



BOARD MEETING AGENDA
Monday, February 23, 2015
Regular Meeting - 7:00 P.M.

Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

David M. O'Hara
Attorney

1. Call to Order.

2. Pledge of Allegiance.

3. Roll Call.

- Motion 4. Approve Minutes of the Meeting of February 9, 2015.

5. Monthly Operations Report *(to be reviewed by the Budget & Finance Committee)*.
 - a. Second Quarter FY15 District-wide Balanced Scorecard Measures.
 - b. Treatment & Disposal Scorecard.
 - c. FMC Scorecard.
 - d. Monthly Odor Report & Financial Reports.

6. Written Communications.

7. Oral Communications.

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

- Information 8. Information Items:
 - a. Check Register.

- Information 9. Committee Meeting Reports. *(No Board action is taken at Committee meetings)*:
 - a. Budget & Finance Committee – scheduled for Thursday, 2/19/15 at 4:30 p.m.
 - b. Construction Committee – will not meet.
 - c. Legal/Community Affairs Committee – will not meet.
 - d. Personnel Committee – will not meet.

- Information 10. General Manager's Report. *(Information on recent issues of interest to the Board)*.

Information

-
11. Other Business:
 - a. Comments and questions. *Directors can share information relating to District business and are welcome to request information from staff.*
 - b. Scheduling matters for future consideration.
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12. Adjournment – The Board will adjourn to the Sewer Service Charge Rate Study Workshop in the Boardroom on March 5, 2015 at 6:30 p.m.
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13. Adjournment – The Board will then adjourn to the next Regular Meeting in the Boardroom on Monday, March 9, 2015, at 7:00 p.m.
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The Public may provide oral comments at regular and special Board meetings; however, whenever possible, written statements are preferred (to be received at the Union Sanitary District at least one working day prior to the meeting).

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

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

THE PUBLIC IS INVITED TO ATTEND

**NOTICE OF
COMMITTEE MEETING**

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



BOARD MEETING OF FEBRUARY 23, 2015

Committee Membership:

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

Budget & Finance Committee, Thursday, February 19, 2015 at 4:30 p.m.

5. Monthly Operations Report
 - a. Second Quarter FY15 District-wide Balanced Scorecard Measures
 - b. Treatment & Disposal Scorecard
 - c. FMC Scorecard

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
FEBRUARY 9, 2015**

CALL TO ORDER.

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

PLEDGE OF ALLEGIANCE.

ROLL CALL.

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

STAFF: Paul Eldredge, General Manager/District Engineer
Dave O'Hara, District Counsel
Rich Cortés, Business Services Manager
Sami Ghossain, Technical Services Manager
James Schofield, Collection Services Manager
Armando Lopez, Treatment & Disposal Services Manager
Robert Simonich, Fabrication, Maintenance, & Construction Manager
Kathy Destafney, Business Services Coach
Judi Berzon, Human Resources Administrator
Mohammad Ghoury, Engineering Technician II
Regina McEvoy, Assistant to the GM/Board Secretary

APPROVAL OF THE MINUTES OF JANUARY 26, 2015.

It was moved by Secretary Handley, seconded by Director Kite, to Approve the Minutes of the Board of Director's Meeting held January 26, 2015. Motion carried unanimously.

WRITTEN COMMUNICATIONS.

There were no written communications.

ORAL COMMUNICATIONS.

There were no oral communications.

RESOLUTION NO. 2752, ACCEPTING CONSTRUCTION OF THE UPPER HETCH HETCHY CORRIDOR SANITARY SEWER REHABILITATION PROJECT FROM SAK CONSTRUCTION AND AUTHORIZING THE ATTORNEY FOR THE DISTRICT TO RECORD A NOTICE OF COMPLETION.

The Construction Committee reviewed this item. Sami Ghossain stated the Board awarded a construction contract to SAK Construction for the Upper Hetch Hetchy Corridor Sanitary Sewer Rehabilitation Project on May 12, 2014. The purpose of the project was to rehabilitate an existing reinforced concrete trunk sewer which runs from Sacramento Avenue and Argonaut Way to the vicinity of Selma Avenue and Granville Drive in Fremont. SAK Construction

substantially completed the project on January 23, 2015, and the District has assumed beneficial use.

It was moved by Director Kite, seconded by Director Lathi, to Adopt Resolution No. 2752, Accepting Construction of the Upper Hetch Hetchy Corridor Sanitary Sewer Rehabilitation Project from SAK Construction and Authorizing the Attorney for the District to Record a Notice of Completion. Motion carried unanimously.

APPROVE THE HUMAN RESOURCES STAFFING PLAN.

The Personnel Committee reviewed this item. Rich Cortés stated, due to upcoming retirements, the Business Services Workgroup has undertaken an analysis of the structure and staffing needed to continue providing the highest level of service to all customers. There are currently three FTE's (Full Time Employees) in Human Resources (HR), and the ratio of HR staff to employees is 1:46.67. The proposed structure would acknowledge that the HR Administrator works most closely with the General Manager thereby removing the current requirement for the Business Services Coach to have an HR background. The HR Administrator would supervise the Organizational Support Team, which includes HR staff. If the proposed structure is approved, an additional HR Analyst would be needed to maintain a minimum of three FTE's in Human Resources.

It was moved by Vice President Toy, seconded by President Fernandez, to Approve the Human Resources Staffing Plan and Add an Additional Human Resources Analyst Position to the Organization Chart and Budget. Motion carried unanimously.

APPROVE REDUCTION IN NEW WORK GROUP MANAGER MANGEMENT & ADMINISTRATION LEAVE (MAL) EFFECTIVE JANUARY 1, 2016, AND UNCLASSIFIED EMPLOYEES RULES AND REGULATIONS.

The Personnel Committee reviewed this item. Judi Berzon stated this item is a result of direction received from the Board at the Unclassified Staff Benefits Workshop held December 15, 2014. If approved, Work Group Managers hired after January 1, 2016 will receive 64 hours of MAL per year rather than the current 40 hours of MAL leave and 40 hours of paid MAL.

It was moved by Director Lathi, seconded by Vice President Toy, to Approve the Reduction in New Work Group Manager Management & Administration Leave Effective January 1, 2016, and Unclassified Employees Rules and Regulations. Motion carried unanimously.

INFORMATION ITEMS:

Check Register. All questions were answered to the Board's satisfaction.

Debrief for the December Wet Weather Outfall Exercise.

The Legal/Community Affairs Committee reviewed this item. Armando Lopez stated that during the large storm event on December 11, 2014, Plant Operations staff exercised the wet weather bypass valve to Old Alameda Creek. The exercise lasted 11 minutes, during which time approximately 56,500 gallons of treated effluent were discharged to the creek. Though the chlorine residual was confirmed to be zero at the start of the exercise, staff detected a low chlorine residual during the exercise. Steps were taken to address the issue as soon as it was identified, and programming changes were made. The residual chlorine limit in the NPDES permit is zero and this exceedance was reported to the Regional Water Quality Control Board on December 16, 2014. Staff addressed the issue by adjusting the disinfection system control. The Regional Board was notified of the adjustment on January 13, 2015. The Regional Board may levy the mandatory minimum penalty of \$3,000 for this violation.

COMMITTEE MEETING REPORTS:

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

GENERAL MANAGER’S REPORT:

Paul Eldredge reported the following:

- The Plant performed well during the recent series of storms and saw peak flows of 39mgd on Friday, 42mgd on Saturday, and 48mgd on Sunday.
- Proposals for District legal counsel are due this week. Finalists are scheduled to be interviewed by the Board next month. Paul and Dave O’Hara will review the proposals, and generate a short list of firms to be interviewed.
- Rich Czapkay was selected as the new Collection Services Coach.
- Interviews for Treatment & Disposal Services Coach were held last week, and a decision may be made as early as this week.
- Recruitment for Fabrication, Maintenance, and Construction Coach was scheduled to close February 20, 2015, but will be extended to March 12, 2015.
- Former USD employee Lee Doty passed away recently. Mr. Doty was an employee of the District from 1966 to 1997.

OTHER BUSINESS:

There was no other business.

ADJOURNMENT:

The meeting was adjourned at 7:30 p.m. to the Newsletter Draft Review Workshop in the Boardroom on Thursday, February 19, 2015 at 5:00 p.m.

The Board will then adjourn to the next Regular Meeting in the Boardroom on Monday, February 23, 2015 at 7:00 p.m.

SUBMITTED:

ATTEST:

REGINA McEVOY
SECRETARY TO THE BOARD

TOM HANDLEY
SECRETARY

APPROVED:

MANNY FERNANDEZ
PRESIDENT

Adopted this 23rd day of February, 2015



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Paul R. Eldredge
General Manager
District Engineer

David M. O'Hara
Attorney

Date: February 23, 2015

To: Board of Directors – Union Sanitary District

From: Paul Eldredge, General Manager/District Engineer
Laurie Brenner, Organizational Performance Program Manager

Subject: Agenda Item No. 5a –Meeting of February 23, 2015
Second Quarter FY15 District-wide Balanced Scorecard Measures

Recommendation:

Information only.

Background:

This report summarizes progress meeting the District's strategic objectives through the second quarter of fiscal year 2014-15.

Safety

The District experienced one employee injury (knee) during the second quarter of FY 15 quarter, but has exceeded the target for the year with 3 total accidents with lost days YTD.

The average FTE on Limited Duty was 0.50 for the quarter, with the YTD now at 0.72, above the established target value of ≤ 0.5 ; however, with improved performance for the remainder of the year, it is still possible to achieve targeted performance. The total cost of Limited Duty was \$6,240 in Q2; YTD performance is not currently exceeding the annual target, but is of concern YTD at \$17,815 (approximately 76% of the annual target).

Most other safety measures are meeting targets, with exceptions in number and cost of vehicle or equipment incidents and average percent of targeted employees being trained against plan. So far this year, there have been 2 incidents of vehicle damage, with an annual goal of ≤ 2 . Only 77% of employees received planned safety training in Q2, and the YTD performance in the measure is currently 83.5% against the target of $\geq 90\%$.

The X-Mod for the District is above target at 1.16, as was reported at the end of FY 14.

See Table 1: Safety Objectives and Measures, for District performance against all safety measures in Q1.

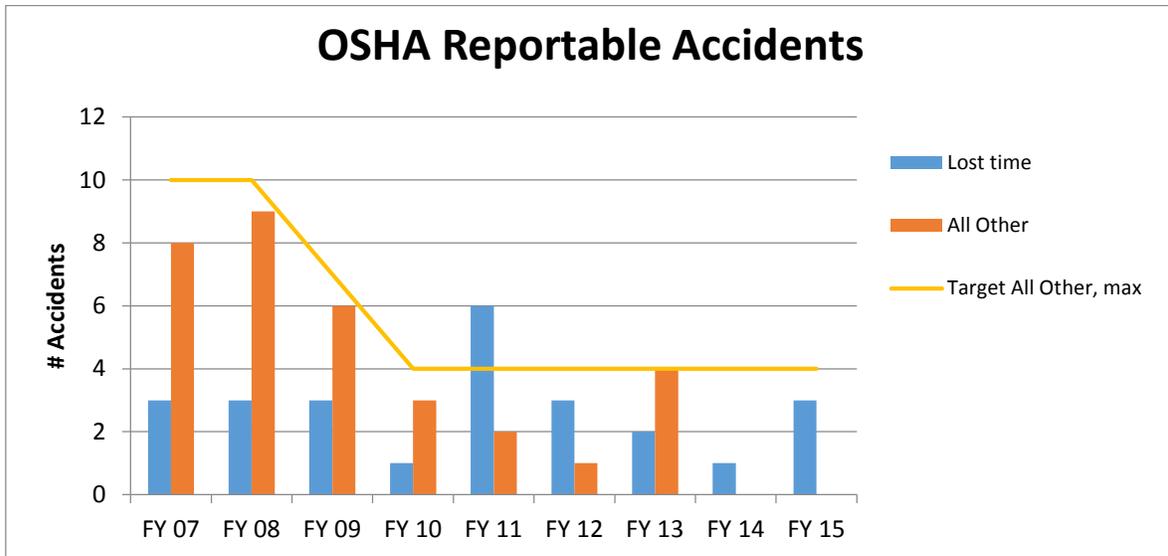


Table 1: Safety Objectives and Measures

Objectives	Measures	FY 15 to Date	Annual Target	FY14	FY 13	Current FY Comments
Reduce the number of accidents	Total accidents with lost days	3	0	1	2	In Q1-Left hand 8/12/14; right shoulder reported 8/14/14, occurred on 5/25/14; left knee in Q2
	Other OSHA reportable accidents	0	≤4	0	4	
Reduce the impact of accidents on employees and the District	Ave FTE lost time	0.44	≤0.5	0.05	0.25	Costs still less than half of annual target
	Cost lost time	\$22,422	≤\$46,883	\$4,897	\$19,611	
	Ave FTE limited duty	0.72	≤0.5	0	0.15	76% of annual target by Q2; area for concern
	Cost limited duty	\$17,815	≤\$23,442	0	\$6404	
	X-mod	1.16	≤1.0	0.95	0.85	Annual measure
	Incidents of vehicle or equipment damage	2	≤2	4	2	Mirror knocked off AC Transit bus in Q2- no claim filed to date
Costs associated with vehicles or equipment	\$444.18	≤\$5000	\$7,265	\$0	No costs reported in Q2	

Table 1: Safety Objectives and Measures, continued

Objectives	Measures	FY 15 to Date	Annual Target	FY 14	FY 13	Current FY Comments
Identify and correct poor practices and potential hazards	# Facility inspections	2	4	4	4	
	% of areas of concern corrected within 45 days	93%	≥90%	92%	93%	Improvement over Q1 performance
	# management work site observations	127	≥266 /yr	323	332	Management changes impacted this measure in Q2, but this is not a material concern
Implement industry best practices	# best practices site visits	0	≥2	2	2	None planned in Q1 or Q2; planning a site visit to DSRSD in Q3; looking outside our industry for opportunities now
Communicate our commitment to safety	# GM communication on status of safety program & performance	5	≥4	6	7	Safety Strategy update in Q1; multiple in Q2
	# safety strategy reviews conducted by ET and EHSPM	3	6	6	6	Reviews of prior and drafted strategies in Q1, current strategy in Q2
Increase employee awareness	# of major safety training events offered	5	7	7	5	Hazmat Handler in Q1; Forklift, Excavation, Construction Flagger, Earthquake Hazards I the Workplace in Q2
Educate employees in safe work practices	% of targeted employees trained	83.5%	≥90%	91.8%	96.6%	
	Positive Responses on Employee Safety survey	NA	≥75%	83%	NA	Not issued yet

Green = met or exceeded target; or projected to meet annual target
Yellow = will not meet annual target *if trend continues*; needs attention
Red = Will not meet annual target by >10%; corrective action needed

Operational Excellence

The District is meeting targets for most operational excellence measures YTD. Exceptions are explained below.

