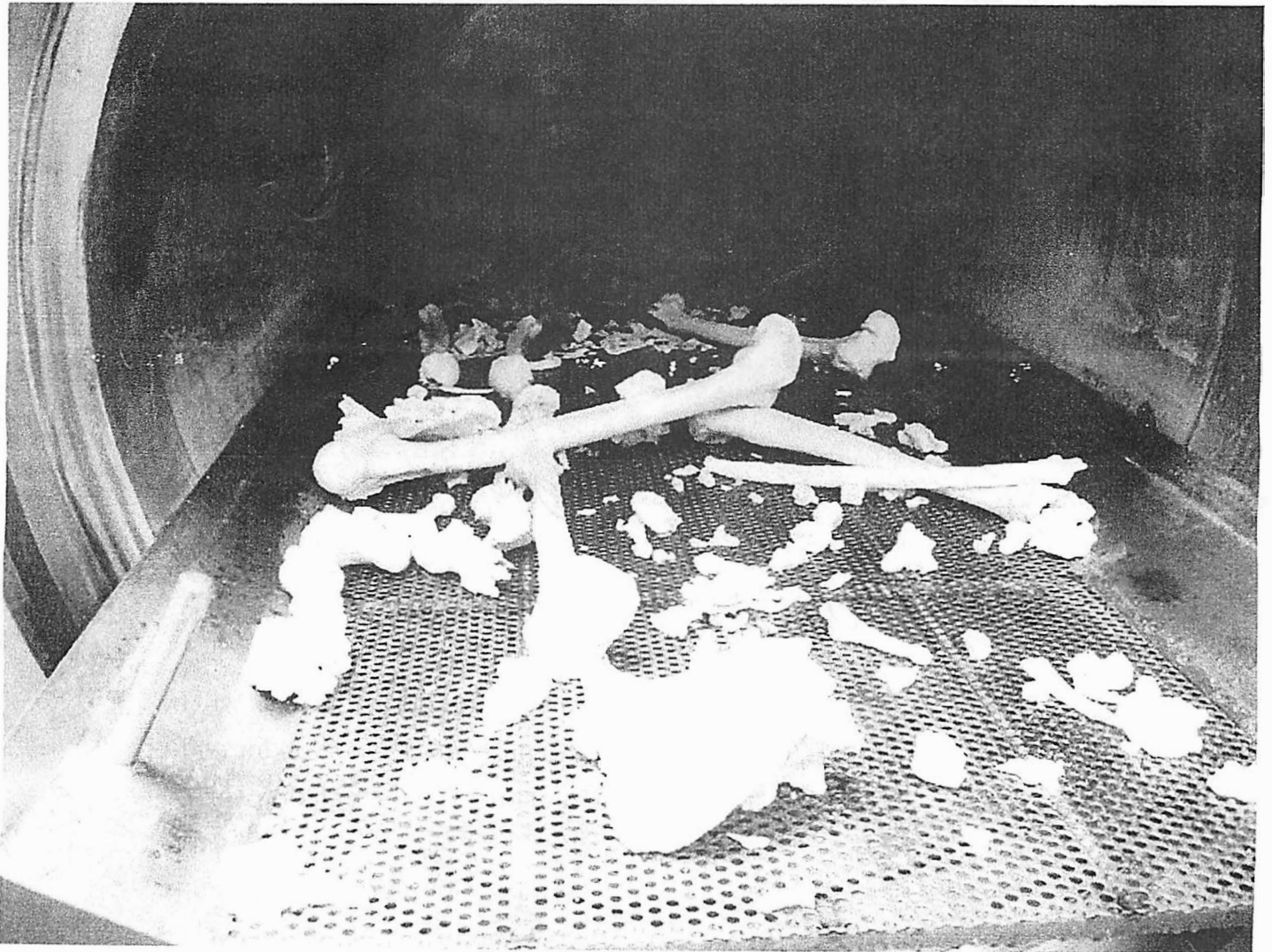
"We only have a few years to get a lot of these projects going because natural solutions take time to evolve," Beagle said. "We need to get moving."

*Peter Fimrite is a San Francisco Chronicle staff writer. Email: pfimrite@sfchronicle.com
Twitter: @pfimrite*

FUTURE OF YOU

Governor Signs Law Allowing Californians to Choose to Liquefy Their Remains

e LISTEN



The bones left over after a water cremation. The fragments **will** be pulverized into a powder, which can be memorialized in an urn. (Dean Fisher/ UCLA)

Update, October 16, 2017:

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SFGATE *vi/- s tr /;ect;/7f)S*

<https://www.sfgate.com/news/article/California-leoal-water-crem-12285298.p'Jp>
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California just rnade it legal to liquefy a corpse

By Annie Vainshtein Updated 3:41 pm PDT, Tuesday, October 17, 2017

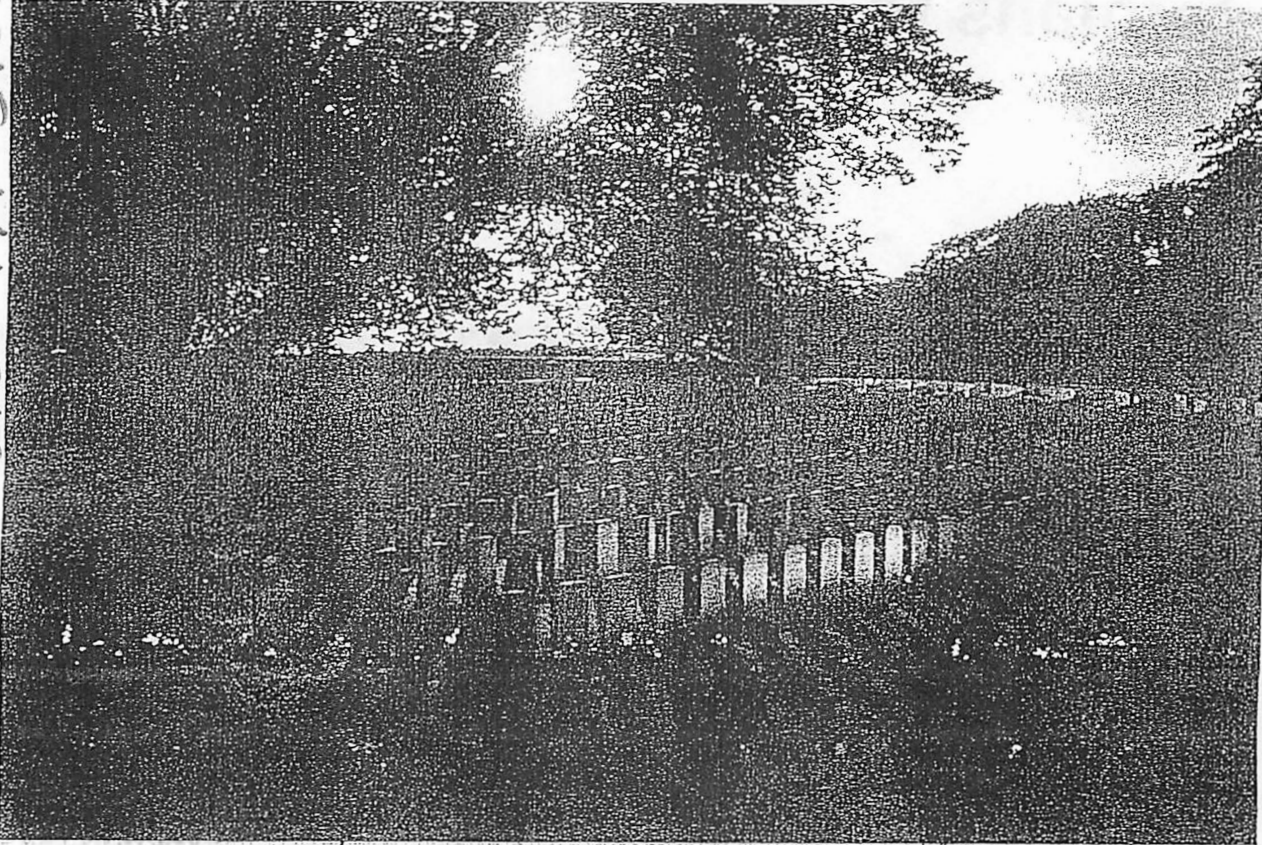


IMAGE 1 OF 42

you tube: The COOKING OF Humanity

Water cremation, or alkaline hydrolysis, is an eco-friendly alternative to traditional forms of dealing with the dead, like burial or flame cremation.

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TOP O' THE BAY DAILY NEWSLETTER

SFGATE's top stories from
across the Bay Area.

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As early as 2020, Californians will be
able to pursue a new option for end-of-
life remains: water cremation.

On Sunday, Gov. Jerry Brown signed
a controversial bill that's been
making the rounds around the nation
over the last several years. It makes it
legal to dispose of human remains
through a process commonly referred to

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DESK ITEM
Public Comment
5/13/2019

*Senator Bob Wieckowski
510-794-3900
961-61-1-1-1*

AB 967 Assemblyman Bill Quinte 510-583-8818

Sweden's new funeral rite - bodies freeze-dried, powdered and made into tree mulch

By Kate Connolly in Berlin

12:05AM BST 25 Sep 2005

A town in Sweden plans to become the first place in the world where corpses will be disposed of by freeze-drying, as an environmentally friendly alternative to cremation or burial. Jonkoping, in southern Sweden, is to turn its crematorium into a so-called promatorium next year.

Swedes will then have the chance to bury their dead according to the pioneering method, which involves freezing the body, dipping it in liquid nitrogen and gently vibrating it to shatter it into powder. This is put into a small box made of potato or corn starch and placed in a shallow grave, where it will disintegrate within six to 12 months.

People are to be encouraged to plant a tree on the grave. It would feed off the compost formed from the body, to emphasise the organic cycle of life.

The national burial law is currently being updated to accommodate a practice that is expected to spread across the country over the next few years.

