



BOARD MEETING AGENDA
Monday, August 12, 2013
Regular Meeting - 7:00 P.M.

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Richard B. Currie
*General Manager/
District Engineer*

David M. O'Hara
Attorney

1. Call to Order

2. Pledge of Allegiance

3. Roll Call

Motion

4. Minutes of the July 22, 2013 Regular Board Meeting
Motion approving the Minutes of July 22, 2013 as submitted.

5. Written Communications

6. Oral Communications

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

Motion

7. Approving Content Changes to the District Website (to be reviewed by the Legal/Community Affairs Committee).

INFORMATION ITEMS

8. Board Of Directors Quarterly Expenditures, 4th Quarter FY13 (to be reviewed by the Budget & Finance Committee).

9. Annual Reporting of Expense Reimbursements Over \$100. (to be reviewed by the Budget & Finance Committee).

10. Legislative Update for August (to be reviewed by the Legislative Committee).

11. Employee Turnover Rate for 2013 (to be reviewed by the Personnel Committee).

12. Check Register

-
13. Committee Meeting Reports *(No Board action is taken at Committee meetings):*
- Personnel, Tuesday, August 6, 2013 at 4:30 p.m.
 - Legal/Community Affairs, Wednesday, August 7, 2013 at 4:30 p.m.
 - Budget & Finance, Wednesday, August 7, 2013 at 5:00 p.m.
 - Legislative, Thursday, August 8, 2013 at 5:00 p.m.
-
14. General Manager's Report *(information on recent issues of interest to the Board).*
-
15. Other Business:
- Comments and questions. Directors can share information relating to District business and are welcome to request information from staff.
 - Scheduling matters for future consideration.
-
16. Adjournment – The Board will adjourn to a Closed Session to discuss Real Property Negotiations regarding expanding the current sanitary sewer easement across 37266 Niles Boulevard, Fremont. (California Government Code section 54956.8). Negotiating parties for Union Sanitary District will be Richard B. Currie, Jesse Gill and Rollie Arbolante.

The Board will then adjourn to the next Regular Board Meeting on August 26, 2013 at 7:00 p.m.

The Public is welcome to provide oral comments at Regular and Special Board meetings. Whenever possible, we request that written statements be provided to the District at least one working day prior to the meeting. If the subject relates to an agenda item, the speaker should address the Board at the time the item is considered. If the subject is within the Board's jurisdiction but not on the agenda, the speaker will be heard at the time "Oral Communications" is scheduled. Oral Communications is limited to three minutes per individual, with a maximum of 30 minutes per subject. Speaker's cards are available in the Boardroom and should be completed prior to discussion of the agenda item and handed to the Clerk. The facilities at the District Offices are wheelchair accessible. Any attendee requiring other special accommodations at the meeting should contact the General Manager's office at (510) 477-7503 at least one working day ahead of the meeting.

THE PUBLIC IS WELCOME TO ATTEND.



5072 Benson Road
Union City, CA 94587
(510) 477-7500

NOTICE OF COMMITTEE MEETING

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

**BOARD MEETING
August 12, 2013**

Committee Membership:

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

Personnel Committee, Tuesday, August 6, 2013 at 4:30 p.m.

11. Employee Turnover Rate for 2013
-

Legal/Community Affairs Committee, Wednesday, August 7, 2013 at 4:30 p.m.

7. Approving Content Changes to the District Website
-

Budget & Finance Committee, Wednesday, August 7, 2013 at 5:00 p.m.

8. Board Of Directors Quarterly Expenditures, 4th Quarter FY13
 9. Annual Reporting of Expense Reimbursements Over \$100.
-

Legislative Committee, Thursday, August 8, 2013 at 5:00 p.m.

10. Legislative Update for August

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

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

**MINUTES OF THE MEETING OF THE
BOARD OF DIRECTORS OF
UNION SANITARY DISTRICT
July 22, 2013**

1. CALL TO ORDER

President Lathi called the Board to Order at 7:00 p.m.

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL

PRESENT: Manny Fernandez, Vice President
Tom Handley, Director
Pat Kite, Director
Anjali Lathi, President
Jennifer Toy, Treasurer (arrived 7:03 p.m.)

ABSENT: None

STAFF: Rich Currie, General Manager
Ed McCormick, Deputy General Manager
Rich Cortes, Manager, Business Services
Sami Ghossain, Coach, Capital Improvements Projects
Tim Grillo, Coach, Research and Support
Dave Livingston, Manager, Treatment & Disposal Services
Andy Morrison, Manager, Collection Services
Michelle Powell, Communications Coordinator
Maria Scott, Principal Financial Analyst
Robert Simonich, Manager, Fabrication, Maintenance & Construction
David O'Hara, Legal Counsel
Tom Graves, Assistant to the General Manager/Board Secretary

CONSULTANTS: None

VISITORS: None

4. APPROVAL OF THE MINUTES OF July 8, 2013

Action

On a motion made by Director Kite and seconded by Director Fernandez, the Minutes of the Board of Directors Meeting of July 8, 2013 were approved. The motion carried unanimously (Director Toy absent).

5. **WRITTEN COMMUNICATIONS**

There were no official written communications.

6. **ORAL COMMUNICATIONS**

There were no oral communications.

7. **MONTHLY OPERATIONS REPORT FOR JUNE, 2013**

GM Summary

General Manager Currie reported briefly on odor complaints. There have been a total of four complaints this month while three appear unrelated to USD operations, one was related to the treatment plant. sTAFF is working diligently to find the source(s) of the odors. The resident making the complaints was invited to tour the facility, but cancelled just before the tour was to begin. A subsequent tour has yet to be scheduled.

The pipe failure in Newark at Cedar and Thornton was quickly diagnosed and quickly repaired. Staff, the contractor and the City of Newark all did a great job, completing the work on a Saturday.

The GM and staff met with East Bay Regional Parks District staff to discuss next steps a Hayward Marsh. USD has now stepped up to take the lead, and the Executive Team is working with the Regional Water Board to determine a roadmap for moving forward.

Regarding Hours Worked for June, Hours Worked per Employee has stayed the same, while Sick Leave Hours continue on the downward trend.

Director Handley asked about the source of the Notice of Violation (NOV) from Cellotape. Staff will check into this.

Financials

Maria Scott presented the Financial Report. The Board had no questions. Mr. Currie inquired if the PERS earnings report of 12.5% included the Retiree Medical Fund as well, and Ms. Scott replied that the 12.5% was for PERS overall.

Director Lathi inquired about the increase in the “age of work orders completed”. Robert Simonich said as work order backlog was addressed, they are focused on completing some of the older items, which temporarily increases the age.

Director Handley inquired about the relatively low number of dental inspections, and Sami Ghossain replied that the initial numbers were higher, but have now been reduced by design.

President Lathi welcomed Deputy General Manager Ed McCormick to his first Board meeting as the Deputy GM, and other members of the Board joined her.

8. **AWARDING THE CONSTRUCTION CONTRACT FOR THE HAYWARD MARSH PIPELINE REHABILITATION PROJECT TO MCGUIRE AND HESTER**

Sami Ghossain made a brief presentation about the pipeline leak at Hayward Marsh. There were no questions from the board.

Action

On a motion made by Director Kite and seconded by Director Fernandez, the Board awarded the Construction Contract for the Hayward Marsh Pipeline Rehabilitation Project to McGuire and Hester in the amount of \$115, 451. The motion carried unanimously.

9. **AUTHORIZING THE GENERAL MANAGER TO EXECUTE AN AGREEMENT AND TASK ORDER NO. 1 WITH WEST YOST ASSOCIATES FOR THE DESIGN OF THE UPPER HETCH HETCHY CORRIDOR SANITARY SEWER REHABILITATION PROJECT**

The Newark Basin Master Plan update, completed by RMC Water & Environment in December of 2012, identified the Upper Hetch Hetchy Corridor trunk sewer as having high critical ratings due to Hydrogen Sulfide (H₂S) corrosion. These sewers were installed in the late 1950's and early 1960's using reinforced concrete pipe (RCP) that is highly susceptible to corrosion. Staff has reviewed television inspections performed by Collection Services and confirmed that there is extensive corrosion in this RCP trunk sewer that requires immediate rehabilitation. The design will include lining of the sewer, similar to others in the area.

Action

On a motion made by Director Handley and seconded by Director Fernandez, the Board authorized the General Manager to execute an Agreement and Task Order No. 1 with West Yost Associates for the design of the Upper Hetch Hetchy Corridor Sanitary Sewer Rehabilitation Project. The motion carried unanimously.

10. **RESOLUTION NO. 2713, AUTHORIZING STAFF TO SPECIFY JWC ENVIRONMENTAL MUFFIN MONSTER IN-LINE GRINDERS EXCLUSIVELY FOR THE THICKENER CONTROL BUILDING IMPROVEMENTS PROJECTS**

Sami Ghossain made the presentation. There were no questions from the board.

Action

On a motion made by Director Kite and seconded by Director Toy, the Board adopted Resolution No. 2713, authorizing staff to specify JWC Environmental Muffin Monster In-Line Grinders exclusively for the Thickener Control Building Improvements Projects. The motion carried unanimously.

10.1 ELECTION OF REPRESENTATIVE TO THE CSDA BOARD OF DIRECTORS FOR REGION 3, SEAT B

Action

On a motion made by Director Kite and seconded by Director Fernandez, the Board endorsed Sherry Sterrett as the Region 3, Seat B Representative on the CSDA Board of Directors. The motion carried unanimously.

INFORMATION ITEMS

11. BOARD STANDING COMMITTEE ASSIGNMENTS FOR FY14

President Lathi announced the new Standing Committee assignments for FY14, as follows:

Budget & Finance: Directors Kite and Toy, Director Lathi Alternate
Construction: Directors Handley and Fernandez, Director Kite Alternate
Legal/Comm. Affairs: Directors Lathi and Handley, Director Fernandez Alternate
Legislative: Directors Kite and Lathi, Director Handley Alternate
Personnel: Directors Fernandez and Toy, Director Lathi Alternate
Audit: Directors Handley and Toy, Director Fernandez Alternate

Mr. Currie pointed out that the Audit Committee is not an *ad hoc* committee, and will be included in the list of available committee assignments for Directors next year. Director Lathi suggested that on the form to express choices for Committees that there be “yes/no” check boxes to indicate interest in serving on the Audit Committee.

12. CAL-CARD QUARTERLY ACTIVITY REPORT

Rich Cortes presented the report. The Board had no questions.

13. STATUS REPORT ON THE COMPUTER PURCHASE AND STUDENT LOAN PROGRAM

Rich Cortes presented the report. He indicated that we are getting close to using the full amount of available funds. Staff will monitor closely. The Board had no questions.

14. STATUS OF PRIORITY 1 CIP PROJECTS AT THE END OF FY13

Sami Ghossain reported that the Board approved 24 CIP construction projects for FY13 for a total of \$13.61M. There are currently eleven projects ranked as Priority 1, and thirteen projects ranked as Priority II. At the end of the 4th quarter of FY13, out of the eleven Priority I projects identified, the CIP team met all the milestones established for ten out of the eleven Priority I projects. The only project that was delayed was the Boyce Road Lift Station. However, this project was substantially completed in FY 13. Sami recognized the CIP Team and Operating Groups for the outstanding efforts in completing these difficult projects. The Board acknowledged the efforts and thanked the staff.

15. SOLAR FACILITIES OPERATIONAL UPDATE

Sami Ghossain reported that the District completed construction of the Solar Carport facility located at the Alvarado Wastewater Treatment Plant at a cost of \$884,000 and began operation in September 2011. The system consists of 637 solar panels and is rated at 125 kilowatt (kW)

The District also completed construction of the solar facility located at the Irvington Pump Station at a cost of \$2.85 million and began operation in April 2012. The system consists of 1,680 solar panels and is rated at 408 kW.

Combined, the two facilities have generated over \$410,000 in energy, and over \$230,000 has been recovered from PG&E in incentive rebates.

Director Fernandez asked if the District is setting funds aside in expectation of the eventual end-of-life cycle of the panels. Rich Currie said that other sources and technologies may be available by that time, so no determination has been made yet to do so.

16. CHECK REGISTER

Director Handley noticed payments to Verizon Wireless on both page 5 and page 7 of the report, and suggested that it might be possible for the District to combine bills and accounts with Verizon, so that minutes are combined as well, thus avoiding overcharges. Rich Cortes said he would look into the possibility of doing so.

17. REPORT FROM THE EAST BAY DISCHARGERS AUTHORITY MEETING OF JULY 18, 2013

Director Handley presented the report.

18. COMMITTEE MEETING REPORTS

The following committees met: Budget & Finance and Construction.

19. GENERAL MANAGER'S REPORT

General Manager Rich Currie said that Deputy GM Ed McCormick started his first day at 7:00 a.m. this morning, so the first day has been a long one.

The District received an unexpected but welcome certificate from Assemblymember Wieckowski, congratulating Collections Services Worker Jose Rodrigues on being named, "Collections System Worker of the Year".

There was a 1900 gallon spill on Mission Boulevard, which was entirely contained and recovered. This ended the prior 13 months of being spill-free.

As stated earlier, the District has met with the Regional Water Board staff on the Hayward Marsh rehabilitation plan. Board representatives have asked us to have a plan in place by the end of our permit cycle, which expires in April of 2016.

Several emails have been received from a member of the public who is critical of the lack of information available on our website. He has made a number of suggestions, and many of them are fairly simple to implement. By consensus, Boardmembers agreed that President Lathi would be the appropriate individual to respond on behalf of the Board.

Director Handley said this issue points up the need to decide on Board email addresses and business cards, and that issue will be scheduled for the next Board meeting agenda.

20. OTHER BUSINESS

Director Kite said that she and Director Fernandez attended the CSDA meeting at Washington Hospital.

21. ADJOURNMENT

At 7:47 p.m., the Board adjourned to the next Regular Board Meeting on Monday, August 12, 2013 at 7:00 p.m. in the Boardroom.

SUBMITTED:

ATTEST:

TOM GRAVES
SECRETARY TO THE BOARD

JENNIFER TOY
SECRETARY

APPROVED:

ANJALI LATHI
PRESIDENT

Adopted this 12th day of August, 2013.



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Richard Currie
*General Manager/District
Engineer*

David M. O'Hara
Attorney

DATE: August 2, 2013

MEMO TO: Board of Directors - Union Sanitary District

FROM: Richard B. Currie, General Manager/District Engineer

SUBJECT: Agenda Item No. 7 - Meeting of August 12, 2013
APPROVING CONTENT CHANGES TO THE DISTRICT WEBSITE

Recommendation

Determine what additional information is appropriate to include on the District's web site.

Background

The USD web site provides information to customers and other interested persons on environmental programs, capital projects, employment opportunities, general information and history, reporting odors and obtaining permits. We also provide summary level information on revenues and expenditures and biographical information on Board members as well as the current Board agenda.

USD staff has included in our Strategic Plan for FY14-16, a project to make improvements to the web site. This will include evaluating new formats for the web pages as well as expanded content.

Recent changes have included adding more information about the Board of Directors, including an explanation of the District Wards, the election process, filling of vacancies, and how to contact Board members. We have also expanded the section on making public records requests.

Staff is also considering providing more details on financial information, historical board agenda packets, USD organization and contact information, the Publicly Available Pay Schedule, and Board committee meetings.

Staff will present options to the Legal and Community Affairs Committee who may make recommendations to the full Board.