Both the % of Operating Expenditures and Priority 1 Special Projects Expenditures measures in the scorecard were slightly below target values in Q2, coming in at 47% and 17% respectively against annual targets of 95-103% and 80-110% for the measures; however, this is not a material concern per the Principal Financial Analyst.

There was one Category 1 SSO in Q2 on Palm Avenue in Fremont. 445 of 495 gallons reportedly captured; however, approximately five gallons did impact State waters. The remaining material was lost to evaporation. Roots were determined to be the causal factor in this event.

The target number of individual competency assessments for the Collections Services team was raised significantly from 27 in FY 14 to 52 in FY 15; however, only ten total have been completed as of the end of Q2, which is of concern (under 20% of planned annual total). Management changes in the team may have impacted this measure.

Although no target currently exists, 47% of the District staff participated in the redesigned Alternate Compensation Goals Program in FY14.

See Table 2, Operational Excellence Objectives and Measures, for District performance against all operational measures through Q2.

See Table 3 for a list of public relations activities completed to date in FY 15.

Table 2: Operational Excellence Objectives and Measures

Objectives	Measurements	FY 15 to Date	Annual Target	FY 14	FY 13	Comments/ Progress
Stewardship: Demonstrate responsible stewardship of assets and the environment Be prepared for emergencies	Progress meeting public relation program goals: % qtrly milestones met	100%	≥90%	98%	111%	20% in Q1; 15% in Q2; 100% as planned for the qtr.
	# emergency preparedness drills or training events	3	3	3	2	All teams trained on Earthquake Preparedness in Q2; annual goal already achieved
Service: Provide reliable, high quality service	Total number of adverse impacts USD activities have on external customers	2	≤10	12	7	Q1-Misinformation leading to financial loss and new claim pending; Q2- sewer not connected (from 1999) identified and resolved
	Response to Contact USD messages: % within 3 days	95.8%	≥90%	95%		48/50 in Q1; 22/23 in Q2
	Response time to service calls: % within 1 hour	97.8%	≥95%	97.1%	98%	83 call outs in Q1; 115 in Q2 (Q1 value updated)
Fiscal responsibility: Ensure funding for critical programs and projects, while maintaining comparable rates Accurately project and control costs	Operating (previously ECB) Expenditures, % of Board approved budgeted	47%	95-103%	95%	97%	Not a concern- almost 50% expended by end of Q2
	Priority 1 Special Projects Expenditures (previously Priority Non-ECB), % of budgeted	17%	80-110%	84%	95%	Not a concern
	Residential Sewer Service Charges	15.3%	<33 rd	11.5th	12th	Survey from 1/15/15
	# regional projects with financial benefit	3	≥3	2	4	Target changed to ≥3 for FY 15; Continued participation in BACC, BACWWE Operator training program, CASE
Asset Management: Manage and maintain assets and infrastructure	# critical asset failures; no negative impact	0	≤2	1	0	
	# failures with negative impact	0	0	0	0	
	# priority CIP projects completed	94%	85% of planned	9	11	FY 15 Target changed from 100% to 85%; 9/9 planned in Q1; 8/9 in Q2- Cogen remains behind schedule; anticipate completion in February 2015

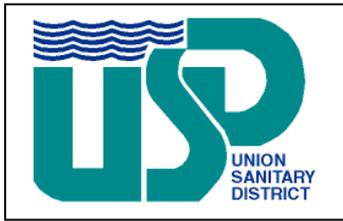
Objectives	Measurements	FY 15 to Date	Annual Target	FY 14	FY 13	Comments/ Progress
Environmental Protection: Maintain our ability to meet current and future regulations Implement projects and programs that benefit the environment	# adverse impacts on environment	1	0	1	0	10/28/14 incident in Fremont on Palm Avenue; 445 of 495 gals captured and 5 gals (est.) made it to State waters; roots were causal factor
	# Category 2/3 overflows	3	≤10	4		Q1-Cedar Street event on 9/2/14; Q2- 10/1/15 and 10/10/15 in Fremont; both Cat 3 events and all material captured; structural failures were causal
	# Regional projects with environmental benefit	3	≥3	2	2	Target changed to ≥3 for FY 15; BAPPG Pollution Prevention Program activities, ACWD Water Conservation Program; Green Business Certifications Program
Efficiency: Optimize processes; use technology effectively	See Timeline and Team Scorecards					
Planning: Plan for long-term financial, project and staffing needs	% of Timeline projects on schedule	57%	≥90%	55%		13/26 on track or completed in Q1; 15/26 in Q2
Employees: Maintain a highly competent, flexible workforce	% of planned competency-based training milestones completed	53.85%	100%	66%	155%	TPO target has increased since Q1 reporting
	# CS Assessments completed	10	52	22	38	Target increased from 27 to 52 in FY15; 4 assessments in Q1; 6 in Q2; measure needs corrective action
Labor Relations: Foster a collaborative employee-management relationship that encourages new ideas and continuous improvement	Total % of employees participating in District taskforces or committees	54.78%	45%-55%	51%	52%	Reported 2 nd and 4 th qtrs. Q2- 63/115 non-management EE's involved

Green = met or exceeded target; or projected to meet annual target
Yellow = will not meet annual target *if trend continues*; needs attention
Red = Will not meet annual target by >10%; corrective action needed
 White= No target identified

Table 3: Public Relations Activities FY 15

Project	Goal/Milestones	YTD
USD website	Update once a month; Progress on upgrade project	√
Press Releases	4 per year; post on web- Welcome Paul Eldredge in Q1; Ring Recovery and Safe Meds Disposal in Q2	√
Newsletter	Twice a year (change for FY15); planned for February or March 2015 in new flat format	Pending
Community Outreach: 3-4 events/year (items listed are examples only)	Earth Day Fair (4 th qtr)	
	Newark Days Fair	√
	Plant Tours as requested- no target, but did 3 in Q1	√
	Outreach to 5 th grade teachers	√
	5 th grade presentations, 35+ /year- normal to have none in Q1; 13 presentations in Q2	√
	Alameda County Science & Engineering Fair Judge (District usually has a rep participate as a Judge)	Pending
	Career Outreach/Fairs in Jr High or High School	
	Career outreach to colleges or other groups: BAYWORK, CWEA- Chabot College presentation in Q1 by TPO/CIP (Pipkin and Pachmeyer)	√
	ROP/Solano College/BACWWE support	√
Business Outreach	Industrial Advisory Council meetings; December 2014, subject- Emergency Preparedness	√
	Green Business certification outreach ; as needed/requested	Pending
	Certificate of Merit Presentations (4 th qtr)	Pending
Civic Outreach	Annual Presentations to Fremont & Newark City Councils; League of Women Voters joint presentation with ACWD by GM and Lion's Club presentation also in Q2	√
CIP Public Meetings	As necessary	

Check mark above means on target for the year



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

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

David M. O'Hara
Attorney

DATE: January 22, 2015

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul R. Eldredge, General Manager/District Engineer
Armando Lopez, Operations Manager, T&D Work Group

SUBJECT: Agenda Item 5b - Meeting of February 23, 2015
Information Item: **Plant Process Scorecard**

Recommendation:

Information only.

Background:

This report covers the first two quarters of Fiscal Year 2015 and recaps Fiscal Year 2014. The T&D staff operates the District's wastewater treatment plant, manages all environmental laboratory services for the District, and produces the regulatory monitoring reports required for permit compliance. The performance measures for the Plant Process Scorecard focus on the following areas: process control and compliance; energy and chemical efficiency; and employee skill development.

A recap of FY14 shows that we missed our targets in four areas: water usage, power consumption, chemical usage and training module updates. Water consumption exceeded the target due to an elusive leak, which was identified and repaired near the facility water meters. Power consumption and hydrogen peroxide use are both attributed to the continued decrease in plant flow; power use is expressed in units of kilowatt hours/million gallons and low flow also creates long detention times in the influent forcemains requiring increased chemical usage for odor control. One of the five training modules targeted for updates was not completed in FY14, but has since been addressed. All other measures met or surpassed expectations.

Process Control and Compliance:

The "Plant Health Index" measure tracks twelve aspects of treatment plant process performance. The index includes the activated sludge and anaerobic digestion processes, electrical power generation, chemical and energy utilization, and NPDES Permit compliance. The index value average met the target of 85% or greater for FY14 and is currently meeting the target for FY15.

We met all of our NPDES compliance measures with the exception of the low chlorine residual exceedance during the December 11, 2014 exercise of the wet weather bypass valve to Alameda Creek.

Laboratory service measures track timely analysis of samples for the EC Team and annual compliance with State proficiency standards for accredited environmental laboratories. All laboratory measures were at 100% for FY14 and are on track to meet the target of 95% or greater in FY15.

Planned Maintenance:

Completing preventive maintenance on time ensures that equipment is kept operating at peak efficiency, and that problems are promptly identified and corrected. TPO met the target of 95% or greater for completing preventive maintenance work orders within the month they are scheduled, and are on track to meet that target for FY15.

Energy, Chemical, and Water Utilization:

Electricity production from the District's new cogeneration system is averaging 17,617 kwh/d (kilowatt-hours per day). The new cogeneration system is operational and we are gathering data to better forecast the system's impact to the district. As we continue to become familiar with the equipment and develop strategies/systems to improve the up time and power produced, we hope to see the average improve to 23,088 kwh/d over the coming months.

Overall consumption of electricity at the plant is averaging 2,178 kwh/MG (kilowatt hours per million gallons treated), down slightly from FY14 usage of 2,188 kwh/MG. The target value is 2,100 kwh/MG or less. The daily plant flow has averaged 22.9 million gallons per day (mgd) so far in FY14, which is down slightly from the FY14 flow of 23.5 mgd. A typical secondary wastewater treatment plant in the U.S. consumes 1,800 to 2,500 kwh/MG.

The use of ferrous chloride and hydrogen peroxide to control hydrogen sulfide in the plant influent continues to provide cost-effective odor control compared to the use of sodium hypochlorite for the same purpose. There were no plant-related odor complaints during the first half of FY15. The odor neutralizing mist system installed along the Eastern perimeter of the treatment plant seems to be proving effective. Hydrogen peroxide consumption is slightly above the target of 8.5 gal/hour, averaging 9.7 gal/hour in the first half of FY15. Usage was higher as a result of higher than normal levels of hydrogen sulfide in the influent sewage.

Water usage for the first half of FY15 was back down to 24,615 gallons per day and is on track to meet the target of 30,000 gallons or less per day.

Employee Skill Development:

The Learning and Growth measure on the scorecard tracks development of the District's competency-based training program. TPO updated four training modules in the first half of FY15, including one held over from the previous fiscal year, and will surpass the target for this measure.

Plant Process Scorecard

	Measures	2015 Fiscal Year to Date	Target	2014 Fiscal Year End	
Customer	Number of adverse impacts (odor complaints, violations)	0	0	6	
Financial	Water Usage – Alvarado Site (Gallons Used per Day)	24,615	≤ 30,000	36,199	
	Total Kwh/MG Alvarado Site (Avg per Month)	2,178	< 2100	2,188	
	On-site Power Generation (Avg kwh/day)	17,617	23,088 (FY 15)	9,844	
	H2S/Odor Control	Ferrous Chloride (Ave gal/hour)	32	≤ 35	32
		Hydrogen Peroxide (Ave gal/hour)	9.7	≤ 8.5	9.1
	Disinfection	Hypochlorite (Ave gal/hour)	31.0	≤ 43	32.8
Solids Conditioning	GBT Polymer (Lbs/dry ton-ave)	3.5	≤ 5.5	5.0	
	Dewatering Polymer (Lbs/dry ton-ave)	32.6	≤ 33	33.5	
Internal Processes	Biosolids Disposal – Percent Disposed of as Class A	43%	25%	4%	
	Plant Operational Health Index (Ave monthly value)	87%	≥ 85%	85%	
	Percent preventative maintenance work orders completed within month scheduled	99%	≥ 95%	95%	
	Percent Environmental Compliance Samples that Met Turnaround Time (12 days)	100%	≥ 95%	100%	
	State Proficiency Test, Percent Areas Passed (T&D Lab)	100%	> 85%	100%	
Learning & Growth	Number of Training Modules Updated	4	5	4	



Directors
Manny Fernandez

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David M. O'Hara
Attorney

DATE: January 26, 2015

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul Eldredge, General Manager/District Engineer
Robert Simonich, Maintenance Manager, FMC Work Group

SUBJECT: Agenda Item 5c - Meeting of February 23, 2015
Information Item: **FMC Scorecard**

Recommendation:

Information only

Background:

In previous years, Fabrication, Maintenance and Construction (FMC) and Treatment & Disposal Services (T&D) shared a combined Plant Process Scorecard containing performance measurement data for both workgroups. Beginning last fiscal year, FMC and T&D began keeping separate Scorecards and tracking performance measurement data separately. FMC is in the process of reviewing the existing measures and developing new measures to further improve maintenance activities. A revamped Scorecard will be in place by the start of FY17.

This report covers the first two quarters of Fiscal Year 2015 and recaps Fiscal Year 2014. The FMC staff maintains the District's wastewater treatment plant, pump stations, and influent force main system. The performance measures for the FMC Process Scorecard focus on the following areas: planned maintenance, labor utilization, energy efficiency at the pump stations, and employee skill development.

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Planned Maintenance and Labor Utilization:

The percentage of time FMC spends on planned maintenance work vs. unplanned maintenance work is one of our benchmarking measures. The Water Environment Federation (WEF) identifies planned maintenance at a level greater than 90% as a “best practice.” Using the WEF definition for planned work as that which is preventive, predictive or scheduled vs. unplanned work, defined as an asset failure (a breakdown where no back-up exists) or corrective work that needs to be repeated. The FMC team is averaging greater than 95% of complete planned maintenance activities. The plant has not experienced any critical asset failures in the first half of FY15.

A second benchmarking measure tracks the percentage of preventive maintenance work orders completed within the month scheduled. Completing preventive maintenance on time ensures that equipment is kept operating at peak efficiency, and that problems are promptly identified and corrected. The FMC work group fell slightly below the target of 95% to 92.9%. This measure is expected to exceed the target in the 3rd quarter of FY15.

The FMC work group also tracks the number of Priority A work orders issued. This measure is meeting the target of 10 or less per month at an average of 3 per month. Meeting the target for Priority A work orders is a solid indicator of the quality of our preventive and predictive maintenance program.

Increasing the efficiency of our labor force is also a goal of the FMC work group. The performance measure used is the percentage of total man-hours spent on the performance of maintenance work. FMC is currently exceeding the target for the fiscal year. Overtime continues to be above target as FMC continues to support multiple CIP projects throughout the plant and pump stations.

Energy Efficiency:

FMC continues to track energy consumption at the Irvington and Newark Pump Stations. It is anticipated that targets will be developed for FY16.

Employee Skill Development:

The Learning and Growth measure on the scorecard tracks development of the District’s competency-based training program. FMC developed one JCR in the 4th quarter of FY14 and have identified updating the Main Electrical Distribution JCR for FY15.

