



AGENDA

INVOCATION AND PLEDGE OF ALLEGIANCE: (Prakash Narain)

ROLL CALL:

1. Receive and file Minute Excerpts of member agencies relating to appointments to the Orange County Sanitation District Board, as follows:

<u>City/Agency</u>	<u>Active Director</u>	<u>Alternate Director</u>
Anaheim	Harry Sidhu	Gail Eastman
Buena Park	Fred Smith	Steve Berry
Cypress	Prakash Narain	Doug Bailey
Fountain Valley	Larry Crandall	Steve Nagel
Huntington Beach	Joe Carchio	Matthew Harper
Irvine	Jeffrey Lalloway	Steven Choi
La Habra	Tom Beamish	Rose Espinoza
La Palma	Mark Waldman	Steve Hwangbo
Los Alamitos	Troy Edgar	Ken Stephens
Placentia	Constance Underhill	Joseph Aguirre
Newport Beach	Steven Rosansky	Nancy Gardner
Tustin	John Nielsen	Jerry Amante
Yorba Linda	John Anderson	Jim Winder

PUBLIC COMMENTS: *If you wish to speak, please complete a Speaker's Form (located at the table outside of the Board Room) and give it to the Clerk of the Board. Speakers are requested to limit comments to three minutes.*

REPORTS: *The Chair and the General Manager may present verbal reports on miscellaneous matters of general interest to the Directors. These reports are for information only and require no action by the Directors.*

INFORMATIONAL ITEM:

2. EnerTech Biosolids Management Contract Update.

CLAIMS:

3. Ratify payment of claims of the District, by roll call vote, as follows:

<u>Claims Paid for the Period Ending</u>	<u>12/15/10</u>	<u>12/31/10</u>
Totals	\$ 16,443,011.99	\$ 10,161,518.27

DIRECTORS: Pursuant to Government Code Section 84308, you are required to disclose any campaign contribution greater than \$250 received in the past twelve months from any party to a contract involving OCSD. This requires that you identify the contributor by name. Further, you may not participate in the decision making process to award a contract to such party. For reference, you are directed to the Register of Warrants as to all current contractors/vendors with OCSD. For the specifics of Government Code Section 84308, please see your Director's Handbook or call the office of General Counsel.

CONSENT CALENDAR: Consent Calendar Items are considered to be routine and will be enacted, by the Board of Directors, after one motion, without discussion. Any items withdrawn from the Consent Calendar for separate discussion will be considered in the regular order of business.

4. Approve Minutes for the Regular Meeting held on December 15, 2010.
5. A. Approve Plans and Specifications for the P1 CenGen Strainer Drain Improvements, Project No. FE07-23, on file at the office of the Clerk of the Board;
- B. Approve Addendum No. 1 to the plans and specifications;
- C. Receive and file bid tabulation and recommendation;
- D. Award a construction contract to J. F. Shea Construction, Inc. for P1 CenGen Strainer Drain Improvements, Project No. FE07-23, for an amount not to exceed \$101,840; and,
- E. Approve a contingency of \$20,368 (20%).
6. Adopt Resolution No. OCSD 11-01, Authorizing Emergency Repairs to the Santa Ana River Interceptor (SARI) Pipeline Protective Cover and Ratifying the General Manager's Use of Emergency Purchasing Authority pursuant to Delegation of Authority Resolution No. OCSD 07-04, Section 6.03(J), and authorize and find a continuing need for the General Manager to issue the following purchase orders for the 2010 SARI Protection Repairs, Project No. 2-41-7:
- A. Purchase Order No. 81354-OS to Jamison Engineering Contractors for providing construction services, for a total amount not to exceed \$500,000;
- B. Purchase Order No. 81407-OS to RBF Consulting for providing surveying services for a total amount not to exceed \$100,000; and,
- C. Purchase Order No. 81408-OS to TetraTech, Inc. for providing engineering services, for a total amount not to exceed \$25,000.

STEERING COMMITTEE:

7. Approve Minutes of the December 15, 2010, Steering Committee meeting.

NON-CONSENT CALENDAR:

8. A. Establish a budget for the Joint GWRS Microfiltration Backwash Redirection Project, Project No. J-36-1, in the amount of \$1,061,000; and
- B. Approve a reimbursement agreement with the Orange County Water District for half the project expenditures, in a form approved by General Counsel, for an estimated amount not to exceed \$1,061,000.

CLOSED SESSION:

During the course of conducting the business set forth on this agenda as a regular meeting of the Board, the Chair may convene the Board in closed session to consider matters of pending real estate negotiations, pending or potential litigation, or personnel matters, pursuant to Government Code Sections 54956.8, 54956.9, 54957 or 54957.6, as noted.

Reports relating to (a) purchase and sale of real property; (b) matters of pending or potential litigation; (c) employment actions or negotiations with employee representatives; or which are exempt from public disclosure under the California Public Records Act, may be reviewed by the Board during a permitted closed session and are not available for public inspection. At such time as the Board takes final action on any of these subjects, the minutes will reflect all required disclosures of information.

Convene in closed session, if necessary

- (1) CONFERENCE WITH LEGAL COUNSEL RE. ANTICIPATED LITIGATION
(Government Code Section 54956.9(b))

Significant Exposure to Litigation and Potential Initiation of Litigation

Number of Potential Cases: 2

- a) EnerTech Rialto Facility Contract
b) Newport Trunk Sewer, Project 5-58

- (2) CONFERENCE WITH LEGAL COUNSEL RE. EXISTING LITIGATION
(Government Code Section 54956.9(a))

Number of Potential Cases: 2

- a) Nguyen v. Orange County Sanitation District, Orange County Superior Court, Case No. 30-2008-00115222
b) Ioja, et al. v. Orange County Sanitation District, Orange County Superior Court, Case No. 30-2008-00116442

Reconvene in regular session and consider action, if any, on matters discussed in closed session.

OTHER BUSINESS AND COMMUNICATIONS OR SUPPLEMENTAL AGENDA ITEMS, IF ANY:

ADJOURNMENT:

The next Board of Directors Regular Meeting is scheduled for Wednesday, February 23, 2011, at 6:30 p.m.

Accommodations for the Disabled: The Board of Directors Meeting Room is wheelchair accessible. If you require any special disability related accommodations, please contact the Orange County Sanitation District Clerk of the Board's office at (714) 593-7130 at least 72 hours prior to the scheduled meeting. Requests must specify the nature of the disability and the type of accommodation requested.

Agenda Posting: In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted outside the main gate of the Sanitation District's Administration Building located at 10844 Ellis Avenue, Fountain Valley, California, not less than 72 hours prior to the meeting date and time above. All public records relating to each agenda item, including any public records distributed less than 72 hours prior to the meeting to all, or a majority of the Board of Directors, are available for public inspection in the office of the Clerk of the Board.

NOTICE TO DIRECTORS: To place items on the agenda for the Regular Meeting of the Board of Directors, items must be submitted to the Clerk of the Board 14 days before the meeting.

Clerk of the Board, Donna Terrones
(714) 593-7130
dterrones@ocsd.com

BOARD OF DIRECTORS

AGENDA REPORT

Meeting Date	To Bd. of Dir. 01/26/11
Item Number	Item Number 2

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Jim Herberg, Director of Engineering
Project Manager: Jim Colston, Environmental Compliance Manager

SUBJECT: EnerTech Biosolids Management Contract Update

GENERAL MANAGER'S RECOMMENDATION

Information Only Item

SUMMARY

- At the Regular January Board Meeting, staff will present information on the status of the EnerTech facility. Steve Maguin, General Manager and Chief Engineer for the Sanitation Districts of Los Angeles County (LACSD), will also provide his agency's perspective.

PRIOR COMMITTEE/BOARD ACTIONS

- November 2006 – Adopted Amendment No. 1 to Agreement with EnerTech Environmental California, LLC, increasing the amount of Biosolids from 200 tons to 225 tons, and increasing the contract period from 20 to 25 years, and to increase cost from \$69.40 to \$72.40 per ton.
- July 2005 – Adopted 10-year agreement with EnerTech Environmental California, LLC with four five-year options at an initial cost of \$69.40 per ton of biosolids managed.

ADDITIONAL INFORMATION

- In 2003, with regulatory uncertainties resulting from counties throughout California restricting or banning the land application of Class B biosolids, the Orange County Sanitation District (Sanitation District) developed a long-range biosolids management plan (LRBMP) in order to develop a sustainable, reliable, and economical program for biosolids.
- In 2004, based on the recommendations from LRBMP, the Sanitation District released five Requests for Proposals (RFP) of various biosolids management technologies: (1) Energy production, (2) Off-site thermal drying for production of pellets or granules, (3) On-site thermal drying for production of pellets or granules, (4) Heat drying with processes soil, and (5) Manufacture of compost products.

ADDITIONAL INFORMATION (cont'd)

- Of the nine proposals received in response to the RFP, four met the Sanitation District's mandatory minimum requirements. EnerTech Environmental, Inc.'s (EnerTech) proposal to convert Sanitation District biosolids to a renewable fuel at a Regional Biosolids Processing Facility in Rialto, California received the highest score of the four viable proposals. Contracting with EnerTech to produce a fuel product satisfied both the diversification and sustainability goals of the Sanitation District's Biosolids Management Program.
- In 2005, the Board authorized the General Manager to enter into a contract with EnerTech to manage a portion of the Sanitation District's biosolids at their biosolids-to-fuel processing facility. In 2006, the Board approved an amendment to the Agreement to increase the quantity of biosolids delivered from 200 tons to 225 tons, extending the contract period from 20 to 25 years, and increasing the cost from \$69.40 to \$72.40 per ton, for an annual amount not to exceed \$5,950,000, plus existing cost escalators. The contract expires December 1, 2033.
- EnerTech began accepting biosolids from the Sanitation District and three other participating agencies, LACSD, and the Cities of Riverside and San Bernardino in November 2008.
- Since the start-up, the facility has operated at approximately 40% of its required capacity due to technical problems at the facility. In response, EnerTech has developed a technical plan for modifications necessary to get the facility to full production.

CEQA

N/A

BUDGET/DELEGATION OF AUTHORITY COMPLIANCE

This is an information only item.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
N/A	N/A	N/A

JC:jb:gc

BOARD OF DIRECTORS

AGENDA REPORT

Meeting Date	To Bd. of Dir. 01/26/11
Item Number	Item Number 3

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Lorenzo Tyner, Director of Finance and Administrative Services

SUBJECT: PAYMENT OF CLAIMS

GENERAL MANAGER'S RECOMMENDATION

Ratify Payment of Claims of the District by Roll Call Vote.

CONFLICT OF INTEREST NOTIFICATION

Pursuant to Government Code Section 84308, you are required to disclose any campaign contribution greater than \$250 received in the past twelve months from any party to a contract involving the Orange County Sanitation District. Further, you may not participate in the decision making process to award a contract to such party.

For reference, you are directed to the Register of Warrants as to all current contractors/vendors with the District.

In general, you must disclose the basis of the conflict by identifying the name of the firm or individual who was the contributor.

For the specifics of Government Code Section 84308, please see your Director's Handbook or call the office of General Counsel.

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

See attached listing.