BOARD OF DIRECTORS
QUARTERLY EXPENDITURE REPORT
4TH QTR, FISCAL YEAR 2013

Board Members	Description	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Beginning Balance	Y-T-D Expense	Balance Available
FERNANDEZ, MANNY	State of the State Luncheon and Forum ACSDA Annual Banquet			42.00 59.00				
TOTAL		0.00	0.00	101.00	0.00	5000.00	101.00	4899.00
HANDLEY, TOM	State of the State Luncheon and Forum ACSDA Annual Banquet Fremont Chamber of Commerce, 2013 State of the City CASA Spring Conference 2013, Vehicle Rental CASA Spring Conference 2013, Registration CASA Spring Conference 2013, Lodging, Meals, Mileage & Airfare			42.00 59.00	42.00 75.62 425.00 787.77			
TOTAL		0.00	0.00	101.00	1,330.39	5000.00	1,431.39	3568.61
HARRISON, JENNIFER	State of the State Luncheon and Forum Fremont Chamber of Commerce, 2013 State of the City			42.00	42.00			
TOTAL		0.00	0.00	42.00	42.00	5000.00	84.00	4916.00
KITE, PAT	State of the State Luncheon and Forum ACSDA Annual Banquet Newark Chamber of Commerce, 2013 State of the City			42.00 59.00	35.00			
TOTAL		0.00	0.00	101.00	35.00	5000.00	136.00	4864.00
LATHI, ANJALI	CWEA Conference, Napa: Mileage & Tips CWEA Conference, Napa: Registration, Lodging & Meals			93.36	984.78			
TOTAL		0.00	0.00	93.36	984.78	5000.00	1,078.14	3921.86
GRAND TOTAL		0.00	0.00	438.36	2,392.17	25000.00	2,830.53	22169.47

The Board of Directors' Quarterly Expenditure Report is attached as part of the check register in accordance with Board Member Business Expense policy adopted September 5, 1991

Monday, Mar 11, 2013



- Home
- About Us
- Member Benefits
- Business Directory
- Events
- Government Affairs
- Community
- Newsletters
- Green Business

Thank you for your reservation! We look forward to seeing you at the 2013 State of the City.

Payment Summary

Cardholder: Rich Currie
 Credit Card Used: XXXXXXXXXX
 Card Expires 2015/05
 Payment of \$126.00

Guest Name	Due
Rich Currie	regular lunch \$42.00
Jennifer Toy	regular lunch \$42.00
Tom Handley	regular lunch \$42.00
Total:	\$126.00



Consolidated Inv. #
 Rental Agreement #
 Bill Ref #
 Invoice Date

153658
 133811523
 90046005257
 30-Apr-2013

Bill To Information

UNION SANITARY DISTRICT
 5072 BENSON ROAD
 UNION CITY, CA - 94587

Rental Information

Reservation Number : 137654943
 Driver : HANDLEY, TOM
 Pickup Date/Time : 04/24/2013 18:00
 Return Date/Time : 04/26/2013 12:43
 Miles/kms : 18
 Car Class : ICAR Requested Class : ICAR

Vehicle Information

Yr/Make/Model	VIN	License No	Beg/End/Distance
2013/MAZDA/MAZ	D1711197	6YAM221	11183/11201/18

Rental Branch

JOHN WAYNE ARPT
 18601 AIRPORT WAY
 SANTA ANA, CA - 92707-5200

Return Branch

JOHN WAYNE ARPT
 18601 AIRPORT WAY
 SANTA ANA, CA-92707-5200

Charge Detail

Description	Qty	Period	Rate	Amount
TIME & DISTANCE	2	DAY	30.78	61.56
			Sub Total	61.56
CONCESSION FEE RECOVERY 11.11 PCT		PERCENT	11.11	6.84
TOURISM FEE 2.85 PCT		PERCENT	2.85	1.75
SALES TAX		PERCENT	8.00	5.47

Total Charges (USD) 75.62

PAID (Stamp)



RECEIVED

MAY 13 2013

ACCOUNTS PAYABLE

5/15/13 done

Remit Payment in USD to	For Billing Inquiries	Payment Terms
EAN SERVICES, LLC PO BOX 402383 ATLANTA, GA 30384-2383	Tel#:(877) 530-6141 ARADMIN@EHI.COM	Payment Due Within 30 days of Invoice date. Late payments are subject to finance charge.

Individual line item charges such as rental rates for Time and Distance, percentage-based charges (e.g., sales taxes and fees or surcharges), and charges divided between multiple parties may be rounded up or down a whole cent to ensure that the charges equal the actual Total Amount Due and/or to avoid fractional cents.

Re: CASA Spring Conference 2013 Form Submitted

Friday, April 12, 2013
3:13 PM

Subject	Re: CASA Spring Conference 2013 Form Submitted
From	Tom Graves
To	Rich Currie
Sent	Thursday, April 11, 2013 1:17 PM

Good. Thank you.

T

Sent from my iPad. Expect typos.

On Apr 11, 2013, at 12:29 PM, "Rich Currie" <rich_currie@unionsanitary.com> wrote:

- > Tom, I just received this from CASA
- >
- > -----Original Message-----
- > From: cs2@memberclicks-mail.net [mailto:cs2@memberclicks-mail.net] On
- > Behalf Of C A S A
- > Sent: Thursday, April 11, 2013 11:38 AM
- > To: Rich Currie
- > Subject: CASA Spring Conference 2013 Form Submitted
- >
- > CASA has received your registration for the 2013 Spring Conference, April 24 - 26,
- > 2013 at the Marriott Newport Beach Hotel, Newport Beach. Below is the confirmation
- > information and receipt.
- >
- >
- > Receipt amount: \$425.00
- > Date: 04/11/2013 14:37:50
- > ID Code: 6081515 Transaction ID: VSYEA66B95DF Payment method:Credit
- > Card Credit Card type: Visa
- >
- > Delegates:
- > Union Sanitary District
- > Rich Currie
- > Tom Handley Conf. Registration
- >
- > Guests attending conference functions:
- >
- >
- >
- >
- > Thank you,
- > CASA Office
- > PH: (916) 446-0388

EXPENSE/PAYMENT REQUEST FORM

1. Requested by: Tom Handley

Date Needed: 6/10/2013

What type of payment are you requesting?

- Prepayment A payment that is made in advance (seminars, memberships, permits, etc). Attach supporting documents.
 Reimbursement A payment that is for items already purchased. Receipts must be attached for all expenses.

2. Make check payable to: Tom Handley

Return Check to:

Mail to Address: ██████████

Fremont, CA 94539

3. Description of Expense: CASA Conference

Event Dates: From: 2013-04-24

To: 2013-04-26

Self Park 2-days @ 12.00=\$24.00 ✓/

Enterprise Rent a car - Direct Bill \$75.62 (not listed below) ✓

Park N Fly Oakland \$37.01 ✓

4. Purpose of Expense

Account to Charge

Amount

<input type="checkbox"/> Registration		
<input type="checkbox"/> Membership		
<input type="checkbox"/> Subscription		
<input type="checkbox"/> Permit		
<input type="checkbox"/> Award or Recognition (Complete Section 6 on back)		
<input type="checkbox"/> Meal for Group or Individual (Complete Section 7 on back)		
<input type="checkbox"/> Other (Describe above)		

RECEIVED

ACCOUNTS PAYABLE

5. Travel Related Expense

<input checked="" type="checkbox"/> Lodging	30-160 - 5220-106	423.86
<input type="checkbox"/> Travel Advance (Max of \$75 per day)	100-1460	
<input checked="" type="checkbox"/> Meals (Complete Section 8 on back)		40.00
<input checked="" type="checkbox"/> Mileage (Complete Section 9 on back)		26.00
<input checked="" type="checkbox"/> Airfare	Board	239.90
<input type="checkbox"/> Car Rental		
<input type="checkbox"/> Taxi/Shuttle		
<input checked="" type="checkbox"/> Misc. Travel Expenses (Describe above)	✓	61.01
Total Payment:		790.77

Requestor's Signature: Tom Handley

Date: 6-3-13

Approver's Signature: Richard B. Linn

Date: 6-5-13

Tom Handley

From: Southwest Airlines <SouthwestAirlines@luv.southwest.com>
Sent: Thursday, April 25, 2013 9:29 PM
To: Tom Handley
Subject: Southwest Airlines Confirmation-HANDLEY/THOMAS RICHARD-Confirmation: GBKEV5



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[Check In Online](#) | [Check Flight Status](#) | [Change Flight](#) | [Special Offers](#) | [Hotel Deals](#) | [Car Deals](#)

Ready for takeoff!



Thanks for choosing Southwest for your trip! You'll find everything you need to know about your reservation below. Happy travels!



AIR Itinerary



AIR Confirmation: GBKEV5

Confirmation Date: 04/25/2013

Find a Hotel
See ratings, photos and rates for over 40,000 hotels.

[Book a Hotel](#)

Passenger(s)	Rapid Rewards #	Ticket #	Expiration	Est. Points Earned
HANDLEY/THOMAS RICHARD	[REDACTED]	5262125075627	Apr 13, 2014	2712

Date	Flight	Departure/Arrival
Fri Apr 26	3777	Depart ORANGE COUNTY CA (SNA) on Southwest Airlines at 3:45 PM Arrive in OAKLAND CA (OAK) at 5:10 PM View Flight Details Business Select



Put Some Wheels
Explore your destination on the perfect set of wheels.

[Rent a Car](#)

What you need to know to travel:

- Don't forget to check in for your flight(s) 24 hours before your trip on southwest.com or your mobile device. This will secure your boarding position on your flights.
- Southwest Airlines does not have assigned seats, so you can choose your seat when you board the plane. You will be assigned a boarding position based on your checkin time. The earlier you check in, within 24 hours of your flight, the earlier you get to board.

Air Cost: 258.00

Carry-on Items: 1 Bag + small personal item are free see full details. Checked Items: First and second bags are free, size and weight limits apply.

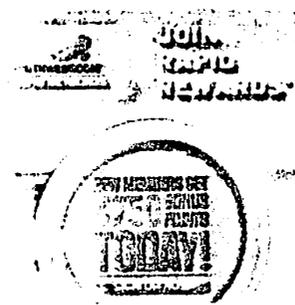
Fare Rule(s): 5262125075627: NONTRANSFERABLE.

Valid only on Southwest Airlines. All travel involving funds from this Confirmation Number must be completed by the expiration date. Unused travel funds may only be applied toward the purchase of future travel for the individual named on the ticket. Any changes to this itinerary may result in a fare increase.

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Important Check-In Reminder

Be sure to arrive at the departure gate with your boarding pass at least 10 minutes before your scheduled departure time. Otherwise, your reserved space may be cancelled and you won't be eligible for denied booking compensation.



[Go to Boarding School](#)

CHECK-IN

[Get Early Bird](#)
[Check-in Details](#)

Cost and Payment Summary

AIR - GBKEV5		
Base Fare	\$ 210.24	Payment Information
Excise Taxes	\$ 15.76	Payment Type: Ticket Exchange
Segment Fee	\$ 3.90	Date: Apr 25, 2013
Passenger Facility Charge	\$ 4.50	Payment Amount: \$236.90
September 11th Security Fee	\$ 2.50	
Total Air Cost	\$ 236.90	Tkts funds remaining in conf#GBKEV5 for future travel \$2.00

Exchange Detail

Apr 13, 2013 From ticket # 5262121989937 to ticket # 5262125075627

Flight Status Alerts

Stay on your way with flight departure or arrival status via text message or email.

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Useful Tools

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- [Early Bird Check-In](#)
- [View/Share Itinerary](#)
- [Change Air Reservation](#)
- [Cancel Air Reservation](#)
- [Track Flight Status](#)
- [Flight Status Notification](#)
- [Book a Car](#)
- [Book a Hotel](#)

Know Before You Go

- [Airport Alerts](#)
- [Baggage Policies](#)
- [Suggested Airport Arrival Times](#)
- [Security Procedures](#)
- [Customers of Size](#)
- [On the Air](#)
- [Purchasing and Refunds](#)

Special Travel Needs

- [Traveling with Children](#)
- [Traveling with Pets](#)
- [Unaccompanied Minors](#)
- [Baby on Board](#)
- [Customers with Disabilities](#)



300 Newport Center Drive, Newport Beach, CA 92260 • 949.640.4000 • Marriott.com/LAXNB

GUEST FOLIO

286 HANDLEY/TOM 189.00 04/26/13 12:00 23690 18448
 Room Name Rate Depart Time ACCT# GROUP
 NSKN UNION SANITARY DISTR 04/24/13 16:57
 Type Time
 39

MRW#: [REDACTED]

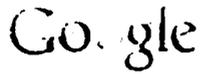
Room Clerk	Address	Payment			
DATE	REFERENCE	CHARGE	CREDITS	BALANCE DUE	
04/24	SAMHARRY 6325 286	58.76	340 USD only		2% no detailed receipt
04/24	ROOM 286, 1	189.00			
04/24	RM TX 286, 1	18.90			
04/24	CA FEE 286, 1	.25			
04/24	NPB FEE 286, 1	3.78			
04/24	SELF PRK SELFS/R	12.00			
04/25	TELECOMM WFB	12.95			
04/25	SELF PRK SELFS/R	12.00			
04/25	ROOM 286, 1	189.00			
04/25	RM TX 286, 1	18.90			
04/25	CA FEE 286, 1	.25			
04/25	NPB FEE 286, 1	3.78			
04/26	AX CARD			\$519.57	

TO BE SETTLED TO: [REDACTED] CURRENT BALANCE .00

THANK YOU FOR CHOOSING MARRIOTT! TO EXPEDITE YOUR CHECK-OUT, PLEASE DIAL EXTENSION 6800, OR PRESS "MENU" ON YOUR TV REMOTE CONTROL TO ACCESS VIDEO CHECK-OUT.

AS REQUESTED, A FINAL COPY OF YOUR BILL WILL BE EMAILED TO: [REDACTED] SEE "INTERNET PRIVACY STATEMENT" ON MARRIOTT.COM

Your Rewards points/miles earned on your eligible earnings will be credited to your account. Check your Rewards Account Statement for updated activity.



Directions to ██████████ Fremont, CA 94539
51.1 mi - about 58 mins

A ██████████ Fremont, CA 94539

- 1. Head northeast on Bennis Terrace toward Fernald St
Restricted usage road go 85 ft
total 85 ft
- 2. Turn left onto Fernald St go 305 ft
total 390 ft
- 3. Turn left onto E Warren Ave
About 2 mins go 0.7 mi
total 0.8 mi
- 4. Turn left onto the Interstate 880 N ramp
About 1 min go 0.4 mi
total 1.1 mi
- 5. Merge onto I-880 N
About 21 mins go 21.9 mi
total 23.1 mi
- 6. Take the 98th Avenue exit toward Oakland Airport
About 54 secs go 0.3 mi
total 23.3 mi
- 7. Turn left onto 98th Ave
About 2 mins go 0.9 mi
total 24.2 mi
- 8. Continue onto Airport Dr go 0.3 mi
total 24.5 mi
- 9. Slight left to stay on Airport Dr
About 1 min go 0.9 mi
total 25.5 mi
- 10. Keep right to stay on Airport Dr
Destination will be on the right go 489 ft
total 25.6 mi

██████████ total: 25.6 mi - about 30 mins

B Oakland International Airport
1 Airport Access Rd, Oakland, CA 94621

- 11. Head southeast on Airport Dr
About 2 mins go 1.3 mi
total 1.3 mi
- 12. Continue onto 98th Ave
About 2 mins go 0.9 mi
total 2.2 mi
- 13. Slight right to merge onto I-880 S toward San Jose
About 21 mins go 22.1 mi
total 24.2 mi
- 14. Take the Warren Ave/Mission Blvd exit toward Interstate 680
go 0.1 mi
total 24.3 mi
- 15. Keep right at the fork, follow signs for Warren Avenue
go 0.2 mi
total 24.5 mi
- 16. Turn left onto Warren Ave
About 3 mins go 0.9 mi
total 25.4 mi
- 17. Turn right onto Fernald St
go 305 ft
total 25.5 mi
- 18. Turn right onto Bennis Terrace
Restricted usage road go 85 ft
total 25.5 mi

Total: 25.5 mi - about 29 mins

C ██████████ Fremont, CA 94539

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

Map data © 2013 Google

Directions weren't right? Please find your route on maps.google.com and click "Report a problem" at the bottom left.