The technique was conceived by a Swedish biologist, Susanne Wiigh-Masak, 49, who said: "Mulching was nature's original plan for us, and that's what used to happen to us at the start of humanity - we went back into the soil.

"But we need to tell people in this day and age that this can once again be a dignified and comfortable option." According to Mrs Wiigh-Masak's method, which she has called "promession" - the promise to return to the earth what emerged from the earth - the dead body is frozen and dried, using liquid nitrogen.

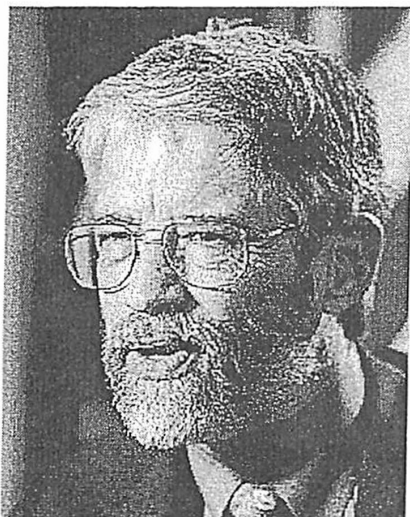
A mechanical vibration then causes the body to fall apart within 60 seconds before a vacuum removes the water.

Then a metal separator picks out metals such as artificial hips and dental fillings.

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John Holdren, Obama's Science Czar, says: Forced abortions and mass sterilization needed to save the planet

Book he authored in 1977 advocates for extreme totalitarian measures to control the population



Forced abortions. Mass sterilization. A "Planetary Regime" with the power of life and death over American citizens.

The tyrannical fantasies of a madman? Or merely the opinions of the person now in control of science policy in the United States? *Or both?*

These ideas (among many other equally horrifying recommendations) were put forth by John Holdren, whom Barack Obama has recently appointed Director of the White House Office of

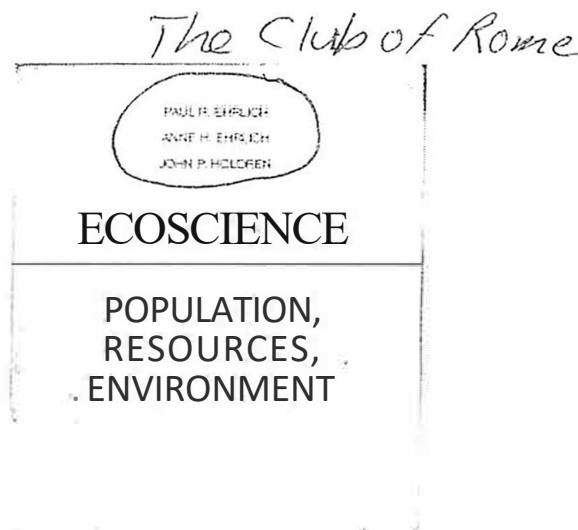
Science and Technology Policy, Assistant to the President for Science and Technology, and Co-Chair of the President's Council of Advisors on Science and Technology – informally known as the United States' Science Czar. In a book Holdren co-authored in 1977, the man now firmly in control of science policy in this country wrote that:

- Women could be forced to abort their pregnancies, whether they wanted to or not;
- The population at large could be sterilized by infertility drugs intentionally put into the nation's drinking water or in food;
- Single mothers and teen mothers should have their babies seized from them against their will and given away to other couples to raise;
- People who "contribute to social deterioration" (i.e. undesirables) "can be required by law to exercise reproductive responsibility" – in other words, be compelled to have abortions or be sterilized.
- A transnational "Planetary Regime" should assume control of the global economy and also dictate the most intimate details of Americans' lives -- using an armed international police force.

Impossible, you say? That must be an exaggeration or a hoax. No one in their right mind would say such things.

Well, I hate to break the news to you, but it is no hoax, no exaggeration. John Holdren really did say those things, and this report contains the proof. Below you will find photographs, scans, and transcriptions of pages in the book Ecoscience, co-authored in 1977 by John Holdren and his close colleagues Paul Ehrlich and Anne Ehrlich. The scans and photos are provided to supply conclusive evidence that the words attributed to Holdren are unaltered and accurately transcribed.

IUPDATE: Make sure to read the new statements issued by the White House and by John Holdren's office in response to the controversy raised by this essay -- you can see them below following the



DO YOU KNOW WHAT'S IN A VACCINE?

NONE OF THESE SHOULD BE INJECTED INTO YOUR BODY



Aluminum

Known to cause brain damage at all doses. linked to ALZHEIMER'S DISEASE, dementia, seizures, autoimmune issues, SIDS and cancer. This toxin accumulates in the brain and causes more damage with each dose.

Beta-Propiolactone

Known to cause CANCER. Suspected gastrointestinal, liver, nervous and respiratory, skin and sense organ POISON.

Gentamicin Sulphate & Polymyxin B (antibiotics)

ALLERGIC reactions can range from mild to life-threatening.

Genetically Modified Yeast, Animal, Bacterial and Viral DNA

Can be incorporated into the recipient's DNA and cause unknown GENETIC MUTATIONS.

Glutaraldehyde

Poisonous if ingested. Causes BIRTH DEFECTS in animals.



Formaldehyde [formalin]

Known to cause CANCER in humans. Probable gastrointestinal, liver, respiratory, immune, nerve and reproductive system POISON. Banned from injectables in most European countries.



Human and Animal Cells

Human DNA from aborted BABIES. Pig blood, horse blood, rabbit brains, dog kidneys, cow hearts, monkey kidneys, chick embryos, calf serum, sheep blood & more. Linked to childhood leukemia and diabetes.

Mercury [thimerosal]

One of the most toxic substances known. Even if a thermometer breaks, the building is cleared and HAZMAT is called. Tiny doses cause damage to the brain, gut, liver, bone marrow, nervous system and/or kidneys. Linked to autoimmune disorders, end neurological disorders like AUTISM.

Monosodium Glutamate [MSG]

A toxic chemical that is linked to birth defects, developmental delays and infertility. Banned in Europe.

Neomycin Sulphate [antibiotic]

Interferes with vitamin B6 absorption which can lead to epilepsy and brain damage. Allergic reactions can range from mild to life-threatening.

Phenol/Phenothiazine [2-PE]

Used as anti-freeze. TOXIC to all cells and capable of destroying the immune system.

Polysorbate 80 & 20

Known to cause CANCER in animals and linked to numerous autoimmune issues and infertility.

GA

VACCINES DOSES for U.S. CHILDREN

1962

1983

2016

•M-H-H

TOTAL DOSES



The US gives 2-3x more vaccines than most developed countries, yet we have the sickest population -- with skyrocketing rates of health issues like asthma, childhood diabetes, food allergies, leukemia, developmental delays, ADHD, autism, lupus, arthritis, eczema, epilepsy, brain tumors, Alzheimer's and more. It's HOT a coincidence.

In 1986, Pharmaceutical manufacturers producing vaccines were freed from ALL liability resulting from vaccine injury or death by the Childhood Vaccine Injury Act. With this, vaccines became HIGHLY profitable. There are 271 vaccines in development and mandatory vaccine laws for children and ADULTS being pushed in most states.

PENINSULA PEOPLE; OPINIONS

Chloramine causes collateral health damage

CHLORAMINE IS A TOXIN added to drinking water, received from the Hetch Hetchy system. Chloramine is a trihalomethane added to chlorine to make chloramine. Listed in the MSDS industrial chemistry book, chloramine is to be used in an emergency and "does not have an antidote." Chloramine cannot be boiled out of the water and can kill fish in hobby tanks and is shown from research, cause canine hepatitis.

GUEST OPINION
BY WINN PARKER

Hemodialysis patients have special conscience not to have chloramine in their blood. They could die in minutes.

Chronic kidney disease calls the organs to slowly lose their ability to filter waste out of the blood. Many of the 10 million people with kidney disease do not know it. The Public Health Service reports that kidney disease is the leading cause of death in the United States.

Charcoal filters cannot take out the nitrogen in the ammonia. The PUC's request for a new processing plant, which will be able to remove the nitrogen, is a step in the right direction. The bioaccumulation of amine toxins and secondary cancer products are going to accumulate even in various dosages of ammonia. Chlorine in the drinking water.

Chloramine in drinking water can enter the digestion and blood stream. In another form called a nitrogen balance. Nitrogen balance refers to the difference between nitrogen (intake and total nitrogen loss in urine, sweat and bowel elimination). Ammonia, derived mainly from breakdown of amino acids, is toxic to animals. Human tissues, therefore, initially detoxify ammonia by converting it to glutamate for transport to the liver. Coillier health damage from ammonia upsets pH balance of the body. If the liver is functioning properly, it will convert ammonia to urea, the non-toxic nitrogen.



Winn Parker of Millbrae is campaigning against the use of chloramine in Bay Area water supply.

rich compound like in the urine. If urea amine or the liver is compromised, ammonia accumulates in the blood and generates serious consequences.

N-nitrosodimethylamine (NDMA), probably carcinogenic, is likely by-product of chloramination of drinking water. Colicri health damage from this second level cancer byproduct, NDMA, will probably be found in the future.

Health body. Journal AWWA, Fall 2001, Vol. 93, No. 2, pp. 91-99.

There are other examples of possible collateral health damage explained in other scientific journals: one affecting thyroid metabolism in healthy men and another affecting white blood cells that are needed for a healthy immune system.

Research shows there is also a health damage when chlorine reacts with chemicals in the water.

Chloramine reacts with certain medicines. For example, chloramine can change the interaction in the body from taking antidepressants with the drug water. Statins, which reduce cholesterol levels, are influenced by chlorine, and drinking water enters the cells of the body. Propecia, for male pattern baldness, is interactive with chloramine. Chloramine has been known to cause corrosion of pipe deterioration releasing lead and other toxins from pipes eaten away by chloramine. This could cost consumers billions of dollars a year and adversely impact public health.

