

**AGENDA
IRVINE RANCH WATER DISTRICT
BOARD OF DIRECTORS
REGULAR MEETING**

October 24, 2011

PLEDGE OF ALLEGIANCE

CALL TO ORDER 5:00 P.M., Board Room, District Office
15600 Sand Canyon Avenue, Irvine, California

ROLL CALL Directors Reinhart, Matheis, Swan, Withers and President LaMar

NOTICE

If you wish to address the Board on any item, including Consent Calendar items, please file your name with the Secretary. Forms are provided on the lobby table. Remarks are limited to five minutes per speaker on each subject. Consent Calendar items will be acted upon by one motion, without discussion, unless a request is made for specific items to be removed from the Calendar for separate action.

COMMUNICATIONS TO THE BOARD

1. A. Written:
- B. Oral: Mrs. Joan Irvine Smith relative to the Dyer Road Wellfield.

2. **ITEMS RECEIVED TOO LATE TO BE AGENDIZED**

Recommendation: Determine that the need to discuss and/or take immediate action on item(s) introduced come to the attention of the District subsequent to the agenda being posted.

PRESENTATION

3. **PARTNER COMMENDATION**

In celebration of the District's 50th anniversary, the IRWD Board of Directors will recognize key "Partners in Service". This evening the Board will present a Certificate of Commendation to representatives of the Woodbridge Village Association.

WORKSHOP

4. **IRVINE RANCH WATER DISTRICT GOALS AND PRIORITIES**

Recommendation: That the Board review and discuss the proposed Target Activities Priority List and provide direction, as appropriate.

CONSENT CALENDAR

Next Resolution No. 2011-44

Items 5-12

5. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the October 7, 2011 Adjourned Regular Board Meeting, the October 10, 2011 Adjourned Regular Board Meeting, the October 10, 2011 Regular Board Meeting, and the October 17, 2011 Special Board Meeting be approved as presented.

6. RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS

Recommendation: That the Board ratify/approve the meetings and events for Steven LaMar, Mary Aileen Matheis, Douglas Reinhart, John Withers and Peer Swan.

7. STRATEGIC MEASURES DASHBOARD

Recommendation: That the Board receive and file the Strategic Measures Dashboard and information items.

8. SEPTEMBER 2011 FINANCIAL REPORTS

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report and the Monthly Interest Rate Swap Summary for September 2011; approve the September 2011 Disbursement Summary of Warrants Nos. 323092 through 323975 Workers' Compensation distributions, wire transfers, payroll direct deposit ACH payments, payroll withholding distributions and voided checks in the total amount of \$28,698,742.93.

9. STATE LEGISLATIVE UPDATE

Recommendation: Receive and file.

10. QUITCLAIM OF REAL PROPERTY

Recommendation: That the Board adopt a resolution approving execution of the Quitclaim Deed to Kaiser Foundation Hospitals.

Reso No. 2011-

11. NEWPORT COAST IRRIGATION RUNOFF REDUCTION PROGRAM

Recommendation: That the Board authorize an increase of \$150,000 to the Fiscal Year 2011-12 Operating Budget from unallocated conservation revenues, and authorize the General Manager to execute an agreement with the City of Newport Beach for participation in the Newport Coast Irrigation Runoff Reduction program.

CONSENT CALENDAR

Next Resolution No. 2011-44

Items 5-12

12. ORANGE PARK ACRES TRANSMISSION PIPELINES PROJECT
REDUCTION OF RETENTION

Recommendation: That the Board authorize the reduction of retention from 10% to 5% of the contract amount and release of funds in excess of 5% of the contract amount from retention currently held for the Orange Park Acres Transmission Pipelines Project, project 11408 (1279).

ACTION CALENDAR

13. WELLS 21 AND 22 WELLHEAD FACILITIES CONTRACT CHANGE
ORDER

Recommendation: That the Board approve an Expenditure Authorization in the amount of \$441,000 for project 10286 (1081); approve Contract Change Order No. 2 in the amount of \$356,275 to F.T. Ziebarth Company; and authorize the General Manager to award a Professional Services Agreement to Geoscience Support Services, Inc. in the amount of \$55,399 for the Wells 21 and 22 Wellhead Facilities project 10286 (1081).