Staff will be present to answer questions.

Plant & Pump Station Maintenance Process Scorecard

	Measures	2015 Fiscal Year to Date	Target	2014 Fiscal Year End
Customer	Number of priority A work orders (Average per Month)	3	< 10	2
	Number of critical asset failures	0	0	0
	Number with negative impact on the environment	0	0	0
Financial	% Total hours worked spent on maintenance work – FMC	84.5%	80%	81.8%
	Overtime as % of Base Payroll (Ave per month) FMC	8.4%	≤ 7%	9.3%
Internal Processes	% of Time spent on planned vs. unplanned maintenance activities (Best in Class 90%)	96.7%	75% - 90%	98.2%
	Percent preventative maintenance work orders completed within month scheduled	92.9%	≥ 95%	95.1%
	Number of Corrective Work Orders Over 90 Days (Ave/qtr)	74	≤150	88
Emp loy- ees	FMC Number of training modules developed vs. goal	0	0	0



Directors
Manny Fernandez
Tom Handley
Pat Kite
Anjali Lathi
Jennifer Toy

Officers
Paul R. Eldredge
General Manager
District Engineer

David M. O'Hara
Attorney

DATE: February 17, 2015

MEMO TO: Board of Directors - Union Sanitary District

FROM: Paul Eldredge, General Manager/District Engineer

SUBJECT: Agenda Item No. 5d - Meeting of February 23, 2015
Information Item: **Monthly Odor Report and Financial Reports**

Recommendation

Information

Background

The following reports from the General Manager's office are attached:

- Odor Report
- Map
- Financial and Investment Report

Staff will be available to provide additional information and answer questions.



ODOR REPORT January 2015

During the recording period from January 01, 2015 through January 31, 2015, there were three odor related service requests received by the District.

City: Fremont

1. Complaint Details:

Date: 1/6/2015

Location: PAPAGO ST

Wind (from): North West

Temperature: 55 Degrees F

Time: 5:30 pm

Reported By: Karen Brandon

Wind Speed: 1 mph

Weather: Clear

Response and Follow-up:

We inspected our USD mains, storm drain inlets and pump stations and detected no odors. However, we did detect an odor coming from the direction of the landfill near Fremont Boulevard and Warren Avenue. We relayed our findings to the reporting party and suggested they call the City of Fremont.

2. Complaint Details:

Date: 1/27/2015

Location: ROBIN ST

Wind (from): N/A

Temperature: 63 Degrees F

Time: 10:15 am

Reported By: Kelly Montgomery

Wind Speed: N/A mph

Weather: Clear

Response and Follow-up:

We used a gas detector to test the sanitary sewer mains, manholes and storm drains in the area. We were unable to detect any evidence of an odor, We relayed our findings to the reporting party.

3. Complaint Details:

Date: 1/27/2015

Location: PORTER ST

Wind (from): N/A

Temperature: 63 Degrees F

Time: 10:25 am

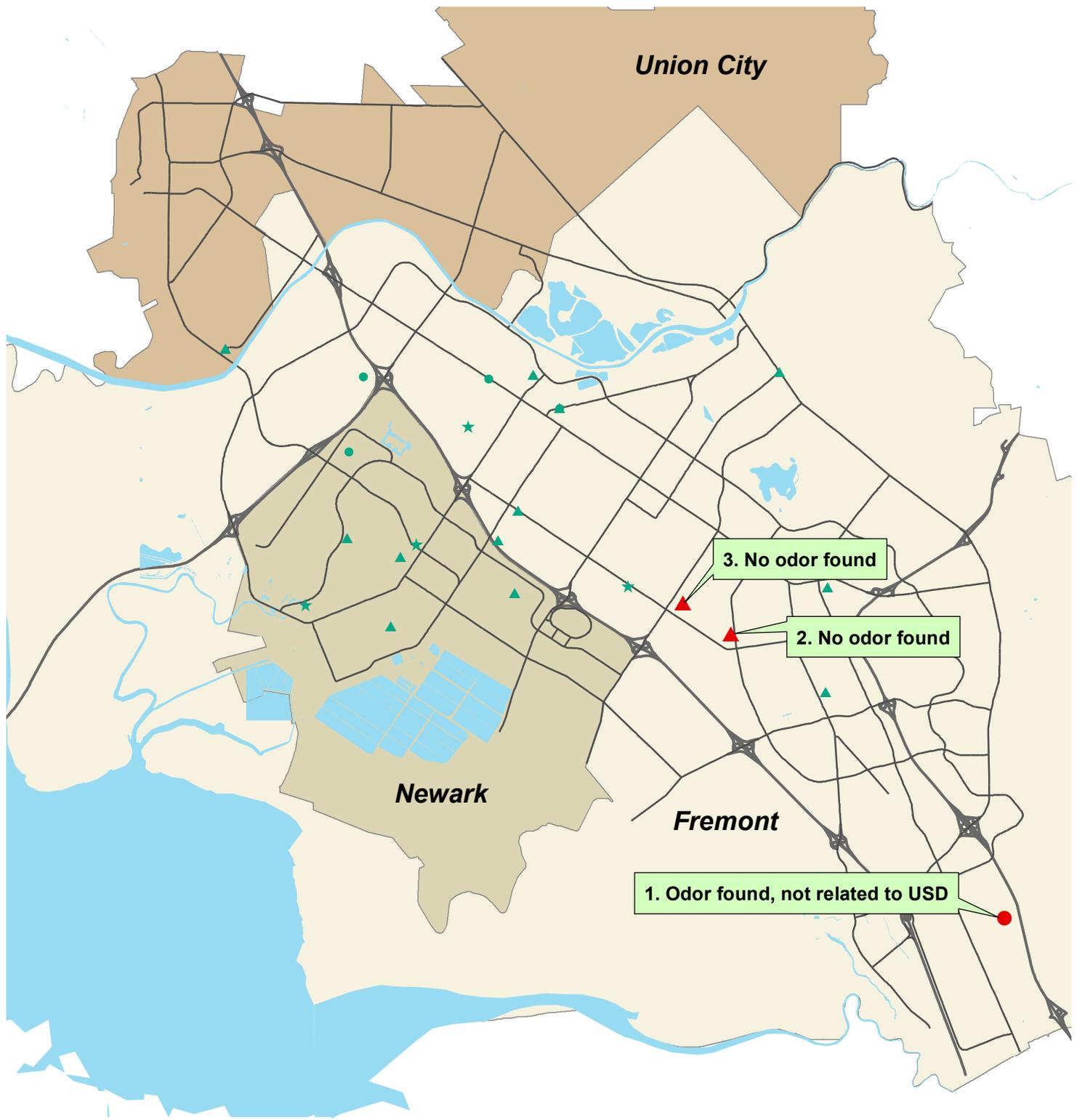
Reported By: Monica Sherma

Wind Speed: N/A mph

Weather: Clear

Response and Follow-up:

We inspected our sewer mains, manholes and storm drains. We were unable to detect any odors at this time. We relayed our findings to the reporting party.



Legend

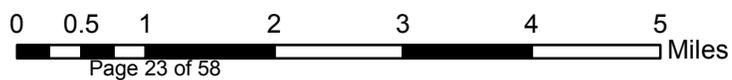
Odor Complaints: January 2015

- ★ Odor found, USD resolved (0)
- Odor found, not related to USD (1)
- ▲ No odor found (2)

Odor Complaints: Feb. to Dec. 2014

- ★ Odor found, USD resolved (4)
- Odor found, not related to USD (4)
- ▲ No odor found (14)

**Location of Odor Reports
February 2014 to January 2015**



HOURS WORKED AND LEAVE TIME BY WORK GROUP
June 28, 2014 to January 23, 2015

DIVISION	Reg. Hours	Lt Duty	O/T	Total				Historical FY14			Average Number of Employees
				Leaves*	Sick	STD	WC	Sick	STD	WC	
General Manager Staff	2,883		25	838 23%	58 1.5%			85 1.7%			131
Business Services	22,645		52	4,315 16%	412 1.5%	43 0.2%		604 1.6%	14 0.5%		Current Number of Vacant Positions (1)
Technical Services	30,194		75	4,832 14%	481 1.4%			1,039 3.4%	238 0.8%		4
Collection Services	29,051		2,553	6,838 19%	1,377 3.8%	109 0.3%	43 0.1%	1,791 2.5%	718 0.4%	1 0.2%	Hours Worked Per Week Per Employee (2)
Treatment & Disposal	25,531		658	3,620 12%	124 0.4%			1,344 2.0%	408 0.3%		34.64
FMC	21,452		1,194	5,211 20%	885 3.3%	243 0.9%	331 1.2%	1,019 3.1%	74 0.2%	107 0.1%	Projected Average Annual Sick Leave Per Employee (3)
Totals	131,755		4,556	25,655	3,337	395	374	5,882	1,452	108	44.09
%	83.7%		2.9%	16.3%	2.1%	0.3%	0.2%	2.4%	0.5%	1.3%	

(1) Current vacancies include: Business Services (0), Collections (1), FMC (0), T&D (1), TS (2)

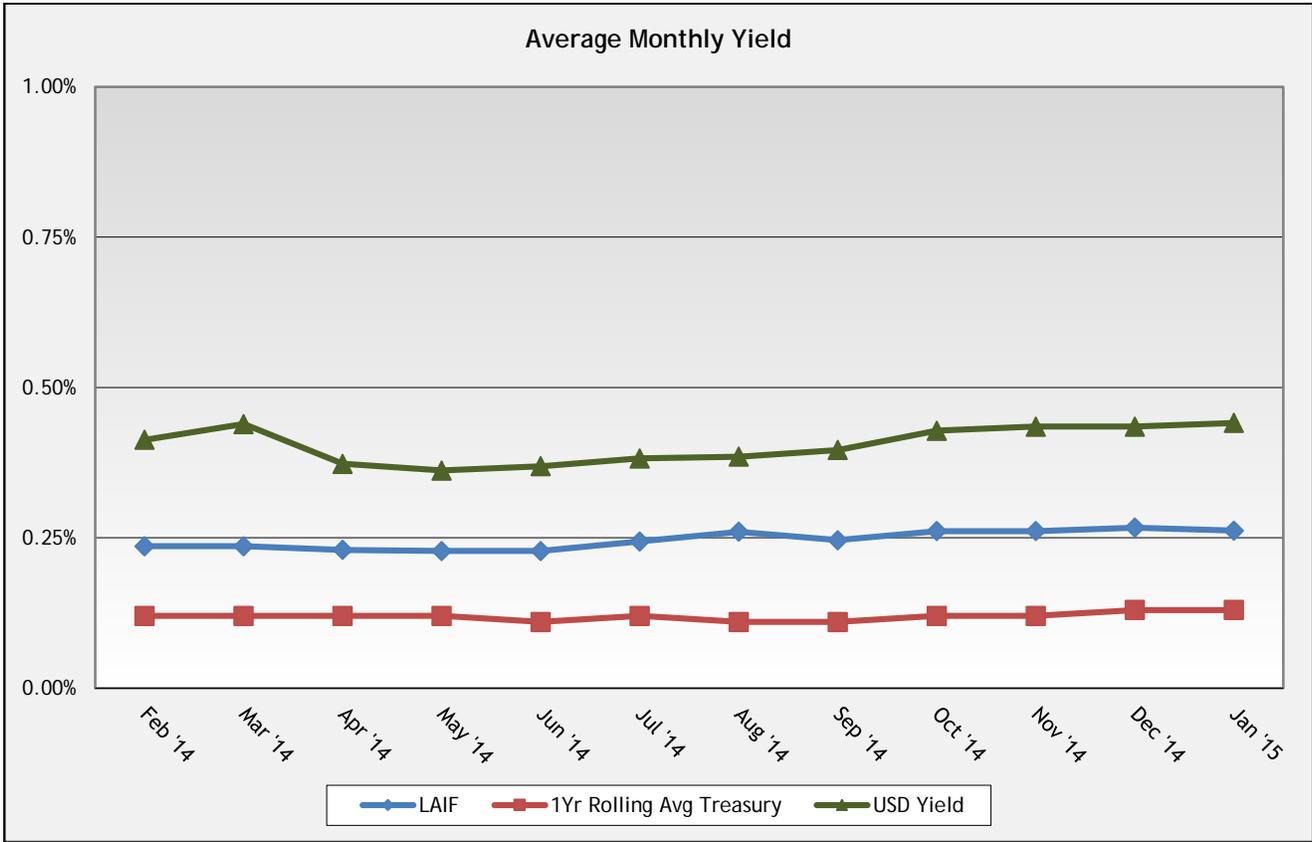
(2) An employee using 3 weeks vacation, 11 holidays, 2 HEC days and 40 hours of sick leave will work an average of 34.9 hours per week over the course of a year. With four weeks vacation, 34.2 hours per week.

(3) Target goal for sick leave incentive program is 47 hours per employee per year.