NEWARK CHAMBER OF COMMERCE Customer Receipt/Purchase Confirmation

Tuesday, March 26, 2013
3:57 PM

Subject	NEWARK CHAMBER OF COMMERCE Customer Receipt/Purchase Confirmation
From	<u>Linda Ashley</u>
To	Tom Graves
Sent	Tuesday, March 26, 2013 3:55 PM

Thank you for your order!

Merchant: NEWARK CHAMBER OF COMMERCE

Description: For Pat Kite

Billing Information

Tom Graves
Union Sanitary Dist.
5072 Benson Rd.
Union City, CA 94587
tom_graves@unionsanitary.com

Shipping Information

Total: US \$35.00

Date/Time: 26-Mar-2013 15:55:00 PDT

Transaction ID: 5114756446



**California
Water
Environment
Association**

Invoice

Name: Anjali Lathl
Union Sanitary District
5072 Benson Road
Union City, CA 94587
United States of America

Statement Date: 2/22/2013
Registration Id: 135819

Meeting: P3S2013 - P3S Napa

Name/Session	Date	Time	Attending	Fee
Anjali Lathl - NonMember Tues/Wed				525.00
Tuesday Lunch	2/26/2013	12:10 PM	1	0.00
Signature Event	2/26/2013	6:00 PM	1	0.00
Wednesday Lunch	2/27/2013	12:00 PM	1	0.00

Date	Method	Check/Card Number	Amount
Payment 2/22/2013	Visa	*****7321	385.00

Name : Tom Graves

Summary

<u>Registration</u>	<u>Guests</u>	<u>Hotel</u>	<u>Sessions</u>	<u>Cancel</u>	<u>Total</u>
525.00	0.00	0.00	0.00		525.00
				Amount Rcvd:	385.00
				Refund Amount	
				Balance Due:	140.00

If this invoice shows a "Balance Due" please send payment along with this invoice to the address below. Please make your check payable to CWEA or complete the credit card information below and fax this invoice to the CWEA office at: 510-382-7810.

CWEA
Attn: Conferences
7677 Oakport St. #600
Oakland, CA 94621

Name on Card: _____ Signature: _____

Credit Card#: _____ Expiration Date: ____ / ____

If you any questions please feel free to contact the CWEA office at: (510) 382-7800 ext. 115.

2158 LATHI/ANJALI/MISS 189.00 02/27/13 13:35 1776
 ROOM NAME RATE DEPART TIME ACCT#
 NSCK 02/25/13 23:01
 TYPE ARRIVE TIME
 107 [REDACTED] PASSPORT:
 ROOM [REDACTED] VSXXXXXXXXXXXX7321
 CLERK [REDACTED] PAYMENT RWD#: [REDACTED]
 ADDRESS

DATE	REFERENCE	CHARGES	CREDITS	BALANCE DUE
02/25	WD RACK	2158, 1	189.00	
02/25	OCC-TAX	2158, 1	22.68	
02/25	NV-TOUR	2158, 1	3.78	
02/25	CA-TOUR	2158, 1	.12	
02/26	ROOM SVC	62672158	11.66 - breakfast	
02/26	VIN11	12452158	2.70 - water	
02/26	TELECOMM	WFB	4.95 - (wireless - credited back)	
02/26	WD RACK	2158, 1	189.00	
02/26	OCC-TAX	2158, 1	22.68	
02/26	NV-TOUR	2158, 1	3.78	
02/26	CA-TOUR	2158, 1	.12	
02/27	ROOM SVC	62852158	14.26 - breakfast	
02/27	CCARD-VS		.00	
SETTLED TO:		VISA	XXXXXXXXXXXX7321	
02/27	DATA ADJ	JW	4.95	AD ←
02/27	CCARD-VS		459.78	
SETTLED TO:		VISA	XXXXXXXXXXXX7321	
				.00

AS REQUESTED, A FINAL COPY OF YOUR BILL WILL BE EMAILED TO:
 SEE "INTERNET PRIVACY STATEMENT" ON MARRIOTT.COM

HOTEL 371.00
 BREAKFAST 25.92
 NV TAX 7.56
 CA TAX .12
 OCC TAX 45.26
 WATER 2.70

Your Rewards points/miles earned on your eligible earnings will be credited to your account. Check your Rewards Account Statement for updated activity.

Marriott. NAPA VALLEY MARRIOTT
 HOTELS & RESORTS 3425 SOLANO AVE
 NAPA, CA 94558

This statement is your only receipt. You have agreed to pay in cash or by approved personal check or to authorize us to charge your credit card for all amounts charged to you. The amount shown in the credits column opposite any credit card entry in the reference column above will be charged to the credit card number set forth above. (The credit card company will bill in the usual manner.) If for any reason the credit card company does not make payment on this account, you will owe us such amount. If you are direct billed, in the event payment is not made within 25 days after check-out, you will owe us interest from the check-out date on any unpaid amount at the rate of 1.5% per month (ANNUAL RATE 18%), or the maximum allowed by law, plus the reasonable cost of collection, including attorney fees.

Signature X _____



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Richard Currie
*General Manager/
District Engineer*

David M. O'Hara
Attorney

DATE: August 2, 2013

MEMO TO: Board of Directors - Union Sanitary District

FROM: Rich Currie, General Manager/District Engineer
Rich Cortes, Business Services Manager
Kathryn Destafney, Business Services Coach

SUBJECT: Agenda Item No. 9 - Meeting of August 12, 2013
Information Item: **Annual Reporting of Expense Reimbursements Over \$100**

Recommendation

Information Only.

Background

Section 53065.5 of the California Government Code requires each special district to annually disclose any reimbursement paid by the District within the immediately preceding fiscal year of at least one hundred dollars (\$100) for each individual charge for services or product received. "Individual charge" includes, but is not limited to, one meal, lodging for one day, transportation, or a registration fee paid to any employee or member of the governing body of the district." The Government Code Section also states that this document must be made available for public inspection.

The District will comply with this requirement by annually providing the Board with the report listing these expenses for the prior fiscal year period. This document will be provided each year in August and maintained in Human Resources along with the Publicly Available Pay Schedule.

Attached is the report of expense reimbursements containing individual charges of at least \$100 for the period July 1, 2012 through June 30, 2013.

Attachment: FY 2013 Employee Expense Reimbursements Over \$100 Report

Union Sanitary District
Employee Reimbursements Over \$100 - FY 2013
July 1, 2012 - June 30, 2013

Employee	Invoice Date	Invoice Description	Amount	Check Date	Check#
ARBOLANTE, ROLLIE	10/9/2012	EXP REIMB: ADV PUB UTIL & WATER MGMT PRG	679.33	10/11/12	148295
	10/22/2012	EXP REIMB: WEFTEC	1,524.95	10/25/12	148443
ARBOLANTE, ROLLIE Total			2,204.28		
BARTON, JEFFREY	2/27/2013	EXP REIMB: OWP MANAGEMENT & LEADERSHIP COURSE	109.68	03/07/13	149807
BARTON, JEFFREY Total			109.68		
BERZON, JUDI	12/13/2012	TRAVEL REIMB: CALPELRA CONFERENCE	789.43	12/20/12	149008
BERZON, JUDI Total			789.43		
BORBECK, PERRY	2/12/2013	EXP REIMB: CWEA AIRFARE	177.80	02/21/13	149651
BORBECK, PERRY Total			177.80		
BOSICK, CURTIS	10/24/2012	TRAVEL REIMB: WEFTEC CONFERENCE	822.17	11/01/12	148525
	6/6/2013	TRAVEL REIMB: APWA CONFERENCE	423.55	06/13/13	150850
BOSICK, CURTIS Total			1,245.72		
BRENNER, LAURIE	7/9/2012	REG REIMB: WASTE WATER TREATMENT COURSE	115.55	07/19/12	147474
	8/30/2012	EXP REIMB: SAFETY GLASSES	340.00	08/30/12	147882
	1/17/2013	EXP REIMB: INDUSTRIAL WASTE TREATMENT COURSE	112.68	01/24/13	149344
	1/24/2013	EXP REIMB: AIRFARE CWEA CONFERENCE	177.80	01/31/13	149426
	3/19/2013	EXP REIMB: GRADE IV TRAINING	202.08	03/21/13	149948
	6/19/2013	MEMBERSHIP RENEWAL: AMERICAN SOCIETY FOR QUALITY	153.00	06/27/13	150992
BRENNER, LAURIE Total			1,101.11		
BUNYI, AL	8/14/2012	REIMB: PE LICENSE RENEWAL	115.00	08/30/12	147885
	1/16/2013	EXP REIMB: ASCE ANNUAL DUES	265.00	01/17/13	149278
	5/30/2013	TUITION REIMB: SPRING QTR	305.00	06/06/13	150766
BUNYI, AL Total			685.00		
CHAU, RAYMOND	10/2/2012	EXP REIMB: ADV PUB UTIL & WATER MGMT PRG	697.79	10/11/12	148307
CHAU, RAYMOND Total			697.79		
CHIU, DEREK	12/17/2012	EXP REIMB: CANON CAMERA	103.11	12/20/12	149016
CHIU, DEREK Total			103.11		
CHURMA, CAROL	10/24/2012	EXP REIMB: RETIREMENT GIFT L. CRUZ	350.00	10/25/12	148455
CHURMA, CAROL Total			350.00		
COGGINS, WADE	11/15/2012	REGISTRATION REIMB: HACH TRAINING	125.00	11/21/12	148770
	1/24/2013	EXP REIMB: CWEA CONFERENCE AIRFARE - M. COSTELLO	207.79	01/31/13	149431
	1/24/2013	EXP REIMB: CWEA CONFERENCE AIRFARE	177.80	01/31/13	149431
	2/28/2013	EXP REIMB: OWP WASTEWATER COURSE	111.55	03/07/13	149813
	4/25/2013	EXP REIMB: REGIS FEE FOR ADV ACTIVATED SLUDGE TRNG	504.90	05/02/13	150435
COGGINS, WADE Total			1,127.04		
CORTES, RICHARD	10/2/2012	EXP REIMB: IPADS FOR BOARDMEMBERS	2,721.16	10/04/12	148237
	1/1/2013	EXP REIMB: ASCE & WEF MEMBERSHIP RENEWAL	485.00	01/10/13	149208
	2/28/2013	EXP REIMB: 2 IPADS 16GB WITH APPLE CARE	1,073.82	03/07/13	149815
CORTES, RICHARD Total			4,279.98		
COSTELLO, MITCHELL	2/5/2013	TUITION REIMBURSEMENT	322.00	02/07/13	149504
COSTELLO, MITCHELL Total			322.00		
COURTEMANCHE, CAROL	1/30/2013	EXP REIMB: CWEA CONFERENCE AIRFARE	177.80	02/07/13	149505
COURTEMANCHE, CAROL Total			177.80		
COUTO, FRANK	2/8/2013	EXP REIMB: CWEA CONF REG & AIRFARE	694.80	02/14/13	149590
	4/8/2013	EXP REIMB: CWEA ANNUAL CONF REGIS FEE	200.00	04/11/13	150194
	4/24/2013	EXP REIMB: LODGING, TRAVEL & MEALS FOR CWEA CONF	951.54	05/02/13	150438
COUTO, FRANK Total			1,846.34		
CURRIE, RICHARD B	6/11/2012	REIMB: C. RICE RETIREMENT GIFT & PARKING	327.12	07/12/12	147411
	8/27/2012	EXP REIMB: CASA CONF & MISCELLANEOUS	512.77	08/30/12	147893
	10/12/2012	EXP REIMB: EMPLOYEE RECOGNITION & MISC	674.49	10/25/12	148460
	1/28/2013	EXP REIMB: WEF MEMBERSHIP/CIVIL ENG RENEWAL	504.03	02/14/13	149591
	6/13/2013	EXP REIMB: CASA SPRING CONF	788.82	06/13/13	150855
CURRIE, RICHARD B Total			2,807.23		
CZAPKAY, RICHARD	6/21/2013	TRAVEL ADVANCE - GIS USER CONFERENCE*	300.00	06/27/13	151005
CZAPKAY, RICHARD Total			300.00		
DEJESUS, ANTHONY	4/23/2013	TRAVEL REIMB: CWEA ANNUAL CONFERENCE	929.12	04/25/13	150344
DEJESUS, ANTHONY Total			929.12		
DEL TORO, MANUEL	4/23/2013	TRAVEL REIMB: CWEA ANNUAL CONFERENCE	1,225.11	04/25/13	150345
DEL TORO, MANUEL Total			1,225.11		

Union Sanitary District
Employee Reimbursements Over \$100 - FY 2013
July 1, 2012 - June 30, 2013

Employee	Invoice Date	Invoice Description	Amount	Check Date	Check#
DESTAFNEY, KATHRYN DESTAFNEY, KATHRYN Total	11/2/2012	EXP REIMB: RETIREMENT SVC J. STIGGINS	105.00 105.00	11/08/12	148608
ELLIOTT, CHRISTOPHER ELLIOTT, CHRISTOPHER Total	3/12/2013	TRAVEL REIMB: NASTT CONFERENCE	994.99 994.99	03/14/13	149891
FANG, YIN FANG, YIN Total	1/17/2013 4/11/2013	EXP REIMB: CWEA MEMBERSHIP & LAB ANALYST CERTIFICATE EXP REIMB: PITTCO CONF, PHILADELPHIA	225.00 1,965.28 2,190.28	01/24/13 04/11/13	149361 150203
FORTNER, MAURICE FORTNER, MAURICE Total	10/12/2012 1/10/2013	TRAVEL REIMB: WEFTEC CONFERENCE TUITION REIMBURSEMENT	277.00 307.49 584.49	10/18/12 01/17/13	148383 149286
FULLER, ROSLYN FULLER, ROSLYN Total	1/30/2013 5/7/2013	TRAVEL REIMB: CAPPO CONFERENCE, NAPA TRAVEL REIMB: TYLER USER CONFERENCE	634.29 1,306.14 1,940.43	01/31/13 05/09/13	149447 150518
GHOSSAIN, SAMI GHOSSAIN, SAMI Total	10/5/2012 10/5/2012 6/17/2013	EXP REIMB: ADV PUBLIC UTIL WTRWRKS MGMT EXP REIMB: WEFTECH ANNUAL CONF EXP REIMB: PLANT OPERATOR III EXAM	704.38 1,396.59 195.00 2,295.97	10/11/12 10/11/12 06/20/13	148317 148317 150936
GILL, JESSE GILL, JESSE Total	10/30/2012 3/11/2013 6/13/2013	EXP REIMB: MACYS GIFT CERT FOR M. POWELL EXP REIMB: NO-DIG CONFERENCE EXP REIMB: PROFESSIONAL ENG CERT RENEWAL	100.00 499.37 115.00 714.37	11/01/12 03/14/13 06/20/13	148536 149895 150937
GILL, MICHAEL GILL, MICHAEL Total	6/29/2012 7/11/2012 9/4/2012 5/9/2013	MILEAGE REIMB: SECURITY PLUS TRAINING EXP REIMB: SECURITY SOFTWARE PURCHASE REIMB: MS SUPPORT TICKET JULY 2012 PROB EXP REIMB: SECURITY SOFTWARE ANN RENEWAL	115.99 360.00 515.00 199.00 1,189.99	07/05/12 07/12/12 09/06/12 05/16/13	147363 147423 147967 150591
GRILLO, TIMOTHY GRILLO, TIMOTHY Total	11/1/2012 5/13/2013	TRAVEL REIMB: UTILITIES MNGMNT TRAINING EXP REIMB: ADV ACTIVATED SLUDGE TRNG COURSE	680.59 504.90 1,185.49	11/08/12 05/16/13	148616 150593
HANDLEY, TOM HANDLEY, TOM Total	6/5/2013	EXP REIMB: APRIL 2013 CASA CONFERENCE	787.77 787.77	06/13/13	150863
HARPER, KEVIN HARPER, KEVIN Total	8/28/2012	EXP REIMB: TRAINING IN SACRAMENTO	402.67 402.67	08/30/12	147909
HERLIHY, THOMAS HERLIHY, THOMAS Total	6/4/2013	EXP REIMB: CWEA CONFERENCE, APRIL 15-19, 2013	1,177.01 1,177.01	06/06/13	150791
HERNANDEZ, ALEXANDRO HERNANDEZ, ALEXANDRO Total	7/31/2012 8/22/2012	EXP REIMB: AIRFARE PERKIN ELMER ICP TRNG EXP REIMB: PERKIN ELMER ADV ICP TRAINING	578.19 396.98 975.17	08/09/12 08/23/12	147695 147829
HOLSLAG, VIRGINIA HOLSLAG, VIRGINIA Total	10/17/2012	EXP REIMB: OPTIMUM ANNUAL CONFERENCE	1,248.71 1,248.71	10/18/12	148390
KULL, DEBORAH KULL, DEBORAH Total	3/14/2013 4/22/2013	EXP REIMB: CMTA CONF AIRFARE EXP REIMB: CMTA CONFERENCE	137.80 819.31 957.11	03/21/13 04/25/13	149972 150364
LIVINGSTON, DAVID LIVINGSTON, DAVID Total	10/11/2012 2/6/2013 3/15/2013 4/23/2013 5/20/2013	EXP REIMB: WEFTEC 2012 EXP REIMB: CWEA ANNUAL CONF REGIS FEE EXP REIMB: AIRFARE TO NASHVILLE FOR WEF BIOSOLIDS CONF EXP REIMB: CWEA CONFERENCE EXP REIMB: 2013 WEF CONF - NASHVILLE	1,002.89 627.80 464.10 584.45 1,285.70 3,964.94	10/18/12 02/07/13 03/21/13 04/25/13 05/23/13	148398 149529 149974 150365 150652
LOPEZ, ARMANDO LOPEZ, ARMANDO Total	6/26/2012 10/4/2012 2/13/2013	EXP REIMB: AIRFARE - PUB UTIL MGMT PRGM EXP REIMB: AWWA COURSE EXP REIMB: AIRFARE FOR MAY WEF CONFERENCE	186.60 451.82 464.10 1,102.52	07/05/12 10/18/12 02/14/13	147372 148399 149602
LU, DUNG LU, DUNG Total	5/21/2013	EXP REIMB: MILEAGE FOR ALLEN BRADLEY PLC TRNG	134.23 134.23	05/30/13	150725
LULLO, ANTHONY LULLO, ANTHONY Total	4/25/2013	EXP REIMB: REGIS FEE - ADV ACTIVATED SLUDGE PROCESS	504.90 504.90	05/02/13	150455