For a short-term solution, consumers should have lithium to remove lead from the water. The long-term solution is to eventually replace all significant lead-bearing materials; use lead in the water system. This will take generations to implement. Rather, we must now remove chlorine, which is a toxin and produces secondary cancer by-product. Use of disinfection byproducts and disinfection byproducts. Since chloramine is a toxin added to the water,

water, water qualities could be called as a toxin. Under Proposition 65.

Chloramine is close to 100 million times more toxic than chlorine. Technologies for water treatment are being developed to remove chlorine from the water. Chloramine is a toxin and has been known to cause corrosion of pipe deterioration releasing lead and other toxins from pipes eaten away by chloramine. This could cost consumers billions of dollars a year and adversely impact public health.

Winn Parker is a graduate medical student and a clinical intern at the University of California, San Francisco. He is a clinical fellow in medical sciences and biomedical cases, in addition to being a former consultant to the World Health Organization.

Call: (415) 339-2800
Fax: (415) 339-2801
(415) 339-2802

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SAN FRANCISCO

PPA-AFFECTED DRUGS

Some of products that contain, (PPA):

"o:IT Diet ' Plus Su
AquiM Maximum ControC
Ab-Seltzer Plus Child's Cold. O!
Plus Cold (Oleny change
AIM Seltzer Plus Cold Medd...
-A-Seltzer Plus & Medicine
-A-Seltzer Plus -lime Coif Medicine
acAUeqy C>td Powder
-BCSim's Cold Powder
Comrex Deep & CG Relief
-Au & BNec RIGf day & Night
Contac 12 Cold Capsules
eoniac 12 Hour Cold QI
Qoridin o Cold, Flu & Sinus
Dexatrim Caffeine Free
Dexatrim Extended Duration
Dexatrim Gelcaps
Dexatrim Vitamin C/Caffeine Free
Dimetapp Cold & Allergy T-
Dimetapp Cold & Cough
Dimetapp DM Cold & Cough Elixir
Dimetapp Bkfr
4-Hour
Dimetapp our Tablets
Ometapp 12 Ext Tablets
Naldecon DX Pediatric Drops
Pamlathe Megs 16
Robitussin CF
Tavist-012 HxK Relief of Sinus & N.-. Ooi
Tilt Span des Appetite ..
Tric DM Couff R jet
Triaminic Expectorant Chest & Head
Triaminic Syrup Cold & Allergy
Triaminic Triaminic Cold &
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Wal-Hist Cold & Allergy 5t
Wal-tap 12 Relief of cold Med-
Wal-tap Elix Grape
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YouTube: Who is
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GLOBAL HEALING CENTER
Natu,af Healh: & Organic Living

by DeboraA Tcd/C/5

Chlorine, Cancer And Heart Disease

Learning Center > Health/Hazards To Know About > Chlorine, Cancer, And Heart Disease

"We are quite convinced, based on this study, that there is an association between cancer and chlorinated water." - Medical College Of Wisconsin research team

The addition of chlorine to our drinking water began in the late 1800s and by 1904 was the standard in water treatment, and for the most part remains so today. We don't use chlorine because it's the safest or even the most effective means of disinfection, we use it because it is the cheapest. In spite of all our technological advances, we essentially still pour bleach in our water before we drink it. The long term effects of chlorinated drinking water have just recently been recognized. According to the U.S. Council Of Environmental Quality, "Cancer risk among people drinking chlorinated water is 93% higher than among those whose water does not contain chlorine."

Dr. Joseph Price wrote a highly controversial book in the late 1950s titled Coronaries/Cholesterol/Chlorine and concluded that nothing can negate the incontrovertible fact: the basic cause of atherosclerosis and resulting entities such as heart attacks and stroke, is chlorine. Dr. Price later headed up a study using chickens as test subjects, where two groups of several hundred birds were observed throughout their span to maturity. One group was given water with chlorine and the other without. The group raised with chlorine, when autopsied, showed some level of heart or circulatory disease in every specimen, the group without had no incidence of disease. The group with chlorine under winter conditions, showed outward signs of poor circulation, shivering, dropped feathers and a reduced level of activity. The group without chlorine grew faster, larger and displayed vigorous health. This study was well received in the poultry industry and is still used as a reference today. As a result, most large poultry producers use dechlorinated water. It would be a common sense conclusion that if regular chlorinated tap water is not good enough for the chickens, then it probably is not good enough for us humans!

There is a lot of well founded concern about chlorine. When chlorine is added to our water, it combines with other natural compounds to form Trihalomethanes (chlorination byproducts), or THMs. These chlorine byproducts trigger the production of free radicals in the body, causing cell damage, and are highly carcinogenic. "Although concentrations of these carcinogens (THMs) are low, it is precisely these low levels that cancer scientists believe are responsible for the majority of human cancers in the United States". The Environmental Defense Fund

Simply stated chlorine is a pesticide, as defined by the U.S. EPA, who's sole purpose is to kill living organisms. When we consume water containing chlorine, it kills some part of us, destroying cells and tissue inside our body. Dr. Robert Carlson, a highly respected University of Minnesota researcher who's work is sponsored by the Federal Environmental Protection Agency, sums it up by claiming, "the chlorine problem is similar to that of air pollution", and adds that "chlorine is the greatestcrippler and killer of modern times!"

Breast cancer, which now effects one in every eight women in North America, has recently been linked to the accumulation of chlorine compounds in the breast tissue. A study carried out in Hartford, Connecticut, the first of its kind in North America, found that, "women with breast cancer have 50% to 60% higher levels of organochlorines (chlorination byproducts) in their breast tissue than women without breast cancer."

One of the most shocking components to all of these studies is that up to 2/3s of our harmful exposure to chlorine is due to inhalation of steam and skin absorption while showering. A warm shower opens up the pores of the skin and allows for accelerated absorption of chlorine and other chemicals in water. The steam we inhale while showering can contain up to 50 times the level of chemicals than tap water due to the fact that chlorine and most other contaminants vaporize much faster and at a lower temperature than water. Inhalation is a much more harmful means of exposure since the chlorine gas (chloroform) we inhale goes directly into our blood stream. When we drink contaminated water the toxins are partially filtered out by our kidneys and digestive system. Chlorine vapors are known to be a strong irritant to the sensitive tissue and bronchial passages inside our lungs, it was used as a chemical weapon in World War II. The inhalation of chlorine is a suspected cause of asthma and bronchitis, especially in children... which has increased 300% in the last two decades. "Showering is suspected as the primary cause of elevated levels of chloroform in nearly every home because of chlorine in the water." Dr Lance Wallace, U.S. Environmental Protection Agency.

Chlorine in shower water also has a very negative cosmetic effect, robbing our skin and hair of moisture and elasticity, resulting in a less vibrant and youthful appearance. Anyone who has ever swam in a chlorinated pool can relate to the harsh effects that chlorine has on the skin and hair. What's surprising is that we commonly find higher levels of chlorine in our tap water than is recommended safe for swimming pools.

Aside from all the health risks related to chlorine in our water, it is the primary cause of bad taste and odor in drinking water. The objectionable taste causes many people to turn to other less healthful beverages like soft drinks, tea or other sweetened drinks. A decreased intake of water, for any reason, can only result in a lower degree of health.

The good news is that chlorine is one of the easiest substances to remove from our water. For that reason it logically should serve its purpose of keeping our water free from harmful bacteria and water borne diseases right up to the time of consumption, where it should then be removed by quality home water filtration.

No one will argue that chlorine serves an important purpose, and that the hazards of doing away with chlorine are greater than or equal to the related health risks. The simple truth is that chlorine is likely here to stay. The idea that we could do away with chlorine any time in the near future is just not realistic. It is also clear that chlorine represents a very real and

YouTube: 2017 Banned Documentary tells the truth about water exposed

YouTube: Geo engineering waging weather warfare on world populations
• The cooking of humanity

Con-tiinlinated Water a Problem

Continued from Page B-1

toxic heavy metal.

The Washington Post reported in October 2004 that the D.C. Water and Sewer Authority knew in 2001 that its water contained unsafe lead levels, but "withheld six high test results and said the water was fine."

While the Post article did not mention chloramines, it did say that other cities have similar problems dealing with unacceptably high levels of lead in their water.

"Cities across the country are manipulating the results of tests used to detect lead in water, violating federal law and putting millions of Americans at risk," the Post reported. "Some cities, including Philadelphia and Boston, have thrown out tests that show high readings or have avoided testing homes most likely to have lead."

"In New York City," the Post wrote, "the nation's largest water provider has for the past three years assured its 9.3 million customers that its water was safe because the lead content fell below federal limits. But the city has withheld from regulators hundreds of test results that would have raised lead levels above the safety standard in two of those years."

The American Water Works Association (AWWA), an international nonprofit scientific society dedicated to the improvement of drinking water quality, reported that samples of Washington water collected after flushing were as high as 48,000 parts per billion (ppb). Some of the highest lead concentrations came from taps after one minute of flushing.

The EPA's "action level" for lead in drinking water is 15

ppb, while the UN's World Health Organization recommends that lead not exceed 10 ppb.

According to the EPA, "If the lead concentration of the drinking water at the tap is above the action level, the water supplier may be required to install corrosion-control equipment, monitor the water source, and replace lead service lines, as well as undertake a public education program."

After switching to chloraminated water, children in Washington ingested more than 60 times the EPA's maximum level of lead with one glass of water.

"Cities across the country are manipulating the results of tests used to detect lead in water. Some cities have thrown out tests that show high readings."

"[Lead] contaminated water is a greater risk to youth," the EPA notes. A 2-year-old's estimated daily intake of lead from all sources should not exceed 190 ppb per day, according to EPA guidelines.

In March 2004, after a number of 2-year-olds in Washington were found to have high levels of lead in their blood, D.C. City Administrator Robert Bobb said that 23,000 homes with lead service lines would receive filters within 30 days.