ATTACHMENTS

1. Copies of Claims Paid reports from 12/01/10 – 12/15/10 and 12/16/10 – 12/31/10

Claims Paid From 12/01/10 to 12/15/10

Vendor	Warrant No.	Amount	Description
<u>Accounts Payable Warrants</u>			
A W Chesterton	35469	\$ 1,304.77	Repair & Maintenance Services and/or Supplies
Abel Pumps, L.P.	35798	1,838.66	Repair & Maintenance Services and/or Supplies
Abel Scale, Inc.	35799	870.00	Repair & Maintenance Services and/or Supplies
Absolute Standards, Inc.	35610	310.00	Laboratory Services & Supplies
Accurate Air Engineering, Inc.	35611	5,617.01	Electrical/Electronic Equipment, Parts & Repairs
A-Check America, Inc.	35609	705.75	Human Resources Services
Adam A. Nazaroff	35590	597.00	Meeting/Training Expense Reimbursement
AECOM Technical Services, Inc.	35470	13,766.41	Professional Services/Engineering Design Services
Air Liquide America Specialty Gases, L.L.C.	35800	84.00	Laboratory Services & Supplies
Air Products & Chemicals, Inc.	35785	27,166.23	Chemicals, Water/Wastewater Treatment
Airgas Safety, Inc.	35612	3,572.70	Safety, Security, Health Equipment, Supplies, and Services
Airgas Safety, Inc.	35801	7,007.98	Safety, Security, Health Equipment, Supplies, and Services
Airgas West	35802	2,136.51	Repair & Maintenance Services and/or Supplies
AKM Consulting Engineers	35471	13,920.00	Professional Services/Dig Alert Associate Engineer
Alan Plummer Associates	35472	860.00	Professional Services/Engineering Design Services
Alhambra Foundry Co., Ltd.	35473	9,239.40	Repair & Maintenance Services and/or Supplies
Alhambra Foundry Co., Ltd.	35613	6,159.60	Repair & Maintenance Services and/or Supplies
All American Asphalt	35474	5,260.00	Repair & Maintenance Services and/or Supplies
Allied Packing & Rubber, Inc.	35614	63.37	Repair & Maintenance Services and/or Supplies
Amazing Tents & Events	35615	577.00	Rental Furniture -Tables/Chairs
American Express	35786	33,799.38	Purchasing Card Program for Miscellaneous Parts and Supplies
American Express TVL Related Svcs. Co., Inc.	35803	1,292.00	Purchasing Card Program for Miscellaneous Parts and Supplies
American Society of Civil Engineers	35616	255.00	Professional Organizations Meeting/Training/Membership
Applied Industrial Technology	35617	735.36	Repair & Maintenance Services and/or Supplies
Aquatic Biosystems, Inc.	35475	300.50	Laboratory Services & Supplies
Arcadis U.S., Inc.	35804	18,406.20	Professional Services/Engineering Design Services
Archie Ivy, Inc.	35476	4,477.00	Facilities, Maintenance, Services & Supplies
Ashbrook Simon Hartley Operations, L.P.	35618	688.19	Repair & Maintenance Services and/or Supplies
AT & T Mobility II, L.L.C.	35477	8,591.80	Telecommunications
AT & T Mobility II, L.L.C.	35620	199.00	Telecommunications
AT & T Universal Biller	35619	3,235.12	Telecommunications
AT & T Universal Biller	35805	119.04	Telecommunications
Aurora Pictures, Inc.	35806	990.00	Safety, Security, Health Equipment, Supplies, and Services
Austin Building and Design dba The Austin Company	35621	13,621.94	Professional Services/Engineering Design Services
Awards & Trophies Company	35622	22.84	Awards and Framing Services
AWSI	35807	288.00	Professional Services - DOT Program Administration
AWWA	35808	198.00	Professional Organizations Meeting/Training/Membership
Barry C. Self	35881	2,524.50	Reconciliation User Fee Refund Program
Basic Chemical Solutions, L.L.C.	318	10,692.85	Chemicals, Water/Wastewater Treatment
Battery Specialties	35478	176.44	Batteries, Various
Battery Specialties	35623	76.02	Batteries, Various
Battery Specialties	35809	148.38	Batteries, Various
Battery Systems, Inc.	35810	104.31	Repair & Maintenance Services and/or Supplies
BC Wire Rope & Rigging	35479	7,278.20	Tools & Supplies
BC Wire Rope & Rigging	35811	1,104.14	Tools & Supplies
BEC-Building Electronic Controls, Inc	35624	2,700.00	Safety, Security, Health Equipment, Supplies, and Services
Bench Depot	35812	3,966.55	Miscellaneous Furniture

Claims Paid From 12/01/10 to 12/15/10

Vendor	Warrant No.	Amount	Description
BioMerieux Vitek, Inc.	35480	141.63	Laboratory Services & Supplies
BioMerieux Vitek, Inc.	35625	4,402.42	Laboratory Services & Supplies
Black & Veatch Corporation	35460	40,997.29	Professional Services/Engineering Design Services
Black & Veatch Corporation	35593	119,887.72	Professional Services/Engineering Design Services
BP Energy Company	35814	16,612.10	Natural Gas
Brown & Caldwell	35461	76,614.73	Professional Services/Engineering Design Services
Brown & Caldwell	35594	100,608.51	Professional Services/Engineering Design Services
Bush & Associates, Inc.	35815	13,402.00	Professional Services/Surveying Services
C Temp, Inc.	35626	3,433.03	Electrical/Electronic Equipment, Parts & Repairs
C.P.I. International	35494	137.06	Laboratory Services & Supplies
Calchamber/Calbizcentral	35816	233.72	Books & Publications
California Barricade Rentals	35627	1,508.16	Miscellaneous Services
California Dept. of Child Support	35481	1,919.51	Judgments Payable
California Dept. of Child Support	35817	1,919.51	Judgments Payable
California Emergency Services Association	35482	55.00	Professional Organizations Meeting/Training/Membership
California Recreation Company	35483	2,982.68	Boat Slip Rental - Nerissa Ocean Monitoring Vessel
California Special District Association	35642	846.00	Professional Organizations Meeting/Training/Membership
Carollo Engineers	35628	12,168.13	Professional Services/Engineering Design Services
CASA	35787	25,000.00	Professional Organizations Meeting/Training/Membership Dues
CDW Government, Inc.	35818	12,144.98	Computers, Software/Hardware
Cesario Sigua	35778	156.86	Meeting/Training Expense Reimbursement
Chem Search	35629	370.86	Repair & Maintenance Services and/or Supplies
Christine Blayney	35813	2,800.69	Reconciliation User Fee Refund Program
Circle, Inc.	35484	1,785.33	Copier Toner/Ink Supplies
City of Fullerton	35508	47.58	Water Use
City of Garden Grove	35819	281.44	Water Use
City of Huntington Beach	35519	11,659.87	Water Use
City of Huntington Beach	35669	28.51	Water Use
City of Huntington Beach	35838	64.80	Water Use
City of Westminster	35630	742.47	Water Use
Clean Harbors Environmental Services	35485	6,623.09	Grit & Screenings; Hazard Waste Disposal
Clean Harbors Environmental Services	35631	4,226.22	Grit & Screenings; Hazard Waste Disposal
Co Van Phung & Law Office of Mary R. Dang	35632	500.00	Claim Settlement
Coast Transmission	35486	1,913.14	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Coastal Traffic Systems, Inc.	35487	1,627.50	Safety, Security, Health Equipment, Supplies, and Services
Cole-Parmer Instrument Co.	35488	189.71	Laboratory Services & Supplies
Communications Supply Corp.	35633	27.20	Computer Hardware & Software
Compressor Components of California	35462	26,869.95	Repair & Maintenance Services and/or Supplies
Compressor Components of California	35634	14,884.61	Repair & Maintenance Services and/or Supplies
Connell Chevrolet\GEO	35635	1,001.75	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Consumers Pipe & Supply Co.	35489	577.02	Repair & Maintenance Services and/or Supplies
Consumers Pipe & Supply Co.	35636	683.46	Repair & Maintenance Services and/or Supplies
Corporate Image Maintenance, Inc.	35595	35,995.00	Janitor & Household Service & Supplies
CORRPRO Companies, Inc.	35820	24,952.00	Professional Services/Temporary Services
Cotton Point Design, Inc. dba Power Design	35637	1,078.24	Electrical/Electronic Equipment, Parts & Repairs
County of Orange Auditor Controller	35490	8,715.00	Governmental Agency Fees & Charges
County of Orange Auditor Controller	35491	735.00	Governmental Agency Fees & Charges
County of Orange Auditor Controller	35492	525.00	Governmental Agency Fees & Charges

Claims Paid From 12/01/10 to 12/15/10

Vendor	Warrant No.	Amount	Description
County of Orange Auditor Controller	35493	1,065.00	Governmental Agency Fees & Charges
County of Orange Auditor Controller	35638	990.00	Governmental Agency Fees & Charges
County of Orange Auditor Controller	35639	465.00	Governmental Agency Fees & Charges
County of Orange Auditor Controller	35640	645.00	Governmental Agency Fees & Charges
County of Orange Auditor Controller	35821	945.00	Governmental Agency Fees & Charges
Court Order	35525	2,179.38	Judgments Payable
Court Order	35528	150.00	Judgments Payable
Court Order	35534	225.00	Judgments Payable
Court Order	35552	108.00	Judgments Payable
Court Order	35586	912.50	Judgments Payable
Court Order	35844	2,179.38	Judgments Payable
Court Order	35849	150.00	Judgments Payable
Court Order	35854	225.00	Judgments Payable
Court Order	35875	108.00	Judgments Payable
Court Order	35917	912.50	Judgments Payable
CR&R, Inc.	35822	315.00	Waste Disposal
CS-AMSCO	35641	9,295.44	Repair & Maintenance Services and/or Supplies
CSC Parts Sales/Johnson Controls	35674	4,081.41	Repair & Maintenance Services and/or Supplies
CWEA Membership	35495	132.00	Professional Organizations Meeting/Training/Membership
Cxtec	35643	1,148.32	Computers, Software/Hardware
Dale O. Henderson	35589	797.40	Meeting/Training Expense Reimbursement
Dapper Tire Co.	35823	411.56	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
David Wheeler Pest Control, Inc.	35644	4,890.00	Pest Control Services
David's Tree Service	35645	3,050.00	Groundskeeping
Desert Pumps & Parts, Inc.	35646	9.18	Repair & Maintenance Services and/or Supplies
Desert Pumps & Parts, Inc.	35824	3,949.54	Repair & Maintenance Services and/or Supplies
DLT&V Systems Engineering, Inc.	35496	2,996.62	Computer Applications & Services
Dudek & Associates, Inc.	35497	5,059.47	Professional Services/Engineering Design Services
Duhig & Company, Inc.	35825	118.36	Repair & Maintenance Services and/or Supplies
Dun & Bradstreet, Inc.	35826	14,437.24	Professional Services/Other
Dunn-Edwards Corporation	35647	213.60	Facilities, Maintenance, Services & Supplies
Dunn-Edwards Corporation	35827	15.66	Facilities, Maintenance, Services & Supplies
Elect Air	35828	9,101.15	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Electrabond	35648	4,322.81	Repair & Maintenance Services and/or Supplies
Ellis Fall Safety Solutions, L.L.C.	35498	995.00	Professional Services/Engineering Design Services
Employee Benefits Specialists, Inc.	35499	12,985.87	Reimbursed Prepaid Employee Medical & Dependent Care
Employee Benefits Specialists, Inc.	35829	12,985.87	Reimbursed Prepaid Employee Medical & Dependent Care
Enchanter, Inc.	35649	3,040.00	Vessel Services - Monitoring Vessel Nerissa
Enertech Environmental	35788	554,745.48	Biosolids Management
ENS Resources, Inc.	35500	7,500.00	Professional Services - Federal Advocacy
Environmental Express, Inc.	35830	905.69	Laboratory Services & Supplies
Ewing Irrigation	35650	51.28	Irrigation Repair & Maintenance Services and/or Supplies
Express Lens Lab	35501	3,866.26	Safety, Security, Health Equipment, Supplies, and Services
Fedex Corporation	35651	81.72	Freight Services
Fedex Corporation	35831	36.98	Freight Services
Ferguson Enterprises, Inc.	35652	1,465.95	Repair & Maintenance Services and/or Supplies
Fisher Scientific	35502	250.34	Laboratory Services & Supplies
Fisher Scientific	35653	2,741.26	Laboratory Services & Supplies

Claims Paid From 12/01/10 to 12/15/10

Vendor	Warrant No.	Amount	Description
Fishing Boats Unlimited	35654	7,200.00	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Fleetmatics USA, Inc.	35503	152.08	Professional Services - Human Resources
Fleming Environmental, Inc.	35655	2,322.70	Repair & Maintenance Services and/or Supplies
Flo Systems, Inc.	35656	500.82	Repair & Maintenance Services and/or Supplies
FLW, Inc.	35504	495.62	Electrical/Electronic Equipment, Parts & Repairs
FLW, Inc.	35657	1,088.07	Electrical/Electronic Equipment, Parts & Repairs
Fountain Valley AAA Auto Spa	35505	250.72	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Fountain Valley Paints, Inc.	35658	119.52	Facilities, Maintenance, Services & Supplies
Frank Chavez	35769	190.00	Meeting/Training Expense Reimbursement
Franklin Covey	35659	425.92	Office Supplies
Franklin Covey	35832	34.76	Office Supplies
Frost Company	35506	7,455.00	Insurance
Fuller Truck Accessories	35507	1,072.72	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Garratt Callahan Company	35660	182.03	Chemicals, Water/Wastewater Treatment
Gates Fiberglass Installers	35509	1,180.63	Repair & Maintenance Services and/or Supplies
GE General Electric Supply Co. Brea	35510	800.00	Electrical/Electronic Equipment, Parts & Repairs
George L. Robertson	35777	200.00	Meeting/Training Expense Reimbursement
George Yardley Co.	35662	966.74	Repair & Maintenance Services and/or Supplies
Geo-Solutions, Inc.	35604	286,020.00	Construction
Gitch, Jeffrey D.	35920	1,218.24	Meeting/Training Expense Reimbursement
Glens Alignment & Brake Service	35511	110.00	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Golden State Overnight Delivery Service	35512	189.68	Courier Services
Golden West Window Service	35513	3,370.00	Facilities, Maintenance, Services & Supplies
Golden West Window Service	35663	12,685.00	Facilities, Maintenance, Services & Supplies
Government Finance Officers Association	35833	405.00	Professional Organizations Meeting/Training/Membership
Grainger, Inc.	35514	12.94	Repair & Maintenance Services and/or Supplies
Grainger, Inc.	35664	1,359.48	Repair & Maintenance Services and/or Supplies
Grainger, Inc.	35834	39.15	Repair & Maintenance Services and/or Supplies
Graybar Electric Company	35515	167.28	Electrical/Electronic Equipment, Parts & Repairs
Graybar Electric Company	35665	292.28	Electrical/Electronic Equipment, Parts & Repairs
Great Western Sanitary Supplies	35835	127.89	Janitor & Household Service & Supplies
GT Hall Company	35661	305.05	Mechanical Parts & Supplies
Haaker Equipment Company	310	5,902.80	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Harrington Industrial Plastics, Inc.	35666	498.04	Repair & Maintenance Services and/or Supplies
Harrington Industrial Plastics, Inc.	35836	1,718.20	Repair & Maintenance Services and/or Supplies
Hasco Oil Co., Inc.	35667	443.96	Fuel and Lubricants
Helix Electric, Inc.	35605	45,479.50	Construction
Hewlett Packard Company	35516	1,914.06	Computers, Software/Hardware
Hill Brothers	314	167,675.28	Chemicals, Water/Wastewater Treatment
Hill Brothers	321	13,290.87	Chemicals, Water/Wastewater Treatment
Hilti, Inc.	35668	2,797.22	Repair & Maintenance Services and/or Supplies
Home Depot	35517	722.62	Miscellaneous Parts and Supplies
Home Depot	35837	953.75	Miscellaneous Parts and Supplies
Hub Auto Supply	35518	1,499.13	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
IDEXX Distribution, Inc.	35670	43.50	Laboratory Services & Supplies
Indiana Child Support Bureau	35520	290.00	Judgments Payable
Indiana Child Support Bureau	35839	290.00	Judgments Payable
Industrial Threaded Products, Inc.	35840	44.70	Repair & Maintenance Services and/or Supplies