Union Sanitary District
Employee Reimbursements Over \$100 - FY 2013
July 1, 2012 - June 30, 2013

Employee	Invoice Date	Invoice Description	Amount	Check Date	Check#
MARZANO, MICHAEL	5/1/2013	EXP REIMB: CWEA ANNUAL CONFERENCE	1,439.90	05/02/13	150457
MARZANO, MICHAEL Total			1,439.90		
MCPHERSON, JAMES	3/18/2013	EXP REIMB: UTIL MGMT CONF - 3/9 - 3/13	540.76	03/21/13	149978
MCPHERSON, JAMES Total			540.76		
MORRISON, STUART	7/26/2012	EXP REIMB: CWEA MID-SUMMER COLL CMTE MTG	451.68	07/26/12	147576
	9/13/2012	EXP REIMB: GIFT CARDS SCHOFIELD & NESGIS	400.00	09/20/12	148117
MORRISON, STUART Total			851.68		
MOSLEY, MICHAEL	11/5/2012	EXP REIMB: LODGING HACH TRNG SEMINAR	1,062.72	11/08/12	148626
MOSLEY, MICHAEL Total			1,062.72		
MOY, BRODERICK	9/18/2012	EXP REIMB: CWEA NORTH REG TRAINING CONF	398.70	09/20/12	148119
	6/3/2013	EXP REIMB: THREE CWEA RENEWALS	309.00	06/06/13	150805
MOY, BRODERICK Total			707.70		
NESGIS, SHAWN	6/29/2012	EXP REIMB: XWEA SSO VOLUME EST TRNG	277.53	07/05/12	147377
	10/29/2012	EXP REIMB: 2 EA CAMERA SKIDS	908.00	11/01/12	148549
	11/5/2012	EXP REIMB: CGA MEMBERSHIP FOR 2012	100.00	11/08/12	148628
	12/4/2012	EXP REIMB: QUICK CAL MEASURING DEVICE	375.00	12/06/12	148909
	1/9/2013	EXP REIMB: DEMAND PESITICIDE	139.75	01/17/13	149306
	1/9/2013	EXP REIMB: FLAGGER TRNG POWELL & DEJESUS	350.00	01/17/13	149306
	1/10/2013	EXP REIMB: QUICK CAL MEASURING DEVICES	1,125.00	01/17/13	149306
	2/25/2013	EXP REIMB: CGA CONF REGIS, HOTEL & AIRFARE - 3/13	1,702.80	02/28/13	149770
	2/25/2013	EXP REIMB: CWEA CONF REGIS & AIRFARE - APR 2013	699.80	02/28/13	149770
	2/25/2013	EXP REIMB: COMPETENT PERSON/CONF SPACE TRNG	550.00	02/28/13	149770
	2/26/2013	EXP REIMB: WEF COLLCNF REGIS - JUNE 2013	620.00	02/28/13	149770
	4/24/2013	EXP REIMB: CWEA CONF LODGING, MEALS & BAGGAGE	1,337.08	05/02/13	150462
	4/24/2013	EXP REIMB: PROJECTION SCREEN - CS CREWROOM	326.41	05/02/13	150462
	4/24/2013	EXP REIMB: SAMPLE CS UNIFORM JACKETS	214.97	05/02/13	150462
	6/19/2013	EXP REIMB: WEF CONF LODGING, PARKING & MEALS	508.02	06/27/13	151042
NESGIS, SHAWN Total			9,234.36		
O'NEAL, PAT	6/17/2013	EXP REIMB: ACA SURVIVAL GUIDE WEBINAR	210.00	06/20/13	150949
O'NEAL, PAT Total			210.00		
PACHMAYER, CHRIS	11/12/2012	EXP REIMB: CA PE LICENSE REG FEE	115.00	11/15/12	148718
	6/19/2013	TUITION REIMB - SPRING QTR 2013	167.00	06/20/13	150950
PACHMAYER, CHRIS Total			282.00		
PAREDES, ALEXANDER	5/29/2013	EXP REIMB: NACWA CONFERENCE PORTLAND	767.81	05/30/13	150735
PAREDES, ALEXANDER Total			767.81		
PEDRO, MARY	1/29/2013	EXP REIMB: SONY CYBERSHOT	118.68	01/31/13	149465
PEDRO, MARY Total			118.68		
PIPKIN, RIC	8/7/2012	AWWA ADVANCED COURSE MGMT INSTITUTE	499.00	08/09/12	147713
	10/24/2012	EXP REIMB: AWWA MGMT INSTITUTE	936.49	10/25/12	148497
PIPKIN, RIC Total			1,435.49		
PORT, DAVE	3/22/2013	EXP REIMB: LODGING FOR PETE CHAPARRO	543.00	03/28/13	150068
PORT, DAVE Total			543.00		
POWELL, JOHN	1/28/2013	EXP REIMB: CWEA CONFERENCE AIRFARE	197.80	01/31/13	149466
	4/22/2013	EXP REIMB: CWEA ANNUAL CONFERENCE	854.12	04/25/13	150378
POWELL, JOHN Total			1,051.92		
POWELL, MICHELLE	11/13/2012	EXP REIMB: IPS OPEN HOUSE	756.81	11/15/12	148724
	6/4/2013	EXP REIMB: CAPIO ANNUAL CONFERENCE	558.17	06/06/13	150808
	6/10/2013	TUITION REIMB - SPRING QTR 2013	308.35	06/13/13	150880
POWELL, MICHELLE Total			1,623.33		
RIVERA III, LOUIS	4/3/2013	EXP REIMB: CWEA ANNUAL CONFERENCE	239.10	04/11/13	150232
	4/26/2013	EXP REIMB: CWEA ANNUAL CONFERENCE	132.54	05/02/13	150468
	5/31/2013	TUITION REIMB - SPRING QTR 2013	242.64	06/06/13	150813
RIVERA III, LOUIS Total			614.28		
RODRIGUES JR, JOSE	1/29/2013	EXP REIMB: CWEA CONFERENCE	894.80	01/31/13	149468
	4/1/2013	EXP REIMB: WEF COLLECTION SYSTEMS 2013	620.00	04/04/13	150165
	4/23/2013	EXP REIMB: CWEA ANNUAL CONFERENCE	1,023.85	04/25/13	150384
	6/18/2013	EXP REIMB: WEF CONFERENCE	251.63	06/20/13	150953
RODRIGUES JR, JOSE Total			2,790.28		
ROJO, JAMIE	9/7/2012	EXP REIMB: AIRFARE CALPERS EDUCATIONAL	167.60	09/13/12	148062
	2/19/2013	EXP REIMB: TYLER/EDEN CONFERENCE AIRFARE	397.60	02/21/13	149698
	4/23/2013	EXP REIMB: TYLER USER CONFERENCE	225.00	04/25/13	150385

Union Sanitary District
Employee Reimbursements Over \$100 - FY 2013
July 1, 2012 - June 30, 2013

Employee	Invoice Date	Invoice Description	Amount	Check Date	Check#
ROJO, JAMIE Total	5/15/2013	EXP REIMB: TYLER USER CONFERENCE	202.81	05/16/13	150606
			993.01		
SCHOFIELD, JAMES Total	2/27/2013	EXP REIMB: CWEA CONFERENCE AIRFARE	217.80	02/28/13	149784
	4/23/2013	EXP REIMB: CWEA ANNUAL CONFERENCE	783.11	04/25/13	150389
			1,000.91		
SCHWARTZ, RANDY Total	10/29/2012	EXP REIMB: CWEA EVENT MILEAGE	100.33	11/01/12	148561
	4/26/2013	EXP REIMB: CWEA ANNUAL CONFERENCE	1,346.78	05/02/13	150475
			1,447.11		
SCOBEE, RICHARD Total	10/24/2012	EXP REIMB: ESRI USER CONFERENCE	2,261.22	10/25/12	148503
			2,261.22		
SEO, JOHN Total	4/25/2013	EXP REIMB: CWEA ANNUAL CONFERENCE	1,514.21	05/09/13	150547
			1,514.21		
SIMMERS, LARRY Total	4/22/2013	EXP REIMB: CWEA ANNUAL CONFERENCE	563.32	04/25/13	150393
			563.32		
SIMONICH, ROBERT Total	11/15/2012	EXP REIMB: CORROSION CONTROL CONFERENCE	985.48	11/15/12	148739
	3/25/2013	EXP REIMB: CWEA ANNUAL CONFERENCE HOTEL	823.41	03/28/13	150080
	4/22/2013	EXP REIMB: CWEA ANNUAL CONFERENCE	430.10	04/25/13	150394
			2,238.99		
TAI, RUFUS Total	8/17/2012	EXP REIMB: MICROSOFT PROJECT	115.00	08/23/12	147857
	5/28/2013	TUITION REIMB - SPRING QTR 2013	240.93	05/30/13	150747
			355.93		
TEALE, TIMOTHY Total	12/18/2012	EXP REIMB: 2013 SSPC CONFERENCE	1,718.30	12/20/12	149056
	1/24/2013	EXP REIMB: 2013 SSPC CONFERENCE	364.16	01/31/13	149476
	10/30/2012	EXP REIMB: CWEA EVENT MILEAGE	133.58	02/14/13	149621
			2,216.04		
WEST, SHARON Total	3/5/2013	EXP REIMB: APA ANNUAL CONGRESS LODGING	631.70	03/07/13	149867
	3/22/2013	EXP REIMB: APA ANNUAL CONGRESS	1,050.00	03/28/13	150092
	5/15/2013	EXP REIMB: APA ANNUAL CONGRESS	687.01	05/16/13	150616
			2,368.71		
WIES, DONNA Total	7/11/2012	EXP REIMB: WEFTEC AIRFARE	486.20	07/12/12	147453
	10/9/2012	EXP REIMB: WEFTEC LODGING, MEALS & CABS	906.44	10/11/12	148361
	11/27/2012	EXP REIMB: CWEA LEADERSHIP AIRFARE	147.60	11/29/12	148867
	6/21/2013	EXP REIMB: WEFTEC AIRFARE	402.70	06/27/13	151070
			1,942.94		
WONG, WILSON Total	6/17/2013	EXP REIMB: MILEAGE ROCKWELL TRAINING	104.45	06/20/13	150972
			104.45		
YAMELLO, TODD Total	12/28/2012	EXP REIMB: PE LICENSE	125.00	01/03/13	149190
			125.00		
YEATES, JASON Total	1/11/2013	EXP REIMB: CWEA TEST FEE EC GRADE 2	155.00	01/17/13	149335
	1/24/2013	EXP REIMB: CWEA TEST FEE EC GRADE 2	150.00	01/31/13	149484
			305.00		

Grand Total

\$ 83,645.33

* travel advance amounts are replaced with actual expenses, when received

This is a placeholder for Item 10, Legislative Update for August.



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Richard B. Currie
*General Manager/
District Engineer*

David M. O'Hara
Attorney

DATE: August 1, 2013
MEMO TO: Board of Directors - Union Sanitary District
FROM: Richard B. Currie, General Manager/District Engineer
SUBJECT: Agenda Item No. 11 - Meeting of August 12, 2013
REPORT ON EMPLOYEE TURNOVER RATE FOR FY13

Recommendation

Information Only.

Background

An important element of our strategic planning and long range staffing program is to attract and retain high quality employees at the District. One of our measures in the Balanced Scorecard used to monitor this objective is turnover rate. This is measured by dividing the number of employees separated from the District by the average total number of employees at the District during any given year. The turnover rate is expressed as a percentage.

For FY13, the District's turnover rate was 7.7% with 10 employees leaving the District during the year. Last year the rate was 5.4% with 7 employees leaving.

The reasons for employee separation for FY13 were as follows:

Retired from District	7
Resigned, job closer to home (less commute)	0
Resigned, returned to school	0
Terminated	0
Resigned to take promotion elsewhere	2
Separated, other	1
Total	10

Additional information will be provided to the Board on specifics of employee separation, if desired.

Trends and Discussion.

This year's rate is compared to the past several years in the table below.

Year	2013	2012	2011	2010	2009	2008	2007
Sep. Rate	7.7%	5.4%	5.4%	5.3%	4.5%	6.9%	14.8%

This year's rate, at 7.7%, is an increase from the past several years. The increase is primarily due to several employees electing to retire in FY13. In comparing with the last few years turnover, we see that non-retirement separations continue to be very low.

Year	Total Turnover	Non-retirement turnover
2007	14.8%	6.2%
2008	6.9%	4.6%
2009	4.5%	3.0%
2010	5.3%	3.1%
2011	5.4%	2.3%
2012	5.4%	3.8%
2013	7.7%	2.3%

The most significant reason for employees leaving the District was retirement, with 7 of the 10 departing employees retiring. The most significant non-retirement reason for employees leaving the District during FY13 was for promotional opportunities elsewhere. One employee, an environmental compliance inspector, took a position of Senior Environmental Compliance Inspector with the City of Hayward, which is a supervisory position. A second employee, an associate engineer, returned to work for Carollo Engineers. The remaining employee cited a loss of interest in his work and an opportunity to take a role in teaching and training.

Dublin San Ramon Services District regularly surveys 18 local public agencies including several cities, water districts and sanitary districts. Last year, their survey indicated an average turnover rate of 6.65% overall, and a rate of 2.92% when excluding retirement. USD's turnover is slightly higher than the average in total turnover, and lower than average in non-retirement turnover.