Lead in the drinking water was a problem that plagued ancient Rome.

Vitruvius, Roman architect and engineer, warned of lead in his 1st Century B.C. opus *De Architectura*: "Water from day pipes is much more wholesome than that which is con-

ducted through lead pipes, because lead is found ill be harmful ... hurtful to the human system."

"Hence, water ought by no means to be conducted in lead pipes, if we want to have it wholesome," Vitruvius wrote.

TOXIC BYPRODUCTS

The chlorination of water also creates a host of known and unknown organic byproducts, which experts say are "the chemicals of greatest concern" due to their toxicity and carcinogenic potential.

To reduce the level of harmful DBPs and the odor in the water, the EPA began promoting chloramination of water in 1994.

While the chloramines reduce the level of known DBPs, they create a host of unknown DBPs, some of which are extremely toxic.

In Corpus Christi, Texas, for example, where the water is treated only with chloramines, the reaction with the bromide and iodide laden source water creates some of the "most toxic and genotoxic DBPs" ever found.

Although chlorine has been used to disinfect water for over 100 years, less than 50 percent of the DBPs in chlorinated drinking water are known. With chloramines, only 17 percent of the DBPs have been identified.

The unintended generation of DBPs poses a chronic health risk," Dr. Michael J. Plewa, a genetic toxicology expert at the University of Illinois, wrote. Plewa authored a 2004 EPA-funded study of the effects of chloramines in the water of Corpus Christi.

In the chloramine-treated water of Corpus Christi, Plewa's study discovered a number of new and extremely toxic DBPs: iodoacids.

"The iodoacetic acid is the most toxic and genotoxic DBP in mammalian cells reported in the literature," Plewa wrote. Of the known DBPs, the iodoacetic acid found in the drinking water of Corpus Christi was "the most toxic and DNA-



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DESK ITEM
Public Comment
5/13/2019

c-inull: KWATI@SBCGLOBAL.net

PENINSULA PEOPLE (i: OPINIONS

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Millbrae, California 94030

Chloramine causes collateral health damage

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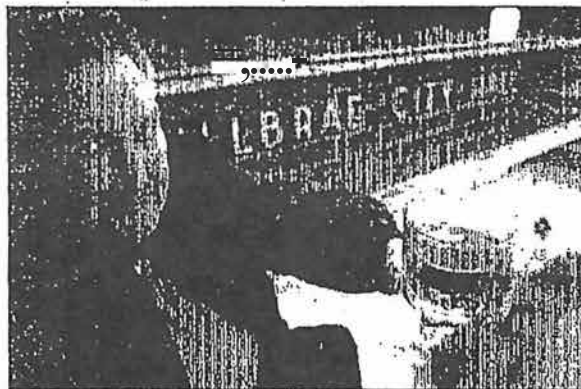
GUWT Q1 INIHI
BY WINN PARKER

Hemodialysis patients have a special consideration not to have chloramine in their blood. They could die in minutes.

Chronic kidney disease causes the organs to slowly lose their ability to filter waste out of the bloodstream. Many of the 20 million people estimated to have kidney disease do not know it. The Public Utility Commission is asking humans to be a human processing plant for

Charcoal filters cannot take out the nitrogen in the ammonia. The PUC's requested human processing plant - which is us - can bioaccumulate the nitrogen toxins from an impaired kidney, liver or impaired immune system. The bioaccumulation of amine toxins and secondary cancer products are going to accumulate even in various dosages of ammonia to chlorine in the drinking water.

Chloramine in drinking water can enter the digestion and blood stream in another form called a nitrogen balance. Nitrogen balance refers to the difference between nitrogen intake and total nitrogen loss in urine, meat and bowel elimination. Ammonia, derived mainly from breakdown of amino acids, is toxic to all animals: Human tissues, therefore, initially detoxify ammonia by converting it to glutamine for transport to the liver. Collateral health damage from ammonia upsets the pH balance of the body. If the liver is functioning properly, it



Winn Parker of Millbrae is campaigning against the use of chloramine in Bay Area water supplies.

releases ammonia converted into the non-toxic nitrogen-rich compound urea in the urine. If the amine of the liver is compromised, ammonia accumulates in the blood and generates serious consequences.

Non-nitrosodimethyamine (NOMA), a probably carcinogen, is a likely by-product of chloramination of drinking water. Collateral health damage from this

secondary cancer by-product, NOMA, will probably decrease immunity in the human body. Journal AWWA, Feb. 2001, Vol. 93, No. 2, pp. 92-99.

There are other examples of possible collateral health damage from chloramine explained in other scientific journals, one affecting thyroid metabolism in healthy men and another affecting white blood cells that are

needed for a healthy immune system.

Research shows there is also collateral health damage when chloramine interacts with certain medicines. For example, chloramine can change the interaction in the body from taking antidepressants with the drinking water. Statins, which reduce cholesterol levels, are influenced by chloramine drinking water, entering the cells of the body. Propecia, for male pattern baldness, is interactive with chloramine.

Chloramine has been known to cause corrosive pipe deterioration releasing lead and other toxins from pipes eaten away by chloramine. This could cost consumers billions of dollars a year and adversely impact public health.

For a short-term solution, consumers should have filters to remove lead from the water. The long-term solution is to eventually replace all significant lead-bearing materials that are used in the water system. This will take generations to implement.

Rather, we must NOW remove chloramine, which is a toxin and produces secondary cancer by-products, and has uncertainties and risks. Since chloramine is a toxin added to the water, water qualifies to be labeled as a toxin under Proposition 65.

If it costs close to \$400 million to have alternative technologies for our water to be chemically free, it is a small price to pay compared to the \$3.5 billion 13-year build-out of the Hetch Hetchy water system.

After the installation of alternative technologies, we will not have to worry about setting caps on tort damage lawsuits resulting from wrongful death suits against the state, county, and city councils.

Winn Parker is a global medical and bioscience clinical intellectual property venture capital /cens/ng agromant analyst. He is a 1/consad clinical medical scientist and an expert witness in medical science and biomedical cases. In addition to being a former consultant to the World Health Organization, Parker lives in Millbrae.

for chloramine



General

Synonyms: chloramide, chloroamide, monochloramide, monochloramine, monochloroamine, chloroammonia, monochloroammonia

Use: emergency water disinfectant, synthetic intermediate

Molecular formula: HIClN

CAS No: 10599-90-3

EINECS No:

Physical data

Appearance: colourless to yellow liquid with a pungent odour

Melting point: $-66\text{ }^{\circ}\text{C}$

Boiling point:

Vapour density:

Vapour pressure:

Density (g cm^{-3}):

Flash point:

Explosion limits:

Autoignition temperature:

Water solubility: soluble

Stability

Unstable. Solvent-free material decomposes violently. Light, air and heat sensitive. Reacts with oxidizing agents.

Toxicology

† May act as a mutagen. Harmful if swallowed or inhaled.

(The meaning of any abbreviations which appear in this section is given)

<http://physchem.ox.ac.uk/MSDS/CH/chloramine.html>

6/12/2006

The following? are cold Remedies pulled by the FDA from the shelves -because of their amine ingredient:

(Medical _____ influenced by amines were and are hemorrhagic stroke or bleeding in the brain with women at risk more than men, and diabetics, and cancer-chemotherapy patients..)

A-12 Tuesday, November 7, 2000 ★

SAN FRANCISCO

PPA-AFFECTED DRUGS

Some of the products that contain _____ (PPA):

AcuTrim Diet Gum Appetite- Plus Dietary Supplement
 AcuTrim Maximum Appetite Control
 Alka-Seltzer Plus Children's Cold -
 Alka-Seltzer Plus Cold (Cefix Of Cefixella Yor)
 Alka-Seltzer Plus Cold Med (Irtina)
 Alka-Seltzer Plus Cold & Cough Medicine
 Alka-Seltzer Plus Cold & Run Medicine
 Alka-Seltzer Plus Cold & S H J s
 Alka-Seltzer Plus Nighttime Cold Medicine
 BC-Sinus Cold Powder
 BC Shiu's Cold Powder
 Comtrex Deep- & Relief
 Continex Flu Therapy- & 1 Year Relief Day & Night
 Contac 12 Hour Cold Capsules
 Contac 12 Hour Cold Capsules
 Coridin Cold, flu & S S flug
 Dexatrim Caffeine Free
 Dexatrim Extended Duration
 Dexatrim Getcaps
 Dexatrim Vitamin C/Caffeine
 Dimetapp Cold & Allie Chewable Tablets
 Dimetapp Cold & LIQ
 Dimetapp OM Cold & Elder
 Dimetapp Elixir
 Dimetapp 4 Hour Uqu1-Gels
 Dimetapp 4 Hour Tablets
 Dimetapp 12 Hour Extended Tablets
 Naldecoo OX Peclatnc
 Pennathene Mega-16
 Robitussin Cf
 Tavist-0 12 Hour Relief of Sinus &
 Thinspan Capsules Appetite Supplement
 Triaminic DM Cough Relief
 Triaminic Expectorant Chest & Head
 Triaminic Syrup Cold, fl. Anerg
 Triaminic Triaminic Cold & CoUF
 Walgreens brand:
 Wal-hist-0 Cold and Allergy
 Wal-hist-12 Cold Relief of Cold and
 Wal-tap Elixir Grape

SOULA: Conoun-o.r

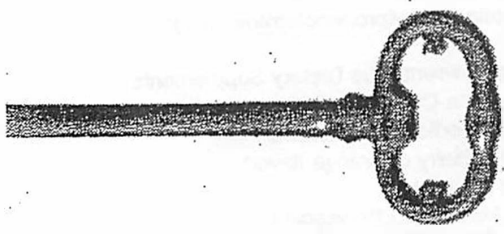
EXAMINER GRAPHICS

...cu y .cAwts, ana accessories for women and men, Fashion Expo will feature vintage collections from century t6 the 1990s. Tickets range fro \$12-\$25, ents, \$5 on Sunday. Visit www.vintageexpo.com or -7482.

ing Family Lock Museum

ystery of the locksmith business at the family-owned nview at the Jh ning Family Lock Museum in Moun- >me_veryday house keys to intricately designed locks, collection spans from the 1600s to the prese t day. 00 locks and 5,000 keys from around the world. and safes and hundreds ofkey -rings, this is truly a fas- um for everyone in the family. All of the museum's ;pecify the location and era o forigin. Look carefully iscover one ofyour keys' prototypes on the museum lission. Visit www.jehninglockmusewn.com or call

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zzling Alexander Ghindin

COURTESY OF STEINWAY SOCIETY



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y Bay Area renowned anist Alex- •theSmith- igeatFoot- Los Altos e winner i Interna- npetition, ly, wminer e Intema- petition of Brazil, the llperform isitionsby (a,Liadov, :hmaninoff. Discounts available for students and v.steinwaysociety.com or call 408-990-0872.