Claims Paid From 12/01/10 to 12/15/10

Vendor	Warrant No.	Amount	Description
Inland Litho	35671	1,147.00	Printing and Delivery Services
International Institute of Municipal Clerks	35841	310.00	Professional Organizations Meeting/Training/Membership
International Public Mgmt. Assoc.	35842	145.00	Professional Organizations Meeting/Training/Membership
Interstate Batteries of Cal Coast	35672	3,300.02	Repair & Maintenance Services and/or Supplies
Intl. Union of Oper. Eng. AFL CIO Local 501	35521	4,766.87	Dues Deductions
Intl. Union of Oper. Eng. AFL CIO Local 501	35843	4,834.10	Dues Deductions
Voided Check	35789	-	-
J F Shea Construction, Inc.	35606	777,327.81	Construction
J R Filanc Construction	35796	822,683.30	Construction
James Spears, Jr.	35779	190.00	Meeting/Training Expense Reimbursement
Jamison Engineering Contractors, Inc.	35467	140,606.18	Professional Services/Construction Support
Jamison Engineering Contractors, Inc.	35522	24,478.62	Professional Services/Engineering Design Services
Jamison Engineering Contractors, Inc.	35790	86,455.98	Professional Services/Engineering Design Services
Jamison Engineering Contractors, Inc.	35797	229,609.50	Professional Services/Engineering Design Services
Jays Catering	35523	920.79	Catering Services
JCI Jones Chemicals, Inc.	308	60,680.46	Chemicals, Water/Wastewater Treatment
JCI Jones Chemicals, Inc.	315	62,305.08	Chemicals, Water/Wastewater Treatment
JCI Jones Chemicals, Inc.	319	79,825.87	Chemicals, Water/Wastewater Treatment
John G. Gonzalez	35770	322.70	Meeting/Training Expense Reimbursement
John L. Hunter & Associates, Inc.	35673	1,900.00	Professional Services/FOG Inspections
Johnstone Supply	35524	607.49	Electrical/Electronic Equipment, Parts & Repairs
Jorge Menocal	35774	268.11	Meeting/Training Expense Reimbursement
Kaiser Foundation Health Plan	35596	114,074.72	Employee Benefits
Kanawha Insurance Company	35675	3,875.12	Voluntary Benefits - SSTD Insurance
Kelly Paper	35845	9,976.73	Office Supplies
Kemira Water Solutions	309	76,851.06	Chemicals, Water/Wastewater Treatment
Kemira Water Solutions	316	141,490.36	Chemicals, Water/Wastewater Treatment
Kemira Water Solutions	320	27,869.27	Chemicals, Water/Wastewater Treatment
L. Johnson Painting	35846	4,755.00	Facilities, Maintenance, Services & Supplies
Lab Support	35847	2,088.00	Temporary Employment Services
Larry S. Andresen	35767	95.00	Meeting/Training Expense Reimbursement
Lexis-Nexis	35676	500.00	On-Line Books & Publications
Liberty Mutual Claims	35526	16,155.20	Insurance
Liebert Cassidy	35527	323.00	Professional Services/Employee Relations
Liebert Cassidy	35848	108.25	Books & Publications
Lustre-Cal	35677	724.32	Office Supplies
Machado Environmental Corp. DBA Air Duct Cleaning	35529	4,837.00	Electrical/Electronic Equipment, Parts & Repairs
Machado Environmental Corp. DBA Air Duct Cleaning	35678	8,029.00	Repair & Maintenance Services and/or Supplies
Mainline Information Systems	35597	117,919.87	Computer Applications & Services
Malcolm Pirnie, Inc.	35679	16,422.56	Professional Services/Engineering Design Services
Malcolm Pirnie, Inc.	35791	254,965.13	Professional Services/Engineering Design Services
Mandic Motors	35680	130.00	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Marinus Scientific	35850	100.05	Laboratory Services & Supplies
Mark S. Roberts	35776	190.00	Meeting/Training Expense Reimbursement
Marvac Electronics	35681	25.24	Electrical/Electronic Equipment, Parts & Repairs
Material Damage Appraisal of Long Beach	35682	146.00	Vehicle Damage Appraisal
Matt Chlor, Inc.	35530	1,667.53	Repair & Maintenance Services and/or Supplies
McMaster-Carr Supply Co.	35531	1,137.86	Laboratory Services & Supplies

Claims Paid From 12/01/10 to 12/15/10

Vendor	Warrant No.	Amount	Description
McMaster-Carr Supply Co.	35683	1,836.98	Repair & Maintenance Services and/or Supplies
McMaster-Carr Supply Co.	35851	2,373.17	Repair & Maintenance Services and/or Supplies
Media Resurfacing Systems, Inc.	35532	3,300.00	Repair & Maintenance Services and/or Supplies
Medlin Controls Co.	35684	1,058.01	Electrical/Electronic Equipment, Parts & Repairs
Medlin Controls Co.	35852	528.22	Electrical/Electronic Equipment, Parts & Repairs
Michael I. Gold	35588	139.00	Meeting/Training Expense Reimbursement
Michael Vuong	35782	190.00	Meeting/Training Expense Reimbursement
Mine Safety Appliance	35533	2,078.67	Electrical/Electronic Equipment, Parts & Repairs
Mine Safety Appliance	35853	7,298.25	Electrical/Electronic Equipment, Parts & Repairs
Mission Abrasive & Janitorial Supplies	35685	149.22	Janitorial & Household Services & Supplies
Mladen Buntich Construction Company	35918	7,875.00	Construction
MWH Americas, Inc.	35598	174,567.08	Professional Services/Engineering Design Services
National Bond & Trust	35535	1,778.98	U.S. Savings Bonds Payroll Deductions
National Fire Protection Association	35855	21.63	Professional Organizations Meeting/Training/Membership
Neal Supply Co.	35536	242.51	Repair & Maintenance Services and/or Supplies
Neal Supply Co.	35686	1,057.16	Repair & Maintenance Services and/or Supplies
Neutron Products, Inc.	35537	2,985.84	Chemicals, Water/Wastewater Treatment
Neutron Products, Inc.	35687	6,021.27	Chemicals, Water/Wastewater Treatment
New Tech Solutions, Inc.	35688	14,183.55	Computer Applications & Services
Norman A. Olsson Construction, Inc.	35468	74,122.00	Construction
Northeast Laboratory Services, Inc.	35856	1,748.60	Laboratory Services & Supplies
NPELRA Annual Training Conference	35689	175.00	Professional Organizations Meeting/Training/Membership
NRG Engine Services, L.L.C.	35690	13,920.00	Repair & Maintenance Services and/or Supplies
NRG Engine Services, L.L.C.	35857	8,072.63	Repair & Maintenance Services and/or Supplies
OCB Reprographics	35538	8,515.97	Printing/Reprographics Services
OCEA	35539	663.00	Dues Deductible
OCEA	35858	663.00	Dues Deductible
Ocean Test Equipment, Inc.	35859	1,648.45	Laboratory Services & Supplies
O'Connell Engineering & Construction, Inc.	35783	4,260.00	Repair & Maintenance Services and/or Supplies
Office Depot	35540	1,844.99	Office Supplies
Office Depot	35691	1,823.69	Office Supplies
Office Depot	35860	4,566.12	Office Supplies
Olin Corporation	35541	3,992.34	Chemicals, Water/Wastewater Treatment
Olin Corporation	35861	7,574.18	Chemicals, Water/Wastewater Treatment
OneSource Distributors, Inc.	35692	1,100.73	Electrical/Electronic Equipment, Parts & Repairs
OneSource Distributors, Inc.	35862	2,785.00	Electrical/Electronic Equipment, Parts & Repairs
Oracle Corporation	35542	3,267.12	Computer Applications & Services
Orange County Sanitation District	35591	1,312.12	Petty Cash Expense
Orange County Sheriff	35543	728.71	Judgments Payable
Orange County Sheriff	35863	700.28	Judgments Payable
Orange County United Way	35544	40.00	Employee Contributions
Orange County United Way	35864	40.00	Employee Contributions
Orange County Vector Control District	35545	175.94	Pest Control
Orange County Vector Control District	35865	145.38	Pest Control
Orange County Water District	35792	66,935.69	GAP Water
Ovivo USA, L.L.C.	35693	2,819.20	Repair & Maintenance Services and/or Supplies
Oxygen Service Company	35546	75.04	Laboratory Services & Supplies
Oxygen Service Company	35694	448.07	Laboratory Services & Supplies

Claims Paid From 12/01/10 to 12/15/10

Vendor	Warrant No.	Amount	Description
Oxygen Service Company	35866	1,510.19	Laboratory Services & Supplies
Pacific Mechanical Supply	35547	1,333.71	Repair & Maintenance Services and/or Supplies
Pacific Mechanical Supply	35695	3,188.71	Repair & Maintenance Services and/or Supplies
Pacific Mechanical Supply	35867	29.78	Repair & Maintenance Services and/or Supplies
Parker Supply Company	35696	174.09	Miscellaneous Parts and Supplies
Parkhouse Tire, Inc.	35697	811.62	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
PBS & J	35698	10,328.64	Professional Services/Engineering Design Services
Peace Officers Council of CA	35548	2,323.00	Dues Deductions, Supervisors & Professionals
Peace Officers Council of CA	35868	2,323.00	Dues Deductions, Supervisors & Professionals
Peak Technologies	35869	215.78	Laboratory Services & Supplies
Pepperdine University	35870	2,700.00	Professional Organizations Meeting/Training/Membership
Performance Pipeline Technologies	35463	27,616.74	Professional Services/CCTV Inspection/Sewerline Cleaning
Performance Pipeline Technologies	35699	12,845.00	Professional Services/CCTV Inspection/Sewerline Cleaning
Pico Rivera Pallet, Inc.	35549	2,425.12	Miscellaneous Parts and Supplies
PL Hawn Company, Inc.	35550	78.04	Repair & Maintenance Services and/or Supplies
PL Hawn Company, Inc.	35871	334.21	Repair & Maintenance Services and/or Supplies
Polydyne, Inc.	311	24,313.87	Chemicals, Water/Wastewater Treatment
Polydyne, Inc.	317	31,488.12	Chemicals, Water/Wastewater Treatment
Praxair Distribution, Inc.	35700	116.53	Laboratory Services & Supplies
Precon Products	35701	728.63	Repair & Maintenance Services and/or Supplies
Preferred Benefit Insurance Administrators, Inc.	35599	76,601.72	Employee Benefits
Preferred Real Estate and Inv., Inc.	35702	1,057.00	Promotional Mailers/Preferred Real Estate Locations
Primary Source Office Furnishings, Inc.	35703	578.55	Minor Equipment/Furniture & Fixtures
Primrose Ice Co., Inc.	35704	100.00	Water & Ice Services
Procare Work Injury Center	35705	565.00	Medical Services
Procare Work Injury Center	35872	928.00	Medical Services
Progressive Business Publications	35873	299.00	Books and Publications
Project Management Institute	35706	154.00	Professional Organizations Meeting/Training/Membership
Propipe Professional Pipe Services	312	10,480.95	Professional Services/CCTV Sewerline Inspections
Prudential Overall Supply	35551	1,524.78	Uniforms
Prudential Overall Supply	35707	3,356.70	Uniforms
Prudential Overall Supply	35874	4,812.13	Uniforms
Prudential Overall Supply	35921	1,748.23	Uniforms
R. Y. Engineering Works, Inc.	35464	40,700.00	Repair & Maintenance Services and/or Supplies
Rainbow Disposal Co.	35876	3,384.30	Waste Disposal
RBF Consulting	35708	4,118.33	Professional Services/Engineering Design Services
Reliastar	35709	4,824.98	Voluntary Employee Life & Cancer Insurance
Rentacrate, L.L.C.	35710	248.94	Facilities, Maintenance, Services & Supplies
Restek Corp.	35553	1,680.75	Laboratory Services & Supplies
Restek Corp.	35711	479.32	Laboratory Services & Supplies
Richard Tuleja	35712	2,009.32	Claim Settlement
RMS Engineering & Design, Inc.	35713	7,402.50	Professional Services/Engineering Design Services
Robert C. Thompson	35781	186.00	Meeting/Training Expense Reimbursement
Robert Half International, Inc.	35554	5,460.40	Computer Applications & Services
Robert Half International, Inc.	35877	930.75	Computer Applications & Services
Roberto's Auto Trim Shop	35714	585.50	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Rockwell Engineering & Equipment Co.	35715	7,736.69	Repair & Maintenance Services and/or Supplies
Roger A. Kenerson	35773	170.00	Meeting/Training Expense Reimbursement