Business Services Group
Activities Report
January 2015

Performance Measures

AVERAGE MONTHLY YIELD



BUDGET AND FINANCE REPORT

FY 2015

Year-to-date as of 1/31/15

58% of year elapsed

Revenues

	Budget	Actual	% of Budget Rec'd	Unaudited Last Year Actuals 6/30/14
Capacity Fees	\$2,700,000	\$2,452,703	91%	\$3,315,007
Sewer Service Charges	47,448,461	24,418,788	51%	45,139,420
Operating	848,500	494,999	58%	1,072,242
Interest	299,000	182,964	61%	385,844
Misc. (incl. LAVWMA pymnt, solar, Cogen rebates)	1,994,200	229,552	12%	297,776
Subtotal Revenues	\$53,290,161	\$27,779,006	52%	\$50,210,289
SRF Loan Proceeds (Thickener)	3,390,000	1,000,640	30%	2,424,739
Total Revenues + SRF Proceeds	\$56,680,161	\$28,779,646	51%	\$52,635,028

Expenses

	Budget	Actual	% of Budget Used	Last Year Actuals
Capital Improvement Prog.				
Capacity Projects	\$3,240,000	\$1,236,199	38%	\$5,592,023
Renewal & Repl. Projects	11,632,500	7,125,993	61%	14,195,068
Operating	32,659,214	18,151,687	56%	30,751,966
Special Projects	1,708,478	319,852	19%	775,361
Retiree Medical (Annual Required Contribution)	543,540	271,770	50%	462,852
Vehicle & Equipment	1,057,700	45,514	4%	784,695
Information Systems	1,216,000	266,635	22%	848,449
Plant & Pump Station R&R	250,000	77,907	31%	197,237
Pretreatment Fund	7,000	20,294	290%	5,124
County Fee for Sewer Service Charge Admin.	106,000	52,780	50%	105,559
Misc. (A/R write-off)	0	0	0%	1,343
Debt Servicing:				
SRF Loans (Irv., Wilw, LHH, Cdr, NPS, Sub1, Boyc, Prim CI)	3,127,389	2,842,433	91%	4,675,361
Total Expenses	\$55,547,821	\$30,411,064	55%	\$58,395,038
Total Revenue & Proceeds less Expenses	\$1,132,340	(\$1,631,418)		(\$5,760,010)

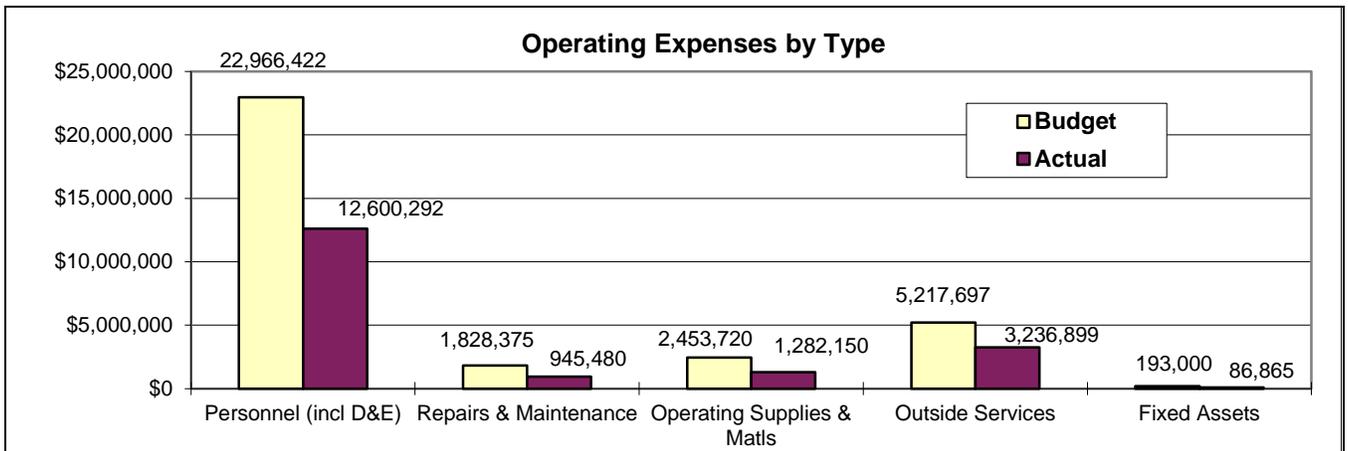
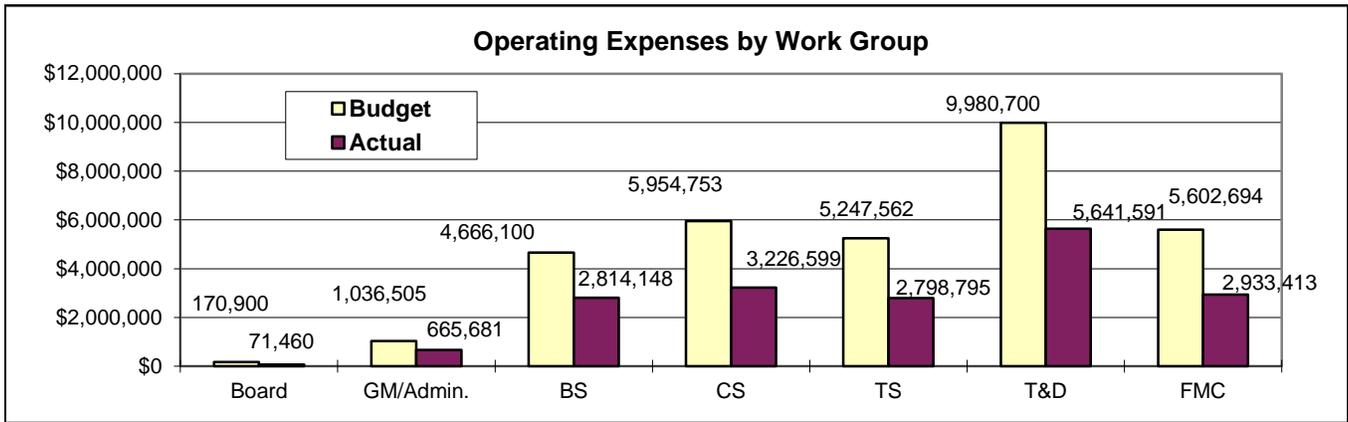
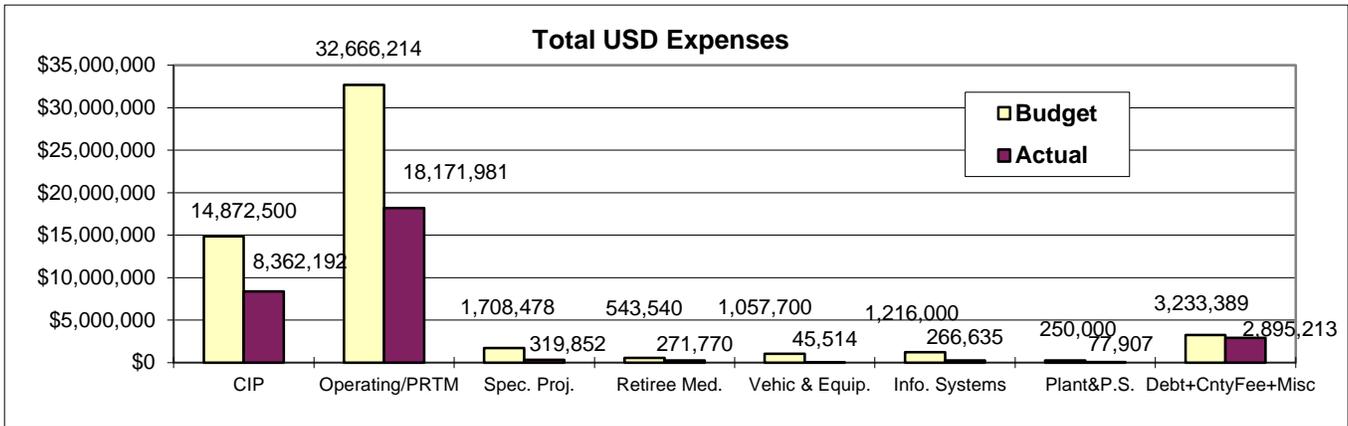
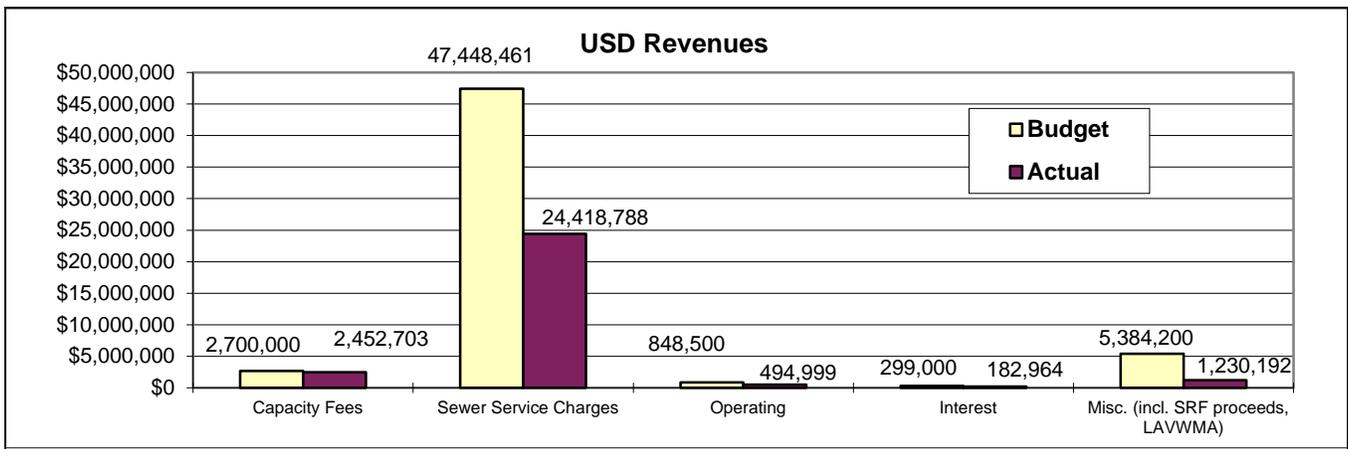
Gross Operating Expenses by Work Group

	Budget	Actual	% of Budget Used	Last Year Actuals
Board of Directors	\$170,900	\$71,460	42%	\$166,233
General Manager/Admin.	1,036,505	665,681	64%	1,153,217
Business Services	4,666,100	2,814,148	60%	4,416,832
Collection Services	5,954,753	3,226,599	54%	5,460,336
Technical Services	5,247,562	2,798,795	53%	4,850,139
Treatment & Disposal Services	9,980,700	5,641,591	57%	9,739,655
Fabrication, Maint. & Construction	5,602,694	2,933,413	52%	4,965,555
Total	\$32,659,214	\$18,151,687	56%	\$30,751,966

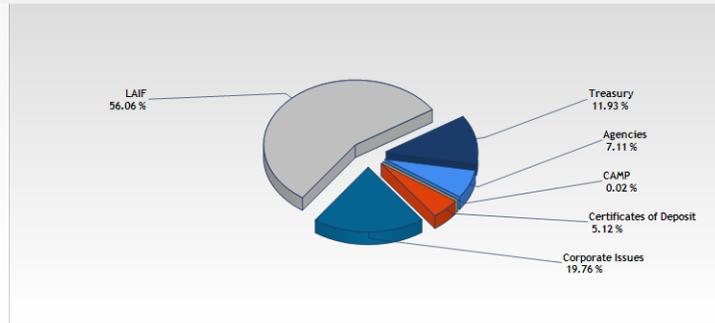
Operating Expenses by Type

	Budget	Actual	% of Budget Used	Last Year Actuals
Personnel (incl D&E)	\$22,966,422	\$12,600,292	55% (62%)*	\$21,125,985
Repairs & Maintenance	1,828,375	945,480	52%	1,615,427
Supplies & Mats (chemicals, small tools)	2,453,720	1,282,150	52%	2,442,617
Outside Services (utilities, biosolids, legal)	5,217,697	3,236,899	62%	5,493,010
Fixed Assets	193,000	86,865	45%	74,927
Total	\$32,659,214	\$18,151,687	56%	\$30,751,966

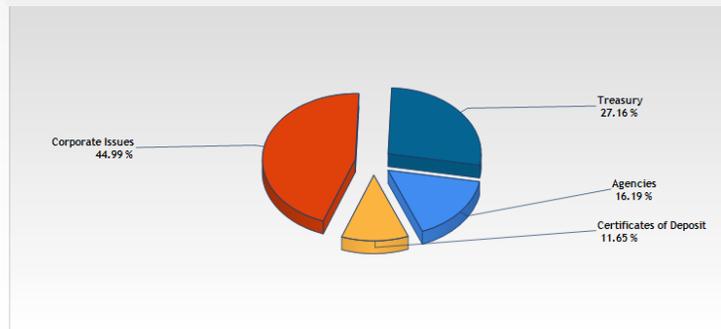
* Personnel Budget Target



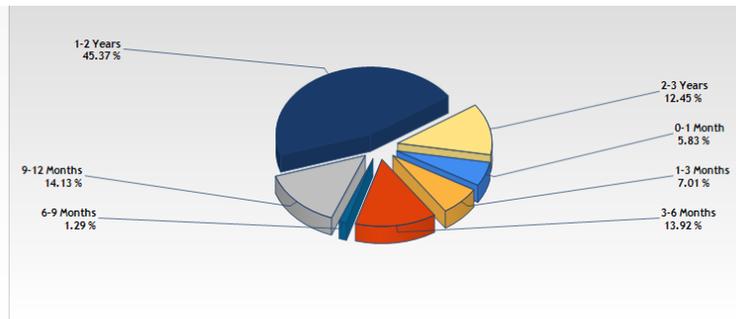
All Portfolio Holdings Distribution by Asset Class



Operating Fund Holdings Distribution by Asset Class



Operating Fund Maturity Distribution



Maturity Range	Face Amount/Shares	YTM @ Cost	Cost Value	Days To Maturity	% of Portfolio	Market Value	Book Value	Duration To Maturity
0-1 Month	1,000,000.00	1.012	1,079,800.00	29	5.83	1,003,330.00	1,002,936.80	0.08
1-3 Months	1,240,000.00	0.787	1,299,830.00	34	7.01	1,244,007.74	1,243,598.80	0.10
3-6 Months	2,545,000.00	0.565	2,579,611.60	153	13.92	2,555,927.81	2,553,491.44	0.42
6-9 Months	240,000.00	0.450	240,000.00	214	1.29	240,109.73	240,000.00	0.59
9-12 Months	2,566,000.00	0.428	2,617,998.10	313	14.13	2,595,286.76	2,593,079.70	0.85
1-2 Years	8,390,000.00	0.596	8,408,250.50	485	45.37	8,424,135.44	8,410,503.32	1.32
2-3 Years	2,313,000.00	1.129	2,307,603.57	814	12.45	2,320,284.04	2,307,866.32	2.21
Total / Average	18,294,000.00	0.670	18,533,093.77	394	100	18,383,081.52	18,351,476.38	1.07

Union Sanitary District
Board Report - Holdings
Report Format: By Transaction
Group By: Asset Class
Portfolio/Report Group: All Portfolios
As of 1/31/2015

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
Agencies											
FHLMC 0.5 6/20/2016-14	3134G4N38	Moodys- Aaa	12/20/2013	1,000,000.00	1,000,000.00	0.500	999,170.00	0.500	3/20/2015	6/20/2016	2.37
FHLMC 1.05 6/30/2017-15	3134G5TE5	Moodys- Aaa	12/30/2014	1,000,000.00	1,000,000.00	1.050	1,003,240.00	1.050	6/30/2015	6/30/2017	2.37
FNMA 0.5 3/30/2016	3135GOVA8	Moodys- Aaa	1/24/2014	1,000,000.00	1,000,750.00	0.500	1,002,790.00	0.465		3/30/2016	2.37
Sub Total / Average				3,000,000.00	3,000,750.00	0.683	3,005,200.00	0.672			7.11
CAMP											
CAMP LGIP	LGIP4000	None	5/31/2011	9,791.96	9,791.96	0.700	9,791.96	0.700	N/A	N/A	0.02
Sub Total / Average				9,791.96	9,791.96	0.700	9,791.96	0.700			0.02
Certificates of Deposit											
Ally Bank 1 10/24/2016	02006LKM4	None	10/23/2014	240,000.00	240,000.00	1.000	240,000.00	1.000		10/24/2016	0.57
American Express Bank 1.1 10/24/2016	02587CBZ2	None	10/23/2014	240,000.00	240,000.00	1.100	240,000.00	1.100		10/24/2016	0.57
Beal Bank USA 0.45 9/2/2015	07370WLQ7	None	12/3/2014	240,000.00	240,000.00	0.450	240,109.73	0.450		9/2/2015	0.57
BMW Bank North America 0.5 3/14/2016	05568P6V4	None	3/31/2014	240,000.00	239,760.00	0.500	239,793.41	0.552		3/14/2016	0.57
Capital One Bank 1 10/24/2016	140420QG8	None	10/22/2014	240,000.00	240,000.00	1.000	240,000.00	1.000		10/24/2016	0.57
Discover Bank 0.5 6/11/2015	254671D72	None	12/24/2013	240,000.00	239,918.40	0.500	240,193.22	0.523		6/11/2015	0.57
GE Capital Retail Bank 0.95 3/16/2015	36157PAU3	None	1/2/2013	240,000.00	240,000.00	0.950	240,227.74	0.950		3/16/2015	0.57
Great Midwest Bank 0.75 7/27/2016	39083PCK6	None	10/27/2014	240,000.00	240,000.00	0.750	240,436.63	0.750		7/27/2016	0.57