14. WELLS 21 AND 22 DESALTER PROJECT IMPACT ANALYSIS AND
MITIGATION PLAN

Recommendation: that the board authorize the general manager to execute an Engineering Services Agreement with Geoscience in the amount of \$99,801 for preparation of the Wells 21 and 22 Groundwater Treatment Project Impact Analysis and Mitigation Plan, project 10286 (1081).

15. MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION
AND FLOOD PROTECTION IMPROVEMENTS CONTRACT CHANGE
ORDER AND EXPENDITURE AUTHORIZATION

Recommendation: That the Board approve Contract Change Order No. 49 to install indicator piles for the proposed biosolids facilities in the amount of \$318,886.24, with J. R. Filanc Construction Company for the Michelson Water Recycling Plant Phase 2 Expansion project 20214 (1599) and 30214 (1706); and approve an Expenditure Authorization in the amount of \$336,000 for Michelson Water Recycling Plant Biosolids and Energy Recovery Facilities, project 20847 (1617).

OTHER BUSINESS

Pursuant to Government Code Section 54954.2, members of the Board of Directors or staff may ask questions for clarification, make brief announcements, make brief reports on his/her own activities. The Board or a Board member may provide a reference to staff or other resources for factual information, request staff to report back at a subsequent meeting concerning any matter, or direct staff to place a matter of business on a future agenda. Such matters may be brought up under the General Manager's Report or Directors' Comments.

16. A. GENERAL MANAGER'S REPORT

B. DIRECTORS' COMMENTS

1)

2)

3)

4)

5)

OTHER BUSINESS - Continued

16. C. CLOSED SESSION:

Relative to Public Employee Appointment/Employment – Government Code Section 54957.
Title: General Manager.

D. OPEN SESSION:

- 1) Reporting of any Action(s) as determined in Closed Session:
 - A) Appointment/employment of General Manager
- 2) (If action is taken/reported) Setting compensation for General Manager

E. ADJOURNMENT

* * * * *

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the Irvine Ranch Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board of Directors are available for public inspection in the District's office, 15600 Sand Canyon Avenue, Irvine, California ("District Office"). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available from the District Secretary of the District Office at the same time as they are distributed to Board Members, except that if such writings are distributed one hour prior to, or during, the meeting, they will be available at the entrance to the Board of Directors Room of the District Office.

The Irvine Ranch Water District Board Room is wheelchair accessible. If you require any special disability-related accommodations (e.g., access to an amplified sound system, etc.), please contact the District Secretary at (949) 453-5300 during business hours at least seventy-two (72) hours prior to the scheduled meeting. This agenda can be obtained in alternative format upon written request to the District Secretary at least seventy-two (72) hours prior to the scheduled meeting.

WORKSHOP

IRVINE RANCH WATER DISTRICT GOALS AND PRIORITIES

SUMMARY:

Staff has updated the IRWD Target Activities Priorities List for the Board to review, comment, and provide direction as appropriate. The Priorities List is a planning tool used to prioritize the tasks being performed by District staff. Also attached for the Board's review and comment is the updated Target Activities Descriptions document, which provides more detailed information regarding each activity.

BACKGROUND:

2011 IRWD Goals and Objectives:

The draft 2011 IRWD Goals and Objectives were presented to the Board at its Strategic Planning Workshop on January 14, 2011. In addition to several ongoing strategic initiatives that were carried over from the 2010 Goals and Objectives, this draft document included a number of new strategic initiatives proposed for the calendar year 2011. The Board reviewed, commented and adopted the 2011 IRWD Goals and Objectives which is provided as Exhibit "A".

IRWD Target Activities for the Current Quarter:

Staff has included an updated version of the IRWD Target Activities Priorities List. This draft list, attached as Exhibit "B", was designed to incorporate the items stipulated in the final version of the 2011 IRWD Goals and Objectives. This draft also includes the changes to the Priorities List as requested by the Board on June 17, 2011; updates to the Priorities List since this version are noted in bold (for new) and strike-out (for remove).

The following is a summary of the revisions to the Priorities List being proposed:

- Move: 44. San Diego Creek Flood Protection Improvements (move from Tier 1 to Tier 3)
- Add: 90. IRWD Enterprise Asset Management System (new to Tier 2)
- Add: 91. IRWD Large-Scale Solar Power Project (new to Tier 2)

Staff also recommends removing the following items from the Priorities List because they have been completed:

- Delete: 69. MWDOC Governance
- Delete: 85. Purchase of Land behind Prado Dam
- Delete: 88. Temporary CORF Exemption for MWRP Shutdown Flows to OCSD

RECOMMENDATION:

THAT THE BOARD REVIEW AND DISCUSS THE PROPOSED TARGET ACTIVITIES PRIORITY LIST AND PROVIDE DIRECTION, AS APPROPRIATE.