**UNION SANITARY DISTRICT
CHECK REGISTER
07/13/2013-08/02/2013**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
151278	7/25/2013	60001	RANGER PIPELINES INC	I-680 AT SABERCAT RD SEWER REPLACEMENT	\$441,148.79	\$441,148.79
151243	7/25/2013	2825	EAST BAY DISCHARGERS AUTHORITY	O&M ASSESSMENT, JUL-SEP 2013	\$266,626.96	\$367,826.96
	7/25/2013	2831		RNWL & REPL FUND ASSES FY14	\$101,200.00	
151229	7/25/2013	5733	CAL SAN RISK MNGT AUTH	7/1/13-14 WC PROGRAM	\$343,275.00	\$343,275.00
151220	7/25/2013	8480037682	ANDRITZ SEPARATION INC	CENTRIFUGE CONTROLS EQUIP UPGRADE	\$152,205.81	\$152,205.81
151272	7/25/2013	3596	NORCAL PIPELINE SERVICES	CAST IRON LINING PROJECT, PHASE IV	\$118,814.13	\$118,814.13
151242	7/25/2013	1160	DW NICHOLSON CORP	COGENERATION PROJECT	\$108,725.50	\$108,725.50
151240	7/25/2013	20130161	COVELLO GROUP INC	CAST IRON LINING PHASE 4	\$17,216.00	\$102,976.18
	7/25/2013	201202582		RAS PUMP STATION IMPROVEMENTS	\$7,684.00	
	7/25/2013	20130171		THICKENER CONROL BUILDING IMPROVEMENTS PHASE II	\$2,883.00	
	7/25/2013	20130152		THICKENER CONTROL BLDG INTERIM INPROV	\$3,699.00	
	7/25/2013	201103318		THICKENER 3 AND 4 REHABILITATION	\$547.00	
	7/25/2013	201002234		PRIMARY CLARIFIERS 1 - 4 REHABILITATION	\$3,275.50	
	7/25/2013	201202581		HEADWORKS AND EMERGENCY OUTFALL IMPROV	\$21,265.50	
	7/25/2013	20130084		COGENERATION PROJECT	\$46,406.18	
151171	7/18/2013	25315	COLLICUTT ENERGY SERVICES INC	COGEN #1 OVERHAUL	\$74,076.72	\$74,076.72
151275	7/25/2013	170120130710	PACIFIC GAS AND ELECTRIC	SERV TO 06/20/13 PLANT	\$69,072.04	\$69,072.04

**UNION SANITARY DISTRICT
CHECK REGISTER
07/13/2013-08/02/2013**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
151336	8/1/2013	816821	POLYDYNE INC	44,680 LBS CLARIFLOC C-6267	\$52,349.32	\$52,349.32
151288	7/25/2013	30102074	SYNAGRO TECHNOLOGIES	APRIL 2013 BIOSOLIDS DISPOSAL	\$46,812.94	\$46,812.94
151313	8/1/2013	11195001	BROWN & CALDWELL CONSULTANTS	I-680 AT SABERCAT RD SEWER REPLACEMENT	\$24,520.30	\$45,226.32
	8/1/2013	11195000		BOYCE ROAD LIFT STATION	\$20,706.02	
151300	7/25/2013	2023729	WEST YOST & ASSOCIATES	NEWARK FLAT TOPS AREA SEWER RELOCATION	\$10,271.53	\$40,684.48
	7/25/2013	2023801		I-680 AT SABERCAT RD SEWER REPLACEMENT	\$9,127.50	
	7/25/2013	2023802		NEWARK FLAT TOPS AREA SEWER RELOCATION	\$4,808.50	
	7/25/2013	2023728		I-680 AT SABERCAT RD SEWER REPLACEMENT	\$16,476.95	
151173	7/18/2013	20120257	COVELLO GROUP INC	HEADWORKS IMPROVEMENT & RAS PUMP STATION	\$34,530.00	\$34,530.00
151209	7/18/2013	533620130624	US BANK CORP PAYMENT SYSTEM	MONTHLY CAL CARD STMT - JUNE 2013	\$27,814.64	\$27,814.64
151224	7/25/2013	386	AUTOMATED NETWORK CONTROLS	HEADWORKS AND EMERGENCY OUTFALL IMPROV	\$20,443.95	\$23,145.15
	7/25/2013	387		BOYCE ROAD LIFT STATION	\$2,701.20	
151283	7/25/2013	901298858	SIEMENS INDUSTRY INC	2,282 GALS HYDROGEN PEROXIDE	\$9,995.16	\$19,416.54
	7/25/2013	901298857		2,151 GALS HYDROGEN PEROXIDE	\$9,421.38	
151309	8/1/2013	139567	ALLIANT INSURANCE SERVICES INC	MISC. COMMERCIAL INSURANCE 07/13-07/14	\$14,451.10	\$14,451.10
151162	7/18/2013	3DU25	BAY AREA AIR QUALITY MGMT DIST	ANNUAL PERMIT RNWL-PLANT A1209	\$14,247.00	\$14,247.00

**UNION SANITARY DISTRICT
CHECK REGISTER
07/13/2013-08/02/2013**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
151208	7/18/2013	560399	UNIVAR USA INC	300 GALS SULFURIC ACID 36%	\$796.07	\$13,000.99
	7/18/2013	560450		5,008 GALS SODIUM HYPOCHLORITE	\$2,470.98	
	7/18/2013	559479		4,800 GALS SODIUM HYPOCHLORITE	\$2,368.36	
	7/18/2013	559503		4,868 GALS SODIUM HYPOCHLORITE	\$2,401.91	
	7/18/2013	560204		5,053 GALS SODIUM HYPOCHLORITE	\$2,493.19	
	7/18/2013	559823		5,007 GALS SODIUM HYPOCHLORITE	\$2,470.48	
151347	8/1/2013	98975	VAVRINEK, TRINE, DAY & CO LLP	AUDITING SERVICES JUNE 2013	\$12,000.00	\$12,000.00
151270	7/25/2013	102602	MUNIQUIP, LLC	6 EA M80 - MISSION COMMUNICATIONS M-80,	\$11,756.28	\$11,756.28
151260	7/25/2013	9017341767	KEMIRA WATER SOLUTIONS, INC.	8.24 DRY TONS FERROUS CHLORIDE	\$5,559.61	\$11,708.32
	7/25/2013	9017341431		8.14 DRY TONS FERROUS CHLORIDE	\$6,148.71	
151192	7/18/2013	9017339767	KEMIRA WATER SOLUTIONS, INC.	7.58 DRY TONS FERROUS CHLORIDE	\$5,725.70	\$11,625.13
	7/18/2013	9017339588		7.81 DRY TONS FERROUS CHLORIDE	\$5,899.43	
151219	7/25/2013	4071036120130702	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 07/02/13-BENSON ROAD	\$10,723.14	\$10,723.14
151306	8/1/2013	130601430	AIRTECH MECHANICAL INC	HVAC Maintenance	\$2,985.00	\$10,642.00
	8/1/2013	130601506		Bldg 82 ADMIN Second Floor Telecom	\$4,507.00	
	8/1/2013	130501426		HVAC Maintenance	\$3,150.00	
151326	8/1/2013	9017342484	KEMIRA WATER SOLUTIONS, INC.	7.68 DRY TONS FERROUS CHLORIDE	\$5,181.77	\$10,417.51
	8/1/2013	9017342485		7.76 DRY TONS FERROUS CHLORIDE	\$5,235.74	

**UNION SANITARY DISTRICT
CHECK REGISTER
07/13/2013-08/02/2013**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
151345	8/1/2013	561887	UNIVAR USA INC	4,889 GALS SODIUM HYPOCHLORITE	\$2,299.84	\$9,313.22
	8/1/2013	561895		5,012 GALS SODIUM HYPOCHLORITE	\$2,357.71	
	8/1/2013	562720		4,890 GALS SODIUM HYPOCHLORITE	\$2,300.31	
	8/1/2013	562520		5,007 GALS SODIUM HYPOCHLORITE	\$2,355.36	
151231	7/25/2013	1900	CDW GOVERNMENT LLC	REPLACE SCANNING AND PATCH CONTROL SOFTWARE	\$9,225.00	\$9,225.00
151257	7/25/2013	3213	J2 BUILDING CONSULTANTS INC	LEAK DETECTION SERVICE - BLDG 83	\$7,500.00	\$7,500.00
151265	7/25/2013	17822	MATHEWS MECHANICAL	2 EA HANGER BEARING KITS	\$7,165.26	\$7,165.26
151328	8/1/2013	37432220130801	LINCOLN FINANCIAL GROUP	LIFE & DISABILITY FOR AUGUST	\$7,158.81	\$7,158.81
151293	7/25/2013	560782	UNIVAR USA INC	4,897 GALS SODIUM HYPOCHLORITE	\$2,303.61	\$6,963.51
	7/25/2013	561347		5,016 GALS SODIUM HYPOCHLORITE	\$2,359.59	
	7/25/2013	560724		4,890 GALS SODIUM HYPOCHLORITE	\$2,300.31	
151295	7/25/2013	536402	VINCENT ELECTRIC MOTOR CO	TROUBLE SHOOT GENERATOR #1	\$6,355.44	\$6,355.44
151282	7/25/2013	13071075	SCADA SUPPORT GROUP	THICKENER CONTROL BLDG INTERIM	\$5,915.03	\$5,915.03
151273	7/25/2013	86420130702	DAVID M O'HARA ATTY AT LAW	GENERAL LEGAL - JUNE 13	\$4,893.00	\$5,817.00
	7/25/2013	97720130702		CIP LEGAL - JUNE 13	\$924.00	
151190	7/18/2013	18831	IEDA INC	LABOR RELATIONS CONSULTING 7/1 - 9/30/2013	\$5,305.00	\$5,305.00
151339	8/1/2013	16392	RMC WATER AND ENVIRONMENT	MIDTOWN DEVELOPMENT SEWER EVALUATION	\$5,213.00	\$5,213.00
151206	7/18/2013	130601	TOTAL WASTE SYSTEMS INC	JUNE 2013 GRIT DISPOSAL	\$4,525.56	\$5,087.81
	7/18/2013	130603		JUNE 2013 GRIT DISPOSAL	\$562.25	

**UNION SANITARY DISTRICT
CHECK REGISTER
07/13/2013-08/02/2013**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
151245	7/25/2013	78098	FOLGER GRAPHICS	7000 DOOR HANGERS- RESIDENTIAL FOG PROGRAM	\$2,820.92	\$4,966.52
	7/25/2013	77958		15454 POSTCARDS - RESIDENTIAL FOG PROGRAM	\$2,145.60	
151299	7/25/2013	29669	WECO INDUSTRIES LLC	6 TIGER TAILS & 2 PIRANHA ORANGE SEWER HOSE	\$4,882.48	\$4,882.48
151201	7/18/2013	811242	POLYDYNE INC	42,220 LBS CLARIFLOC WE-539	\$4,808.01	\$4,808.01
151277	7/25/2013	1228	QUANTUM RESOLVE INC	HANSEN 8 UPGRADE	\$4,500.00	\$4,500.00
151202	7/18/2013	130626	PROSAFE	32 HRS INSPECTIONS & 10 HRS SPCC	\$4,200.00	\$4,200.00
151217	7/25/2013	613087	AIRIS, INC.	NRB IMPORT ENHANCEMENT	\$4,000.00	\$4,000.00
151172	7/18/2013	20130528	COLLISON ENGINEERING	HAYWARD MARSH PERMIT METAL STUDY	\$3,918.00	\$3,918.00
151184	7/18/2013	218606	FUSIONSTORM	SOW GENERATION FOR NETBACKUP REPLACEMENT	\$3,600.00	\$3,600.00
151296	7/25/2013	1641	VON EUW TRUCKING	73.44 TONS CRUSH/CLASS 2 AB & 12.99 CUTBACK	\$3,463.66	\$3,463.66
151258	7/25/2013	40189	JACK DOHENY SUPPLIES, INC.	VACTOR RENTAL - 6/19 - 6/28/2013	\$3,379.00	\$3,379.00
151327	8/1/2013	6783	KYAIN KYAIN BURMESE	REFUND # 16587	\$3,300.00	\$3,300.00
151285	7/25/2013	20130630	STATE BOARD OF EQUALIZATION	SALES & USE TAX 04/13-06/13	\$3,293.00	\$3,293.00

**UNION SANITARY DISTRICT
CHECK REGISTER
07/13/2013-08/02/2013**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
151200	7/18/2013	898220130702	PACIFIC GAS AND ELECTRIC	SERV TO 07/01/13 FREMONT PS	\$239.01	\$3,258.48
	7/18/2013	013720130709		SERV TO 07/08/13 BOYCE RD PS	\$2,383.04	
	7/18/2013	140120130709		SERV TO 07/07/13 IRVINGTON PS	\$27.46	
	7/18/2013	666720130702		SERV TO 07/01/13 PASEO PADRE PS	\$190.74	
	7/18/2013	096020130702		SERV TO 07/01/13 CATHODIC PROJECT	\$49.91	
	7/18/2013	380420130702		SERV TO 06/28/13 CHERRY ST PS	\$251.34	
	7/18/2013	892820130702		SERV TO 07/01/13 HAYWARD MARSH	\$116.98	
151174	7/18/2013	239856	CURTIS & TOMPKINS LTD	70 LAB SAMPLE ANALYSIS	\$2,020.00	\$3,215.00
	7/18/2013	239903		3 LAB SAMPLE ANALYSIS	\$175.00	
	7/18/2013	239980		61 LAB SAMPLE ANALYSIS	\$1,020.00	
151238	7/25/2013	20130703	COLLISON ENGINEERING	HAYWARD MARSH PERMIT METAL STUDY	\$3,134.40	\$3,134.40
151198	7/18/2013	6130206	NBS	SEWER SERVICE CHARGE DATA SERV JULY - SEPT 2013	\$2,655.90	\$2,655.90
151274	7/25/2013	210141	PACHECO BROTHERS GARDENING INC	LANDSCAPE MAINTENANCE SERVICES JULY 2013	\$1,468.00	\$2,523.00
	7/25/2013	210142		WEED ABATEMENT WORK JULY 2013	\$1,055.00	
151169	7/18/2013	6606	CAI CHEN	REFUND # 16552	\$2,500.00	\$2,500.00
151246	7/25/2013	228635	FRANK A OLSEN COMPANY	2 CHERRY ST PS CHECK VALVE	\$2,229.42	\$2,229.42
151350	8/1/2013	156433	W BRADLEY ELECTRIC INC	CENTRIFUGE PROJECT CABLE INSTALL	\$2,151.00	\$2,151.00
151197	7/18/2013	20130630	NAPA AUTO PARTS	MONTHLY AUTO PARTS STMT - JUNE 2013	\$1,203.22	\$2,149.55
	7/18/2013	326544857		4 EA IPS GEN BATTERIES	\$946.33	