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
Merrick Bank 0.5 6/30/2015	5912Y5Y9	None	12/30/2013	240,000.00	240,000.00	0.500	240,201.19	0.500		6/30/2015	0.57
Sub Total / Average				2,160,000.00	2,159,678.40	0.750	2,160,961.92	0.758			5.12

Corporate Issues

Caterpillar Financial 1 3/3/2017	14912L5Z0	Moody's-A2	12/23/2014	1,313,000.00	1,307,603.57	1.000	1,317,044.04	1.190		3/3/2017	3.10
General Electric Capital Corp 1.625 7/2/2015	36962G5Z3	Moody's-A1	3/31/2014	1,000,000.00	1,014,530.00	1.625	1,005,480.00	0.460		7/2/2015	2.40
General Electric Capital Corp 2.375 6/30/2015	36962G5F7	Moody's-A1	11/30/2012	500,000.00	517,745.00	2.375	503,720.00	0.980		6/30/2015	1.23
General Electric Capital Corp 4.875 3/4/2015	36962GP65	Moody's-A1	9/18/2013	1,000,000.00	1,059,830.00	4.875	1,003,780.00	0.750		3/4/2015	2.51
International Business Machs 0.45 5/6/2016	459200HL8	Moody's-Aa3	11/26/2013	1,000,000.00	996,840.00	0.450	1,000,870.00	0.580		5/6/2016	2.36
JP Morgan Chase 2.6 1/15/2016	46625HHW3	Moody's-A3	12/1/2014	566,000.00	577,518.10	2.600	575,599.36	0.775		1/15/2016	1.37
JP Morgan Chase 4.75 3/1/2015	46625HCE8	Moody's-A3	1/2/2013	1,000,000.00	1,079,800.00	4.750	1,003,330.00	1.012		3/1/2015	2.56
Royal Bank of Canada 2.3 7/20/2016	78008TLB8	Moody's-Aa3	12/23/2014	1,190,000.00	1,217,310.50	2.300	1,217,013.00	0.830		7/20/2016	2.88
Well Fargo Bank 0.75 7/20/2015	94985H5F7	Moody's-Aa3	3/31/2014	565,000.00	567,418.20	0.750	566,333.40	0.420		7/20/2015	1.34
Sub Total / Average				8,134,000.00	8,338,595.37	2.357	8,193,169.80	0.803			19.76

LAIF

LAIF LGIP	LGIP1002	None	4/30/2011	23,658,884.90	23,658,884.90	0.262	23,658,884.90	0.262	N/A	N/A	56.06
Sub Total / Average				23,658,884.90	23,658,884.90	0.262	23,658,884.90	0.262			56.06

Treasury

T-Bond 0.25 5/16/2016	912828VC1	Moody's-Aaa	1/24/2014	1,000,000.00	994,530.00	0.250	999,531.20	0.488		5/16/2016	2.36
T-Note 0.375 2/15/2016	912828UM0	Moody's-Aaa	1/24/2014	1,000,000.00	999,530.00	0.375	1,001,718.70	0.398		2/15/2016	2.37

Description	CUSIP/Ticker	Credit Rating 1	Settlement Date	Face Amount/Shares	Cost Value	Coupon Rate	Market Value	YTM @ Cost	Next Call Date	Maturity Date	% of Portfolio
T-Note 0.5 6/15/2016	912828VG2	Moody's-Aaa	3/27/2014	1,000,000.00	999,530.00	0.500	1,002,812.50	0.521		6/15/2016	2.37
T-Note 1.375 11/30/2015	912828PJ3	Moody's-Aaa	12/20/2013	2,000,000.00	2,040,480.00	1.375	2,019,687.40	0.330		11/30/2015	4.84
Sub Total / Average				5,000,000.00	5,034,070.00	0.780	5,023,749.80	0.413			11.93
Total / Average				41,962,676.86	42,201,770.63	0.793	42,051,758.38	0.441			100

All investment actions executed since the last report have been made in full compliance with the District's Investment Policy. The District will meet its expenditure obligations for the next six months. Market value sources are the LAIF, CAMP, and BNY Mellon monthly statements.

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

Description	CUSIP/Ticker	Face Amount/Shares	Principal	Interest/Dividends	Coupon Rate	YTM @ Cost	Settlement Date	Total
DEPOSIT								
CAMP LGIP	LGIP4000	0.55	0.55	0.00		0.000	1/31/2015	0.55
LAIF LGIP	LGIP1002	10,369.55	10,369.55	0.00		0.000	1/15/2015	10,369.55
Sub Total / Average		10,370.10	10,370.10	0.00				10,370.10
INTEREST								
Bank of Baroda NY US 0.4 1/22/2015	06062AFE4	0.00	0.00	960.00	0.400	0.000	1/22/2015	960.00
CAMP LGIP	LGIP4000	0.00	0.00	0.55		0.000	1/31/2015	0.55
General Electric Capital Corp 1.625 7/2/2015	36962G5Z3	0.00	0.00	8,125.00	1.625	0.000	1/2/2015	8,125.00
General Electric Capital Corp 2.15 1/9/2015	36962G5M2	0.00	0.00	10,750.00	2.150	0.000	1/9/2015	10,750.00
Great Midwest Bank 0.75 7/27/2016	39083PCK6	0.00	0.00	152.88	0.750	0.000	1/27/2015	152.88
JP Morgan Chase 2.6 1/15/2016	46625HHW3	0.00	0.00	7,358.00	2.600	0.000	1/15/2015	7,358.00
LAIF LGIP	LGIP1002	0.00	0.00	10,369.55		0.000	1/15/2015	10,369.55
Merrick Bank 0.5 6/30/2015	5912Y5Y9	0.00	0.00	101.92	0.500	0.000	1/28/2015	101.92
Royal Bank of Canada 2.3 7/20/2016	78008TLB8	0.00	0.00	13,685.00	2.300	0.000	1/20/2015	13,685.00
Well Fargo Bank 0.75 7/20/2015	94985H5F7	0.00	0.00	2,118.75	0.750	0.000	1/20/2015	2,118.75
Sub Total / Average		0.00	0.00	53,621.65				53,621.65
MATURED								
Bank of Baroda NY US 0.4 1/22/2015	06062AFE4	240,000.00	240,000.00	0.00	0.400	0.000	1/22/2015	240,000.00
General Electric Capital Corp 2.15 1/9/2015	36962G5M2	1,000,000.00	1,000,000.00	0.00	2.150	0.000	1/9/2015	1,000,000.00
Sub Total / Average		1,240,000.00	1,240,000.00	0.00				1,240,000.00
WITHDRAW								
LAIF LGIP	LGIP1002	700,000.00	700,000.00	0.00		0.000	1/5/2015	700,000.00
LAIF LGIP	LGIP1002	1,100,000.00	1,100,000.00	0.00		0.000	1/16/2015	1,100,000.00
LAIF LGIP	LGIP1002	300,000.00	300,000.00	0.00		0.000	1/23/2015	300,000.00

Description	CUSIP/Ticker	Face Amount/Shares	Principal	Interest/Dividends	Coupon Rate	YTM @ Cost	Settlement Date	Total
LAIF LGIP	LGIP1002	800,000.00	800,000.00	0.00		0.000	1/30/2015	800,000.00
Sub Total / Average		2,900,000.00	2,900,000.00	0.00				2,900,000.00

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156587	2/5/2015	4091	DW NICHOLSON CORP	PRIMARY DIGESTER #5 REHABILITATION	\$13,757.14	\$97,494.15
	2/5/2015	4127		COGENERATION PROJECT	\$83,737.01	
156648	2/12/2015	138900	CAROLLO ENGINEERS	THICKENER CONROL BUILDING IMPROVEMENTS PHASE II	\$24,500.24	\$71,475.23
	2/12/2015	139142		THICKENER CONROL BUILDING IMPROVEMENTS PHASE II	\$46,974.99	
156583	2/5/2015	800403.4	D'ARCY & HARTY CONSTRUCTION	MISC. SS SPOT REPAIRS PHASE V PROJECT	\$52,397.21	\$52,397.21
156616	2/5/2015	19235	RMC WATER AND ENVIRONMENT	OLD ALAMEDA CREEK NPDES PERMIT RENEWAL	\$5,340.76	\$49,235.15
	2/5/2015	19243		IRVINGTON BASIN SEWER MASTER PLAN UPDATE	\$15,158.20	
	2/5/2015	19238		ALVARADO TREATMENT PLANT SITE USE STUDY	\$28,736.19	
156697	2/12/2015	30103115	SYNAGRO WEST LLC	DECEMBER 2014 BIOSOLIDS DISPOSAL	\$47,548.05	\$47,548.05
156567	2/5/2015	8480052058	ANDRITZ SEPARATION INC	ASTD CENTRIFUGE 4 GEARBOX REBUILD PARTS	\$16,267.79	\$32,535.58
	2/5/2015	8480052059		ASTD PARTS CENTRIFUGE 3 GEARBOX REBUILD	\$16,267.79	
156573	2/5/2015	11232271	BROWN & CALDWELL CONSULTANTS	UPPER HETCH HECTCHY SS REHABILITATION	\$24,883.19	\$24,883.19
156574	2/5/2015	65619	CDW GOVERNMENT LLC	CISCO SOFTWARE & MAINT CONTRACT	\$19,237.43	\$19,237.43
156584	2/5/2015	1066076C	DELTA DENTAL SERVICE	JANUARY 2015 DENTAL	\$15,040.40	\$16,965.57
	2/5/2015	1066076A		JANUARY 2015 DENTAL	\$1,925.17	
156695	2/12/2015	57729	STANCOR INC	1 SUBMERSIBLE PUMP MODEL P-70C	\$15,390.68	\$15,390.68

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156676	2/12/2015	096020150202	PACIFIC GAS AND ELECTRIC	SERV TO 02/01/15 CATHODIC PROJECT	\$40.84	\$14,339.04
	2/12/2015	761520150128		SERV TO 01/27/15 NEWARK PS	\$13,854.51	
	2/12/2015	666720150202		SERV TO 02/01/15 PASEO PADRE PS	\$181.99	
	2/12/2015	898220150202		SERV TO 02/01/15 FREMONT PS	\$214.59	
	2/12/2015	892820150202		SERV TO 02/01/15 HAYWARD MARSH	\$47.11	
156653	2/12/2015	11130	DIABLO BOILER WORKS	BOILER GAS TRAIN REPAIR	\$13,863.72	\$13,863.72
156564	2/5/2015	5110105	ALL INDUSTRIAL ELECTRIC SUPPLY	ASTD MELTRIC WELDING RECEPTICLES	\$13,857.77	\$13,857.77
156593	2/5/2015	232171	FRANK A OLSEN COMPANY	2 ROTORK IQT 1000 ACTUATORS	\$12,763.97	\$12,763.97
156668	2/12/2015	9017431293	KEMIRA WATER SOLUTIONS, INC.	7.60 DRY TONS FERROUS CHLORIDE	\$4,970.40	\$10,110.84
	2/12/2015	9017430299		7.86 DRY TONS FERROUS CHLORIDE	\$5,140.44	
156592	2/5/2015	902008717	EVOQUA WATER TECHNOLOGIES	2,020 GALS HYDROGEN PEROXIDE	\$9,378.46	\$9,378.46
156625	2/5/2015	13527	TRC ENERGY SERVICES INC	PLANT-WIDE LIGHTING STUDY	\$9,175.41	\$9,175.41
156604	2/5/2015	37432220150201	LINCOLN NATIONAL LIFE INS COMP	LIFE & DISABILITY INSURANCE - FEB 2015	\$7,484.44	\$7,484.44
156683	2/12/2015	19263	RMC WATER AND ENVIRONMENT	HAYWARD MARSH REHABILITATION OPTIONS	\$7,099.95	\$7,099.95
156626	2/5/2015	663644	UNIVAR USA INC	5,012 GALS SODIUM HYPOCHLORITE	\$2,316.55	\$6,974.61
	2/5/2015	662434		5,056 GALS SODIUM HYPOCHLORITE	\$2,336.88	
	2/5/2015	662916		5,022 GALS SODIUM HYPOCHLORITE	\$2,321.18	
156635	2/12/2015	142328851	AHERN RENTALS	2 MULTIQIP RAMMERS	\$6,121.06	\$6,394.81
	2/12/2015	142420371		FREIGHT FOR MULTIQIP RAMMERS	\$273.75	

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156661	2/12/2015	9632155405	GRAINGER INC	2 EA MOTOR MOUNTING BASES	\$72.23	\$5,693.76
	2/12/2015	9632477312		3 EA FILTERS	\$13.60	
	2/12/2015	9632155397		2 EA MOTORS FOR APS AIR COMPRESSOR	\$1,164.87	
	2/12/2015	9632250438		1 EA HAND CRANK HOSE REEL	\$372.43	
	2/12/2015	9632765625		2 EA MULTIPURPOSE AIR HOSE COUPLED ASSEMBLIES	\$75.98	
	2/12/2015	9632155389		2 EA AIR COMPRESSORS	\$3,950.76	
	2/12/2015	9630830934		2 EA MALE CONNECTORS	\$43.89	
156643	2/12/2015	15987	BJ TRAVEL CENTER INC	COGENERATION PROJECT - TRAINING	\$5,256.20	\$5,256.20
156602	2/5/2015	9017429568	KEMIRA WATER SOLUTIONS, INC.	7.62 DRY TONS FERROUS CHLORIDE	\$4,983.48	\$4,983.48
156669	2/12/2015	10915919	KRONOS INC	KRONOS TRNG - FUNDAMENTALS W/CALC ACCRUALS: HC	\$450.00	\$4,905.00
	2/12/2015	10917692		PROJECT MGMT, ASSESSMENT MTGS, & SERVER SET-UP	\$4,455.00	
156612	2/5/2015	3648	OJO TECHNOLOGY INC	SECURITY SYSTEM ANNUAL MAINTENANCE	\$4,850.00	\$4,850.00
156650	2/12/2015	14797	COHEN GROUP	INDUSTRIAL HYGIENIST FOR BOYCE	\$4,762.50	\$4,762.50