LIST OF EXHIBITS:

Exhibit "A" – 2011 IRWD Goals and Objectives
Exhibit "B" – Draft Update to Target Activity Priorities List
Exhibit "C" – Draft Update to Target Activity Descriptions

Exhibit "A"

Irvine Ranch Water District 2011 Goals and Objectives

Adopted: January 14, 2011

Strategic Objectives: Water Reliability, Cost Effectiveness, Innovation

IRWD Groundwater Development Program:

- Complete the water quality testing, environmental permitting, design and construction of groundwater production facilities and well head treatment, as required, to meet or exceed IRWD's allowable Basin Production Percentage. Proceed with the following projects identified as first tier priorities in the Groundwater Work Plan:
 - Wells 21 and 22;
 - Lake Forest Well 2;
 - Well 78; and
 - Well 107.
- Complete feasibility study and initiate design of system interconnections and potential shared well production capacity with Santa Ana, Newport Beach, and Mesa Consolidated Water District to improve regional water system reliability;
- IRWD to participate in discussions to encourage more availability of replenishment water locally and for IRWD water banking efforts;
- Work with OCWD to complete and circulate for public comment a draft environmental document regarding the annexation of additional areas of IRWD into OCWD; and
- Develop strategy for the inclusion of recycled water demands in OCWD's calculation of the Basin Production Percentage.

IRWD Water Banking Program:

- Develop and execute a Delivery Agreement between Dudley Ridge Water District, California Department of Water Resources and Metropolitan Water District of Southern California (MWD) for executing unbalanced exchanges of IRWD's Jackson Ranch allocation of State Water Project (SWP) water to the Strand Ranch Integrated Water Bank;
- Develop and gain approval of a template Wheeling Agreement between IRWD and MWD for exchange delivery of non-SWP water from the Strand Ranch to IRWD's service area;
- Successfully wheel (through MWD) 1,000 AF of Kern River Water from the Strand Ranch to IRWD's service area for the purposes of exercising the exportability of the water and the Wheeling Agreement with MWD;
- Execute an agreement with Rosedale-Rio Bravo Water Storage District for the lease of added storage capacity to be incorporated into the Strand Ranch Integrated Banking Project;
- Negotiate terms of an exchange agreement with a Central Valley Project contractor to secure a wet year water supply to the Stockdale West Ranch water banking project; and
- Complete construction of the extraction wells, pipelines and Cross Valley Canal turn-ins for the groundwater recovery facilities on the Strand Ranch.

Baker Plant Water Treatment Plant:

- Complete the final design of the Baker Water Treatment Plant and solicit bids for construction;
- Complete agreements among project participants to buy/sell ownership rights in the Baker Pipeline to be consistent with ownership capacities of the Baker Water Treatment Plant; and
- Obtain MWD Board approval of the terms and conditions for pumping into the Allen McCulloch Pipeline (AMP) that are satisfactory to the agencies participating in the Baker Plant Project.

IRWD 2011 Goals and Objectives

Adopted: January 14, 2011

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Irvine Lake:

- Update the methodology used to account for evaporative losses for water stored in Irvine Lake, execute an amended agreement between IRWD and SWD to reflect the new methodology, and apply the methodology prospectively; and
- Continue to monitor and control the growth of *quagga* mussels in Irvine Lake and evaluate new monitoring and eradication methods that emerge from water industry research efforts.

Strategic Objectives: Sewer Reliability, Cost Effectiveness, Environmental Commitment, Innovation

Biosolids Handling:

- Continue with final design and CEQA for the biosolids dewatering and disposal facilities at the MWRP to process biosolids for MWRP, Los Alisos Water Recycling Plant and the South Orange County Wastewater Authority;
- Monitor biosolids handling efforts in other communities including Rialto, north San Diego (Encina), etc.;
- Integrate innovative and cost effective (life cycle) design features into biosolids project; and
- Negotiate and execute a project participation agreement with SOCWA and its participating member agencies for operating and capital costs associated with the disposal of dewatered biosolids at the MWRP.