.d the Bay submissions please email: .s.com

cials announced Monday.
Toe State Water Project plans to deliver 20 percent of the requested amoupts-a figure that marks a 5 percent increase from its previous -estimate in January.
Ho = e r, it's the second-low- est amount since 1991, according to the California Department ofWater Resources, which provides water to districts in the San Francisco Bay Area, San Joaquin Vall_e_y and Southern California
"It's a big deal, each little amount ofwater that we get/ said Curtis Creel, assistant gen-

Sonoma Officials Oppose Fl orjdein Drinking Water

SONOMA-Sonoma's ity council is opposing a proposal to add fluoride to the ciy 's drin.Ring water, after hearing concerns from residents.
Toe Santa Rosa Press Demo- crat newspaper reports coun- cil members voted 3-2 Monday against the plan to add the cavi- ty-fighting mineral to its water supply. The council will send a letter ofopposition to the coun- ty's oard ofsupervisors.
Council member Laurie Gallian says she voted against sending the letter because the county was still in the process

Some farmers will have to rely on groundwater or lea,ve fields unplanted.
State officials said large storms in December and February along with careful manage- ment have put state reservoirs at higher levels than a year ago.
"We're confident that this water, delivered to local dis- tricts aro d the state, will help offset some economic harm of this extended drought," Mark Cowin, director of the state's Department ofWater Resources, said in a statement.
Jeffr y Kightlinger, general

manager of the Me'tropc Water District ofSouthern ifornia, said the sligh{-jnc was welcomed., bu ilfdoe substantially change the sl picture. The district pro' water to 19 million Sout California residents.
"Although Metropol continues to mainta,in "" in reserve, we must care! manage these supplies sh, the. drought stretch bey this year," Kightlinger said statement, adding that the trict also receives water from Colorado River.

Minimmn- One San Fr. AreaCityJ1

ofresearching the fluoridation issue.
County health officials are pushing to add fluoride to the water; saying 'it is one of the most effective ways to prevent tooth decay and reduce dental care costs.
Fluoride opponents call the mineral dangerous and the sci- ence surrounding water fluori- dation-faulty.
Officials estimate it will cost \$587,000 a-year to inject fluoride into the water supply.

OAKLAND-The minimu wage in Oakland is now tl highest in the San Francis, Bay Area.
KPIX reports that on Mol day it jumps from \$9 an-hol to \$12.25 an hour under an in tiative that was approved b voters last November.
Labor le:3:ders say there ar roughly 48,000 low-wag workers in Oakland who will benefit from the wage hike.
Besides more money pe

From The Associated Press

Thieves Crash Truck Into Electronics Store in

SAN FRANCISCO-In the most recent smash-and-grab in San Francisco, thieves again drove a truck into a store and stole high-end merchandise.
KNTV reports that Music Lovers, a high-end music and electronics store, was hit about

4 a.m. Wednesday.
A witness told the television station that he heard the sound ofbreaking glass and then saw three men in trench coats and ski masks pulling things out of the store and loading up a truck. No one was arrested.

Police were looking into whether the burglary was related to at least six similar crimes in the San Francisco Bay Area during the last year.
Electronics, high-end clorh- i:lg, and purses have been stol- en during past crimes. In Jan-

Epoch Times
MARCH 5-11. 2015
DESKTOP
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5/13/2019

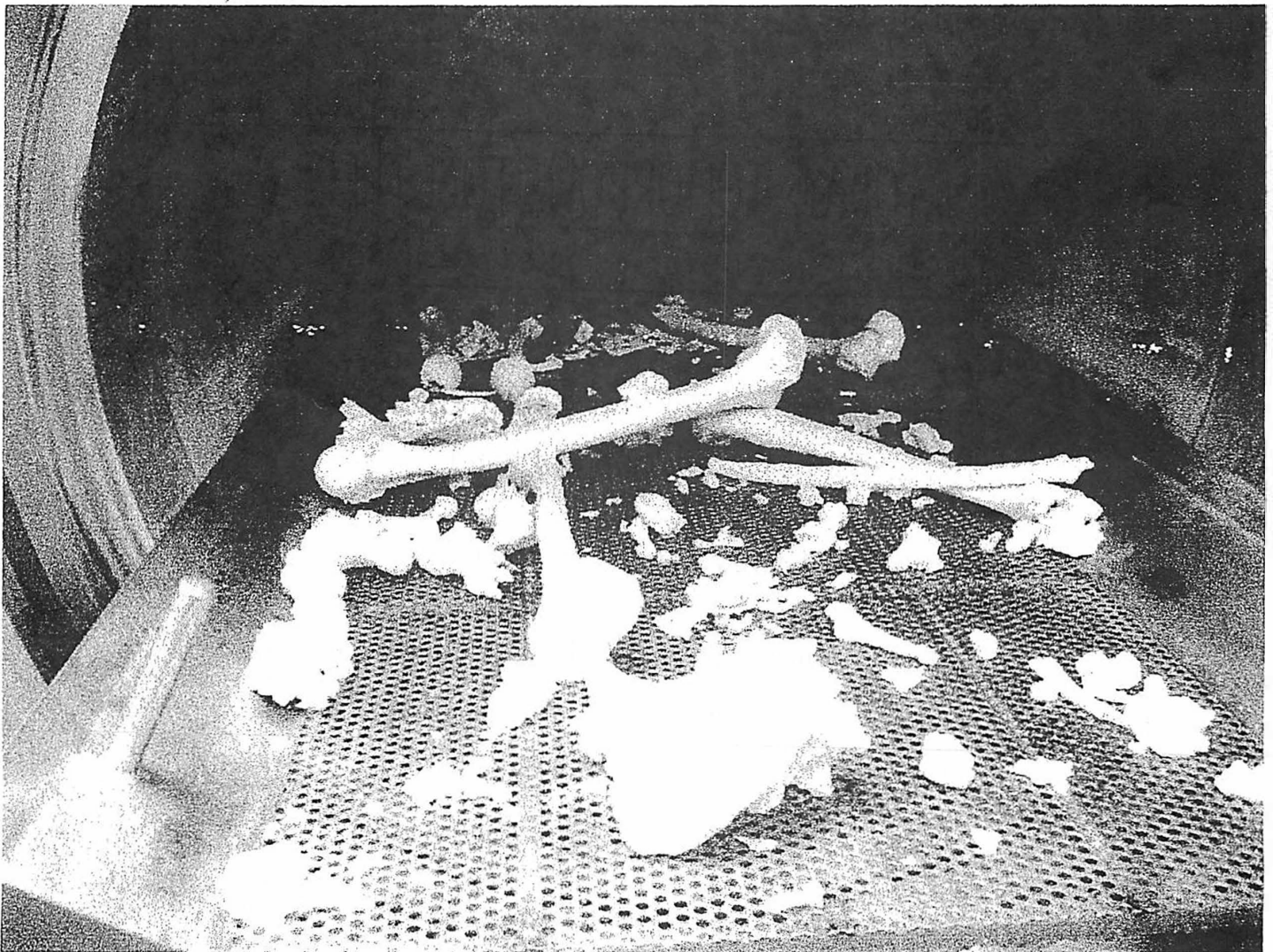
Gov. Newsom Signs Law Allowing Californians to Choose to Liquefy Their Remains



LISTEN

AB 967

S-10
S-1-8818



The bones left over after a water cremation. The fragments will be pulverized into a powder, which can be memorialized in an urn. (Dean Fisher/ UCLA)

Update, October 16, 2017:

google this article

DESK ITEM
Public Comment

10/16/2019

for the future of the dead

Update, October 16, 2017:

Gov. Jerry Brown last night signed into law the bill that legalizes a method of disposing of human remains commonly called 'water cremation.'

The method doesn't actually use water, but uses a chemical that speeds up decomposition of bodies and leaves behind only sterile water, bones, and medical implants or devices.

The new law establishes procedures for licensing and regulating mortuaries or other companies that aim to adopt the method, to be overseen by the Cemetery and Funeral Bureau within the state Department of Consumer Affairs.

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Governor Signs Law Allowing Californians to Choose to Liquefy Their Remains Oct. 16, 2017

Supporters say water cremation offers a green alternative to traditional cremation or burial.

Original Story, July 24, 2017:

You may not equate death with climate change, but disposing of human remains leaves a fairly hefty carbon footprint.

Supporters of a California bill allowing dead bodies to be dissolved in a hot chemical bath are hoping to overcome the 'ickfactor.'

www.Fluoride Action Network.org
 YouTube: Dr. Russell Blaylock: Fluoride's Deadly secrets
 YouTube: 2017 Banned Documentary
 Review Tells The truth about water exposed

Developmental Fluoride Neurotoxicity: A Systematic Review and Meta-Analysis

Anna L Choi,¹ Guifan Sun,² Ying Zhang,³ and Philippe Grandjean^{1*}

¹Department of Environmental Health, Harvard School of Public Health, Boston, Massachusetts, USA; ²School of Public Health, China Medical University, Shenyang, China; ³School of Stomatology, China Medical University, Shenyang, China; ¹Institute of Public Health, University of Southern Denmark, Odense, Denmark

Abstract

Background: Fluoride exposure in early life is a public health concern because of its potential neurotoxic effects. The objective of this study was to systematically review and meta-analyze the evidence on the neurotoxic effects of fluoride exposure in early life.