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156637	2/12/2015	4104983520150130	ALAMEDA COUNTY WATER DISTRICT	SERV TO: 01/30/15-MTR HYD 19866540	\$1,001.76	\$4,651.18
	2/12/2015	4104560720150130		SERV TO: 01/30/15-MTR HYD B32896064	\$744.95	
	2/12/2015	4104550320150130		SERV TO: 01/30/15-MTR HYD 29389772	\$660.62	
	2/12/2015	4104550420150130		SERV TO: 01/30/15-MTR HYD 29389774	\$534.13	
	2/12/2015	4104550220150130		SERV TO: 01/30/15-MTR HYD 19866550	\$618.46	
	2/12/2015	4104560820150130		SERV TO: 01/30/15-MTR HYD B33476241	\$557.13	
	2/12/2015	4104560920150130		SERV TO: 01/30/15-MTR HYD 19866549	\$534.13	
156699	2/12/2015	664544	UNIVAR USA INC	5,016 GALS SODIUM HYPOCHLORITE	\$2,318.39	
	2/12/2015	664536		4,995 GALS SODIUM HYPOCHLORITE	\$2,308.69	
156639	2/12/2015	7683	ALLIED PACKING AND SUPPLY CO	10 6" SUCTION HOSE	\$4,476.18	\$4,476.18
156698	2/12/2015	130734	TOTAL WASTE SYSTEMS INC	JANUARY 2015 GRIT DISPOSAL	\$4,162.61	\$4,162.61
156682	2/12/2015	916002316291	REPUBLIC SERVICES #916	RECYCLE & ROLL OFF - JANUARY 2015	\$2,707.67	\$3,480.57
	2/12/2015	916002327194		ROLL OFF ON CALL - JANUARY 2015	\$772.90	

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156649	2/12/2015	54400327	CINTAS CORPORATION	UNIFORM LAUNDERING SERVICE	\$315.38	\$3,410.85
	2/12/2015	54404803		UNIFORM LAUNDERING SERVICE	\$315.38	
	2/12/2015	54398111		UNIFORM LAUNDERING SERVICE	\$506.08	
	2/12/2015	54402558		3 SWEATSHIRTS - BULLIS	\$322.42	
	2/12/2015	54400328		ASTD DUST MOPS, WET MOPS & TERRY TOWELS	\$88.00	
	2/12/2015	54404804		ASTD DUST MOPS, WET MOPS & TERRY TOWELS	\$88.00	
	2/12/2015	54404802		UNIFORM LAUNDERING SERVICE	\$319.76	
	2/12/2015	54398110		UNIFORM LAUNDERING SERVICE	\$319.76	
	2/12/2015	54402568		UNIFORM LAUNDERING SERVICE	\$319.76	
	2/12/2015	54398105		2 CS DOC MARTEN BALSAM	\$175.20	
	2/12/2015	54400326		UNIFORM LAUNDERING SERVICE	\$319.76	
	2/12/2015	54402569		UNIFORM LAUNDERING SERVICE	\$321.35	
156576	2/5/2015	7184	CHICK-FIL-A	REFUND # 17809	\$3,405.00	\$3,405.00
156577	2/5/2015	7439	DAVID CHOI	REFUND # 17802	\$3,300.00	\$3,300.00
156586	2/5/2015	7554	DISH N DASH INC	REFUND # 17801	\$3,300.00	\$3,300.00
156597	2/5/2015	7611	SHAN GUO	REFUND # 17803	\$3,300.00	\$3,300.00
156629	2/5/2015	20150201	VISION SERVICE PLAN - CA	FEBRUARY 2015 VISION STMT	\$3,136.74	\$3,136.74
156681	2/12/2015	140308	RAFTELIS FINANCIAL CONSULTANTS	SSC COST OF SERVICE STUDY	\$2,928.05	\$2,928.05
156628	2/5/2015	28897	VALLEY OIL COMPANY	200 GALS XLD 15-40 MOTOR OIL & 100 GALS AW-46 OIL	\$2,880.95	\$2,880.95

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156630	2/5/2015	30722	VOX NETWORK SOLUTIONS INC	PHONE SYS MAINT FEB 15 - APR 15	\$2,873.40	\$2,873.40
156659	2/12/2015	7581	GENMORE PLUMBING	REFUND # 17815	\$2,787.50	\$2,787.50
156641	2/12/2015	6174937	AT&T	SERV: 12/20/14 - 01/19/15	\$16.93	\$2,621.54
	2/12/2015	6169225		SERV: 12/20/14 - 01/19/15	\$2,604.61	
156591	2/5/2015	7221	EDENBRIDGE HOMES	REFUND # 17808	\$2,500.00	\$2,500.00
156571	2/5/2015	14224	BLUE SKY ENVIRONMENTAL INC.	TESTING OF EXHAUST GASES - NEW COGENS	\$2,370.00	\$2,370.00
156646	2/12/2015	11233051	BROWN & CALDWELL CONSULTANTS	ODOR CONTROL STUDY UPDATE	\$1,553.89	\$2,349.26
	2/12/2015	11232878		ALVARADO POTABLE WATER TANK/USE STUDY	\$795.37	
156691	2/12/2015	5567922925	SIEMENS INDUSTRY INC	2 SENSOR LIQ LVL SONIC PROBES	\$2,339.29	\$2,339.29
156603	2/5/2015	1397490	LIEBERT CASSIDY WHITMORE	NOR CAL EMPLOY RELATIONS CONSORTIUM MEMBERSHIP	\$2,175.00	\$2,175.00
156605	2/5/2015	96929	MCINERNEY & DILLON, P.C.	LEGAL SERVICES - COGEN PROJECT	\$420.00	\$2,170.00
	2/5/2015	96928		LEGAL SERVICES - COGEN PROJECT	\$1,750.00	
156572	2/5/2015	488938	BRENNTAG PACIFIC, INC.	1282 LBS SODIUM HYDROXIDE	\$708.46	\$2,125.41
	2/5/2015	488939		2564 LBS SODIUM HYDROXIDE	\$1,416.95	
156645	2/12/2015	490123	BRENNTAG PACIFIC, INC.	3846 LBS SODIUM HYDROXIDE	\$2,125.41	\$2,125.41
156638	2/12/2015	5110439	ALL INDUSTRIAL ELECTRIC SUPPLY	50 LED BULBS FOR RETROFIT	\$2,113.35	\$2,113.35
156620	2/5/2015	1632748001	SAN LEANDRO ELECTRIC SUPPLY	300 NYLON BLACK CABLE TIES	\$354.10	\$1,836.50
	2/5/2015	1629778001		ASTD PARTS & MATERIALS	\$1,115.23	
	2/5/2015	1629778002		40 LAMP FLOURESCENT	\$367.17	

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156700	2/12/2015	29052	VALLEY OIL COMPANY	2 DRS XLD 15/40 OIL & 1 DR ATF DEX III	\$1,746.78	\$1,746.78
156590	2/5/2015	408327	ECOM AMERICA LTD	FLOW VELOCITY & PITOT TUBE FOR NEW EMISSIONS ANA	\$1,626.15	\$1,626.15
156594	2/5/2015	171922124	FREMONT URGENT CARE CENTER	25 DOT PHYSICALS	\$1,425.00	\$1,596.00
	2/5/2015	116522125		3 DOT PHYSICALS	\$171.00	
156596	2/5/2015	1056528	GROENIGER AND COMPANY	ASTD PARTS & MATERIALS	\$1,384.47	\$1,536.79
	2/5/2015	1060098		ASTD PARTS & MATERIALS - WATKINS STREET	\$152.32	
156623	2/5/2015	7636	STREAMLINE PLUMBING & DRAIN	REFUND # 17795 & 17796	\$1,000.00	\$1,500.00
	2/5/2015	7699		REFUND # 17798	\$500.00	
156608	2/5/2015	24837446	MOTION INDUSTRIES INC	2 EA BEARINGS	\$923.17	\$1,476.97
	2/5/2015	24837312		1 EA SHEAVE	\$38.51	
	2/5/2015	24837731		1 EA POWERGRIP GT3 BELT	\$405.07	
	2/5/2015	24837466		1 EA SHEAVE & BUSHING	\$110.22	
156633	2/12/2015	63070	3T EQUIPMENT COMPANY INC	ASTD PARTS & MATERIALS	\$1,432.59	\$1,432.59
156674	2/12/2015	103058	MUNIQUP, LLC	1 EA PULSAR LEVEL TRANSMITTER	\$1,279.55	\$1,279.55
156585	2/5/2015	11116	DIABLO BOILER WORKS	SERVICE CALL: CLEAVER-BROOKS BOILER	\$1,184.00	\$1,184.00

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156678	2/12/2015	235883	PRESTIGE LENS LAB	SAFETY GLASSES - LEDESMA	\$249.62	\$1,143.46
	2/12/2015	235888		SAFETY GLASSES - BASTIAN	\$282.32	
	2/12/2015	235856		SAFETY GLASSES - CARDENAS	\$168.96	
	2/12/2015	236079		SAFETY GLASSES - STRASBURG	\$192.94	
	2/12/2015	235858		SAFETY GLASSES - BRANNON	\$249.62	
156611	2/5/2015	20150203	DAVID M. O'HARA - REIMB	EXP REIMB: CASA EXPENSES - PALM SPRINGS	\$1,125.43	\$1,125.43
156595	2/5/2015	9628847973	GRAINGER INC	4 EA MODULAR TEST CLIPS	\$55.13	\$1,084.93
	2/5/2015	9627698195		2 EA CABLE CONNECTORS	\$132.64	
	2/5/2015	9627351555		1 EA AIR COMPRESSOR	\$516.01	
	2/5/2015	9626872668		3 EA MULTI-SURFACE CLEANERS	\$26.06	
	2/5/2015	9629182768		ASTD SAFETY SUPPLIES	\$208.42	
	2/5/2015	9628801871		2 EA HOOK TEST PROBES	\$54.98	
	2/5/2015	9629182776		1 EA AIR DIE GRNDR, RT ANG	\$91.69	
156686	2/12/2015	7555474800	RS HUGHES CO INC	ASTD SAFETY SUPPLIES	\$1,065.69	\$1,065.69
156666	2/12/2015	1012236	INDUSTRIAL SAFETY SUPPLY	ASTD CAL GAS FOR ELECTRICIANS	\$1,064.25	\$1,064.25
156672	2/12/2015	22180507	MCMASTER SUPPLY INC	ASTD PARTS & MATERIALS	\$922.15	\$1,048.33
	2/12/2015	22262620		ASTD PARTS & MATERIALS	\$73.05	
	2/12/2015	22180508		4 PKS BLANK ENGRAVING & STAMPING TAGS	\$53.13	
156640	2/12/2015	498123	A-PRO PEST CONTROL INC	JAN PEST CONTROL	\$1,005.00	\$1,005.00

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156654	2/12/2015	7725	DRAIN DOCTOR	REFUND # 17825	\$500.00	\$1,000.00
	2/12/2015	7739		REFUND # 17827	\$500.00	
156692	2/12/2015	4868173012915	SIERRA SPRING WATER COMPANY	WATER SERVICE 01/02/15 - 01/29/15	\$748.83	\$987.83
	2/12/2015	8122768012915		BOTTLESS COOLERS RENTAL	\$239.00	
156656	2/12/2015	20150206	PAUL ELDREDGE	TRAVEL REIMB: PARKING/GROUP MEALS/LODGING FOR T.	\$977.94	\$977.94
156568	2/5/2015	6146252	AT&T	SERV: 12/13/14 - 01/12/15	\$95.86	\$903.73
	2/5/2015	6150349		SERV: 12/13/14 - 01/12/15	\$41.75	
	2/5/2015	6137079		SERV: 12/13/14 - 01/12/15	\$724.37	
	2/5/2015	6150220		SERV: 12/13/14 - 01/12/15	\$41.75	
156685	2/12/2015	7547657272	ROYAL WHOLESALE ELECTRIC	18 LAMPS 24V LED	\$824.29	\$824.29
156658	2/12/2015	20154472	G3 ENGINEERING INC	ASTD PARTS FOR GBT POLYMER MIXING PUMP	\$821.70	\$821.70
156703	2/12/2015	33191	WECO INDUSTRIES LLC	10 BULBS & 12 RUBBER WHEELS	\$813.04	\$813.04
156570	2/5/2015	10556271	BLAISDELL'S	1 DZ PENS	\$14.29	\$811.13
	2/5/2015	10556270		ASTD OFFICE SUPPLIES	\$132.28	
	2/5/2015	10557010		15 DLY DIARY	\$284.97	
	2/5/2015	10557490		1 TONER	\$248.20	
	2/5/2015	10555040		1 TONER	\$131.39	
156665	2/12/2015	5511030	HOSE & FITTINGS ETC	ASTD PARTS & MATERIALS	\$353.75	\$778.51
	2/12/2015	5511603		ASTD PARTS & MATERIALS	\$424.76	

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156696	2/12/2015	3256123178	STAPLES CONTRACT & COMMERCIAL	ASTD JANITORIAL SUPPLIES - INVENTORY	\$573.63	\$774.98
	2/12/2015	3256123179		4 CS TOILET TISSUE ECO GRN 2PLY REC	\$201.35	
156680	2/12/2015	15258	R & S ERECTION OF S ALAMEDA	PROVIDE & INSTALL NEW SAW CUT SAFETY LOOP EXIT G,	\$750.00	\$750.00
156636	2/12/2015	9035553514	AIRGAS NCN	2 CYL ARGON	\$746.49	\$746.49
156644	2/12/2015	10569120	BLAISDELL'S	ASTD OFFICE SUPPLIES	\$382.79	\$717.78
	2/12/2015	10568770		1 KT IMAGE TRANSFER KIT	\$328.49	
	2/12/2015	10565220		3 PK CLIPS	\$6.50	
156606	2/5/2015	20716073	MCMASTER SUPPLY INC	3 EA REPLACEMENT CARTRIDGE FILTERS	\$54.98	\$715.92
	2/5/2015	21725632		ASTD PARTS & MATERIALS	\$35.31	
	2/5/2015	21858088		ASTD PARTS & MATERIALS	\$153.50	
	2/5/2015	21943292		20 EA CUTOFF WHEELS FOR GRINDERS	\$36.74	
	2/5/2015	21858089		1 EA RATCHET PULLER W/ WIRE ROPE	\$311.45	
	2/5/2015	20647338		2 EA RECHARGEABLE SEALED LEAD-ACID BATTERIES	\$65.08	
	2/5/2015	21554518		2 EA V-BELTS	\$22.44	
	2/5/2015	21554517		4 EA CABLE SAW FOR PVC PIPE	\$36.42	
156663	2/12/2015	1531884	HANSON AGGREGATES INC	9.30 TONS 1/2 MED TYPE A	\$697.49	\$697.49
156670	2/12/2015	7954	LIGHTHOUSE SERVICES, INC.	ANNUAL FRAUD HOTLINE FEE 2/1/15 - 2/1/16	\$690.00	\$690.00
156687	2/12/2015	2544554001	S & S SUPPLIES & SOLUTIONS	144 PRS ASTD GLOVES & 60 PRS ASTD SAFETY GLASSES	\$680.65	\$680.65
156569	2/5/2015	87896581201252015	AT&T	SERV: 12/18/14 - 01/17/15	\$678.84	\$678.84