San Diego Creek Flood Protection for Michelson Water Recycling Plant:

- Complete construction of 200-year flood wall to protect the Michelson Water Recycling Plant (MWRP); and
- Continue to advocate and create and administrative record of the County of Orange's responsibilities to perform maintenance in San Diego Creek to maintain flow capacity while continuing to seek full or partial funding reimbursement from the County of Orange.

Wastewater Treatment, Disposal and Recycled Water Supply Optimization:

- Continue to implement comprehensive wastewater management strategy to minimize flows to OCSD including:
 - Continue with construction of proposed capacity upgrades at MWRP to 28 MGD; and
 - Negotiate terms and conditions and execute an amended and restated agreement with OCSD and OCWD for the Green Acres Project (GAP); and
- Complete the integration of Syphon Reservoir in its existing configuration, complete the geotechnical feasibility study, and begin the environmental analysis of the reconfigured Syphon Reservoir.

Sewer System Reliability Improvements:

- Update IRWD Sewer Emergency Response Plan to include the most up-to-date information regarding the collections system and the watershed in which key facilities are located. The update will also identify where the collections system is vulnerable to failure and assess the probable impacts from such a failure to the environment and to public safety, with zero tolerance for sewer spills;
- Conduct annual training for deployment of containment equipment; and
- Develop and implement a sewer pipe damage evaluation system for non-emergency repairs.

IRWD 2011 Goals and Objectives

Adopted: January 14, 2011

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Strategic Objective: Water Quality, Innovation

Research Business Plan:

- Identify and evaluate optimum methods for controlling nitrification in the potable water system, including using chlorite for disinfection and a modified reservoir mixing system; and
- Continue to identify and evaluate new research opportunities and innovative technologies to improve IRWD's ability to provide services safely, reliably, and cost effectively.

Strategic Objective: Employee Satisfaction/Development, Cost Effectiveness

Safety Awareness Program:

- Successfully transition from the current Safety Incentive Program to an enhanced Safety Awareness Program, components of which include:
 - Installation of electronic safety bulletin boards in areas of high employee traffic streaming information such as: high heat and other weather warnings, road closures and traffic alerts, changes in security alert levels, and accident-free departments;
 - Purchase of additional personal protective equipment customized to different tasks performed by employees; and
 - Enhanced recognition of employees that are working safely in challenging conditions.

Succession Planning:

- Promote and manage active implementation of the key components of the IRWD Succession Plan to effectively align employee career development with IRWD's goals and objectives;
- Complete a four-year manpower plan including a gap analysis of manpower needs to continue effective operation of the District's existing and future facilities; and
- Continue partnerships with outside entities to promote careers in the water / wastewater industry (e.g., Santiago Canyon College, CORO) and to assist in growing our current employees for future promotional opportunities (e.g., Leadership Tomorrow and Leadership Development for Public Agencies sponsored by California State University, Fullerton).

Pension Benefit Reform:

- Continue to identify and implement strategic opportunities to reduce the District's unfunded liability and costs for the current CalPERS pension benefit;
- Research and identify alternative retirement and benefit programs or structures for future IRWD employees; and
- Following the policy principles established by the Board in June 2010, advocate for appropriate pension reform to eliminate pension spiking or other similar practices that are financially detrimental to the District and the CalPERS system.

Strategic Objective: Cost Effectiveness

Enterprise Resource Planning Software Implementation:

- Complete Phase 1 of the Oracle eBusiness Suite Enterprise Resource Plan (ERP) implementation for financial and human resources applications; and
- Complete a four-year Applications Strategic Plan for utility billing, asset management, customer relationship management, and budgeting / business intelligence.

IRWD 2011 Goals and Objectives

Adopted: January 14, 2011

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State and Federal Funding:

- Secure federal funding authorization under a re-authorized Water Resources Development Act (WRDA) for Army Corps of Engineering funding for the Syphon Reservoir Recycled Water Storage project; and
- Continue to seek grants for the San Diego Creek floodwall, recycled water system expansion, Baker Water Treatment Plant, groundwater system interconnections project, and other key projects through federal stimulus funding (distributed through State Clean Water Revolving Fund Program) and other sources.

IRWD Debt Financing:

- Establish accounting practices to properly report interest payments and subsidy receipts associated with the \$175 million 2010 Bond Issuance, unique to the requirement of the Build America Bonds;
- Restructure IRWD's variable rate debt portfolio as the letters of credit on approximately \$390 million set to expire in 2011; and
- Adopt policy principles and strategy for long-term capital funding including replacements and consolidation of improvement districts.