**UNION SANITARY DISTRICT
CHECK REGISTER
07/13/2013-08/02/2013**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
151268	7/25/2013	90661034	METAL SUPERMARKETS	ASTD STEEL PRODUCTS FOR STOCK	\$2,126.03	\$2,126.03
151167	7/18/2013	93280	CDW GOVERNMENT LLC	IRONPORT RENEWAL	\$417.00	\$2,110.75
	7/18/2013	51818		IRONPORT RENEWAL	\$1,693.75	
151304	7/25/2013	1204518405	WRA ENVIRONMENTAL CONSULTANTS	FORCE MAIN CONSTRUCTION	\$2,058.12	\$2,058.12
151157	7/18/2013	443720	A-PRO PEST CONTROL INC	MAY PEST CONTROL	\$1,005.00	\$2,010.00
	7/18/2013	446303		JUNE PEST CONTROL	\$1,005.00	
151203	7/18/2013	7547635734	ROYAL WHOLESALE ELECTRIC	ROCKWELL FACTORYTALK PRGMG COURSE - WONG	\$1,950.00	\$1,950.00
151294	7/25/2013	22666	VALLEY OIL COMPANY	2 DRS MOBIL PEGASUS 805 OIL	\$1,897.82	\$1,897.82
151346	8/1/2013	22879	VALLEY OIL COMPANY	2 DRS MOBIL PEGASUS 805 OIL	\$1,877.82	\$1,877.82
151263	7/25/2013	2221315	MATHESON ENVIRONMENTAL SERVICE	ASTD ENV SERV, FILTER, DEBRIS, OIL & WATER	\$1,873.30	\$1,873.30
151152	7/18/2013	130601548	AIRTECH MECHANICAL INC	SERVICE CALL: BLDG 63	\$889.83	\$1,767.21
	7/18/2013	130601514		SERVICE CALL: ADMIN BLDG LIBRARY	\$877.38	
151228	7/25/2013	11192300	BROWN & CALDWELL CONSULTANTS	RAS PUMP STATION IMPROV	\$1,762.57	\$1,762.57
151181	7/18/2013	XJ51NMWN9	DELL MARKETING LP C/O DELL USA	1 Q4 DESKTOP	\$1,484.26	\$1,743.49
	7/18/2013	XJ4X5R4C5		1 Q4 DESKTOP	\$259.23	
151186	7/18/2013	20130716	MOHAMMAD GHOURY	EXP REIMB: ESRI USER CONF -HARD ROCK SAN DIEGO	\$1,692.74	\$1,692.74
151158	7/18/2013	127180	ASHBROOK SIMON HARTLEY OPS. LP	1 GBT BELT	\$1,666.97	\$1,666.97
151153	7/18/2013	4071038120130702	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 07/02/13-BENSON ROAD	\$53.86	\$1,656.39
	7/18/2013	4071037120130702		SERV TO: 07/02/13-BENSON ROAD	\$1,602.53	

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151154	7/18/2013	916001743918	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - JUNE 2013	\$1,645.41	\$1,645.41
151195	7/18/2013	51088	METROMOBILE COMMUNICATIONS INC	RADIO EQUIPMENT INSTALLED @ BOYCE PS	\$520.92	\$1,515.33
	7/18/2013	34957		RADIO FOR CHRIS ELLIOTT	\$994.41	
151256	7/25/2013	103998931	IRON MOUNTAIN	DATA/MEDIA OFF-SITE STORAGE JUNE 2013	\$225.12	\$1,491.21
	7/25/2013	1716		OFF-SITE STORAGE AND SERVICES JUNE 2013	\$274.78	
	7/25/2013	8477		OFF-SITE STORAGE AND SERVICES JUNE 2013	\$991.31	
151248	7/25/2013	73154	GHD INC	BOYCE ROAD LIFT STATION	\$1,479.83	\$1,479.83
151332	8/1/2013	71416	NCCGROUP	LICENSE RENEWAL NGSSQUIRREL	\$1,465.00	\$1,465.00
151301	7/25/2013	9174	WESTERN MACHINE & FAB INC	MFG SST RIDGED COUPLING PER SAMPLE	\$1,335.90	\$1,335.90
151179	7/18/2013	881382	DALE HARDWARE INC	ASTD PARTS & MATERIALS	\$31.05	\$1,302.55
	7/18/2013	883194		ASTD PAINTING SUPPLIES	\$1,173.41	
	7/18/2013	880066		ASTD PARTS & MATERIALS	\$98.09	
151303	7/25/2013	1841061401	WINGFOOT COMMERCIAL TIRE LLC	24 DISPOSAL-TIRES COMMERCIAL	\$141.00	\$1,270.85
	7/25/2013	1841061416		3 TIRES HEAVY TRUCK H LOAD SP431 11R 22.5	\$1,129.85	
151249	7/25/2013	9166108507	GRAINGER INC	1 EA UTILITY CART	\$165.15	\$1,260.59
	7/25/2013	9166108515		12 EA COUPLERS	\$84.75	
	7/25/2013	9170699962		16 EA ELBOWS, TEES, & FLANGES	\$873.54	
	7/25/2013	9169532117		2 EA CIRCUIT BREAKERS	\$125.00	
	7/25/2013	9170873922		1 EA RECEPTACLE & WALL PLATE	\$12.15	

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151298	7/25/2013	8054422988	VWR INTERNATIONAL LLC	2 NEOSIDHER FLA, 1 NEODISHER Z & 5 MICROSLIDES	\$602.19	\$1,228.62
	7/25/2013	8054419800		1 SODIUM THIOSULFATE & 2 PKS GF/C FILTER	\$568.09	
	7/25/2013	8054422987		2 CS SODIUM CHLORIDE AR CRY 500GM	\$58.34	
151341	8/1/2013	2278784003	S & S SUPPLIES & SOLUTIONS	3 CS MICROFLEX EVOLUTION LATEX GLOVES	\$420.48	\$1,227.80
	8/1/2013	2281216001		12 DZ GLOVES LEATHER PIGSKIN	\$807.32	
151218	7/25/2013	130701526	AIRTECH MECHANICAL INC	REPLACE A/C WINDOW UNIT - WAREHOUSE	\$1,200.00	\$1,200.00
151175	7/18/2013	20130626.1	CWEA-NRTC	CERT RENEWALS: COLL SERV 14 EMPLOYEES	\$1,178.00	\$1,178.00
151215	7/18/2013	1841061203	WINGFOOT COMMERCIAL TIRE LLC	3 TIRES HEAVY TRUCK H LOAD SP431 11R 22.5	\$1,129.85	\$1,129.85
151251	7/25/2013	8370178	HACH COMPANY	4 EA REAGANT DPD FOR TPO SAMPLING	\$1,080.43	\$1,080.43
151199	7/18/2013	5346581	NELSON STAFFING SOLUTIONS	TEMP LABOR-GOYENA, L., WK END 06/16/13	\$1,080.00	\$1,080.00
151271	7/25/2013	5347268	NELSON STAFFING SOLUTIONS	TEMP LABOR-GOYENA, L., WK END 06/23/13	\$1,080.00	\$1,080.00
151333	8/1/2013	5347961	NELSON STAFFING SOLUTIONS	TEMP LABOR-GOYENA, L., WK END 06/30/13	\$1,080.00	\$1,080.00
151317	8/1/2013	103505	ESA	SEA LEVEL RISE STUDY	\$1,037.80	\$1,037.80
151284	7/25/2013	6993	STAR ROOTER AND PLUMBING	REFUND # 16582	\$500.00	\$1,000.00
	7/25/2013	6997		REFUND # 16583	\$500.00	
151176	7/18/2013	20130626	CWEA-NRTC	MEMBERSHIP RENEWAL - COLL SERV 9 EMPLOYEES	\$980.00	\$980.00
151191	7/18/2013	25063392	KELLY SERVICES INC	TEMP LABOR-SHARMA, R., WK END 06/23/13	\$972.80	\$972.80
151289	7/25/2013	479543150	TELEPACIFIC COMMUNICATIONS	WIRELESS INTERNET BACKUP - JULY	\$960.00	\$960.00
151259	7/25/2013	26068341	KELLY SERVICES INC	TEMP LABOR-SHARMA, R., WK END 06/30/13	\$957.60	\$957.60

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151193	7/18/2013	2221284	MATHESON ENVIRONMENTAL SERVICE	ASTD ENV SERV, FILTER, DEBRIS, OIL & WATER	\$957.00	\$957.00
151212	7/18/2013	8054370768	VWR INTERNATIONAL LLC	2 PK VIAL COD DIGESTION HIGH RANGE	\$400.11	\$915.59
	7/18/2013	8054357158		2 PK TUBE HYDROGEN SULFUR DETECTOR TUBES	\$115.37	
	7/18/2013	8054357157		2 PK VIAL COD DIGESTION LOW RANGE	\$400.11	
151320	8/1/2013	9176697291	GRAINGER INC	4 EA VIBRATION ISOLATORS	\$25.82	\$888.86
	8/1/2013	9171761415		ASTD TOOLS	\$249.57	
	8/1/2013	9175866780		1 EA CABLE PULL SWITCH	\$604.99	
	8/1/2013	9177065670		1 EA CIRCUIT BREAKER	\$8.48	
151325	8/1/2013	20130710	ANNIE JOSEPH	OUR WATER OUR WORLD PRGM SERV- APRIL - MAY 2013	\$879.04	\$879.04
151239	7/25/2013	20130628	COMMUNICATION & CONTROL INC	UTILITY FEE/ANTENNA RENTAL	\$869.72	\$869.72
151302	7/25/2013	22737	WILEY PRICE & RADULOVICH LLP	LABOR & EMPLOYMENT LAW FEES	\$826.50	\$826.50
151280	7/25/2013	20130722.1	JOSE RODRIGUES JR	EXP REIMB: CWEA MID-SUMMER CONFERENCE	\$762.32	\$822.32
	7/25/2013	20130722.2		EXP REIMB: CWEA MID-SUMMER CONFERENCE	\$60.00	
151267	7/25/2013	55669411	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$459.79	\$803.90
	7/25/2013	55941987		ASTD PARTS & MATERIALS	\$261.22	
	7/25/2013	55690669		5 PACKS BOTTOM-LOAD CLAMPING HANGERS	\$33.52	
	7/25/2013	54835170		1 EA ALUMINUM LEVEL	\$49.37	
151337	8/1/2013	9584392	QUIKRETE NORTHERN CALIFORNIA	112 BGS 60# BLACKTOP PATCH	\$800.05	\$800.05

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151343	8/1/2013	4868173071813	SIERRA SPRING WATER COMPANY	WATER SERVICE 06/21/13 - 07/18/13	\$496.74	\$735.74
	8/1/2013	8122768071813		BOTTLESS COOLERS RENTAL	\$239.00	
151166	7/18/2013	319127	BRENNTAG PACIFIC, INC.	3846 GAL SODIUM HYDROXIDE	\$731.54	\$731.54
151344	8/1/2013	1042098438	THYSSENKRUPP ELEVATOR CORP	STANDBY FOR FIRE TESTING	\$727.50	\$727.50
151351	8/1/2013	29725	WECO INDUSTRIES LLC	2 CABLE ASSY & 8 BULBS	\$709.94	\$709.94
151331	8/1/2013	56148239	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$375.02	\$695.56
	8/1/2013	56279206		ASTD PARTS & MATERIALS	\$132.43	
	8/1/2013	56268489		ASTD PARTS & MATERIALS	\$98.78	
	8/1/2013	56248317		ASTD PARTS & MATERIALS	\$89.33	
151340	8/1/2013	1030043	ROCHESTER MIDLAND CORPORATION	HOT WATER LOOP SERVICE	\$685.90	\$685.90
151187	7/18/2013	9159457499	GRAINGER INC	ASTD TOOLS	\$301.26	\$672.50
	7/18/2013	9160904018		1 EA FUSE	\$12.92	
	7/18/2013	9164480817		1 EA COMBINATION CARTRIDGE	\$57.85	
	7/18/2013	9159896050		ASTD EYE WASH STATION SUPPLIES	\$300.47	
151322	8/1/2013	3G4746	HARRINGTON INDUSTRIAL PLASTICS	1 EA STRAINER BASKET	\$669.75	\$669.75
151334	8/1/2013	20130730	SHAWN NESGIS	EXP REIMB: INK CARTRIDGES	\$181.68	\$652.52
	8/1/2013	20130730.1		EXP REIMB: 200 POUNDS "SCATTER" ODOR CONTROL	\$470.84	
151196	7/18/2013	28578	MYERS SANDBLASTING	SANDBLASTING OF PWAS 1 & TWAS 1	\$650.00	\$650.00
151314	8/1/2013	712254	CUMMINS WEST INC	SERVICE CALL: FILTER CLEANING	\$650.00	\$650.00

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151281	7/25/2013	2278784001	S & S SUPPLIES & SOLUTIONS	12 BXS GLOVE SAFEGRIP XL	\$194.47	\$636.85
	7/25/2013	2278784002		23 BXS GLOVES & 100 BRIEF RELIEF	\$442.38	
151170	7/18/2013	29792	CLAREMONT BEHAVIORAL SERVICES	JUNE 2013 EAP PREMIUM	\$630.20	\$630.20
151235	7/25/2013	29959	CLAREMONT BEHAVIORAL SERVICES	AUGUST 2013 EAP PREMIUM	\$630.20	\$630.20
151227	7/25/2013	9871580	BLAISDELL'S	2 USB DRIVE	\$14.50	\$616.50
	7/25/2013	9871130		12 PKS FOLGERS COFFEE	\$342.60	
	7/25/2013	9869390		ASTD OFFICE SUPPLIES	\$120.57	
	7/25/2013	9871920		1 PK MAIL LABEL	\$9.88	
	7/25/2013	9870900		1 BX POCKET FILE	\$31.59	
	7/25/2013	9869270		ASTD OFFICE SUPPLIES	\$97.36	
151151	7/18/2013	9017084700	AIRGAS NCN	2 CYL ARGON	\$415.29	\$608.30
	7/18/2013	9017131955		ASTD PARTS & MATERIALS	\$193.01	
151247	7/25/2013	9315	FREMONT EXPRESS COURIER SVC	COURIER SERVICES: JUN 2013	\$600.00	\$600.00
151318	8/1/2013	116518877	FREMONT URGENT CARE CENTER	2 FLU VACCINES/2 DOT PHYSICALS	\$144.00	\$596.00
	8/1/2013	20130705		2 NEW HIRE PHYSICAL	\$452.00	
151216	7/25/2013	9910772522	AIRGAS NCN	CYLINDER RENTAL	\$592.08	\$592.08
151161	7/18/2013	135635	BARNETT MEDICAL SERVICES LLC	200 LBS PHARMACEUTICAL WASTE REMOVAL	\$253.00	\$585.00
	7/18/2013	134770		200 LBS PHARMACEUTICAL WASTE REMOVAL	\$332.00	
151222	7/25/2013	4485989	AT&T	SERV: 06/01/13-06/30/13	\$566.31	\$566.31

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151319	8/1/2013	20130731.1	MICHAEL GILL	EXP REIMB: JULY USA NORTH INVEST SERV TIX - MICROSOFT	\$259.00	\$544.90
	8/1/2013	20130731.2		EXP REIMB: CABLES FOR ADMIN TELCO & SERVER RMS	\$133.69	
	8/1/2013	20130731.3		EXP REIMB: CORDLESS DRILL	\$152.21	
151276	7/25/2013	20130724	PETTY CASH	PETTY CASH REPLENISHMENT	\$500.01	\$500.01
151168	7/18/2013	6976	JULIA CERNA	REFUND # 16553	\$500.00	\$500.00
151223	7/25/2013	6905	CHI & WEI LUN AU	REFUND # 16576	\$500.00	\$500.00
151226	7/25/2013	6971	BENJAMIN FRANKLIN PLUMBING	REFUND # 16580	\$500.00	\$500.00
151233	7/25/2013	6663	ADRIAN CHEN	REFUND # 16574	\$500.00	\$500.00
151261	7/25/2013	6825	ANIL KESWANI	REFUND # 16575	\$500.00	\$500.00
151262	7/25/2013	8015	LOOKINGPOINT INC	MONTHLY PREMIER MAINTENANCE - JULY 2013	\$500.00	\$500.00
151287	7/25/2013	6983	STREAMLINE PLUMBING & DRAIN	REFUND # 16581	\$500.00	\$500.00
151214	7/18/2013	9139	WESTERN MACHINE & FAB INC	MFG ADAPTER DRIVE SLEEVE FOR PUMP MOTOR	\$492.75	\$492.75
151310	8/1/2013	151517	BAY CENTRAL PRINTING	BUSINESS CARDS - M POWELL & E MCCORMICK	\$201.48	\$464.28
	8/1/2013	151516		500 CARDS - NEW BUSINESS FOOD/PREPARATION	\$262.80	
151234	7/25/2013	40939	CITYLEAF INC	PLANT MAINTENANCE - JUL 2013	\$437.13	\$437.13
151269	7/25/2013	316264	MOBILE MODULAR MANAGEMENT CORP	FMC TRAILER RENTAL - JULY 2013	\$431.43	\$431.43
151308	8/1/2013	5079978	ALL INDUSTRIAL ELECTRIC SUPPLY	1 LED SCREW IN HI-BAY REPLACEMENT	\$419.39	\$419.39
151160	7/18/2013	200602	AUTO BODY TOOLMART	ASTD PARTS & MATERIALS	\$417.77	\$417.77