Claims Paid From 12/01/10 to 12/15/10

Vendor	Warrant No.	Amount	Description
Roto Rooter NOC#11	35555	470.19	Repair & Maintenance Services and/or Supplies
Royale Cleaners	35556	71.00	Miscellaneous Services
Royale Cleaners	35716	106.50	Miscellaneous Services
RPM Electric Motors	35717	7,271.25	Repair & Maintenance Services and/or Supplies
RPM Electric Motors	35878	3,207.91	Repair & Maintenance Services and/or Supplies
RSA Soil Products	35718	2,270.63	Miscellaneous Parts and Supplies
Russell Sigler, Inc. dba Sigler Wholesale	35879	6,714.23	Electrical/Electronic Equipment, Parts & Repairs
Ryan Herco Products Corp.	35880	555.94	Repair & Maintenance Services and/or Supplies
Safetycare, Inc.	35557	271.87	Safety, Security, Health Equipment, Supplies, and Services
Sancon Engineering, Inc.	35558	12,200.00	Repair & Maintenance Services and/or Supplies
SARBS	35592	50.00	Professional Organizations Meeting/Training/Membership
SARBS	35719	50.00	Professional Organizations Meeting/Training/Membership
SARBS-CWEA	35559	250.00	Professional Organizations Meeting/Training/Membership - California Water Environment Assoc.
Schwing Bioset	313	90.42	Repair & Maintenance Services and/or Supplies
Schwing Bioset	322	1,802.41	Repair & Maintenance Services and/or Supplies
Scientific Instrument Services, Inc.	35720	307.28	Laboratory Services & Supplies
SCPLRC (Southern California Public Rels. Council)	35721	200.00	Professional Organizations Meeting/Training/Membership
Selwyn D. Mansell	35919	190.00	Meeting/Training Expense Reimbursement
SETAC	35883	140.00	Professional Organizations Meeting/Training/Membership
Shamrock Supply Co., Inc.	35561	470.53	Repair & Maintenance Services and/or Supplies
Shamrock Supply Co., Inc.	35722	2,396.24	Repair & Maintenance Services and/or Supplies
Shamrock Supply Co., Inc.	35884	680.86	Repair & Maintenance Services and/or Supplies
Shureluck Sales & Engineering	35562	273.89	Repair & Maintenance Services and/or Supplies
Shureluck Sales & Engineering	35723	348.49	Repair & Maintenance Services and/or Supplies
Siemens Technology	35724	18,300.00	Professional Organizations Meeting/Training/Membership
Siemens Water Technologies Corp.	35563	65.54	Repair & Maintenance Services and/or Supplies
Siemens Water Technologies Corp.	35885	1,297.22	Repair & Maintenance Services and/or Supplies
Sigma-Aldrich, Inc.	35886	114.10	Laboratory Services & Supplies
SKC West, Inc.	35725	2,448.13	Laboratory Services & Supplies
Smith Paint and Supply	35726	306.75	Painting Services and Supplies
So. Cal Gas Company	35887	11,338.51	Utilities
South Coast Environmental Co.	35882	756.23	Professional Services - Air Quality Monitoring
Southern California Edison	35465	77,569.92	Utilities
Southern California Edison	35888	1,380.63	Utilities
Southern Counties Lubricants	35889	711.54	Fuel and Lubricants
Southland Envelope Company, Inc.	35564	968.67	Office Supplies
Sparklett-Dallas	35890	466.42	Miscellaneous Services
Sparkletts	35565	1,469.98	Miscellaneous Supplies
SPEX Certiprep, Inc.	35727	450.86	Laboratory Services & Supplies
Square D Co. dba Schneider Electric	35560	18,450.00	Professional Organizations Meeting/Training/Membership
Stanley Steamer International, Inc.	35566	1,120.00	Janitor & Household Service & Supplies
Stanley Steamer International, Inc.	35891	2,620.00	Janitor & Household Service & Supplies
Stantec Consulting Services, Inc.	35567	7,225.00	Professional Services/Surveying
Stantec Consulting Services, Inc.	35892	727.10	Professional Services/Surveying
Staples	35728	403.06	Office Supplies
Staples	35893	2,216.29	Office Supplies
State Bar of California	35894	400.00	Professional Organizations Meeting/Training/Membership
State of California	35793	25,727.76	Governmental Agency Fees & Charges

Claims Paid From 12/01/10 to 12/15/10

Vendor	Warrant No.	Amount	Description
Stratus Environmental, Inc.	35568	3,375.00	Professional Services/Groundwater Removal
Summit Steel	35569	4,515.46	Repair & Maintenance Services and/or Supplies
Summit Steel	35729	606.83	Repair & Maintenance Services and/or Supplies
Summit Steel	35895	87.42	Repair & Maintenance Services and/or Supplies
Sunset Industrial Parts	35730	545.54	Repair & Maintenance Services and/or Supplies
Sunset Industrial Parts	35896	662.50	Repair & Maintenance Services and/or Supplies
Super Chem Corporation	35731	1,044.00	Chemicals, Water/Wastewater Treatment
Suzanne's Catering	35784	5,319.09	Miscellaneous Expenses
SWRCB Accounting Office	35600	320,529.00	Governmental Agency Fees & Charges
Synagro West, Inc.	35601	515,136.60	Biosolids Management
Synagro West, Inc.	35897	5,131.53	Biosolids Management
Tata America Int'L Corp DbA Tcs America	35570	6,400.00	Computer Applications and Services
TCH Associates, Inc.	35732	884.70	Laboratory Services & Supplies
TekSystems	35899	13,791.28	Professional Services/Temporary Services
Tektronix Service Solutions	35733	121.29	Laboratory Services & Supplies
Tenant Healthcare Corporation	35898	6,221.00	Reconciliation User Fee Refund Program
TestAmerica Ontario	35571	466.00	Laboratory Services & Supplies
TestAmerica Ontario	35734	1,436.00	Laboratory Services & Supplies
TestAmerica Ontario	35900	108.00	Laboratory Services & Supplies
The Cragar Odet Company	35735	742.50	Professional Organizations Meeting/Training/Membership
The Public Retirement Journal	35572	190.00	Professional Organizations Meeting/Training/Membership
The Standard Insurance Company	35736	2,571.27	Disability Insurance
The Training Clinic	35574	3,928.00	Professional Organizations Meeting/Training/Membership
The Wackenhut Corporation	35582	6,252.00	Safety, Security, Health Equipment, Supplies, and Services
The Wackenhut Corporation	35756	6,560.00	Safety, Security, Health Equipment, Supplies, and Services
The Wackenhut Corporation	35909	6,424.84	Safety, Security, Health Equipment, Supplies, and Services
The Walking Man, Inc.	35737	400.00	Miscellaneous Services
Thermo Electron Corp.	35738	156.38	Laboratory Services & Supplies
Thermo Electron North America, L.L.C.	35739	1,900.00	Laboratory Services & Supplies
Thompson Industrial Supply, Inc.	35573	1,551.78	Repair & Maintenance Services and/or Supplies
Thompson Industrial Supply, Inc.	35740	570.96	Repair & Maintenance Services and/or Supplies
Tim H. Hopkins	35772	141.72	Meeting/Training Expense Reimbursement
Time Warner Communications	35741	58.72	Telecommunications
T-Mobile	35742	109.39	Telecommunications
Townsend Public Affairs	35901	7,500.00	Professional Services - State Legislative Advocacy
TPC Training Systems	35902	827.45	Training Supplies & Other
Transcat	35743	181.67	Electrical/Electronic Equipment, Parts & Repairs
Tremco Incorporated	35575	2,450.00	Repair & Maintenance Services and/or Supplies
Trenchless Technology Center	35576	180.00	Professional Organizations Meeting/Training/Membership
Tropical Plaza Nursery, Inc.	35744	12,497.50	Landscape Maintenance Services
Truck & Auto Supply, Inc.	35745	2,521.73	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Tuff Skin	35577	400.00	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Tule Ranch/Magan Farms	35602	108,587.70	Biosolids Management
Union Bank of California Escrow	35608	40,911.99	Construction, Retention
United Parcel Service	35578	38.40	Freight Services
United Parcel Service	35746	49.48	Freight Services
United Parcel Service	35903	45.33	Freight Services
United Power Service, Inc.	35747	79.00	Electrical/Electronic Equipment, Parts & Repairs

Claims Paid From 12/01/10 to 12/15/10

Vendor	Warrant No.	Amount	Description
Universal Flooring Systems, Inc.	35748	1,412.00	Facilities, Maintenance, Services & Supplies
Universal Flooring Systems, Inc.	35904	6,711.91	Facilities, Maintenance, Services & Supplies
US Equipment Co., Inc.	35749	243.41	Repair & Maintenance Services and/or Supplies
US Peroxide, L.L.C.	35603	33,252.88	Chemicals, Water/Wastewater Treatment
US Peroxide, L.L.C.	35794	311,636.58	Chemicals, Water/Wastewater Treatment
USA Mobility Wireless, Inc.	35905	633.23	Telecommunications
USA Supply, Inc.	35750	357.57	Repair & Maintenance Services and/or Supplies
Valin Corporation	35751	411.78	Repair & Maintenance Services and/or Supplies
Valin Corporation	35906	445.49	Repair & Maintenance Services and/or Supplies
Verizon California	35579	631.58	Telecommunications
Verizon Wireless	35580	520.24	Telecommunications
Verne's Plumbing	35752	6,091.20	Plumbing Services & Supplies
Village Nurseries	35907	17.38	Repair & Maintenance Services and/or Supplies
Vision Financial Corporation	35753	1,097.52	Employee Voluntary Benefits
Voided Check	35607	-	-
Vortex Corp.	35754	2,256.69	Repair & Maintenance Services and/or Supplies
VWR Scientific Products	35581	4,004.65	Laboratory Services & Supplies
VWR Scientific Products	35755	672.95	Laboratory Services & Supplies
VWR Scientific Products	35908	3,535.12	Laboratory Services & Supplies
Waco Associates	35757	2,379.16	Repair & Maintenance Services and/or Supplies
Wand, Inc.	35910	2,850.00	Computer Applications & Services
Warren L. Sternin	35780	183.87	Meeting/Training Expense Reimbursement
Warren S. Hawkins	35771	190.00	Meeting/Training Expense Reimbursement
Water 3 Engineering, Inc.	35760	468.12	Professional Services/Engineering Design Services
Water Education Foundation	35758	175.00	Professional Organizations Meeting/Training/Membership
Water Environment Federation	35583	704.00	Professional Organizations Meeting/Training/Membership
Water Environment Federation	35759	661.00	Professional Organizations Meeting/Training/Membership
Water Environment Federation	35911	397.00	Professional Organizations Meeting/Training/Membership
WateReuse Association	35761	7,490.00	Professional Organizations Meeting/Training/Membership
Waxie Sanitary Supply	35762	671.79	Janitor & Household Service & Supplies
Weather and Wind Instrument Co.	35912	1,628.85	Miscellaneous Parts and Supplies
Wesley G. Bauer, II	35768	705.00	Meeting/Training Expense Reimbursement
West Coast Safety Supply Co.	35584	1,753.42	Safety, Security, Health Equipment, Supplies, and Services
West Coast Safety Supply Co.	35763	177.49	Repair & Maintenance Services and/or Supplies
Western Utilities Transformer Service	35913	5,089.35	Repair & Maintenance Services and/or Supplies
William F. Pierce	35775	190.00	Meeting/Training Expense Reimbursement
Woodruff Spradlin & Smart	35466	75,773.98	Professional Services - Legal
Workplace Resource	35914	1,923.37	Miscellaneous Furniture
WorldatWork	35915	1,125.00	Professional Organization & Meeting/Training Registration
Xerox Corporation	35585	19,379.98	Computers, Software/Hardware & Managed Services
Xerox Corporation	35916	98.15	Computers, Software/Hardware & Managed Services
Yale/Chase Materials Handling, Inc.	35764	982.95	Electrical/Electronic Equipment, & Electric Cart Parts & Repairs
Yale/Chase Materials Handling, Inc.	35795	28,267.86	Electrical/Electronic Equipment, & Electric Cart Parts & Repairs
Ziehl-Abegg, Inc.	35765	2,483.99	Electrical/Electronic Equipment, Parts & Repairs
1-800-Conference(R)	35766	211.58	Telecommunications
24 Hour Fire Protection, Inc.	35587	3,150.00	Repair & Maintenance Services and/or Supplies
Total Accounts Payable - Warrants		<u>\$ 7,753,055.85</u>	