Real Estate Asset Development:

- Lake Forest Property:
 - Obtain tentative tract map approval and begin final tract map approval process; and
- Sand Canyon Office Development:
 - Complete negotiations and execute lease agreement with Phase 1 primary tenant; and
 - Solicit construction bids and initiate construction for the Phase 1 office building and site improvements.

Strategic Objectives: Environmental Commitment, Innovation

Natural Treatment Systems (NTS):

- Develop components of Natural Treatment System including:
 - Approval of a successful cost-sharing strategy, construction and operation of the full-scale Cienega Selenium Removal Facility in conjunction with funding partners within the watershed;
- Continue to work with partners in Newport Bay Executive Committee to develop and implement the elements of the Nitrogen Selenium Management Plan; and
- Prepare an Annual Report of NTS Operations including nutrient removal performance at each NTS facility, operational issues, and recommendations for potential adaptive changes to the NTS program.

Energy and Climate Action Master Plan:

- Develop a Energy and Climate Action Master Plan that identifies the following goals:
 - Reducing IRWD's greenhouse gas (GHG) emissions;
 - Identifying energy efficiency improvements through the District; and
 - Developing renewable energy programs.
- Complete technical peer review and implement inter-agency project participation marketing plan for Carbon Sequestration wetlands program in Delta.

IRWD 2011 Goals and Objectives

Adopted: January 14, 2011

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Water Conservation Programs:

- Implement enhanced outreach programs, including IRWD's program;
- Complete and submit final reports for the Residential End Use Study and the ET Data Protocol grant projects to the Department of Water Resources;
- Participate in the U.S. Bureau of Reclamation's Conservation Rate Study;
- Develop and implement pilot water-energy conservation programs in partnership with Southern California Edison and the Gas Company; and
- Complete the analysis of IRWD's compliance with water use efficiency legislation and submit the required reporting as part of IRWD's Urban Water Management Plan.

Recycled Water Customer Development:

- Complete development of the on-line site supervisor training for recycled water customers; and
- Obtain approval from Newport Beach to convert the cooling towers at Gas Recovery System to recycled water.

Strategic Objectives: Communication, Customer Satisfaction

Public Affairs/Interagency Coordination/Legislation:

- Implement legislation as developed by staff and approved by the Board, and conduct advocacy activities on legislation affecting the water industry's and IRWD's interests, including but not limited to:
 - *Sewer System Implementation*: Sponsor legislation that provides IRWD with authority to use a voluntary tax assessment to finance the cost of on-site septic system conversion work at the customer's request;
 - *Water Transfers*: Work with ACWA, MWD and other stakeholders to develop principles, recommendations for the new Administration and potentially introduce water transfer legislative to streamline short-term transfers, facilitate transfers between state and federal systems, and address groundwater substitution and third party impact concerns;
 - *Public Goods Charge for Water*: If legislation for a public goods charge for water is introduced, work with key Legislators and industry associations to oppose or exempt water providers that have implemented a allocation-based rate structures
 - *Property Tax Shifts*: As the Governor and state legislature looks for ways to balance the state budget, monitor proposals that shift revenues away from counties and redevelopment agencies that could impact special districts.
 - *Water Governance*: Advocate, as appropriate, on bills related to statewide water governance proposals as detailed in the Little Hoover Commission report "Managing for Change: Modernizing California's Water Governance"; and
 - *Water Recycling*: Support WaterReuse California on SB 918 implementation, Title 22 and Title 17 updates, AB 1366 implementation and Water and Health and Safety Codes updates.

Enhanced Communication and Education Programs:

- IRWD 50th Anniversary: implement a year-long outreach program educating customers on the history, services, innovation and 50 years of value provided by IRWD;

IRWD 2011 Goals and Objectives

Adopted: January 14, 2011

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- Implement an on-line water use efficiency training program that can be integrated into the customer bill adjustment process;
- Complete enhanced communications with customers, including “Always Water Smart”, through targeted news media outreach and public communications program such as:
 - Enhanced news blog “Liquid News”;
 - Electronic news release distribution;
 - “Always Water Smart” news blog features;
 - Video news program;
 - Developing proactive relationships with traditional news media and “new media” reporters; and
 - Rollout of redesigned “news” section of IRWD website;
- Partner with Discovery Science Center on the development of Water Conservation Gardens and Water Education Pavilion at Discovery Gardens at the Great Park, facilities that will complement IRWD’s education program at the San Joaquin Marsh; and
- Implement a pilot of “Operation GreenFill”, a water bottle filling station project with the County of Orange Parks Department to educate customers about water quality and promote environmental stewardship.