Methods: We searched MEDLINE (National Library of Medicine, Bethesda, MD, USA; <http://www.ncbi.nlm.nih.gov/pubmed>), Embase (Elsevier B.V., Amsterdam, The Netherlands; <http://www.embase.com>), Water Resources Abstracts (Proquest, Ann Arbor, MI, USA; <http://www.csa.com/facsrhcccc/water-resources-sc1-c.php>), and TOXNET (Toxicology Data Network; JHU Libraries, Baltimore, MD, USA; <http://toxnet.nlm.nih.gov>) databases to identify studies of drinking water fluoride and neurodevelopmental outcomes in children. In addition, we searched the China National Knowledge Infrastructure (CNKI; Beijing, China; <http://www.cnki.net>), Darabase (Chinese journals only; Key Address correspondence to A.L. Choi, Department of Environmental Health, Harvard School of Public Health, 665 Huntington Ave., Boston, MA 02115 USA. Telephone: (617) 384-8646. fax: (617) 384-8994. E-mail: choi@hsph.harvard.edu. Supplemental material is available online (<http://dx.doi.org/10.1289/ehp.1104912>). We thank V. Malik, Harvard School of Public Health, for the helpful advice on the meta-analysis methods. This study was supported by internal institutional funds.

Results: The authors declare they have no conflict of interest.

Conclusion: Fluoride exposure in early life is a public health concern because of its potential neurotoxic effects. The objective of this study was to systematically review and meta-analyze the evidence on the neurotoxic effects of fluoride exposure in early life.

Keywords: fluoride, neurotoxicity, children, drinking water, systematic review, meta-analysis.

A recent report from the National Research Council (NRC 2006) concluded that adverse effects of high fluoride concentrations in drinking water may be of concern and that additional research is warranted. Fluoride may cause neurotoxicity in laboratory animals, including effects on learning and memory (Chioia et al. 2008; Mullen et al. 1995). A recent experimental study where the hippocampal neurons were incubated with various concentrations (20 mg/L, 40 mg/L, and 80 mg/L) of sodium fluoride *in vitro* showed that fluoride neurotoxicity may target hippocampal neurons (Zhang et al. 2008). Although acute fluoride poisoning may be lethal, most of the epidemiological information available on associations with children's neurodevelopment is from China, where fluoride generally occurs in drinking water as a natural contaminant, and the concentration depends on local geological conditions. In many rural communities in China, populations with high exposure to fluoride in local drinking-water sources may reside in close proximity to populations without high exposure (NRC 2006).

Opportunities for epidemiological studies depend on the existence of communities

of fluoride from drinking water. Such circumstances are difficult to find in many industrialized countries, because fluoride concentrations in community water are usually no higher than 1 mg/L, even when fluoride is added to water supplies as a public health measure to reduce tooth decay. Multiple epidemiological studies of developmental fluoride neurotoxicity were conducted in China because of the high fluoride concentrations that are substantially above 1 mg/L in well water in many rural communities, although microbiologically safe water has been accessible to many rural households as a result of the recent 5-year plan (2001-2005) by the Chinese government. It is projected that all rural residents will have access to safe public drinking water by 2020 (World Bank 2006). However, results of the published studies have not been widely disseminated. Four studies published in English (Li et al. 1995; Lu et al. 2000; Xiang et al. 2003; Zhao et al. 1996) were cited in a recent report from the NRC (2006), whereas the World Health Organization (2002) has considered only two (Li et al. 1995; Lu et al. 1996) in its most recent monograph on fluoride.

Fluoride exposure in early life is a public health concern because of its potential neurotoxic effects. The objective of this study was to systematically review and meta-analyze the evidence on the neurotoxic effects of fluoride exposure in early life.

To summarize the available literature, we performed a systematic review and meta-analysis of published studies on increased fluoride exposure in drinking water associated with neurodevelopmental delays. We specifically targeted studies carried out in rural China that have not been widely disseminated, thus complementing the studies that have been included in previous reviews and risk assessments.

Methods

Search strategy. We searched MEDLINE (National Library of Medicine, Bethesda, MD, USA; <http://www.ncbi.nlm.nih.gov/pubmed>), Embase (Elsevier B.V., Amsterdam, The Netherlands; <http://www.embase.com>), Water Resources Abstracts (Proquest, Ann Arbor, MI, USA; <http://www.csa.com/facsrhcccc/water-resources-sc1-c.php>), and TOXNET (Toxicology Data Network; JHU Libraries, Baltimore, MD, USA; <http://toxnet.nlm.nih.gov>) databases to identify studies of drinking water fluoride and neurodevelopmental outcomes in children. In addition, we searched the China National Knowledge Infrastructure (CNKI; Beijing, China; <http://www.cnki.net>), Darabase (Chinese journals only; Key

Address correspondence to A.L. Choi, Department of Environmental Health, Harvard School of Public Health, 665 Huntington Ave., Boston, MA 02115 USA. Telephone: (617) 384-8646. fax: (617) 384-8994. E-mail: choi@hsph.harvard.edu. Supplemental material is available online (<http://dx.doi.org/10.1289/ehp.1104912>).

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The authors declare they have no conflict of interest.

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5/13/2019

Poisons All Around Us: What You Need to Know

Tap Water Is Dangerously Polluted

Despite decades of effort to clean up lakes, streams, and groundwater — and regulations and laws that have been passed to reduce industrial pollution of water supplies — new forms of pollution are being discovered daily.

On one hand, we are told by local and federal health authorities that municipal drinking water supplies are cleaner and healthier than ever. Yet there are reports, usually buried within documents not readily available to the public, indicating that major problems still face us — and that they may be getting worse.

With the massive industrialization that followed World War II, hundreds of thousands of synthetic chemicals were manufactured. Tons of these chemicals were dumped in lakes, streams, and rivers.

In the ensuing decades, scientists discovered that a significant number of these chemicals are carcinogenic — that is, over years of exposure they can cause cancer in animals and humans.

The most significant carcinogens in the water

supply include:

- Arsenic
- Herbicides
- Pesticides
- Fungicides
- Industrial by-products

These chemicals have all been linked to increased rates of lung, bladder, stomach, brain, and colon cancers.

In addition, the chlorination of drinking water can lead to formation of chloride-organic combinations called organochlorine compounds. Many of these compounds have also been shown to be toxic to cells and cause cancers.

Other contaminants — especially aluminum, lead, and copper — can have profound effects on health.

Compelling evidence indicates that aluminum in water is associated with a significantly increased risk of Alzheimer's disease, especially if the water also has fluoride added to it.

Another link between water fluoridation and metal toxicity concerns the levels of lead in water. It has been demonstrated that elevated levels of lead are responsible for a number of adverse health conditions, including:

- Hypertension
- Anemia
- Accelerated hardening of the arteries
- Increased violent behavior
- Loss of impulse control (e.g. "road rage")
- Increased suicide rates
- Learning problems
- Increased homicide rates

Even small elevations in blood lead levels, as low as 10 micrograms per liter and possibly as low as 5 micrograms per liter, can produce adverse behavioral effects.

In recent years, there has also been more concern about our water supplies being infiltrated by chemicals in pesticides called xenoestrogens, which act like estrogens.

These compounds interact with the body's estrogen receptors, and may increase the risk of breast cancers, cause early and overdevelopment

Best Way to Filter Water

Water can be filtered by reverse osmosis, ceramic filtration, silver-impregnated filters, or multilayered filter systems, all of which have their advantages.

The big problem with most filters is that they do not remove fluoride. Reverse osmosis filters remove fluoride, but they have to be changed every three months because fluoride burns holes in the filter.

Based on my studies, the best way to purify water is to distill it. Some will say that distilling water removes the beneficial minerals, but these can either be taken as separate supplements or can be added to water later. And that, in fact, is what many manufacturers of bottled water do.

Distilling creates water with a neutral pH, kills all microorganisms, and removes fluoride as well as other harmful metals. The one problem is that the volatile chemicals are condensed in the final water container.

To solve this problem, the better distillers have a carbon filter to remove volatile gases during the condensation process.



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TECHNOLOGY

Monterey wrestles 'small cell' conundrum

Companies say they're the wave of the future, residents concerned with health risks

By Kimber Price

kprice@montereyherald.com

MONTEREY Tree-lined streets wind through the suburban Monterey Vista neighborhood, every other curve hosting a sign exclaiming "No cell towers."

In Via Piaraso Park, posted flyers show the proximity of the proposed cell phone antenna sites to the five schools in the

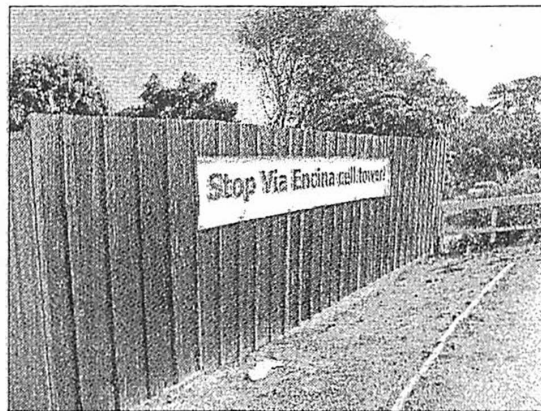
area. After two standing-room only meetings last year where residents aired complaints, further municipal meetings have been postponed or cancelled even as a rush of letters to local media protest the installation of these "next generation" cell phone towers.