Claims Paid From 12/01/10 to 12/15/10

<u>Vendor</u>	<u>Warrant No.</u>	<u>Amount</u>	<u>Description</u>
<u>Payroll Disbursements</u>			
Employee Paychecks	45587 - 45614	\$ 4,648.00	Interim Payroll - ARBA (12/01/10))
Employee Paychecks	45615 - 45676	98,898.60	Biweekly Payroll (12/01/10)
Employee Paychecks	45685 - 45919	704,740.65	Interim Payroll - Annual Leave Payout & Voided Check (12/08/10 & 12/09/10)*
Employee Paychecks	45920 - 45968	99,222.09	Biweekly Payroll (12/15/10)
Employee Paychecks	45969 - 45972	4,651.12	Interim Payroll - Leave Payout, Reissue Payout Check & IDEA Checks (12/14/10 & 12/15/10)
Direct Deposit Statements	196519 - 196639	31,115.46	Interim Payroll - ARBA (12/01/10)
Direct Deposit Statements	196640 - 197205	1,409,435.27	Biweekly Payroll (12/01/10)
Direct Deposit Statements	197206 - 197765	1,417,676.24	Biweekly Payroll (12/15/10)
Total Payroll Disbursements		\$ 3,770,387.43	*Warrants 45677-45684 were reported on 11/30/10 report.
<u>Wire Transfer Payments</u>			
OCSD Payroll Taxes & Contributions		\$ 2,181,500.64	Biweekly Payroll (12/01/10 & 12/15/10)
Intercare Insurance Services		56,111.57	Workers' Compensation Services (12/06/10)
Kiewit Infrastructure West Co.		299,250.00	Construction 3-58 (12/06/10)
Kiewit/Mass, A Joint Venture		592,789.50	Construction 5-49 (12/06/10)
Kiewit/Mass, A Joint Venture		401,805.00	Construction 5-50 (12/06/10)
Kiewit Infrastructure West Co.		1,388,112.00	Construction P1-102 (12/09/10)
Total Wire Transfer Payments		\$ 4,919,568.71	
Total Claims Paid 12/01/10 - 12/15/10		\$ 16,443,011.99	

Claims Paid From 12/16/10 to 12/31/10

Vendor	Warrant No.	Amount	Description
<u>Accounts Payable Warrants</u>			
A W Chesterton	35938	\$ 893.50	Repair & Maintenance Services and/or Supplies
A W Chesterton	36096	2,405.09	Repair & Maintenance Services and/or Supplies
ABBA Parts	35939	3,219.00	Repair & Maintenance Services and/or Supplies
Absolute Standards, Inc.	35940	30.00	Laboratory Services & Supplies
Absolute Standards, Inc.	36098	546.00	Laboratory Services & Supplies
AECOM Technical Services, Inc.	35941	19,337.33	Professional Services/Engineering Design Services
AECOM Technical Services, Inc.	36099	4,200.27	Professional Services/Engineering Design Services
Agilent Technologies, Inc.	35942	934.55	Laboratory Services & Supplies
Agilent Technologies, Inc.	36100	1,074.84	Laboratory Services & Supplies
Airgas Safety, Inc.	35943	11,280.05	Safety, Security, Health Equipment, Supplies, and Services
Airgas Safety, Inc.	36101	8,514.58	Safety, Security, Health Equipment, Supplies, and Services
Airgas West	35944	2,079.31	Repair & Maintenance Services and/or Supplies
Airgas West	36102	1,117.19	Repair & Maintenance Services and/or Supplies
AKM Consulting Engineers	36103	12,006.00	Professional Services/Dig Alert Associate Engineer
Alhambra Foundry Co., Ltd.	35945	8,906.63	Repair & Maintenance Services and/or Supplies
All American Asphalt	36104	6,240.00	Repair & Maintenance Services and/or Supplies
Allied Packing & Rubber, Inc.	35946	263.78	Repair & Maintenance Services and/or Supplies
American General Life Insurance Co.	36105	617.50	Life Insurance
Anaheim-Magnolia, L.L.C.	36097	9,683.58	Reconciliation User Fee Refund Program
Analysts, Inc.	35947	1,713.67	Repair & Maintenance Services and/or Supplies
Analytical Technology c/o MAG	35948	89.89	Electrical/Electronic Equipment, Parts & Repairs
Applied Industrial Technology	35949	28.71	Repair & Maintenance Services and/or Supplies
Archie Ivy, Inc.	35950	4,145.00	Repair & Maintenance Services and/or Supplies
ARS Enterprises, Inc.	35951	360.07	Laboratory Services & Supplies
Ashbrook Simon Hartley Operations, L.P.	35952	1,132.71	Repair & Maintenance Services and/or Supplies
AT & T	36095	212.54	Telecommunications
AT & T Long Distance.	36106	22.95	Telecommunications
AT & T Mobility II, L.L.C.	35953	99.99	Telecommunications
AT & T Mobility II, L.L.C.	36107	199.00	Telecommunications
AT & T Mobility II, L.L.C.	36108	8,640.60	Telecommunications
Atlas Underground, Inc.	35954	5,495.00	Repair & Maintenance Services and/or Supplies
Awards & Trophies Company	35955	76.30	Awards and Framing Services
Awards & Trophies Company	36109	68.52	Awards and Framing Services
AWWA	35956	231.00	Professional Organizations Meeting/Training/Membership
Basic Chemical Solutions, L.L.C.	328	4,265.76	Chemicals, Water/Wastewater Treatment
Battery Specialties	35957	705.53	Batteries, Various
Battery Specialties	36110	207.50	Batteries, Various
BC Wire Rope & Rigging	35958	3,218.89	Tools & Supplies
Beach Cities Scuba Mania	35959	420.00	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Bell Pipe & Supply Co.	35960	3,061.15	Repair & Maintenance Services and/or Supplies
Bell Pipe & Supply Co.	36111	547.56	Repair & Maintenance Services and/or Supplies
Bennett Bowen Lighthouse	36112	1,579.55	Electrical/Electronic Equipment, Parts & Repairs
Berendsen Fluid Power	36113	143.38	Electrical/Electronic Equipment, Parts & Repairs
Bootworld	36114	156.58	Safety, Security, Health Equipment, Supplies, and Services
Brown & Caldwell	36083	51,981.54	Professional Services/Engineering Design Services
Bush & Associates, Inc.	35961	2,916.00	Professional Services/Surveying Services
Bush & Associates, Inc.	36115	15,850.00	Professional Services/Surveying Services
C.S.M.F.O	35977	900.00	Professional Organizations Meeting/Training/Membership
California Barricade Rentals	36116	1,578.50	Miscellaneous Services

Claims Paid From 12/16/10 to 12/31/10

Vendor	Warrant No.	Amount	Description
California Dept. of Child Support	36117	1,499.51	Judgments Payable
California Relocation Services, Inc.	35962	157.50	Miscellaneous Services - Moving/Relocation
CALPELRA	35963	345.00	Professional Organizations, and Meeting/Training Registration
Cambridge Isotope Labs	35964	789.75	Laboratory Services & Supplies
Carl Warren & Co.	35965	1,435.90	Professional Services - Workers' Compensation
Carollo Engineers	35922	138,266.74	Professional Services/Engineering Design Services
CASA	36118	425.00	Professional Organizations Meeting/Training/Membership
CG Systems, Inc. dba CA Gate & Entry Sys.	35966	130.00	Facilities, Maintenance, Services & Supplies
CG Systems, Inc. dba CA Gate & Entry Sys.	36119	905.82	Facilities, Maintenance, Services & Supplies
Circle, Inc.	35967	1,734.55	Copier Toner/Ink Supplies
City of Anaheim	36120	3,758.88	Water Use
City of Huntington Beach	36150	11,350.47	Water Use
City of Newport Beach	36024	451.61	Water Use
Claudia J. Thair	36121	2,650.50	Professional Organizations Meeting/Training/Membership
Communications Supply Corp.	35968	11.97	Computer Hardware & Software
Compressor Components of California	35969	10,877.66	Repair & Maintenance Services and/or Supplies
Compsych Corporation	36122	2,779.92	Employee Benefits
Consolidated Electrical Distributors	35970	910.59	Electrical/Electronic Equipment, Parts & Repairs
Converse Consultants	35971	14,027.50	Professional Services/Professional Services/Materials & Geotechnical Testing
Converse Consultants	36123	2,187.00	Professional Services/Professional Services/Materials & Geotechnical Testing
CORRPRO Companies, Inc.	36084	45,146.00	Professional Services/Temporary Services
County of Orange Auditor Controller	35972	13,357.99	Repair & Maintenance Services and/or Supplies - Radios
County of Orange Auditor Controller	36124	360.00	Governmental Agency Fees & Charges
County of Orange Auditor Controller	36125	645.00	Governmental Agency Fees & Charges
County of Orange Auditor Controller	36126	645.00	Governmental Agency Fees & Charges
Court Order	36157	2,179.38	Judgments Payable
Court Order	36189	108.00	Judgments Payable
CR&R, Inc.	35973	1,260.00	Waste Disposal
Crane Veyor Corp.	35974	380.00	Repair & Maintenance Services and/or Supplies
CS-AMSCO	35975	21,199.97	Repair & Maintenance Services and/or Supplies
CSI Services, Inc.	35976	6,551.75	Professional Services
Culligan of Orange County	36127	57.35	Repair & Maintenance Services and/or Supplies
CWEA Membership	36128	132.00	Professional Organizations Meeting/Training/Membership
Cxtec	35978	430.84	Computers, Software/Hardware
David Wheeler Pest Control, Inc.	35979	1,722.00	Pest Control Services
David Wheeler Pest Control, Inc.	36129	420.00	Pest Control Services
David's Tree Service	35980	11,875.00	Groundskeeping
David's Tree Service	36130	4,600.00	Groundskeeping
DDB Engineering, Inc.	35923	25,000.00	Professional Services - Advocacy
Desert Pumps & Parts, Inc.	36131	46.39	Repair & Maintenance Services and/or Supplies
Detection Instruments Corporation	35981	1,630.73	Electrical/Electronic Equipment, Parts & Repairs
Detector Electronics Corporation	36132	156.15	Electrical/Electronic Equipment, Parts & Repairs
Dudek & Associates, Inc.	36133	852.17	Professional Services/Engineering Design Services
Eagle Protection of California	36134	275.00	Safety, Security, Health Equipment, Supplies, and Services
Eldon Primrose	36176	565.58	Reconciliation User Fee Refund Program
Emerson Process Management, L.L.P.	35982	2,827.50	Repair & Maintenance Services and/or Supplies
Employee Benefits Specialists, Inc.	36135	12,985.69	Reimbursed Prepaid Employee Medical & Dependent Care
Enchanter, Inc.	36136	2,280.00	Vessel Services - Monitoring Vessel Nerissa
ENS Resources, Inc.	36137	7,500.00	Professional Services - Federal Advocacy
Environmental Water Solutions, Inc.	35924	26,532.52	Repair & Maintenance Services and/or Supplies

Claims Paid From 12/16/10 to 12/31/10

Vendor	Warrant No.	Amount	Description
Express Lens Lab	36138	1,260.00	Safety, Security, Health Equipment, Supplies, and Services
Fedex Corporation	35983	154.96	Freight Services
Fisher Scientific	35984	9,662.12	Laboratory Services & Supplies
Fisher Scientific	36139	549.14	Laboratory Services & Supplies
Flat & Vertical, Inc.	35985	714.00	Repair & Maintenance Services and/or Supplies
Fleetmatics USA, Inc.	36140	152.08	Professional Services - Human Resources
Flo Systems, Inc.	35986	244.69	Repair & Maintenance Services and/or Supplies
FLW, Inc.	35987	104.04	Electrical/Electronic Equipment, Parts & Repairs
Fountain Valley AAA Auto Spa	36141	588.46	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Frank R. Steiger	36078	163.09	Meeting/Training Expense Reimbursement
Franklin Covey	35988	256.66	Office Supplies
Frys Electronics	35989	85.64	Computers, Software/Hardware
Gallade Chemical, Inc.	35990	797.00	Chemicals, Water/Wastewater Treatment
Garratt Callahan Company	35991	435.15	Chemicals, Water/Wastewater Treatment
Gary J. Tuiasosopo-Kemper	36080	190.00	Meeting/Training Expense Reimbursement
Gates Fiberglass Installers	36143	2,496.25	Repair & Maintenance Services and/or Supplies
George Yardley Co.	35992	2,814.10	Repair & Maintenance Services and/or Supplies
Gerard Daniel Worldwide	35993	175.85	Repair & Maintenance Services and/or Supplies
GMR Transcription	36144	645.00	Professional Services - Transcription
Golden State Overnight Delivery Service	35994	6.88	Courier Services
Golden West Window Service	35995	675.00	Facilities, Maintenance, Services & Supplies
Golden West Window Service	36145	5,587.00	Facilities, Maintenance, Services & Supplies
Grainger, Inc.	35996	2,942.96	Repair & Maintenance Services and/or Supplies
Graybar Electric Company	35997	4,140.41	Electrical/Electronic Equipment, Parts & Repairs
Great Western Sanitary Supplies	35998	136.28	Janitor & Household Service & Supplies
Guarantee Records Management	36146	540.31	Professional Services - Document Storage & Shredding
Hach c/o Ponton Industries	35999	91.97	Laboratory Services & Supplies
Hach Company	36000	880.74	Laboratory Services & Supplies
Harbor Radiator	36001	699.26	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Hardy Diagnostics	36002	408.19	Laboratory Services & Supplies
Harrington Industrial Plastics, Inc.	36003	2,037.59	Repair & Maintenance Services and/or Supplies
Harrington Industrial Plastics, Inc.	36147	1,074.45	Repair & Maintenance Services and/or Supplies
Health Dimensions	36148	1,800.00	Miscellaneous Services
Hills Brothers Lock & Safe	36004	250.00	Facilities, Maintenance, Services & Supplies
Hilti, Inc.	36005	598.41	Repair & Maintenance Services and/or Supplies
Home Depot	36006	943.44	Miscellaneous Parts and Supplies
Home Depot	36149	411.45	Miscellaneous Parts and Supplies
Hub Auto Supply	36007	111.67	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Hyatt Legal Plans, Inc.	36151	1,278.00	Voluntary Employee Benefit Program
Indiana Child Support Bureau	36152	290.00	Judgments Payable
Industrial Distribution Group	36008	432.49	Repair & Maintenance Services and/or Supplies
Insight Public Sector, Inc.	36153	22,637.84	Computers, Software/Hardware
Intercare Holdings Insurance Svcs., Inc.	36154	5,316.67	Workers' Compensation Service
Intratek Computer, Inc.	36009	1,969.43	Network/Server/Printer Maintenance Services
Irvine Ranch Water District	36010	191.51	Water Use
Irvine Ranch Water District	36155	44.96	Water Use
J R Filanc Construction	35926	194,054.00	Construction
J. F. Shea Construction, Inc.	35934	672,552.09	Construction
Jacob Dalgoff	36072	271.00	Meeting/Training Expense Reimbursement
Jamison Engineering Contractors, Inc.	36011	3,046.25	Professional Services/Construction Support Services