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156580	2/5/2015	252996	CURTIS & TOMPKINS LTD	17 LAB SAMPLE ANALYSIS	\$625.00	\$625.00
156610	2/5/2015	42145908	OFFICE TEAM	TEMP LABOR-BLANCHETTE, V., WKEND 01/09/15	\$615.68	\$615.68
156589	2/5/2015	157103	EAST BAY TRUCK CENTER	DAIGNOSE NO POWER TRUCK T3252	\$583.20	\$583.20
156651	2/12/2015	253142	CURTIS & TOMPKINS LTD	6 LAB SAMPLE ANALYSIS	\$525.00	\$525.00
156704	2/12/2015	129849	WILDWOOD LODGE, PEWAUKEE, WI	JENBACHER TRAINING LODGING - STRASBURG	\$522.15	\$522.15
156561	2/5/2015	7717	ABOVE ALL PLUMBING, INC.	REFUND # 17794	\$500.00	\$500.00
156621	2/5/2015	7689	SANACT INC DBA ROTO-ROOTER	REFUND # 17793	\$500.00	\$500.00
156634	2/12/2015	7682	ABOVE ALL PLUMBING, INC.	REFUND # 17824	\$500.00	\$500.00
156642	2/12/2015	741	AUTOMATED NETWORK CONTROLS	THICKENER CONTROL BUILDING IMPROVEMENT PROJECT	\$500.00	\$500.00
156655	2/12/2015	7709	LI PING DUAN	REFUND # 17826	\$500.00	\$500.00
156679	2/12/2015	7654	QUALIFIED PLUMBERS SERVICE	REFUND # 17823	\$500.00	\$500.00
156688	2/12/2015	7588	S & Y CORPORATION	REFUND # 17820	\$500.00	\$500.00
156693	2/12/2015	7715	CHARLES SIMPSON	REFUND # 17828	\$500.00	\$500.00
156673	2/12/2015	657086	MOBILE MODULAR MANAGEMENT CORP	FMC TRAILER RENTAL - FEB 2015	\$467.57	\$467.57
156689	2/12/2015	26882	SENTRY AIR SYSTEMS INC	1 AIR FILTER PORTABLE WELDING HOOD	\$424.94	\$424.94
156607	2/5/2015	2882416	MIELE PROFESSIONAL PRODUCTS	GLASSWARE DISHWASHER MALFUNCTION	\$413.34	\$413.34
	2/5/2015	8605519		CREDIT FOR FREIGHT 6 EA PRO-CARE UNIVERSAL 61 SAL	\$-90.00	
	2/5/2015	2865823		6 EA PRO-CARE UNIVERSAL 61 SALT 6KG	\$344.26	
	2/5/2015	8605278		CREDIT FOR 6 EA PRO-CARE UNIVERSAL 61 SALT 6KG	\$-254.26	

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1/31/2015-2/13/2015**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
156702	2/12/2015	8040122511	VWR INTERNATIONAL LLC	3 CS CAP SNAP LID ONLY NS	\$286.58	\$407.45
	2/12/2015	8040081255		1 BRUCINE-SULFANILIC ACID	\$47.63	
	2/12/2015	8059389447		1 CS EPTIPS BULK 0.5-2.5ML	\$73.24	
156701	2/12/2015	9739230940	VERIZON WIRELESS	WIRELESS SERV 12/21/14-01/20/15	\$346.78	\$346.78
156588	2/5/2015	8536	EAST BAY MUNI UTILITY DISTRICT	6 LAB SAMPLE ANALYSIS	\$337.00	\$337.00
156652	2/12/2015	20150211	CWEA-NRTC	MEMBERSHIP - D. CHRISTOPHER	\$156.00	\$312.00
	2/12/2015	20150209		MEMBERSHIP - W. HARRIS	\$156.00	
156675	2/12/2015	42202768	OFFICE TEAM	TEMP LABOR-BLANCHETTE, V., WKEND 01/16/15	\$307.84	\$307.84
156617	2/5/2015	20150202	THERESA RODRIGUEZ	1 LABEL CARTRIDGE	\$291.64	\$291.64
156624	2/5/2015	6132	THORNTON ENVIRONMENTAL CONST	CALL OUT TO TROUBLESHOOT PROBE	\$288.00	\$288.00
156578	2/5/2015	44078457	CINTAS FIRE PROTECTION	TROUBLESHOOT NON REPORTING TAMPER SWITCH	\$285.00	\$285.00
156677	2/12/2015	20150205	RIC PIPKIN	EXP REIMB: COMBINED TEAM MEETING SAFETY MEAL	\$284.77	\$284.77
156631	2/5/2015	20150202	WEF-WATER ENVIRONMENT FEDERATI	WEF MEMBERSHIP S GHOSSAIN	\$272.00	\$272.00
156664	2/12/2015	997720150128	HOME DEPOT CREDIT SERVICES	MONTHLY HARDWARE STMT - JAN 2015	\$271.42	\$271.42
156562	2/5/2015	9035226313	AIRGAS NCN	2 CYL WELDING GAS- ACETYLENE	\$264.84	\$264.84
156599	2/5/2015	601447827	HILLYARD/SAN FRANCISCO	ASTD JANITORIAL SUPPLIES	\$244.88	\$244.88
156601	2/5/2015	20150204	PAULETTE JACOBS-ROBERSON	EXP REIMB: LUNCH FOR MGMT MEETING	\$233.98	\$233.98
156582	2/5/2015	201501.10	DALE HARDWARE INC	01/15 - ASTD PARTS & MATERIALS	\$225.28	\$225.28
156694	2/12/2015	20150201	SPOK INC	FEBRUARY 2015 PAGER SERVICE	\$217.24	\$217.24

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Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
156667	2/12/2015	857192	INTERNATIONAL PAINT LLC	ASTD PAINTS AND THINNERS	\$208.47	\$208.47
156579	2/5/2015	20150129	FRANK COUTO	TRAVEL REIMB: AIRFARE/MEAL/PARKING/MILEAGE	\$190.78	\$190.78
156619	2/5/2015	85340220150126	SAN FRANCISCO WATER DEPT	SERVICE 12/20/14 TO 01/22/15	\$181.23	\$181.23
156609	2/5/2015	20150205	SHAWN NESGIS	EXP REIMB: FEE FOR MSA COMMITTEE LUNCH MTG	\$10.00	\$160.00
	2/5/2015	20150203		EXP REIMB: GIFT CARDS FOR DEC & JAN SAFETY AWARD	\$150.00	
156600	2/5/2015	5508801	HOSE & FITTINGS ETC	1 EA F722TC-06-06-16-16-16-61.0	\$156.10	\$156.10
156581	2/5/2015	20150203	CWEA-NRTC	MEMBERSHIP RENEWAL: A. LATHI	\$156.00	\$156.00
156627	2/5/2015	9853025	UPS - UNITED PARCEL SERVICE	SHIPPING CHARGES W/E 01/10/15	\$144.96	\$144.96
156632	2/5/2015	11019	WESTERN MACHINE & FAB INC	MACHINE & POLISH END CAP HOUSING	\$140.00	\$140.00
156622	2/5/2015	20150203	KRISTINA SILVA	PROJ 438 LUNCH MEETING	\$138.50	\$138.50
156660	2/12/2015	20150209	MOHAMMAD GHOURY	EXP REIMB: EXTERNAL HARD DRIVE FOR 2014 AERIALS	\$131.39	\$131.39
156618	2/5/2015	26878	SAFETYLINE INC	ORANGE ANSI TOWING JACKET - BULLIS	\$119.92	\$119.92
156690	2/12/2015	852557541	SHARP BUSINESS SYSTEMS	MTHLY MAINTENANCE BASED ON USE	\$115.71	\$115.71
156565	2/5/2015	20150129	ALLIANT INSURANCE SERVICES INC	SPECIAL EVENT INS-MSA 2014 VENDOR SHOW	\$113.00	\$113.00
156566	2/5/2015	5011127	ALPHA ANALYTICAL LABORATORIES	5 LAB SAMPLE ANALYSIS	\$110.00	\$110.00
156614	2/5/2015	70581	REMOTE SATELLITE SYSTEMS INT'L	IRIDIUM SVC FEE FEBRUARY 2015	\$97.90	\$97.90
156657	2/12/2015	1111247	FASTENAL	ASTD PARTS & MATERIALS	\$95.19	\$95.19
156684	2/12/2015	20150209	JOSE RODRIGUES JR	EXP REIMB: EMERGENCY REPAIR DINNER	\$83.46	\$83.46
156598	2/5/2015	9195190	HACH COMPANY	1 EA MEMBRANDE REPLACEMENT	\$82.62	\$82.62

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CHECK REGISTER
1/31/2015-2/13/2015**

Check No.	Date	Invoice No.	Vendor	Description	Invoice Amt	Check Amt
156671	2/12/2015	20150206	REGINA MCEVOY	EXP REIMB: LUNCH FOR BOARD WORKSHOP ON 2/5/15	\$76.98	\$76.98
156613	2/5/2015	224720150123	PACIFIC GAS AND ELECTRIC	SERV TO 01/22/15 CS TRAINING TRAILER	\$72.94	\$72.94
156662	2/12/2015	256480	HANIGAN COMPANY INC	2 LOTS BUSINESS CARDS - GRILLO & LOPEZ	\$67.69	\$67.69
156563	2/5/2015	1301	ALAMEDA COUNTY TREASURER	18 ASSESSOR'S MAPS	\$54.00	\$54.00
156615	2/5/2015	258826	RKI INSTRUMENTS INC	5 HELAPET FILTERS	\$32.85	\$32.85
156647	2/12/2015	77159	STATE OF CALIFORNIA	1 NEW HIRE FINGERPRINTS - CIP CONSULTANT	\$32.00	\$32.00
156575	2/5/2015	276201	CENTERVILLE LOCKSMITH	2 KEYS	\$3.60	\$3.60

Invoices:

Credit Memos :	2	-344.26
\$0 - \$1,000 :	159	49,105.49
\$1,000 - \$10,000 :	56	174,323.09
\$10,000 - \$100,000 :	18	474,236.28
Over \$100,000 :	0	
Total:	235	697,320.60

Checks:

\$0 - \$1,000 :	75	29,902.61
\$1,000 - \$10,000 :	54	175,320.41
\$10,000 - \$100,000 :	15	492,097.58
Over \$100,000 :		
Total:	144	697,320.60

DROUGHT

2/6/15 Argus

Water use slashed statewide in December

Wet month leads to 22.2% reduction over previous year

By Paul Rogers

progers@mercurynews.com

Driven by drenching rainstorms that dramatically reduced the need to water lawns, Californians cut water use 22.2 percent in December compared with the same month a year before, according to new data released Tuesday.

For the first time since last June, when the State Water Resources Control Board required the 411 largest cities and water districts in California to issue monthly water use reports, residents of the Los Angeles and San Diego areas conserved more water than residents of the Bay Area: 23.2 percent vs. 21.6 percent.

But leaders at the board said Tuesday that the impressive gains aren't expected to last.

January was bone dry and hot, and officials hope water use doesn't shoot right back up again when the tally is done for January.

"I'm choosing to be optimistic," said Felicia Marcus, chairwoman of the state water board. "Obviously it was a wet December, so people had to turn off their sprinklers. But they did make a decision to turn them off. I'm hoping people keep that up."

Marcus was frank about what the record-dry January, which saw no rainfall in

some major California cities for the first time in recorded history, will do to the conservation numbers next month.

"I think it's slim we'll see 22 percent savings in January," she said. "But I hope we don't see 10 percent or lower."

If past months are an indicator, however, 10 percent or lower is quite possible.

Despite Gov. Jerry Brown's request for 20 percent savings statewide, Californians reduced water use only 9.9 percent in November, compared with the prior November; 6.9 percent in October; 10.2 percent in September; 11.5 percent in August; 7.5 percent in July; and 4.4 percent in June.

As the state heads toward what could be a fourth year of drought, the state water board will begin considering options on Feb. 17 for tougher rules to reduce urban water use. Among them: requiring all water districts and cities to perform a systemwide audit of leaks, and setting specific days and times when people can water lawns, with violators facing fines.

Various water leaders from around the state said the December numbers were heartening and reinforced how important it is to reduce lawn watering — which accounts for roughly half of all urban water use in California.

"It's encouraging. Rain helps," said Dave Boland, with the Association of California Water Agencies. "We

21.6

Percent decrease in use of water in the Bay Area

23.2

Percent decrease in Los Angeles and San Diego

were pleased about December, but obviously, January was pretty worrisome. It's obvious at this point that the drought emergency is still with us."

Penny Falcon, water conservation manager at the Los Angeles Department of Water and Power, said that Los Angeles spent \$50 million last year in conservation programs such as rebates to people who purchase water-efficient appliances or remove lawns. That's up from \$35 million the year before.

She acknowledged that Los Angeles in recent months has reduced water use by only 3 to 9 percent — something that has raised criticisms because many Bay Area cities have saved 20 percent or more over the same time. But she noted that Los Angeles uses less residential water per capita than the state average — 62 gallons per person per day in December, for example, compared with a statewide average of 67.

By comparison, in December San Francisco residents used 40 gallons per person per day, San Jose Water Company customers

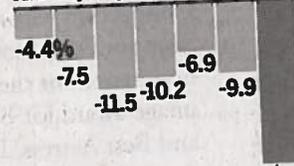
Water conservation

Because of the heavy rains in December, the state was able to meet the governor's 20 percent savings goal for that month.

Water usage

Compared with same month in 2013

June July Aug. Sept. Oct. Nov. Dec.



Source: State Water Resources Control Board

BAY AREA NEWS GROUP

used 53, San Diego used 46, East Bay Municipal Utility District used 55, Bakersfield used 81, Sacramento 78 and Contra Costa Water District used 72 gallons per person per day.

Last summer, the board passed statewide rules that ban the wasteful use of water, including requiring that anyone washing a car have a nozzle on the hose they use, that ornamental fountains can be used only if they recycle their water, and that lawn watering not be excessive enough to run off into the sidewalk or neighboring properties. Violators could face fines of up to \$500, although enforcement is left up to local cities and water districts and nearly all of them have decided to issue warnings rather than issue fines.

Paul Rogers covers resources and environmental issues.

NORTH VS. SOUTH

Their drought is deeper than our drought

Deluge gave us a giant dose of relief, but rain has dodged folks down south

By Paul Rogers

progers@mercurynews.com

Lots of issues divide Southern and Northern California: The Dodgers vs. the Giants. Hollywood vs. Silicon Valley. Southern Californians say “the” before naming a freeway; northerners don’t.