Many Monterey residents continue to voice objection to the installation of 13 small cells -

standalone individual cellular transmission sites - in the Monterey Vista neighborhood, citing reasons such as fear of radiation effects and visual blight.

But ExteNet Systems, the company that has applied to install these cell sites, says this technology is needed to improve services and allow future expansion. And the Federal Communications Commission has ruled that the health risks associated with the cell sites are well within acceptable limits.

SMALL CELL» PAGE 4



A banner against the proposed cell towers hangs on a fence of a Via Encina home in Monterey.

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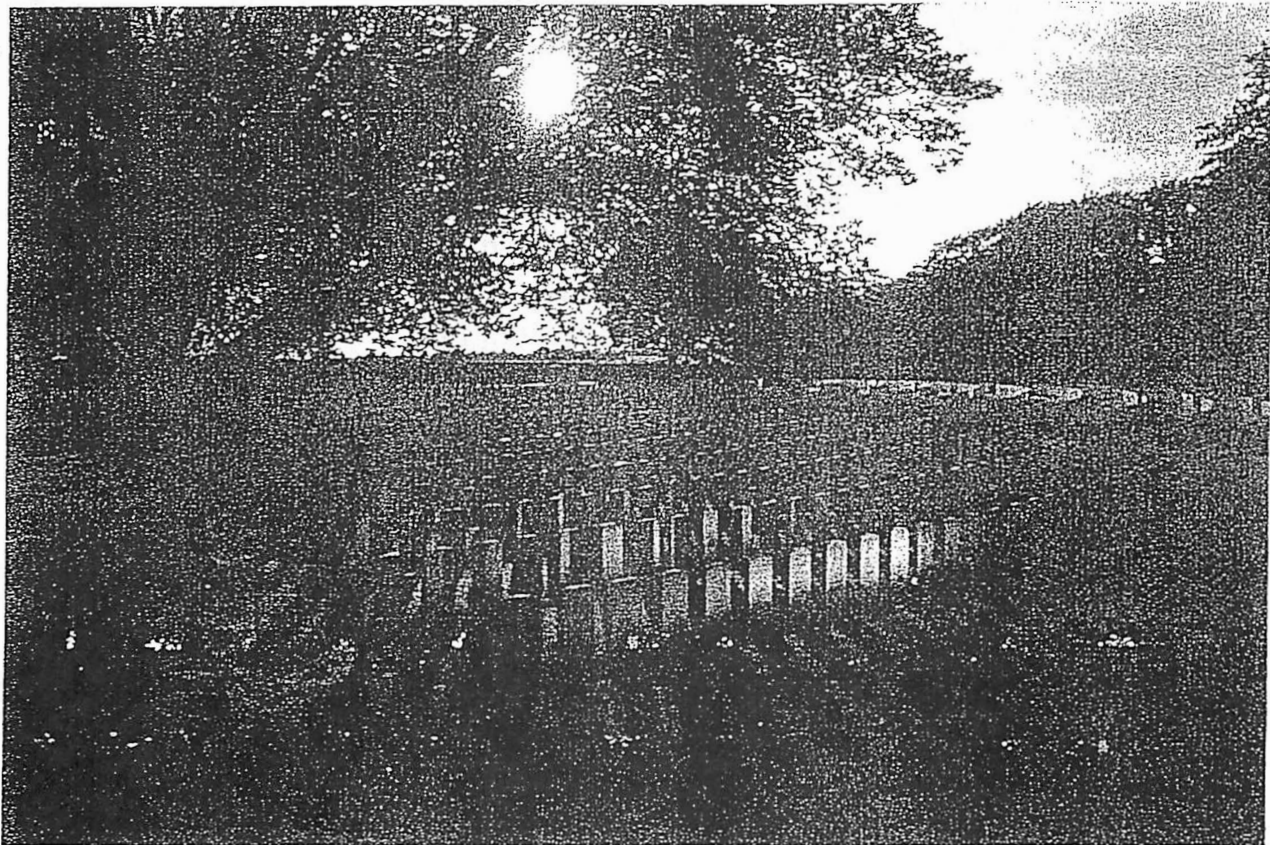
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https://www.fgate.com/news/article/California-legal-alter-cremation-alternative-burial-12285298.p9p

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California just made it legal to liquefy a corpse

By Annie Vainshtein Updated 3:41 pm PDT, Tuesday, October 17, 2017



Assemblyman Bill Quirk 510-583-AB 967

IMAGE 1 OF 42

YouTube: The cooking of Humanity

Water cremation, or alkaline hydrolysis, is an eco-friendly alternative to traditional forms of dealing with the dead, like burial or flame cremation.

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TOP O' THE BAY DAILY NEWSLETTER

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As early as 2020, Californians will be able to pursue a new option for end-of-life remains: water cremation.

On Sunday, Gov. Jerry Brown signed a controversial bill that's been making the rounds around the nation over the last several years. It makes it legal to dispose of human remains through a process commonly referred to

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World Mercury Project
for Agenda 21
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for Agenda 21

Bill would turn California utility poles into cell towers

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Most utility poles will become cell towers under Senate Bill 649. The bill strips municipal

elements of decision-making. Spaced approximately every 10-20 homes, cell antennas will hang in one or more clusters on utility or light poles. Equipment cabinets the size of refrigerators, with cooling fans and back-up generators, will sit on sidewalks. Towers will be located in the public right of way a few feet from bedroom windows, offices, schools, hospitals and nursing homes.

Called "small cells", there is little difference in size for many of these antennas; the chief difference is the location on utility poles versus large towers. Measurements of these cell towers recently taken in Palo Alto found high levels of radiation on the sidewalk below them - levels higher than those associated in research with breaches in the blood-brain barrier, free radical formation, DNA damage, cancer and tumors, and heart rhythm disturbances.

What the levels are inside buildings a few feet away and in line with the antennas is anyone's guess.

This 24/7 exposure of the most vulnerable, including children, is ignored by the California Legislature. This isn't surprising since Capitol Weekly named AT&T lobbyist Bill Devine the 16th most powerful person in Sacramento last year. CTIA - the wireless industry - is the listed source of SB 649. And the telecom industry hosts the Pro Tem Cup in San Diego and Speakers Cup in Pebble Beach - lavishly hush-hush lobbying and

Lo di around you and see the leaning, bo g. pol next to homes and buildings, hanging over streets and sidewalks. Malibu Mayor Andy Stern called these time bombs. Add more gear, multiply the number of poles packed, and what will be the result?

fundraising events for the California Senate and Assembly members. How many members of the public can afford to buy a politician?

SB 649 is effectively eminent domain, taking the public's right of way for another use. The public has not agreed to cell towers in their front yard, but the bill states this is not a municipal affair.

Remember the Malibu fires, where officials evacuated the city? This was caused by utility poles overloaded with telecommunications equipment - AT&T, Sprint, Verizon, and NextG.

Look around you and see the leaning, bowing poles next to homes and buildings, hanging over streets and sidewalks. Malibu Mayor Andy Stern called these time bombs. Add more gear, multiply the number of poles impacted, and what will be the result?

The FCC's website says there are no federal standards for microwave radiation exposure. FCC exposure guidelines were derived from industry, and there is no policing or compliance testing of cell towers. Many exceed federal limits according to two surveys. Once installed, you're stuck, and due to federal laws, every company has to be allowed access to a location, even if that means the

same pole and higher radiation levels.

Do you have a utility pole in your back yard or along your fence line? That utility easement on or through your property means they can put anything on that pole. Underfunded utilities in your neighborhood? New poles will be erected, or antennas will be mounted on homes. AT&T's new service agreement says you must agree to anything they want to install on or in your home (complain to the CPUC if you disagree).

Impacts to agriculture will be costly, with documented effects from microwave radiation to bees and other pollinators alarming international scientists. Industrial ag is already impacted by dying bees from other causes. Damage to trees and plants is also documented, but the Legislature ignores all of this and the costs to the public.

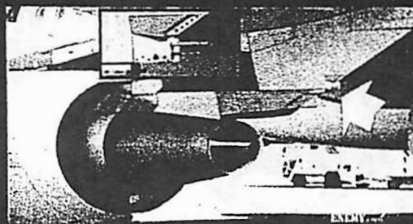
SB 649 is being rushed through the legislature before the public finds out. It has already passed the Senate. If you don't want cell towers next to your home and office, take action before it's too late.

Nina Beety is a writer and educator and member of the California EMF Society Committee. She lives in Moriterrey.

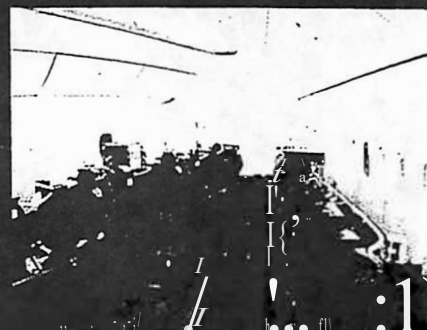
Oct 2014 Do you have cell phone must see you tube

ILLEGAL CLIMATE ENGINEERING OPERATIONS ARE BEING CARRIED OUT WITHOUT PUBLIC KNOWLEDGE OR CONSENT

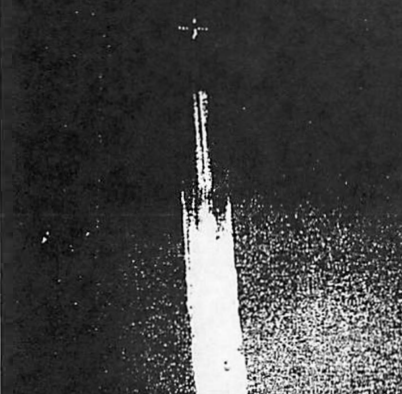
Government officials and Geoengineers have long since proposed spraying 10-20 MILLION TONS of highly toxic heavy metal and chemical aerosols into the atmosphere annually as a form of climate change mitigation. Though the blatantly obvious ongoing sun blocking "solar radiation management" programs are officially denied, all available data confirms full deployment of global geoengineering occurred decades ago with increasingly catastrophic consequences.