Claims Paid From 12/16/10 to 12/31/10

Vendor	Warrant No.	Amount	Description
Jamison Engineering Contractors, Inc.	36156	4,995.00	Professional Services/Construction Support Services
Jays Catering	36012	722.15	Catering Services
JCI Jones Chemicals, Inc.	323	47,118.71	Chemicals, Water/Wastewater Treatment
JCI Jones Chemicals, Inc.	326	90,761.85	Chemicals, Water/Wastewater Treatment
John D. Linder	36159	125.00	Meeting/Training Expense Reimbursement
John J. Bellitti	36238	1,320.00	Claim Settlement
Kaiser Foundation Health Plan, Inc.	36085	117,161.80	Employee Benefits
Kemira Water Solutions	324	125,093.91	Chemicals, Water/Wastewater Treatment
Kemira Water Solutions	327	61,963.05	Chemicals, Water/Wastewater Treatment
KM Industrial, Inc.	36013	4,254.00	Facilities, Maintenance, Services & Supplies
L. Johnson Painting	36158	7,235.00	Facilities, Maintenance, Services & Supplies
Lab Safety Supply, Inc.	36014	251.68	Laboratory Services & Supplies
Liberty Mutual Claims	36015	2,904.06	Insurance
Liberty Mutual Claims	36160	6,900.69	Insurance
Liebert Cassidy	36016	2,759.00	Professional Organizations Meeting/Training/Membership
Lina Hsiao	36075	163.36	Meeting/Training Expense Reimbursement
Luc H. Tang	36079	132.00	Meeting/Training Expense Reimbursement
Lynde-Ordway Company, Inc.	36017	145.48	Computer Applications & Services
Malcolm Pirnie, Inc.	36086	42,481.52	Professional Services/Engineering Design Services
MassMutual Michel Financial Group	36161	9,631.00	Executive Disability Plan Premium
Maxim Security Systems	36018	2,935.25	Safety, Security, Health Equipment, Supplies, and Services
McCrometer, Inc.	36019	2,961.55	Instrument Parts & Supplies
McMaster-Carr Supply Co.	36020	1,108.17	Repair & Maintenance Services and/or Supplies
McMaster-Carr Supply Co.	36162	3,960.18	Repair & Maintenance Services and/or Supplies
Micro Motion, Inc.	36163	3,763.84	Electrical/Electronic Equipment, Parts & Repairs
Mid-West Associates, Inc.	35927	29,562.24	Repair & Maintenance Services and/or Supplies
Miele, Inc.	36164	92.63	Laboratory Services & Supplies
Mine Safety Appliances Company	36021	952.84	Electrical/Electronic Equipment, Parts & Repairs
National Notary Association	36165	364.45	Professional Organizations Meeting/Training/Membership
National Water Research Institute	36166	2,500.00	Professional Organizations Meeting/Training/Membership
Neal Supply Co.	36022	267.63	Repair & Maintenance Services and/or Supplies
Neria & Manizhen Yomtoubian	36235	2,096.28	Reconciliation User Fee Refund Program
Neutron Products, Inc.	36023	9,012.34	Chemicals, Water/Wastewater Treatment
Neutron Products, Inc.	36167	6,008.23	Chemicals, Water/Wastewater Treatment
Nickell Metal Spray	36168	1,060.00	Repair & Maintenance Services and/or Supplies
Norco Delivery	36169	453.56	Delivery Services
OCB Reprographics	36025	2,445.85	Printing/Reprographics Services
OCEA	36170	692.25	Dues Deductible
Office Depot	36026	2,429.44	Office Supplies
Olin Corporation	36027	4,065.17	Chemicals, Water/Wastewater Treatment
OMI Industries	36171	4,460.00	Chemicals, Water/Wastewater Treatment
OneSource Distributors, Inc.	35928	44,068.46	Electrical/Electronic Equipment, Parts & Repairs
OneSource Distributors, Inc.	36172	3,547.67	Electrical/Electronic Equipment, Parts & Repairs
Orange County Sanitation District	36081	1,426.78	Petty Cash Expense
Orange County Sheriff	36173	616.81	Judgments Payable
Orange County United Way	36174	40.00	Employee Contributions
Oxygen Service Company	36029	705.21	Laboratory Services & Supplies
Oxygen Service Company	36175	504.32	Laboratory Services & Supplies
Pacific 4	36179	5,228.70	Janitorial & Household Services and/or Supplies
Pacific Mechanical Supply	36177	694.63	Repair & Maintenance Services and/or Supplies

Claims Paid From 12/16/10 to 12/31/10

Vendor	Warrant No.	Amount	Description
Pacific Parts and Controls, Inc.	36178	2,020.58	Repair & Maintenance Services and/or Supplies
Pacific Truck Equipment, Inc.	36030	164.27	Facilities, Maintenance, Services & Supplies
Packet Fusion, Inc.	36180	9,561.97	Telecommunications
Parkhouse Tire, Inc.	36181	442.55	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
PBS & J	36031	14,130.89	Professional Services/Engineering Design Services
PBS & J	36182	4,635.93	Professional Services/Engineering Design Services
Peace Officers Council of CA	36183	2,323.00	Dues Deductions, Supervisors & Professionals
Performance Pipeline Technologies	36088	27,162.71	Professional Services/CCTV Inspection/Sewerline Cleaning
PL Hawn Company, Inc.	36184	218.59	Electrical/Electronic Equipment, Parts & Repairs
Polydyne, Inc.	325	20,908.15	Chemicals, Water/Wastewater Treatment
Polydyne, Inc.	329	23,738.66	Chemicals, Water/Wastewater Treatment
PR Electronics, Inc.	36185	1,276.45	Electrical/Electronic Equipment, Parts & Repairs
Praxair Distribution, Inc.	36032	281.21	Laboratory Services & Supplies
Preferred Benefit Insurance Administrators, Inc.	36089	76,975.56	Employee Benefits
Primrose Ice Co., Inc.	36033	75.00	Water & Ice Services
Projects Partners	35929	40,448.00	Professional Services/Temporary Employment Services
Propipe Professional Pipe Services	330	5,048.37	Professional Services/CCTV Sewerline Inspections
Prudential Insurance Company of America	36090	41,349.91	Benefits
Prudential Overall Supply	36034	3,236.81	Uniforms
Pryor Seminars/Career Track	36142	248.00	Professional Organizations Meeting/Training/Membership
PSOMAS	36186	8,800.00	Computer Applications & Services
Pulmuone Wildwood, Inc.	36087	349,671.89	Reconciliation User Fee Refund Program
Pumping Solutions, Inc.	36035	139.41	Repair & Maintenance Services and/or Supplies
Putzmeister America, Inc.	36091	26,800.00	Repair & Maintenance Services and/or Supplies
Pyramid Fence Company, Inc.	36187	925.00	Facilities, Maintenance, Services & Supplies
Quickstart Intelligence	36188	1,276.00	Professional Organizations Meeting/Training/Membership
Randall Kleinman	36076	295.00	Meeting/Training Expense Reimbursement
RBF Consulting	36036	4,935.96	Professional Services/Engineering Design Services
RBF Consulting	36190	6,068.16	Professional Services/Engineering Design Services
Red Wing Shoes	36191	765.95	Safety, Security, Health Equipment, Supplies, and Services
Reliastar	36192	4,767.26	Voluntary Employee Life & Cancer Insurance
Rentacrate, L.L.C.	36037	363.13	Facilities, Maintenance, Services & Supplies
Richard Gallegos	36073	170.00	Meeting/Training Expense Reimbursement
Robert Half International, Inc.	36193	4,591.70	Computer Applications & Services
Robert Holdman	36074	365.37	Meeting/Training Expense Reimbursement
Roto Rooter NOC#11	36038	162.50	Repair & Maintenance Services and/or Supplies
Roto Rooter NOC#11	36194	2,505.16	Repair & Maintenance Services and/or Supplies
Royale Cleaners	36039	156.70	Miscellaneous Services
Royale Cleaners	36195	99.90	Miscellaneous Services
Sachs Electric Company	36094	92,353.53	Professional Services/Central Generation Automation
San Diego/Orange Fluid System Technologies, Inc.	36040	1,009.93	Repair & Maintenance Services and/or Supplies
Sancon Engineering, Inc.	36041	2,850.00	Repair & Maintenance Services and/or Supplies
Sancon Engineering, Inc.	36092	45,068.00	Repair & Maintenance Services and/or Supplies
SARBS-CWEA	36082	50.00	Professional Organizations Meeting/Training/Membership
Schwing Bioset	331	1,006.94	Repair & Maintenance Services and/or Supplies
SCP Science	36197	555.00	Laboratory Services & Supplies
Sea Bird Electronics, Inc.	36042	271.00	Electrical/Electronic Equipment, Parts & Repairs
Shamrock Supply Co., Inc.	36043	3,313.54	Repair & Maintenance Services and/or Supplies
Shamrock Supply Co., Inc.	36198	502.51	Repair & Maintenance Services and/or Supplies
Sharesquared, Inc.	36199	9,489.72	Computer Applications & Services

Claims Paid From 12/16/10 to 12/31/10

Vendor	Warrant No.	Amount	Description
Shureluck Sales & Engineering	36044	262.39	Repair & Maintenance Services and/or Supplies
Shureluck Sales & Engineering	36200	1,571.15	Repair & Maintenance Services and/or Supplies
Siemens Water Technologies Corp.	36045	65.54	Repair & Maintenance Services and/or Supplies
Siemens Water Technologies Corp.	36201	218.52	Repair & Maintenance Services and/or Supplies
Sigma-Aldrich, Inc.	36202	188.05	Laboratory Services & Supplies
SKC West, Inc.	36203	217.19	Laboratory Services & Supplies
SOR, Inc. c/o Patten Systems	36204	2,221.01	Repair & Maintenance Services and/or Supplies
Source Graphics	36046	223.29	Computer Applications & Services
South Coast Air Quality Management Dist.	36047	3,141.90	Governmental Agency Fees & Charges
South Coast Air Quality Management Dist.	36205	2,611.59	Governmental Agency Fees & Charges
South Coast Water Co.	36196	19,724.62	Reconciliation User Fee Refund Program
Southern California Edison	35930	249,535.27	Utilities
Southern California Water Committee	36206	850.00	Professional Organizations Meeting/Training/Membership
Southern Counties Lubricants	36207	235.23	Fuel and Lubricants
Sparkletts	36208	1,373.44	Miscellaneous Supplies
Sparling Instruments, Inc.	36048	4,004.58	Repair & Maintenance Services and/or Supplies
Stantec Consulting Services, Inc.	36209	4,676.00	Professional Services/Surveying
Stapels	36210	1,148.40	Office Supplies
Stapels	36049	953.14	Office Supplies
Summit Steel	36050	6,090.75	Repair & Maintenance Services and/or Supplies
Summit Steel	36211	1,310.58	Repair & Maintenance Services and/or Supplies
Sunset Industrial Parts	36051	5,158.91	Repair & Maintenance Services and/or Supplies
Sunset Industrial Parts	36212	4,265.42	Repair & Maintenance Services and/or Supplies
Super Chem Corporation	36052	548.10	Repair & Maintenance Services and/or Supplies
Synagro West, Inc.	35931	356,669.65	Biosolids Management
Systea Scientific, L.L.C.	36213	627.48	Laboratory Services & Supplies
Technisource, Inc.	36214	690.00	Professional Services - MS Access Database Content Migration Project
Terra Renewal, L.L.C.	36093	38,938.85	Grit & Screenings Disposal
The Integration Works, L.L.C.	36053	1,602.00	Repair & Maintenance Services and/or Supplies
The Orange County Register	36028	2,240.00	Notices & Ads
The Pittsburgh Conference	36054	545.00	Professional Organizations Meeting/Training/Membership
The Wackenhut Corporation	36066	11,155.56	Safety, Security, Health Equipment, Supplies, and Services
The Wackenhut Corporation	36227	2,997.28	Safety, Security, Health Equipment, Supplies, and Services
Theodore Robins Ford	36055	181.51	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Thompson Industrial Supply, Inc.	36056	13,135.59	Repair & Maintenance Services and/or Supplies
Tiano Construction	36215	3,875.00	Facilities, Maintenance, Services & Supplies
Tony's Lock & Safe Service & Sales	36057	621.80	Repair & Maintenance Services and/or Supplies
Tortuga Pool Service	36216	310.00	Repair & Maintenance Services and/or Supplies
Tremco Incorporated	36217	6,823.51	Repair & Maintenance Services and/or Supplies
Tropical Plaza Nursery, Inc.	36218	4,050.00	Landscape Maintenance Services
Truck & Auto Supply, Inc.	36219	42.41	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
Tule Ranch/Magan Farms	35932	153,412.17	Biosolids Management
TW Telecom Holdings, Inc.	36220	3,754.60	Telecommunications
Ultra Scientific	36221	90.00	Laboratory Services & Supplies
Umesh N. Murthy	36077	125.00	Meeting/Training Expense Reimbursement
United Parcel Service	36058	1,018.85	Freight Services
United Parcel Service	36222	57.98	Freight Services
US Peroxide, L.L.C.	35933	63,895.76	Chemicals, Water/Wastewater Treatment
Verizon California	36059	299.97	Telecommunications
Verizon California	36223	49.63	Telecommunications