Customer Service Initiatives:

- Continue to expand the customer communications tools via www.IRWD.com including the implementation of the “Code Red” emergency notification system to include the ability for customers to choose their method of contact during an emergency;
- Develop and implement a web-based option for customers to initiate and terminate service;
- Develop and implement a web based on-line Customer Survey feature to improve the number of survey responses and measurement data;
- Complete the telephone system replacement and implementation of additional options for customers placing calls to IRWD, improving call efficiency and customer satisfaction; and
- Increase the use of website options such as e-bill, automated payments, account balance status, usage history, and other services to increase customer utilization and reduce incoming phone calls.

Strategic Objectives: Customer Satisfaction, Water Reliability, Sewer Reliability

Orange Park Acres Rate Area:

- Complete the construction of water infrastructure facilities as identified in the Sub-Area Master Plan to improve the system reliability and fire protection service in OPA; and
- Develop a sewage collection system financing and implementation plan for OPA, subject to Board approval and community support. Components of the plan for 2011 include:
 - Developing an acceptable financing strategy (for both the public system and private system improvements);
 - Engage and secure community support through an outreach program communicates both the benefits and costs of implementing a sewer system in OPA; and
 - If approved, initiation of final design of the collection system and related improvements.

EXHIBIT "B"
IRVINE RANCH WATER DISTRICT
Target Activity Priorities List DRAFT dated October 7, 2011

(Changes recommended by staff shown in **bold**)

Priorities are assigned on this date based on urgency, value, resource availability, and connection to IRWD's critical business factors and strategic objectives. They are subject to modification as conditions change.

Estimated Completion Date	Status	Tiers		Activity This Quarter
		Tier 1 = Highest Importance	Tier 2 = Important	Tier 3 = As Time Permits
				Completed Significant Progress Made Limited Progress Made No Progress Made
		Tier 1		
Ongoing	SPROG	7.	IRWD Groundwater Development Program	
Ongoing	SPROG	9.	IRWD Water Banking Program	
Apr 2015	SPROG	53.	Biosolids Handling and Energy Recovery Facilities	
Sep 2012	SPROG	61.	MWRP Phase 2 Expansion	
Jan 2014	SPROG	62.	Baker Water Treatment Plant	
Jun 2012	SPROG	80.	Integration and Enlargement of Syphon Reservoir – Phase 1	
Jun 2012	SPROG	82.	Wells 21 & 22 Desalter Project	
Jun 2012	SPROG	83.	Include Recycled Water Demands in OCWD Total Demand Calc	
Jun 2011	SPROG	86.	Update Irvine Lake Evaporation Methodology	
Jan 2012	SPROG	87.	IRWD Retirement and Benefits Study	
Aug 2011	COMPL	88.	Temporary CORF Exemption for MWRP Shutdown Flows to OCSD	
		Tier 2		
Jun 2012	SPROG	4.	Orange County Water District Annexation	
Ongoing	SPROG	16.	Water Policy Legislative Advocacy/Analysis	
Ongoing	SPROG	20.	Water Conservation Business Plan Implementation	
Dec 2011	SPROG	52.	Long-Term GAP Service Opportunities	
May 2012	SPROG	67.	Orange Park Acres Water and Sewer Improvements	
Ongoing	SPROG	71.	Ocean Desalination	
Ongoing	LPROG	73.	Second Lower Cross Feeder	
Dec 2011	SPROG	78.	Financial Reporting and Control System Upgrade Project	
Mar 2012	SPROG	79.	Carbon Footprint Mitigation Strategies	
Ongoing	SPROG	81.	Integrated Media Outreach and Customer Communications Plan	
Ongoing	SPROG	89.	IRWD Investment Assets Optimization	
Dec 2012	SPROG	90.	IRWD Enterprise Asset Management System	
Dec 2014	LPROG	91.	IRWD Large-Scale Solar Power Project	
		Tier 3		
Ongoing	SPROG	12.	Property Tax Shift and Replacement Fund Protection	
Ongoing	SPROG	17.	San Joaquin Marsh Management / Facilities Expansion	
Ongoing	SPROG	18.	Recycled Water Retrofits	
Jan 2012	SPROG	26.	SCADA Improvements – Transdyn Replacement Project	
Jun 2012	SPROG	44.	San Diego Creek Flood Protection Improvements (from Tier 1 to Tier 3)	
Ongoing	SPROG	49.	Succession Plan Implementation	
Ongoing	SPROG	50.	Countywide Urban Runoff Governance and Funding	
Ongoing	LPROG	63.	El Toro Base Utilities and Great Park Coordination	
Dec 2012	SPROG	65.	San Diego Creek Selenium Issues and Cienega Project	
Jun 2011	COMPL	69.	MWDOC Governance	
Ongoing	SPROG	85.	Purchase of Land behind Prado Dam	