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151194	7/18/2013	55221981	MCMASTER SUPPLY INC	12 EA CAM & GROOVE HOSE COUPLINGS	\$72.84	\$387.56
	7/18/2013	55495496		ASTD PARTS & MATERIALS	\$273.39	
	7/18/2013	55019984		1 EA BACK-SUPPORT BELT W/LUMBAR PAD	\$41.33	
151305	7/25/2013	68947491	XEROX CORPORATION	MTHLY MAINTENANCE BASED ON USE	\$10.58	\$386.09
	7/25/2013	68947495		MTHLY MAINTENANCE BASED ON USE	\$109.47	
	7/25/2013	68947487		MTHLY MAINTENANCE BASED ON USE	\$235.30	
	7/25/2013	68947489		MTHLY MAINTENANCE BASED ON USE	\$30.74	
151252	7/25/2013	1376903	HANSON AGGREGATES INC	5.08 TONS 1/2 MED TYPE A	\$381.98	\$381.98
151225	7/25/2013	2634	BAY POWER LLC	ASTD GENERATOR SERVICE PARTS	\$375.79	\$375.79
151279	7/25/2013	8200000006681	RED WING SHOE STORE	SAFETY SHOES - STRASBURG & RIVERA	\$370.00	\$370.00
151312	8/1/2013	9877980	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$150.89	\$355.98
	8/1/2013	9875570		ASTD OFFICE SUPPLIES	\$87.02	
	8/1/2013	9874700		ASTD OFFICE SUPPLIES	\$190.06	
	8/1/2013	9871130C		CREDIT 12 PKS FOLGERS COFFEE	\$-342.60	
	8/1/2013	9874840		ASTD OFFICE SUPPLIES	\$241.49	
	8/1/2013	9875630		ASTD OFFICE SUPPLIES	\$9.94	
	8/1/2013	9877230		8 COMET CLEANER	\$19.18	
151182	7/18/2013	117942	FASTENAL	ASTD PARTS & MATERIALS	\$345.00	\$345.00

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151253	7/25/2013	3G4666	HARRINGTON INDUSTRIAL PLASTICS	2 EA FLANGES	\$33.49	\$336.37
	7/25/2013	3G4723		ASTD PARTS & MATERIALS	\$302.88	
151164	7/18/2013	61357	BEECHER ENGINEERING	THICKENER CONTROL BLDG INTERIM IMPROV	\$330.00	\$330.00
151236	7/25/2013	135461	CLARK'S HOME AND GARDEN INC	1.5 TON BLUE FINES	\$86.66	\$329.35
	7/25/2013	134619		ASTD PARTS & MATERIALS	\$242.69	
151291	7/25/2013	13800071	TRI DIM FILTER CORPORATION	155 TRI-DEK 15/40 2 PLY PADS	\$313.69	\$313.69
151180	7/18/2013	40237	DATCO	JUL 2013 SERVICE FEE	\$309.40	\$309.40
151323	8/1/2013	12384	HAYWARD PIPE AND SUPPLY	ASTD PARTS & MATERIALS	\$296.38	\$296.38
151237	7/25/2013	41008	COAST CRANE COMPANY	REPAIR CRANE SWING FUNCTION	\$293.02	\$293.02
151165	7/18/2013	9865071	BLAISDELL'S	1 FORM HOLDER	\$47.79	\$287.08
	7/18/2013	9860550		1 CUSTOM NAME PLATE	\$13.14	
	7/18/2013	9866650		ASTD OFFICE SUPPLIES	\$155.01	
	7/18/2013	9865070		ASTD OFFICE SUPPLIES	\$13.13	
	7/18/2013	9865080		ASTD OFFICE SUPPLIES	\$58.01	
151177	7/18/2013	20130702	CWEA-NRTC	MEMBERSHIP RENEWAL - A. TARNOWSKI/J. ARROYO	\$280.00	\$280.00
151292	7/25/2013	946000787-720-2013	UNITED STATES TREASURY	FEDERAL EXCISE TAX 2ND QTR 2013	\$275.00	\$275.00
151204	7/18/2013	4352	SKIL-PAINTING INC	6 SANDBLAST 2 INCH X 21' STEEL PIPE	\$252.00	\$252.00
151211	7/18/2013	22624	VALLEY OIL COMPANY	60 CHEVRON MULTIFAK #2 & 20 CHEVRON ULTRA DUTY	\$248.28	\$248.28
151210	7/18/2013	20130701	USA MOBILITY WIRELESS INC	JULY 2013 PAGER SERVICE	\$241.19	\$241.19

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151183	7/18/2013	221348	CITY OF FREMONT	MISC SPOT REPAIRS PHASE 4	\$240.73	\$240.73
151297	7/25/2013	25378	VOX NETWORK SOLUTIONS INC	RELOCATED ANALOG PHONE	\$240.00	\$240.00
151207	7/18/2013	180673613	TRENCH PLATE RENTAL COMPANY	TRENCH PLATE RENTAL	\$221.20	\$221.20
151241	7/25/2013	240102	CURTIS & TOMPKINS LTD	2 LAB SAMPLE ANALYSIS	\$70.00	\$220.00
	7/25/2013	240066		4 LAB SAMPLE ANALYSIS	\$150.00	
151286	7/25/2013	215258401	STEVEN ENGINEERING INC	1 PHOENIX UPS-BAT, UTILITY OUTLET & DIN ADAPTER	\$215.13	\$215.13
151266	7/25/2013	92410	MCINERNEY & DILLON, P.C.	MISC LEGAL SERVICES	\$210.00	\$210.00
151150	7/18/2013	58883	AIR & TOOL ENGINEERING COMPANY	REPAIR APT TAMPER	\$190.70	\$190.70
151205	7/18/2013	4981	THE PUBLIC RETIREMENT JOURNAL	RETIRE SEMINAR REGIS FEE - CORTES	\$190.00	\$190.00
151290	7/25/2013	2040	TNT ENTERPRISES	2 TRAFFIC CONTROL & FLAGGER TRAINING	\$190.00	\$190.00
151352	8/1/2013	20130729	WEF-WATER ENVIRONMENT FEDERATI	WEF MEMBERSHIP A LULLO	\$187.00	\$187.00
151311	8/1/2013	16030400	BECK'S SHOES	SAFETY SHOES - L. BRENNER	\$185.00	\$185.00
151163	7/18/2013	15994300	BECK'S SHOES	SAFETY SHOES: P. NELSON	\$170.45	\$170.45
151213	7/18/2013	20130711	SHARON WEST	EXP REIMB: APA WEBINAR T&A BEST	\$170.00	\$170.00
151185	7/18/2013	20130710	GFOA-GOV FIN OFFICERS ASSOC	MEMBERSHIP RENEWAL: D. KULL	\$150.00	\$150.00
151255	7/25/2013	689849	INTERNATIONAL PAINT LLC	ASTD PAINT SUPPLIES	\$123.30	\$123.30
151254	7/25/2013	600746936	HILLYARD/SAN FRANCISCO	6 EA ARSENAL CLEAN ACTION II 1/2 GAL	\$119.33	\$119.33
151342	8/1/2013	85340220130724	SAN FRANCISCO WATER DEPT	SERVICE 06/20/13 TO 07/22/13	\$118.91	\$118.91
151232	7/25/2013	251073	CENTERVILLE LOCKSMITH	REPLACE SHED KNOB & BOLT - PARTS	\$103.16	\$103.16

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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
151189	7/18/2013	600737598	HILLYARD/SAN FRANCISCO	ASTD JANITORIAL SUPPLIES	\$91.76	\$91.76
151329	8/1/2013	20130731	DAVID LIVINGSTON	EXP REIMB: LUNCH FOR LEAN & GREEN TF SITE VISIT	\$81.28	\$81.28
151221	7/25/2013	20130705	ARGUS, THE	24 WEEK SUBSCRIPTION END 01/14	\$79.20	\$79.20
151178	7/18/2013	20130710	CWEA-NRTC	CERTIFICATE RENEWAL: D. DRAKE	\$77.00	\$77.00
151315	8/1/2013	240133	CURTIS & TOMPKINS LTD	2 LAB SAMPLE ANALYSIS	\$75.00	\$75.00
151348	8/1/2013	9708133723	VERIZON WIRELESS	WIRELESS SERV 06/13/13-07/12/13	\$73.14	\$73.14
151188	7/18/2013	3G4473	HARRINGTON INDUSTRIAL PLASTICS	5 FT TUBING	\$69.60	\$69.60
151316	8/1/2013	615320130718	DISH NETWORK	AUG 2013 - SERVICE FEE	\$54.86	\$54.86
151335	8/1/2013	20130717	MARY PEDRO	EXP REIMB: TSCS ANNUAL EE RECOGNITION	\$50.84	\$50.84
151338	8/1/2013	58084	REMOTE SATELLITE SYSTEMS INTL	IRIDIUM SVC FEE AUG 2013	\$48.95	\$48.95
151321	8/1/2013	8376328	HACH COMPANY	1 EA STANDARD SLN	\$48.37	\$48.37
151330	8/1/2013	3752860	MALLORY SAFETY AND SUPPLY LLC	1 PR MENS BOOTS	\$45.44	\$45.44
151349	8/1/2013	8054534893	VWR INTERNATIONAL LLC	1 PK NALGENE RECTANGULAR BOTTLES	\$37.77	\$37.77
151324	8/1/2013	20130731	ELLIOTT JOHNSON	EXP REIMB: FINGERPRINTING FEE	\$35.00	\$35.00
151264	7/25/2013	77679474	MATHESON TRI-GAS INC	CYLINDER RENTAL - JUNE 2013	\$33.10	\$33.10
151307	8/1/2013	4047286120130716	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 07/16/13- PASEO PADRE	\$33.01	\$33.01
151230	7/25/2013	981289	STATE OF CALIFORNIA	NEW HIRE FINGERPRINTS	\$32.00	\$32.00
151244	7/25/2013	117999	FASTENAL	ASTD PARTS & MATERIALS	\$25.00	\$25.00
151155	7/18/2013	1697538	ANALYSTS INC	1 LAB SAMPLE ANALYSIS	\$22.00	\$22.00

**UNION SANITARY DISTRICT
CHECK REGISTER
07/13/2013-08/02/2013**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
151250	7/25/2013	913640	GROENIGER AND COMPANY	ASTD PARTS & MATERIALS	\$21.80	\$21.80
151159	7/18/2013	4462425	AT&T	SERV: 05/20/13 - 06/19/13	\$15.62	\$15.62
151156	7/18/2013	7000663071	APPLIED INDUSTRIAL TECHNOLOGIE	ASTD PARTS & MATERIALS	\$8.41	\$8.41

Invoices:

Credit Memos :	1	-342.60
\$0 - \$1,000 :	192	58,841.33
\$1,000 - \$10,000 :	92	300,647.99
\$10,000 - \$100,000 :	19	545,139.61
Over \$100,000 :	7	1,531,996.19
Total:	311	2,436,282.52

Checks:

\$0 - \$1,000 :	110	44,181.65
\$1,000 - \$10,000 :	66	203,428.88
\$10,000 - \$100,000 :	20	553,699.62
Over \$100,000 :	7	1,634,972.37
Total:	203	2,436,282.52

INFRASTRUCTURE

Sewer work's obstacle course

Maze of old tunnels, buried ships slow job near S.F. waterfront

By **Kale Williams**

On the surface, San Francisco is in a growth spurt, with new construction dotting the landscape and tech companies sprouting like weeds in South of Market lofts.

But below the streets lies an older San Francisco, one filled with buried ships, abandoned tunnels and aging sewer pipes on the brink of failure.

"They don't even make this stuff anymore," said Alan Wong, holding a piece of square rebar that he had just pulled from the side of an open sewer pit 12 feet below the surface of Drumm Street.

Wong, a senior construction inspector with the San Francisco Public Utilities Commission, explained that modern rebar is round and that construction crews hadn't used the square stuff for decades.

"This whole area used to be produce and slaughterhouses," Wong said, yelling over the sound of jackhammers working to excavate the foundation of a building buried beneath the street in front of the Hyatt Regency Hotel.

In a city with nearly 1,000 miles of sewer lines, the majority of which were built before 1970, the PUC is in a race to replace much of the city's underground infrastructure before a catastrophic failure, while at the same time navigating a subterranean jungle of buried relics from San Francisco's past.

Sewers continues on C2

Buried relics slow progress on sewer work

Sewers from page C1

The waterfront, as it appears today, did not exist in the early 1900s. The San Francisco Bay stretched to Market and First streets and curved as far inland as Montgomery Street. The Financial District was a shallow landing area for small ships intersected by a dozen wharves used to offload cargo from larger vessels moored in the deeper waters offshore.

Small ships scuttled

As time went on, much of this area was filled in to serve the needs of San Francisco's expanding population. Small ships were scuttled and buried. Brick sewers were built and abandoned. Buildings sprang up between the city's wharves, and eventually the present-day waterfront was established along the Embarcadero.

With each wave of development that washed over the waterfront, the wharves, buried ships and building foundations were paved over, built on, and paved over again. What was left beneath the streets of downtown San Francisco was a labyrinth of obstructions that the PUC now has to work its way through as it attempts to replace an antiquated sewer system.

When a 2011 report described more than 15 percent of the city's sewers as "very high risk," the city decided it needed to rapidly increase replacing the aging lines.

On the brink of falling

The 2011 report was based on a new inspection method that looked at data from a multitude of sources — including analyzing more than 17,000 work orders — to identify the sewer lines at the highest risk for failure and target inspections accordingly.

Previously, the sewers in San Francisco were inspected based on their estimated life cycle, but that didn't take into account the vastly different conditions that exist under city streets, according to Lewis Harrison, collection system division manager with the PUC.

The new method of inspections showed nearly 160 miles of pipes were at a high

risk of failure, Harrison said.

When pipes fail, there's weak water pressure, interruptions in service and sewage leaking onto city streets.

To avert a massive failure, the PUC has drastically increased the amount of sewer lines it replaces per year.

"We need to do 15 miles a year for 10 years to even make a dent in the problem," Harrison said.

In fiscal year 2009-10, the PUC replaced just 3.7 miles of old sewer lines. Over the next three years, replacement figures jumped to nearly 12 miles per year, with PUC officials estimating that they would hit the 15-mile goal by 2014.

"It's not really a sexy issue," Harrison said. "But it's under our feet everyday. You put a pipe in the ground and expect it to last forever, but that's just not the case."

Navigating a maze

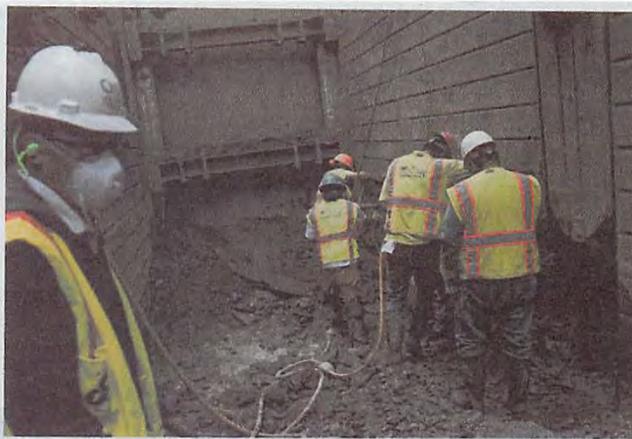
Replacing sewer lines is a time-consuming and costly business — the city has authorized \$2.7 billion for sewer improvements over the next 10 years — but when underground obstructions are found, those costs only increase, according to Bessie Tam, senior project manager with the PUC.