Claims Paid From 12/16/10 to 12/31/10

Vendor	Warrant No.	Amount	Description
Verizon California	36060	1,660.64	Telecommunications
Verne's Plumbing	36061	3,645.00	Plumbing Services & Supplies
Verne's Plumbing	36224	3,400.00	Plumbing Services & Supplies
Vibralign, Inc.	36062	335.33	Repair & Maintenance Services and/or Supplies
Village Nurseries	36063	109.36	Repair & Maintenance Services and/or Supplies
Voided Check	35925	-	-
Voided Check	35935	-	-
Voided Check	35936	-	-
Vortex Corp.	36064	2,407.64	Repair & Maintenance Services and/or Supplies
Vortex Corp.	36225	3,895.95	Repair & Maintenance Services and/or Supplies
Voyager Fleet Systems, Inc.	36226	21,214.71	Autos, Trucks & Marine Equipment, Parts, Accessories & Services
VWR Scientific Products	36065	2,716.34	Laboratory Services & Supplies
Water Environment Federation	36228	220.00	Professional Organizations Meeting/Training/Membership
Weather and Wind Instrument Co.	36229	516.55	Miscellaneous Parts and Supplies
Wells Fargo Bank Escrow 23518600	36071	17,041.00	Construction, Retention
Wells Fargo Bank Escrow 23861100 Kiewit	35937	107,938.30	Construction, Retention
West Coast Safety Supply Co.	36067	1,194.36	Safety, Security, Health Equipment, Supplies, and Services
West Lite Supply Company, Inc.	36230	321.29	Electrical/Electronic Equipment, Parts & Repairs
Western Utilities Transformer Service	36231	302.18	Repair & Maintenance Services and/or Supplies
Westport Apparatus dba Breaker Supply	36068	229.49	Electrical/Electronic Equipment, Parts & Repairs
Westport Apparatus dba Breaker Supply	36232	278.78	Electrical/Electronic Equipment, Parts & Repairs
Workplace Resource	36233	649.57	Furniture
Xerox Corporation	36234	19,895.80	Computers, Software/Hardware & Managed Services
Yale/Chase Materials Handling, Inc.	36069	516.23	Electrical/Electronic Equipment, & Electric Cart Parts & Repairs
Yale/Chase Materials Handling, Inc.	36236	211.42	Electrical/Electronic Equipment, & Electric Cart Parts & Repairs
24 Hour Fire Protection, Inc.	36070	1,196.25	Repair & Maintenance Services and/or Supplies
4X Diagnostics, L.L.C.	36237	20,175.51	Computers, Software/Hardware
Total Accounts Payable - Warrants		\$ 4,232,319.43	
<u>Payroll Disbursements</u>			
Employee Paychecks	45973 - 45975	\$ 7,390.40	Interim Payroll - Terminations & Annual Leave Payouts (12/16/10 & 12/17/10)
Employee Paychecks	45976 - 46035	106,776.96	Biweekly Payroll (12/29/10)
Employee Paychecks	46036 - 46043	38,456.45	Interim Payroll - Adjustments, IDEA, Retirements & Leave Payouts (12/28/10 & 12/30/10)
Direct Deposit Statements	197766 - 198342	1,459,030.18	Biweekly Payroll (12/29/10)
Total Payroll Disbursements		\$ 1,611,653.99	
<u>Wire Transfer Payments</u>			
OCS D Payroll Taxes & Contributions		\$ 814,021.91	Biweekly Payroll (12/29/10)
IPMC c/o Parsons		1,321,495.00	Professional Services/Temporary Services (12/20/10)
IPMC c/o Parsons		967,971.00	Professional Services/Temporary Services (12/22/10)
Kiewit/Mass, A Joint Venture		153,369.00	Construction 5-49 (12/22/10)
Kiewit/Mass, A Joint Venture		971,444.70	Construction 5-50 (12/22/10)
US Bank		89,243.24	Series 2000 A & B Refunding Certificates of Participations Interest Payment (12/31/10)
Total Wire Transfer Payments		\$ 4,317,544.85	
Total Claims Paid 12/16/10 - 12/31/10		\$ 10,161,518.27	

BOARD OF DIRECTORS

AGENDA REPORT

Meeting Date	To Bd. of Dir. 01/26/11
Item Number	Item Number 5

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Jim Herberg, Director of Engineering
Project Manager: Dean Fisher

SUBJECT: P1 CenGen Strainer Drain Improvements, Project No. 07-23

GENERAL MANAGER'S RECOMMENDATION

- A. Approve Plans and Specifications for the P1 CenGen Strainer Drain Improvements, Project No. FE07-23, on file at the office of the Clerk of the Board;
- B. Approve Addendum No. 1 to the plans and specifications;
- C. Receive and file bid tabulation and recommendation;
- D. Award a construction contract to J. F. Shea Construction, Inc. for P1 CenGen Strainer Drain Improvements, Project No. FE07-23, for an amount not to exceed \$101,840; and,
- E. Approve a contingency of \$20,368 (20%).

SUMMARY

This project will reroute the 8-inch, 4-inch, and 3-inch diameter drains within Tunnels 12 and 14, and the 4-inch discharge line from the sump pumps in the basement of Primary Clarifier Nos. 1 and 2. Other elements of the work include the installation of a flow meter and associated electrical components. Portions of the work are within confined spaces and classified areas.

The plans and specifications for P1 CenGen Strainer Drain Improvements, Project No. FE07-23, were completed in October 2010.

Five sealed bids were received on November 16, 2010. After evaluation of the bids by the Orange County Sanitation District (Sanitation District) Evaluation Team, J. F. Shea Construction, Inc. is deemed the lowest, responsive and responsible bidder. The Sanitation District Evaluation Team recommends awarding the contract to J. F. Shea Construction, Inc.

SUMMARY (cont'd)

Summary information on the bid opening for P1 CenGen Strainer Drain Improvements, Project No. FE07-23 is as follows:

Project Budget	\$365,810
Construction Contract Budget (FE07-23)	\$160,000
Engineer's Construction Estimate	\$120,000
Lowest, Responsive, Responsible Bid	\$101,840
High Bid	\$290,000

PRIOR COMMITTEE/BOARD ACTIONS

N/A

ADDITIONAL INFORMATION

The contractor selection was conducted in accordance with the Sanitation District's adopted policies and procedures.

<u>Bidder</u>	<u>Amount of Bid</u>
J. F. Shea Construction, Inc.	\$101,840
S. S. Mechanical Corporation	\$115,500
Atom, Inc.	\$127,529
Atlas Allied, Inc.	\$181,100
Garcia Juarez Construction Inc.	\$290,000

CEQA

A Notice of Exemption was filed for this project on May 5, 2008.

BUDGET/DELEGATION OF AUTHORITY COMPLIANCE

This request complies with authority levels of the Sanitation District's Delegation of Authority. This item has been budgeted (Budget Update Fiscal Year 2010-2011, Line Item 97, FE-P1) and the budget is sufficient for the recommended action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
January 26, 2011	\$101,804	\$20,368 (20%)

BOARD OF DIRECTORS

AGENDA REPORT

Meeting Date	To Bd. of Dir. 01/26/11
Item Number	Item Number 06

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Jim Herberg, Director of Engineering
CIP Project Manager: Hardat Khublall

SUBJECT: SANTA ANA RIVER INTERCEPTOR 2010 EMERGENCY PROTECTION REPAIRS, PROJECT NO. 2-41-7

GENERAL MANAGER'S RECOMMENDATION

Adopt Resolution No. OCSD 11-01, Authorizing Emergency Repairs to the Santa Ana River Interceptor (SARI) Pipeline Protective Cover and Ratifying the General Manager's Use of Emergency Purchasing Authority pursuant to Delegation of Authority Resolution No. OCSD 07-04, Section 6.03(J), and authorize and find a continuing need for the General Manager to issue the following purchase orders for the 2010 SARI Protection Repairs, Project No. 2-41-7:

- A. Purchase Order No. 81354-OS to Jamison Engineering Contractors for providing construction services, for a total amount not to exceed \$500,000;
- B. Purchase Order No. 81407-OS to RBF Consulting for providing surveying services for a total amount not to exceed \$100,000; and
- C. Purchase Order No. 81408-OS to TetraTech, Inc. for providing engineering services, for a total amount not to exceed \$25,000.

SUMMARY

- Due to the recent storm events, the soil cover over the Santa Ana River Interceptor (SARI) pipeline eroded due to high releases from Prado Dam, threatening the integrity of the line. The SARI line suffered erosion at two locations in the Santa Ana Canyon in Yorba Linda, SAVI Ranch, and The Green River Golf Course crossings.
- The exposure of the SARI pipeline due to soil erosion poses a clear and imminent danger to residences, habitat, and District facilities, requiring immediate action to prevent or mitigate loss or impairment of life, health, property, and essential public services, and the emergency will not permit a delay resulting from a competitive solicitation of bids.
- The Board Chair was notified of the emergency repairs in accordance with the District's Delegation of Authority Resolution.

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SUMMARY (cont'd)

- Santa Ana Watershed Project Authority (SAWPA) is responsible for reimbursement of 76% of the cost for these repairs.
- The State of California has declared the rain event to be a State Emergency and has requested the President of the United States to declare a Federal Emergency. Staff is documenting costs associated with the storms in the event that reimbursement from State and/or Federal disaster funds is available.

PRIOR COMMITTEE/BOARD ACTIONS

None

ADDITIONAL INFORMATION

If the SARI line is not immediately repaired, the line can be undermined and fail, causing a significant sewage spill with negative impacts to the environment of catastrophic proportions. The SARI Line could also fill with water silt and debris, which would flow into the Sanitation District's collection system and threaten the flow of sewage to the treatment plants. The debris would result in sewage backing up into public streets where it would pose possible health, financial, and environmental threats. Services to satellite cities would be impacted, and untreated sewage would flow into the Santa Ana River resulting in beach closures and contamination of the ground water recharge basins.

The damage to the protective cover over the pipeline constitutes an emergency within the meaning of Public Contract Code Sections 20783, 22050 and 1102, and the Delegation of Authority Resolution No. 07-04, Section 6.03(J).

The exposure of the pipeline and the potential risks related to such exposure will not allow for a typical procurement process. In order to expedite these repairs, Staff is requesting emergency authorization for agreements with three separate contracting parties using the Sanitation District's emergency procurement authority.

CEQA

A Notice of Exemption was filed on January 5, 2011. The recommended action is categorically exempt pursuant to CEQA Guidelines Section 15301 because it consists of the operation, repair, maintenance, permitting, and/or minor alteration of existing public structures, facilities, and/or mechanical equipment, involving no expansion of use beyond that currently existing.

The recommended action is also statutorily exempt pursuant to Public Resources Code Sections 21080(b)(2) and 21080(b)(4) because specific actions are necessary to prevent an emergency.

BUDGET/DELEGATION OF AUTHORITY COMPLIANCE

This request complies with authority levels of the Sanitation District's Delegation of Authority. This item has been budgeted. (Line item: Section 8, Page 17).