Now, after this past weekend’s soaking storms, there’s a new difference emerging: the drought.

As the state faces a possible fourth year of drought, Northern California is enjoying a healthy wet winter so far, with rainfall levels at 100 percent of their historic average or above in nearly every city, and reservoirs, while still not back to normal, steadily filling. But rainfall totals in Southern California are anemic, and falling further behind as each major storm only drenches the northern part of the state, leaving the southern half dry.



MORE INSIDE

Map breaks down rainfall totals for the state. **PAGE A6**

See **DROUGHT**, Page 6

Drought

Continued from Page 1

If the trend continues, this summer there may be two droughts: a mild one in Northern California that most residents barely notice, and a far more severe one in the more populated southern half of the state with more fire risk, smog, desperate groundwater pumping and more strict water rationing.

“We definitely want to see more rain down here. We are getting behind,” said Eric Boldt, a meteorologist with the National Weather Service in Los Angeles.

How big is the rain gap?

Up to 12 inches of rain fell in some remote Northern California areas over the weekend, with most Bay Area and Northern California cities receiving 1 to 3 inches from Friday to Monday.

But over the same time, Los Angeles received just 0.02 of an inch, and Riverside and San Diego got none.

In an average year, many Bay Area cities and L.A. basin cities receive about the same amount of rain. San Jose averages 14.9 inches in a normal year, the same as Los Angeles.

This year, however, since Oct. 1, San Jose has received 11.58 inches — 134 percent of normal for early February — while L.A. has received only half as much, 5.72 inches — good for just 70 percent of normal.

By the numbers

Although there are a few exceptions, most areas south of Fresno are similarly dry. Irvine is at 61 percent of normal rainfall, while San Francisco is at 109 percent. Riverside is at 60 percent, while Oakland is at 107 percent. Palm Springs is at 36 percent, while Sacramento is at 120 percent.

“There is a big difference,” said Jay Lund, a professor of civil and environmental engineering at UC Davis. “Some people in Southern California may be feeling this year like nature doesn’t like Southern California.”

The reason is largely meteorological luck, say experts.

Two of the biggest storms that have hammered Northern California were both “atmospheric rivers.” Those are the so-called “Pineapple Express” storms that race in from the tropics. Although they provide up to half of California’s rainfall every year, they also tend to be narrow, only a few hundred miles wide.

As a result, the places that are in the bull’s eye where the “express” comes ashore get absolutely deluged. Places a few hundred miles away get nothing.

“With this system, we had an atmospheric river coming from Hawaii,” said Holly Osborne, a meteorologist with the National Weather Service in Sacramento.

“Basically the moisture plume hit around the Oregon-California border, so if you were in the southern

ONLINE EXTRA

Read more about the state's drought and saving water at www.cadrought.com

part of the state, you didn't see much at all."

Added to that, the Pacific Ocean remains unusually warm, which led scientists last year to raise the probability for El Niño conditions. But those conditions, which historically have meant higher chances of a wet winter for Southern California than Northern California, have failed to materialize because the ocean conditions haven't triggered atmospheric changes needed for an El Niño.

"We never really got it," said Boldt. "Now it's February. It's late."

Southern California receives its water from many places, including the Colorado River, local reservoirs and groundwater wells. But a significant portion comes from the northern part of the state, through the Sacramento-San Joaquin River Delta, and dry conditions will increase political pressure for more pumping.

On the horizon

To be sure, California has two more months in the traditional winter rain season. Trends could flip and several warm tropical storms could barrel into Southern California, evening the score. But for now, residents of the Southland are getting nervous.

"You can't escape it. Everybody is talking about it," said Sally Melcher, assistant manager of Sunset Nursery in Los Angeles.

"My roommate was just in Concord last week. She

got drenched walking two blocks from a restaurant to the parking lot. We only got a tiny bit of rain here, just enough to get the plants damp."

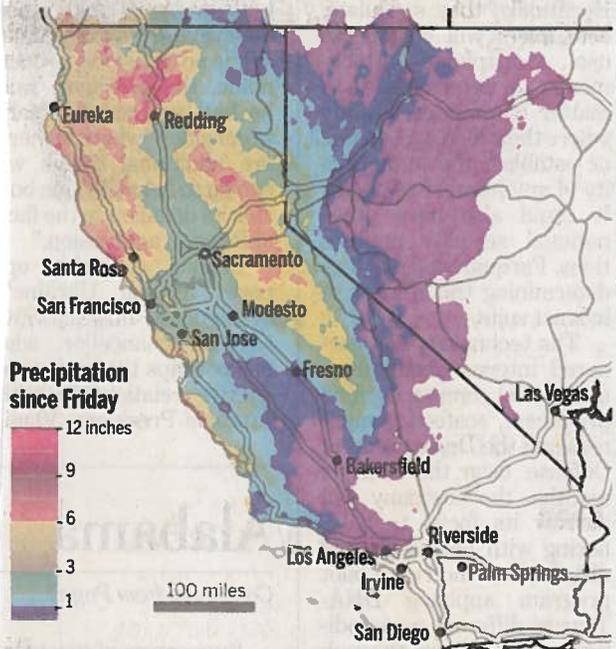
She laughed.

"It's not fair!" Melcher added. "But I guess we should say it's good that it's raining somewhere."

Contact Paul Rogers at 408-920-5045.

The North fares better in precipitation

The recent storms have pushed most of Northern California above normal precipitation for the season, but most of the South is still lagging.



Inches	Total since Friday	Season to date 2014-15		Season to date 2013-14		Normal season to date	Season normal
		Inches	% of normal	Inches	% of normal		
Northern California							
Eureka	1.07	23.41	97%	4.33	18%	24.09	40.33
Livermore	2.26	11.65	125%	3.00	32%	9.32	15.71
Modesto	1.39	8.35	113%	2.57	35%	7.41	13.11
Oakland	1.91	13.14	107%	3.20	26%	12.26	20.81
Sacramento	2.75	13.12	120%	3.37	31%	10.94	18.52
San Francisco	1.99	15.92	109%	4.23	29%	14.67	23.65
San Jose	1.70	11.58	134%	1.88	22%	8.61	14.90
Santa Rosa	3.66	22.58	100%	7.95	35%	22.47	36.28
Southern California							
Bakersfield	0.07	3.43	99%	1.23	35%	3.47	6.47
Fresno	0.47	3.86	62%	2.25	36%	6.25	11.50
Irvine	0.01	4.62	61%	1.13	15%	7.52	13.33
Los Angeles	0.02	5.72	70%	1.11	14%	8.14	14.93
Palm Springs	0	1.09	36%	0.18	6%	3.02	5.74
Riverside	0	3.81	60%	1.04	17%	6.30	12.40
San Diego	0	5.29	93%	2.55	45%	5.67	10.34

Source: National Weather Service

BAY AREA NEWS GROUP



Group Sues Sanitation District over Releasing Ammonia into Delta

POSTED 5:29 PM, FEBRUARY 11, 2015, BY LONNIE WONG, *UPDATED AT 05:26PM, FEBRUARY 11, 2015*



SACRAMENTO-

An environmental group has sued the Sacramento Regional County Sanitation District for releasing too much ammonia into the Delta.

The Center for Environmental Science, Accuracy and Reliability contends in the suit that the district is dragging its feet in following rules governing threatened wild species, namely Delta smelt.

“We’re concerned because of the 14 tons of ammonia that the district discharges into the Delta everyday,” attorney Damien Schiff said.

Schiff said when the district was given its latest permit to release waste water in 2010 by the State Water Board, it was told that it had a responsibility to pay attention to federal wildlife protection regulations.

But the district, which serves nearly 1.4 million customers in Sacramento County and West Sacramento, said it was complying with state regulations and had not broken any laws. In fact, the district engineer says it has voluntarily spent \$100 million to reduce ammonia in its waste water releases and is moving quickly to meet a 2021 deadline to upgrade its massive sewer treatment plant to eliminate ammonia from its sewage releases into the river.

“It’s a bit of a surprise to us. As far as I can tell, this lawsuit does nothing to improve the quality of what we produce and what we discharge into the Sacramento River,” Prabhakar Somavarapu, the Sacramento Area Sewer District’s operations manager, told FOX40.

Schiff admits that the lawsuit filed in Federal District Court in Sacramento will not get upgrades at the sewage plant built any faster, but he says it puts agencies on notice that they must move quickly to follow federal endangered species guidelines.

The district earlier filed its own lawsuit saying that there was not enough evidence that the ammonia it released had a detrimental effect on smelt, which can be a bellwether for the health of the Delta’s eco-system.

But the district has dropped the lawsuit.

“That is still somewhat disputed, but we have gone beyond that point. We have agreed to do whatever the regulatory agencies have asked us to do and we’re doing it,” Somavarapu said.

The district’s initial reluctance to was understandable because the required fixes would cost close to \$2 billion that will be paid by sewer bill increases.

It's the most expensive public works project in Sacramento County history. Sewer rates have already gone up and they will have more than doubled by 2021 when the project is completed.



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Longtime Oro Loma Sanitary Board Member Landis Resigns Under Fire

PDF | Print | E-mail

User Rating: / 5
 Poor Best

THURSDAY, 12 FEBRUARY 2015 15:32

By Amy Sylvestri • San Leandro Times

Oro Loma Sanitary District board member Laython “Judge” Landis has announced his retirement from the board.

There had been calls for Landis’ resignation recently and a petition from the board to have him removed on the grounds of mental incompetence after he made racist and sexist remarks.

Oro Loma handles wastewater, trash, and recycling services for parts of Castro Valley, San Lorenzo, San Leandro, Cherryland, and Ashland. It is overseen by a five-member elected board of directors.



The board was in the process of attempting to get Landis removed on grounds of mental incompetency due to his age when he quit. Landis says he is still sharp, it is just time to move on.

Landis sent a “letter of retirement” to the Oro Loma board on Friday after previously vowing that he would never quit and that the board “would have to find a way to fire me.”

But Landis changed his mind after talking with friends.

“We talked about it and I was convinced to get it behind me, no more aggravation,” said Landis.

Landis will leave the board on March 30, his 89th birthday. Landis had been with the Oro Loma board for over 40 years, constantly being reelected by constituents. Landis spent his career at Pacific Bell and previously served on the San Leandro City Council in the late 1970s and early 1980s.

The controversy began in December, when Landis used the phrase “raining cats, dogs, and (n-word) babies” at a committee meeting. Board president Tim Becker immediately met with the sanitary district’s attorneys about what they could do to remove Landis from the board.

Becker said that Landis’ use of the n-word was part of “a pattern of bad behavior,” including commenting on the legs of a female Oro Loma employee and becoming so intoxicated at a conference that he had to be helped to his room.

Landis said the n-word comment was a colloquialism and not intended to be racist or in any way hateful. He also said that his comments to the woman were intended as a compliment and that everyone was drinking at the conference and he was not out of control.

The board officially censured Landis, removing him from all subcommittees. But because Landis is a publicly-elected official, he could not be fired.

The board then contacted the state attorney general’s office about having Landis removed from office on grounds of mental incompetence. Becker said that Landis’ mental state has been devolving for the past few years.

At a recent Oro Loma meeting where the matter of asking for Landis’ resignation was discussed, Landis appeared not to realize that they were talking about him and asked who the discussion was regarding, according to Becker.

“The whole thing has been painful,” said Becker.

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Landis disputes any claim that he is mentally unsound in any way. He says that he is still sharp, but acknowledges that his comments were inappropriate.

“I am not incompetent, anything but,” said Landis. “But I shouldn’t be saying those kinds of things, I know.”

Landis says that he was proud of serving his community on the Oro Loma board all these years and just has one thing left to say to his constituents.

“Quit picking on me,” said Landis.

Now, Oro Loma will begin the search for a new board member. The application process will open in the next few weeks and a candidate will be selected by the board to serve out the rest of Landis’ term (through 2016) at which point a regular public election will be held for the seat.



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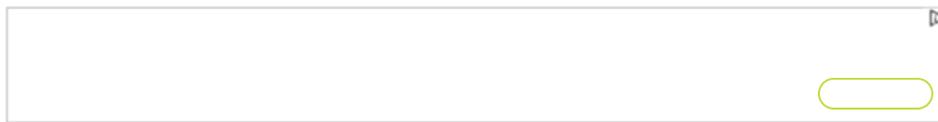
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MYSTERY SUBSTANCE

Scientists zero in on source of goo

A surf scoter is washed at Fairfield's International Bird Rescue in January as part of efforts to scrub a mystery substance from shorebirds. Petroleum oil has been ruled out as the source.

KRISTOPHER SKINNER/
STAFF ARCHIVE



Petroleum oil ruled out as bay pollutant plaguing birds

By Rebecca Parr

rparr@bayareanewsgroup.com

HAYWARD — Scientists are a little closer to identifying the mystery goo that coated hundreds of birds along the Hayward and San Leandro shoreline in mid-January, ruling out petroleum oil, a state agency announced Thursday.

The goo was a mixture of nonpetroleum fats or oils, the state Department of Fish and

Wildlife said.

But that's a wide category, covering synthetic oils such as silicone fluids, tung oils and resins, animal fats and oil, and plant seed oils.

"Those are all possible substances it could be. It can be difficult to narrow down," said Steve Gonzalez, a Fish and Wildlife spokesman.

"We're going to continue testing until we learn more or

hit a brick wall," he said.

The substance ranged in consistency from an oily or gummy substance to a hard varnish and was difficult to remove from birds' feathers, the agency said.

The seabirds were first seen washing up on the shoreline on Jan. 16. International Bird Rescue took the lead in caring for

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323 birds that were captured alive.

An additional 170 birds were found dead. Others may have sunk or been eaten or overlooked during searches.

Investigators do not know how much of the substance was spilled.

"The Coast Guard did a flyover and did not see a sheen on the water," said Mary Fricke of Fish and Wildlife.

Birds' feathers act as a kind of wetsuit to keep the animals warm, she said. When oil coats feathers, birds can lose their insulation and buoyancy.

The oil also can cause hypothermia, starvation, drowning, suffocation, infections and death.

"Nonpetroleum oil seems to have the same effect as petroleum. When the birds get cold, they start washing up on shore to try to warm themselves," Fricke said.

Fish and Wildlife is working with the U.S. Environmental Pro-

tection Agency, the National Oceanic and Atmospheric Administration and the state Department of Public Health to identify the oil and its source.

"This was like a giant jigsaw puzzle with thousands of pieces to put together," said Janna Rinderneck, an environmental scientist at the state Office of Spill Prevention and Response. "We had many possibilities of what this material could be.

Working together, the laboratories have narrowed that list."

Gonzalez would not speculate on the cause of the spill.

"It could have been an accident; it could be intentional. We don't know," he said.

"If somebody saw something unusual, or this information jogs their memory a little bit, please report it," he said.

Anyone with information about the spill is asked to call CalTIP at 1-888-334-2258.

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