"We knew the bay was higher, but what we didn't know was that this whole area was built on fill," she said. "We never know what we're going to find down there."

That fact is more than apparent at the Drumm Street construction site. Since the project broke ground in fall 2012, the contractor has hit major obstacles at each of the four intersections they have tunneled through, each one adding significant delays and increasing the cost of the project by an estimated \$250,000. Despite the challenges crews have faced, replacing aging sewers should remain a high priority, said PUC program manager Karen Kubick.

"These programs are immensely important," she said. "We're really one major failure away from becoming a Third World country."

Kale Williams is a San Francisco Chronicle staff writer. E-mail: kwilliams@sfchronicle.com Twitter: @shortleafkale



Construction workers drill through old concrete foundations to create a redundant sewer system at Drumm Street. Nearly 160 miles of pipes in San Francisco are at a high risk of failure.

Buried ships along San Francisco's waterfront



VESSELS

- | | | |
|-----------------|---------------------|-------------------|
| 1 Le Baron | 17 Brilliant | 33 Thomas Bennett |
| 2 Palmyra | 18 Balance | 34 Henry Lee |
| 3 unknown | 19 Globe | 35 Tecumseh |
| 4 Japan | 20 Alida | 36 unknown |
| 5 Envoy | 21 Hardle | 37 Salem |
| 6 Philip Hone | 22 Noble | 38 Autum |
| 7 Fortuna | 23 Bethel | 39 unknown |
| 8 Arkansas | 24 Georjean | 40 unknown |
| 9 Garnet | 25 Louisa | 41 unknown |
| 10 Cardova | 26 Niantic | 42 Rome |
| 11 Elmira | 27 General Harrison | 43 Othello |
| 12 Inez | 28 Fame | 44 Byron |
| 13 Edwin | 29 Francis Ann | 45 Trescott |
| 14 Almandralina | 30 Elizabeth | 46 Panama |
| 15 Ricardo | 31 Apollo | 47 Callao |
| 16 Magnolia | 32 Euphemia | |

WHARVES

- | |
|---------------------|
| A North Point Dock |
| B Griffing's |
| C India Dock |
| D Cowell's |
| E Law's |
| F Cunningham's |
| G Vallejo Street |
| H Broadway |
| I Pacific Street |
| J Jackson Street |
| K Washington Street |
| L Clay Street |
| M Commercial/Long |
| N California Street |
| O Market Street |
| P Mission Street |
| Q Howard's |

Source: Ron Fillion, www.sfgenealogy.com

Todd Trumbull / The Chronicle



A construction team works on the Drumm Street project, part of the effort to replace miles of sewer lines in San Francisco.

Bay Area sea gull population explodes, bringing flocks of problems

*By Paul Rogers progers@mercurynews.com Contra Costa Times
Posted:*

InsideBayArea.com

HAYWARD -- Every summer day, volunteers and park workers stand guard on a small island in San Francisco Bay. At the first sign of a threat, they race into action -- blowing whistles, clapping hands and blasting horns.

Their goal: to do whatever it takes to chase away flocks of voracious sea gulls trying to eat tiny endangered birds called least terns that lay eggs at Hayward Regional Shoreline Park. Occasionally, the East Bay Regional Park District even calls out sharpshooters.

The unusual showdown is a small part of a larger drama. In an alarming trend that has scientists scrambling for answers, the bay's population of California Gulls -- squawking, flapping white-and-gray birds that most people associate with the beach -- has exploded from 24 birds in 1980 to more than 53,000 today. In the last two years alone, their numbers soared 41 percent, making the Bay Area home to the second-largest population of California Gulls in the world, behind only Utah's Great Salt Lake.

"It's gone gangbusters," said Dave Shuford, a top Marin County gull biologist. "It's been amazing to follow."

Nobody knows how to stop the population boom. And the problems are mounting: The gulls are increasingly colliding with airplanes, even causing several aborted takeoffs and landings at Bay Area airports. They're swarming landfills, divebombing schools and neighborhoods and gobbling up shorebirds that public agencies have worked for years to bring back from near extinction.

Scientists say the gulls have become a serious threat to the largest wetlands restoration on the West Coast, the effort to restore 15,100 acres of former Cargill industrial salt ponds in the South Bay back to tidal marshes. A central goal of that project, which already has cost taxpayers more than \$300 million, is to bring back endangered species.

"This is one of the issues I lose sleep over," said John Bourgeois, who heads the South Bay Salt Pond Restoration Project, a consortium of government agencies.

The gulls have formed 10 huge colonies on bay levees off Union City, Fremont, San Jose and Palo Alto, occasionally venturing as far north as Richmond and Alcatraz Island.

Nobody knows why the birds decided to settle in the Bay Area. One theory is that they came from Mono Lake in the Eastern Sierra after Los Angeles pumped down water levels there in the late 1970s and exposed their nests to hungry coyotes. Another is that a few of the birds simply decided decades ago that the levees of San Francisco Bay were a good place to build nests and lay eggs. And thousands more followed.

Landfills and garbage bins, which offer an endless food supply, are now helping them thrive, experts say.

"It's like eucalyptus trees or weeds," said Bob Power, executive director of the Santa Clara Valley Audubon Society. "It's something that was in harmony and all of a sudden is completely out of whack."

Few solutions in sight

Some Bay Area residents say the answer is clear.

"These sea gulls, they need some thinning," said Gilroy retiree Bill Valiquette, a lifelong Bay Area resident who has seen gull problems dramatically worsen. "Just go around and collect the damn eggs and throw them in the garbage. There's too damn many to shoot. You'd have to take 15 guys with double-barrel shotguns and go crazy."

Wildlife experts say government biologists can't simply massacre thousands of gulls. The public outcry would be too great.

That was certainly the case in 1996, when flocks of great black-backed and herring gulls took over islands at Monomoy National Wildlife Refuge off Cape Cod, Mass., prompting the U.S. Fish and Wildlife Service to approve a plan to feed 5,700 of them pieces of bread laced with poison. Lured by expanding landfills and commercial fish waste, the gulls were wiping out endangered piping plovers and roseate terns by eating their nests and chicks.

But the experiment began falling apart after the dying gulls flew over wealthy coastal areas.

"They died in people's pools and yards and on playgrounds," said Libby Herland, manager of the Eastern Massachusetts National Wildlife Refuge Complex. "There was a public uproar."

Now, the refuge chases gulls off sensitive island areas instead. It also destroys gull nests and eggs while occasionally shooting a few of the most aggressive ones each year. Cape Cod shorebirds are returning, in part because nearby garbage dumps have closed.

Biologists could also destroy thousands of gull nests in the Bay Area. But California Gulls lay up to three eggs a year, and each can live to be 25 years old.

Even if all of the gulls' eggs were destroyed tomorrow, "because they are such a long-lived species, you wouldn't see results for 20 years," said Cheryl Strong, a biologist with the Don Edwards San Francisco Bay National Wildlife Refuge in Fremont. "And with 53,000 birds, times three eggs per pair, we don't have the staff or the money."

It's not like they're running out of food, either.

California Gulls eat fish, garbage, bugs, even their own eggs and young.

"Gulls are tough. They are persistent," Shuford said. "They'll eat anything. If they were

fragile, they wouldn't be causing a problem."

Environmental laws are also blocking a quick solution.

Some people might think of gulls as flying rats. But along with condors, trumpeter swans and other beloved birds, they are protected under one of America's oldest environmental laws: the Migratory Bird Treaty Act of 1918. That's because gulls live in the winter on the Pacific Coast and migrate inland every spring to lay eggs.

The law makes it illegal to kill any California Gull or destroy its eggs without a permit from the U.S. Fish and Wildlife Service.

Gulls vs. planes

As the number of gulls grows, so do the problems.

From 2003 to 2012, gulls collided with airplanes 57 times at Mineta San Jose International Airport, a 50 percent jump from the previous decade.

Many of the incidents caused little or no damage. But some have been eye-opening. In June 2012, gulls struck a Southwest Airlines jet landing in San Jose, causing \$50,000 damage to an engine. In 2009, a United Airlines flight carrying 140 passengers was forced to abort a takeoff after it hit 10 gulls, damaging an engine and its radar system while racing down a rainy runway.

Under pressure from the Federal Aviation Administration, the airport is spending \$100,000 this year to hire a biologist from the federal Wildlife Services agency to harass and possibly shoot gulls and other birds that could put flights at risk, although so far no gulls have been killed.

Most of the gulls' population boom has been south of the San Mateo Bridge, so neither San Francisco International Airport nor Oakland airport has reported an increase in gull strikes. In April 2012, however, a United Airlines 747 bound for Hong Kong from San Francisco was climbing after takeoff when a gull flew into its engine, causing vibration and stalling. The plane returned to the airport to make an emergency landing.

Smaller planes have also been hit.

"I heard a thunk, and then the gull was physically wrapped around my wing," recalled Robert French, of Woodland, who flew into a group of gulls in July 2012 with his two-seat Cessna 152 while landing at Palo Alto Airport. "I was very lucky. If the bird had hit the windshield, it could have broken it and come into the cockpit, which would have been a real problem."

French, an astronomer at the SETI Institute in Mountain View, said the gull caused \$2,000 damage to his plane.

In some cases, birds cause a lot more havoc in the skies.

California Gull

Larus californicus



- **Length:** 21 to 22 inches
- **Wingspan:** 48 to 54 inches
- **Diet:** Feeds on insects, rodents, fish, the eggs and young of other birds, and garbage.
- **Habitat:** California Gulls mostly spend the winter along the coast — as far north as British Columbia, and as far south as Baja California. Some stay in the Central Valley and in Southern California; some stay year-round in San Francisco Bay.
- **Breeding:** Most California Gulls don't breed until they are 3 or 4 years old. In March and April, they fly to the bay or points inland to breed, build nests and lay eggs. Laid in April and May, the eggs take about one month to hatch. By the end of July, the chicks begin to leave. The adults head back to the coast in August and September.

Capt. Chesley "Sully" Sullenberger famously hit a flock of Canada geese after takeoff from New York City in 2009. After his US Airways jet lost power, he was forced to make a daring landing on the Hudson River.

Bird strikes on planes in the U.S. cause an estimated \$718 million damage a year, according to FAA data. Large birds like Canada geese and brown pelicans are among the most dangerous, but gulls are hit the most, followed by pigeons and raptors.

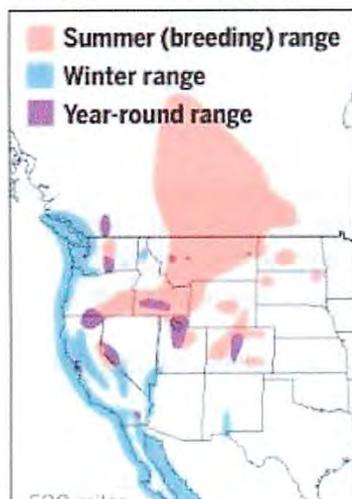
Nearly every major airport has permits to kill birds that threaten aircraft safety. Still, at least 231 people have been killed worldwide in plane crashes caused by birds since 1988.

Growing nuisance

In some places, the growing gull population isn't a safety threat so much as a major nuisance.

In the fall and winter, huge flocks of gulls descend on San Jose's Pioneer High School, fouling roofs and outdoor areas where students eat. The birds have mobbed the Almaden Winery neighborhood and other schools nearby.

"Until I saw it for myself, I couldn't believe it," said Stefani Garino, Pioneer's principal. "At certain times of the school year, there are literally hundreds and hundreds of birds on the roof of our gym and theater. Something will spook them, and they'll all start flying at once. If it's during a time when kids are out, like during lunch, enough of them have been pooped on that they all go running and screaming for shelter."



Landfills are targets, too.

Newby Island landfill near Milpitas spends \$300,000 a year to pay for 15 trained falcons, dogs, propane cannons and other tools to keep gulls from eating trash. "It's a constant battle," said Rick King, the landfill's general manager.

Thousands of gulls are also vexing Guadalupe Landfill in South San Jose, where they may have moved after being chased off Newby Island. Guadalupe spends about \$100,000 a year on propane cannons and other hazing tools.

Landfill operators are sensitive about the issue. Not only are they required by state law to keep nuisance animals away from

trash, they also know their facilities can be a major source of food for the gulls, which makes the landfills a target of angry neighbors or biologists trying to solve gull problems.

Endangered snacks

The landfills don't have federal permits to kill gulls. But increasingly Bay Area biologists do.

In September, scientists at the Don Edwards National Wildlife Refuge in Fremont applied for a "depredation permit" that allows them to destroy eggs and kill problem gulls and other birds that kill endangered terns and snowy plovers in bay wetlands. But the permit, issued in March by the U.S. Fish and Wildlife Service, caps the number of California Gulls the refuge can kill at 40 per year.

Wildlife officials acknowledge that the permit won't reduce the overall number of gulls.

"Philosophically, it's not the role of the Fish and Wildlife Service to control populations of wildlife," said John McCamman, the agency's acting assistant regional director. "We're here to protect and ensure their livelihood, not kill them."

The permit also says the birds can't be killed unless biologists have exhausted other remedies first, such as trying to scare them away with whistles, or using protective fencing. The idea is to take out the "bad actors" -- gulls that do a disproportionate amount of harm to endangered shorebirds.

Promising research from the East Bay shows it actually might work.

When 150 California Gulls descended on a colony of endangered least terns at Hayward Regional Shoreline Park in 2005 and 2006 to feast on their eggs, the terns abandoned their nests. But East Bay parks officials fought back, securing a permit to kill up to 45 gulls a year.

Wildlife Services officials used shotguns to kill 20 of the most aggressive gulls a year on average from 2007 to 2011. And now the park is home to the second-largest least tern colony in the bay.

"Individual birds have a learned behavior. They become specialist predators -- Charles Manson gulls," said Dave Riensche, a biologist with the East Bay Regional Park District. "If you remove them, problem solved. It's like in the schoolyard, if you remove the bully, the other kids don't learn that behavior."

With the worst gulls gone, he said, last year the park district only needed to kill two gulls.

Outnumbered

But the Don Edwards refuge is much larger. It has only one intern who searches 30,000 acres -- an area the size of San Francisco -- every few days for gulls killing endangered species. And with federal budget cuts, the refuge received no new funding for gull control

this year.

So far, not a single gull has been killed under the refuge's permit, Strong said.

The gulls greatly outnumber endangered species. Most recent counts show only 202 Western snowy plovers and 509 breeding pairs of California least terns living in the bay.

"We are trying to save the species that can be wiped out at any point," said Eric Mruz, manager of the Don Edwards refuge. "When you have 50,000 gulls and a few dozen plovers, we have to focus on the plovers."

Bay Area environmentalists largely support the refuge's plan.

"It's not about going out and just killing things," said Catherine Burns, executive director of the San Francisco Bay Bird Observatory, which has used whistles and other tactics to scare gulls from shorebird nesting areas.

"It's about using the least harmful methods, then escalating strategies if they don't work."

The only long-term solution, says one of the nation's top wildlife experts, is to constantly chase the gulls away, disrupt their nests, better manage landfills and occasionally shoot a few of the most aggressive gulls.

For 40 years, Steve Kress has worked to restore puffins and other birds on rocky islands off the Maine coast. He said that shooting large numbers of gulls doesn't work.

"Gulls are very smart," said Kress, a vice president of the National Audubon Society. "They learn the distance a rifleman can shoot. They stay just out of range, from watching others."

Another option if things worsen in the Bay Area, said McCamman of the Fish and Wildlife Service, would be for his agency to issue a "general depredation order" to allow anyone to destroy gull nests and eggs on their property. The agency has had success with a similar program it put in place in 2006 to control Canada geese.

For now, however, officials at the Don Edwards refuge are doing what they can, hoping the gull population slows.

"It's got to plateau at some point," Strong said. "Could it double again in the next few years? I don't want to think about that."

Paul Rogers covers environmental issues and resources. Contact him at 408-920-5045. Follow him at [Twitter.com/PaulRogersSJMN](https://twitter.com/PaulRogersSJMN).