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
01/26/11	\$500,000	0%
01/26/11	\$100,000	0%
01/26/11	\$ 25,000	0%

ATTACHMENT

Resolution No. OCSD 11-01 Emergency Repairs to SARI

JDH:HK:el:gc

RESOLUTION NO. OCSD 11-01

**A RESOLUTION OF THE BOARD OF DIRECTORS
OF ORANGE COUNTY SANITATION DISTRICT
Finding That The Public Interest And Necessity
Demand Immediate Repair Of The Sari Pipeline
Protective Cover, Authorizing Emergency Repairs To
The Sari Pipeline, And Ratifying General Manager's
Use Of Emergency Purchasing Authority Pursuant To
Delegation Of Authority Resolution 07-04 SECTION 6.03(J)**

WHEREAS, recent storms and high releases of water from Prado Dam have damaged and eroded the soil cover over the Santa Ana River Interceptor (SARI) pipeline, which threatens the integrity of the SARI pipeline and poses a clear and imminent danger; and

WHEREAS, failure to immediately repair the protective cover over the SARI pipeline may cause the pipeline to fail, thereby triggering a significant sewage spill and other impacts to the environment of catastrophic proportions; and

WHEREAS, the damage to the protective cover over the SARI pipeline is a sudden, unexpected occurrence that poses a clear and imminent danger to residences, habitat, and District facilities requiring immediate action to prevent or mitigate loss or impairment of life, health, property, and essential public services; and

WHEREAS, the SARI pipeline damage constitutes an emergency within the meaning of Public Contract Code Sections 20783, 22050 and 1102, and the Delegation of Authority Resolution 07-04 Section 6.03(J); and

WHEREAS, the General Manager utilized emergency purchasing authority to negotiate and award a contract to Jamison Engineering Contractors to provide construction services for the SARI 2010 Protection Repairs, Project No. 2-41-7 ("Project") for an amount not to exceed \$500,000; and

WHEREAS, the General Manager utilized emergency purchasing authority to negotiate and award a contract to RBF Consulting to provide surveying services for the Project for an amount not to exceed \$100,000; and

WHEREAS, the General Manager utilized emergency purchasing authority to negotiate and award a contract to Tetra Tech, Inc. to provide engineering services for the Project for an amount not to exceed \$25,000; and

WHEREAS, there is a need to continue proceeding with the emergency repairs to the SARI pipeline initiated by the General Manager; and

WHEREAS, the Project is categorically exempt pursuant to the California Environmental Quality Act (CEQA), California Code of Regulations title 14 section 15301, because the Project consists of the operation, repair, maintenance, permitting, and/or minor alteration of existing public structures, facilities, and/or mechanical equipment, involving no expansion of use beyond that currently existing; and

WHEREAS, the Project is also statutorily exempt pursuant to Public Resources Code sections 21080(b)(2) and 21080(b)(4); and

WHEREAS, the Orange County Sanitation District filed a Notice of Exemption on January 5, 2011, for this Project.

NOW, THEREFORE, the Board of Directors of Orange County Sanitation District hereby resolves, determines, and orders:

Section 1. The Board finds that the damage to the soil cover over the SARI pipeline constitutes an emergency within the meaning of Public Contract Code Sections 20783, 22050 and 1102, and the Delegation of Authority Resolution 07-04 Section 6.03(J).

Section 2. The Board finds, based on substantial evidence presented and considered, the public interest and necessity demand the immediate expenditure of public money to safeguard life, health, or property, and the emergency will not permit a delay resulting from a competitive solicitation for bids.

Section 3. The Board ratifies the General Manager's use of emergency purchasing authority to negotiate and award a contract to Jamison Engineering Contractors to provide construction services for the Project for an amount not to exceed \$500,000.

Section 4. The Board ratifies the General Manager's use of emergency purchasing authority to negotiate and award a contract to RBF Consulting to provide surveying services for the Project for an amount not to exceed \$100,000.

Section 5. The Board ratifies the General Manager's use of emergency purchasing authority to negotiate and award a contract to Tetra Tech, Inc. to provide engineering services for the Project for an amount not to exceed \$25,000.

Section 6. The Board finds a need to continue proceeding with the emergency repairs to the SARI pipeline initiated by the General Manager.

Section 7. This resolution shall take effect immediately upon its adoption.

PASSED AND ADOPTED at a regular meeting held January 26, 2011.

Chair, Orange County Sanitation District

ATTEST:

Clerk of the Board

JOINT STEERING COMMITTEE

AGENDA REPORT

Meeting Date	To Bd. of Dir. 01/26/11
Item Number	Item Number 8

Orange County Sanitation District

FROM: James D. Ruth, General Manager
Originator: Jim Herberg, Director of Engineering
Project Manager: Jim Burror, Engineering Supervisor

SUBJECT: GWRS PROJECT NO. J-36-1

GENERAL MANAGER'S RECOMMENDATION

- A. Establish a budget for the Joint GWRS Microfiltration Backwash Redirection Project, Project No. J-36-1, in the amount of \$1,061,000; and
- B. Approve a cost-sharing agreement with the Orange County Water District for half the project expenditures, in a form approved by General Counsel, for an estimated amount not to exceed \$1,061,000.

SUMMARY

Currently, the Groundwater Replenishment System (GWRS) Advanced Water Purification Facility (AWPF) cannot reach its annual production goal of 72,000 acre-feet (af) of water. One of the main factors contributing to this shortfall is the lack of available nighttime wastewater flows. A project has been developed that would store excess wastewater at the Orange County Sanitation District (OCSD) during the day so that it could be treated at night, thereby increasing the overall production for GWRS.

The agreement between the two agencies states that the parties will meet and confer in the event that flows fall short and discuss sharing costs to mitigate the shortfall. Consistent with the agreement, the General Managers have met and agreed to a 50/50 cost share. The Joint Steering Committee also recommends that each agency pay 50% of the project cost totaling \$1,061,000 each.

The Orange County Water District (OCWD) will lead the project and OCSD will reimburse them for project expenditures as they occur.

The microfiltration waste backwash flows from the GWRS currently go back to OCSD Plant No. 1 and are processed through its primary treatment process. By implementing some minor piping changes, this flow can be diverted directly to the secondary treatment process, resulting in a \$600,000 annual operation cost savings. Based on this saving the proposed project is cost neutral for OCSD.

PRIOR COMMITTEE/BOARD ACTIONS

April 2010: Approved Amended Joint Exercise of Powers Agreement for the Development, Operation, and Maintenance of the Groundwater Replenishment System and Green Acres Project.

ADDITIONAL INFORMATION

The project was approved by the Joint Steering Committee on January 10, 2011. The project will be considered for final approval by the OCWD Board on January 19, 2011.

CEQA

The recommended action is also categorically exempt pursuant to CEQA Guidelines Sections 15301(a) because it consists of the minor alterations to an existing public structures, facilities, and/or mechanical equipment, involving no expansion of use beyond that currently existing. A Notice of Exemption will be filed with the County of Orange.

BUDGET/DELEGATION OF AUTHORITY COMPLIANCE

This request complies with authority levels of the Sanitation District's Delegation of Authority. This item has not been budgeted and includes a request to establish a new budget from unspent capital project funds.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
N/A	N/A	N/A

ATTACHMENT

January 10, 2011 Joint Steering Committee report

JB:sa

AGENDA ITEM SUBMITTAL

Meeting Date: January 10, 2011

To: Groundwater Replenishment
System Steering Committee

From: Mike Markus

Staff Contact: M. Patel

Budgeted: No

Budgeted Amount: Not budgeted

Cost Estimate: \$2,122,000 (Cost shared)

Funding Source: General Fund

Program/ Line Item No. 1044.51301

General Counsel Approval: N/A

Engineers/Feasibility Report: N/A

CEQA Compliance: N/A

**Subject: JOINT PROJECT TO INCREASE NIGHTTIME FLOW TO GWRS AND
REDIRECT MICROFILTRATION BACKWASH WASTE FLOWS AT OCSD
PLANT NO. 1**

SUMMARY

Currently, the Groundwater Replenishment System (GWRS) Advanced Water Purification Facility (AWPF) cannot reach its annual production goal of 72,000 acre-feet (af) of water. One of the main factors contributing to this shortfall is the lack of available nighttime wastewater flows. A project has been developed that would store excess wastewater at the Orange County Sanitation District (OCSD) during the day so that it could be treated at night, thereby increasing the overall production for GWRS.

The microfiltration waste backwash flows from the Groundwater Replenishment System (GWRS) currently go back to OCSD Plant No. 1 and are processed through its primary treatment process. By implementing some minor piping changes, this flow can be diverted directly to the secondary treatment process, resulting in a \$600,000 annual operational cost savings.

RECOMMENDATION

Agendize for the January 19th **OCWD** and January 26th **OCSD** Board: Approve and authorize a project budget of \$2,122,000 for the design and construction of a project to provide GWRS with additional nighttime flow and redirect microfiltration backwash waste flows at OCSD Plant No. 1, with the costs equally shared between the two agencies.

BACKGROUND/ANALYSIS

The GWRS is designed to produce 70 million gallons per day (mgd) and 72,000 af of water per year, but has not met that production during its first 3 years of operations. The plant has been averaging approximately 64 mgd of production over the past year. The shortfall in production is due primarily to two general operating limitations:

- The microfiltration (MF) system runs at maximum capacity during the daytime without enough redundancy to maintain peak production; and
- Diurnal low flows from OCSD continue to exist, which require the AWPf plant to run at a reduced production capacity at night.

Microfiltration Production Shortfall

Based on the experience over almost three years of operation, water production staff has learned that having one extra MF treatment cell for system redundancy is insufficient. Because of periodic mechanical maintenance, regular membrane cleaning schedules and competition for backwash resources when the flows are high, the overall MF production has been limited. Staff believes this is a minor contribution (1.3 mgd) to the overall production shortfall.

OCWD has addressed this issue by installing additional membrane-modules in the twenty-six MF basins. The original design of GWRS had MF racks that could hold a total of thirty-six membrane-modules, but only thirty-two were initially purchased and installed. By installing these additional membrane-modules now, the MF production can be increased by an additional 8.6 mgd and provide sufficient back-up redundancy in this process.

OCWD has gone ahead and purchased these additional membrane-modules and is in the process of installing them. This \$ 1.2 million cost is being borne solely by OCWD and is not a part of the proposed project. This added microfiltration capacity helps the flow shortages during the day, but not the shortfall during the night.

Nighttime Flow Shortfall

The second issue has a greater impact on GWRS production. The services of Carollo Engineers were acquired to evaluate near term improvements to increase nighttime flows into OCSD Plant No 1. Currently, OCSD cannot supply the required feedwater during nighttime hours. Originally, the Steve Anderson Lift Station (SALS) was intended to make up for the night time deficit of flow available to the GWRS. SALS was to provide approximately 20 mgd additional flow at night. When the SALS went online, the nighttime deficit was reduced, but a 5 mgd shortfall remained. This shortfall exists due to lower than expected wastewater flows in the OCSD trunk lines.

The alternative identified by Carollo Engineers to make up the shortfall consisted of storing 5.8 million gallons of excess primary effluent produced during the day in existing primary clarifiers that are currently not in use and then further treating this at night to make up for the nighttime shortfall that currently exists. This project could be implemented on a permanent basis, but that would require a detailed design and a capital construction project, which would take 19 months to complete. This time frame is too long to provide a near term benefit to OCWD. A near term benefit is needed considering that permanent flow equalization will be incorporated into OCWD's planned 30 mgd initial expansion of the GWRS, scheduled for completion in June 2014, which permanently solves the nighttime flow shortage problem.

The staffs and general managers of both agencies decided to investigate a method to implement the Carollo alternative using temporary equipment. This includes using rental pumps and piping supplied by an industrial equipment firm. This rental equipment

could achieve the objectives of the alternative allowing for storage of primary effluent, but could be implemented in less than 6 months. This would provide a more immediate benefit to the GWRS. The cost of this project using rental equipment is estimated at \$1,822,000 and results in an additional 5.8 mgd of secondary effluent being available to the GWRS, which would result in 4.4 mgd of GWRS product water. This additional volume would allow the GWRS to operate very close to the 70 mgd flow rate for which the AWPf was designed. The general managers of both agencies, in keeping with Joint GWRS Operating Agreement, feel a cost share arrangement for this project is appropriate.

This project would be capable of producing an additional 4.4 mgd or 4,930 acre-feet per year (afy) of new local water supplies. Over the three year period that this project would be operating, the total amount of water produced for the groundwater basin would be 14,790 af. The cost of imported water is \$790/af, while the cost of groundwater (including pumping costs) is approximately \$300/af. The net savings due to this project would be $(14,790\text{af})(\$790/\text{af} - \$300/\text{af}) = \$7,247,100$. This benefit would extend to the constituents of both agencies.

Redirection of MF Backwash Waste Flows

The GWRS Advanced Water Purification Facility currently sends up to 8.6 million gallons per day of microfiltration backwash waste flows back to OCSD Plant No. 1. This flow goes directly into OCSD's primary clarifiers and then continues through the wastewater treatment process. The microfiltration waste backwash does not require additional wastewater treatment and so both staffs looked at options to by-pass this flow around the primary treatment, thus saving those treatment costs.

A solution was found whereby some fairly minor piping changes could be made to redirect this waste backwash flow around the primary treatment process and directly into the secondary treatment process. Black and Veatch have incorporated those changes into the GWRS Initial Expansion Project and these permanent changes would be made under that contract.

The routing of the microfiltration backwash waste flows directly to the secondary treatment process was actually included in the original GWRS project, but was deleted as a cost savings matter. At that time a very lengthy pipeline was envisioned and the impact on OCSD operational costs was not fully analyzed. Because of this, both staffs recommend that this should be a cost shared item.

OCSD staff has estimated an annual savings of approximately \$600,000 in primary treatment costs resulting from these piping changes.

OCSD staff has recently implemented a temporary by-pass to immediately realize these savings until the permanent by-pass can be installed.

PRIOR RELEVANT BOARD ACTION(S):

March 19, 2010 – R10-3-00: Authorize issuance of Professional Services Agreement to Carollo Engineers for a fee not to exceed \$71,369 for engineering design services for the development of alternatives for sewer diversions tributary to OCSD Reclamation Plant No. 1 to increase the overall production of the GWR System