Military tanker jets are not the only aircraft involved with climate engineering operations. Countless commercial jet aircraft have now been retrofitted with spray nozzles aimed into the exhaust stream (though commercial carrier personnel do not appear to be directly involved with the geoengineering operations).



If you think there are only passengers in all commercial jet aircraft, think again. Commercial carrier personnel are not directly involved.



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Massive plumes of climate engineering particulates are being dispersed by jet aircraft all over the globe, this is not condensation.

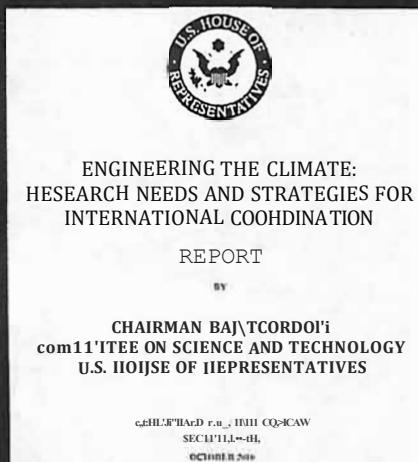
What are the known consequences of ongoing climate engineering operations?

GEOENGINEERING IS:

- further fueling the overall warming of our planet:
SRM actually causes less heat than is detected by SRM programs.
- Contributing to extreme drought, flooding, and storms:
(Global geoengineering has completely disrupted the planet's hydrological cycle and thus weather system, all over the world.
- Creating engineered cool-down zones and snow storms:
Engineered particulates are nucleation for weather modification are creating "artificial" weather, high, scenarios.
- Destroying the Earth's vital ozone layer:
Climate engineering particulates, and "ozone" depletion from atmospheric manipulation are depleting the ozone layer. This is all, wing extremely long-term, and is a global warming, and is a global warming, and is a global warming.
- Accelerating Forest devastation, die-off, and forest fire increases:
(Climate engineering particulates, extreme UV radiation, and the "ozone" depletion from atmospheric manipulation are accelerating forest devastation, die-off, and forest fire increases. This is all, wing extremely long-term, and is a global warming, and is a global warming, and is a global warming.
- Alarming honeybee die-off:
Pesticides, and the "ozone" depletion from atmospheric manipulation are killing honeybees. This is all, wing extremely long-term, and is a global warming, and is a global warming, and is a global warming.
- Radically accelerating human degenerative and neurological diseases:
(Climate engineering particulates, extreme UV radiation, and the "ozone" depletion from atmospheric manipulation are accelerating human degenerative and neurological diseases. This is all, wing extremely long-term, and is a global warming, and is a global warming, and is a global warming.
- Contributing to unprecedented species die-off:
(Climate engineering particulates, extreme UV radiation, and the "ozone" depletion from atmospheric manipulation are contributing to unprecedented species die-off. This is all, wing extremely long-term, and is a global warming, and is a global warming, and is a global warming.

HISTORICAL DOCUMENTS AND DATA PROVES THAT GLOBAL CLIMATE ENGINEERING PROGRAMS WERE FULLY DEPLOYED IMMEDIATELY AFTER WWII AND HAVE BEEN STEADILY RAMPED UP SINCE. NOT A SINGLE ENVIRONMENTAL OR HUMAN HEALTH IMPACT STUDY HAS EVER BEEN DONE TO DOCUMENT THE DEVASTATION BEING INFLICTED ON THE ENTIRE WEB OF LIFE FROM THE ONGOING ILLEGAL GEOENGINEERING ASSAULT.

Populations (and all life forms) around the world have been completely betrayed by the governments, agencies, and experts they have been trained to believe existed to protect them. The corporate media is also a primary accomplice in the ongoing climate engineering cover-up. Any and all entities / individuals that are in any way associated with the illegal geoengineering operations must be fully exposed. Once exposed, all such entities / individuals must be held legally and morally accountable for their part in the climate engineering atrocities.



Countless official documents exist which confirm the ongoing global climate engineering weather warfare assault. The congressional document shown is only one example.



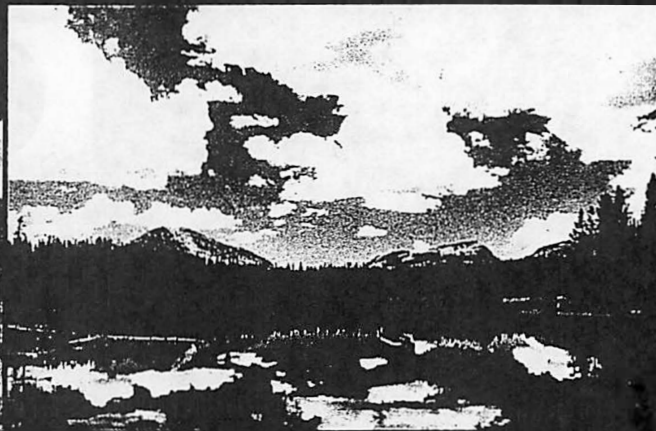
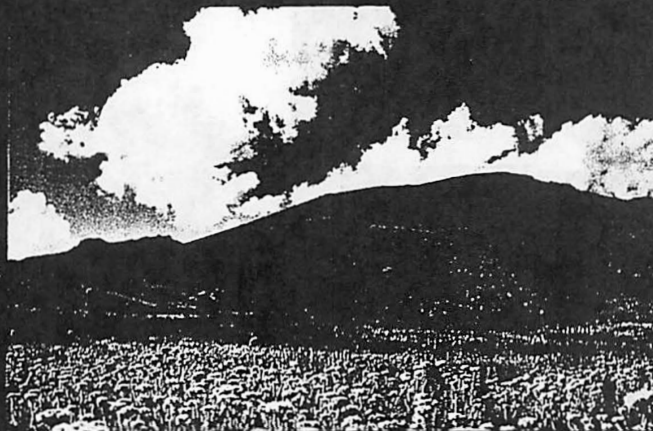
Investigate inarguable climate engineering facts and film footage at

GeoEngineeringWatch.org

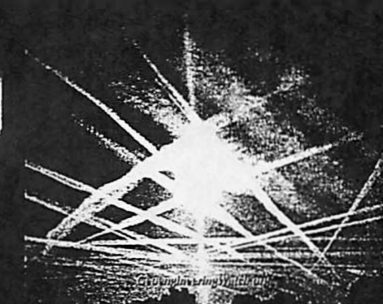
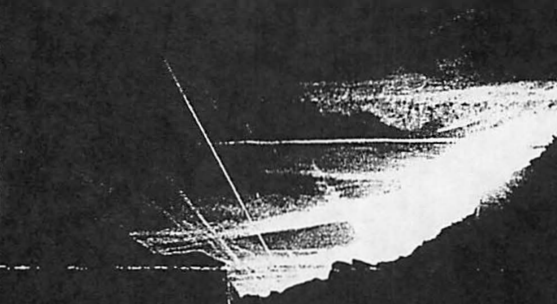
Please help us to expose and halt the ongoing climate engineering atrocities.

GLOBAL CLIMATE MODIFICATION PROGRAMS ARE THREATENING ALL LIFE ON EARTH

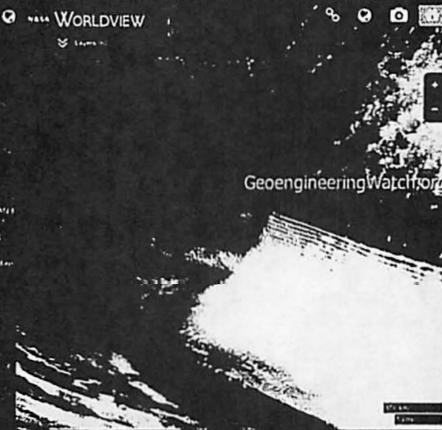
BEFORE: SKIES UNTAINTED BY CLIMATE ENGINEERING



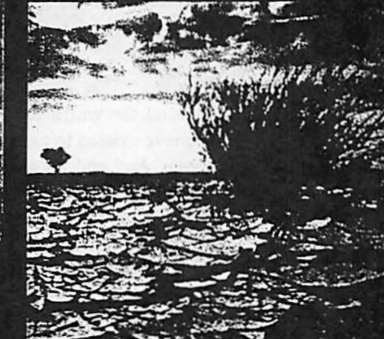
AFTER: SKIES CONTAMINATED BY SOLAR RADIATION MANAGEMENT



NASA satellite images clearly reveal microwave transmission manipulation of aerosolized clouds



Climate engineering is further fueling record drought, deluge and overall biosphere disintegration



1 ([http://www.facebook.com/ AlternativeHealthWorks](http://www.facebook.com/AlternativeHealthWorks)) 
 (<https://althealthworks.com/feed/>) 
 ([https://twitter.com/ AltHealthWORKS](https://twitter.com/AltHealthWORKS))

c 8 Foods You Never Knew Could Contribute Directly to the Formation of Cancer (<https://althealthworks.com/6105/8-foods-you-never-knew-could-contribute-directly-to-the-formation-of-cancer/>)

An Interview with Robert Schooler, the Student Who Took on Gates Foundation GMO Propaganda at Cornell (<https://althealthworks.com/16544/id-love-a-meeting-wlth-blll-gates-an-interview-with-robert-schooler-the-student-who-took-on-gmo-propaganda-at-cornell-university/>) »

Harvard Researchers Begin Work on Bill Gates-Funded Project to Block Out the Sun with Geoengineering

by Nick Meyer (<https://althealthworks.com/author/nick-meyer/>) | December 18, 2018
 (<https://althealthworks.com/date/2018/12/>)

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As the World continues to unravel with the consequences of an ever-changing planet, scientists have continued to work on projects aimed at mitigating the effects of climate change.

The most controversial
geoengineering, a technique that involves

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