EXHIBIT "C"

IRVINE RANCH WATER DISTRICT 2011 TARGET ACTIVITIES DESCRIPTIONS Updated October 7, 2011 * Proposed List *				
	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
4.	<p><u>Orange County Water District (OCWD) Annexation</u> Annex portions of IRWD that are in the Orange County Basin watershed into OCWD to facilitate the production of additional groundwater. In February 2010 IRWD submitted a revised application for annexing territory into OCWD. OCWD executed a memorandum of understanding with Anaheim, Yorba Linda Water District and IRWD to initiate the process for negotiating annexation agreements with these agencies and to develop the CEQA documents pertaining to the annexations. OCWD is currently preparing a Notice of Preparation for the environmental documents Draft Environmental Impact Report pertaining to the proposed annexations.</p>	WRP	Heiertz	Tier 2 06/2012 SPROG
7.	<p><u>IRWD Groundwater Development Program</u> Develop additional wells to meet the District's groundwater production goals. Staff presented the Groundwater Work Plan to the Board in September 2009, in which various groundwater development projects were described, analyzed and then divided into three groups: "near-term," "mid-term," and "long-term." Staff is proceeding with implementation of the following "near-term" projects: Well TL-1A, Wells 21 and 22, and the re-drilling of wells 78, 107 and Lake Forest Well 2.</p>	WRP E & O	Heiertz / Burton	Tier 1 Ongoing SPROG

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
9.	<p><u>IRWD Water Banking Program</u> Staff is focusing its efforts on the following activities:</p> <ul style="list-style-type: none"> • Complete design and construction of the recovery pipelines, wellheads and Cross Valley Canal turn-ins for the groundwater recovery facilities at the Strand Ranch Integrated Banking Project; • Complete construction of the interim Stockdale West Ranch Recharge Facilities; • Successfully recharge (by the end of 2011) 10,000 AF of high-flow Kern River water at the Stockdale West Ranch Pilot Project and 17,500 AF at the Strand Ranch Integrated Banking Project • Successfully recharge 5,000 AF of AVEK's 2011/2012 SWP water at the Strand Ranch Integrated Banking Project; • Negotiate and implement an unbalanced exchange program agreement with Carpinteria Valley Water District; • Negotiate a long-term agreement with Rosedale-Rio Bravo Water Storage District for the joint use and operation of the Stockdale West Ranch and Rosedale's Enos Property; • Negotiate long-term water supply agreements for the Stockdale West Ranch; and • Execute the Wheeling Agreement with Metropolitan Water District of Southern California for the recovery and delivery (by exchange) of Non-SWP water from the Strand Ranch Integrated Banking Project to IRWD's service area. 	Water Banking Ad Hoc	Heiertz	Tier 1 Ongoing SPROG

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
12.	<u>Property Tax Shift and Replacement Fund Protection</u> Continue to play an active role in the protection of IRWD's property taxes under Proposition 1A and in the protection of IRWD's reserves. Keep the Board informed of any developments, and propose / implement strategies for protecting IRWD interests.	F & P	Cherney / Beeman	Tier 3 Ongoing SPROG
16.	<u>Water Policy Legislative Advocacy/Analysis</u> Continue to participate and play an active role in water and sewer industry professional organizations to develop policy advocacy partnerships. Monitor water policy issues at the federal, state, and local levels. Includes coordination with and exposure to local legislative representatives and advocacy efforts supported by the District's lobbying team in Sacramento and in Washington, DC. Work with other agencies and professional organizations to develop acceptable urban water conservation legislation.	WRP	Beeman	Tier 2 Ongoing SPROG
17.	<u>San Joaquin Marsh Management / Facilities Expansion</u> Actively manage implementation of various projects and programs to ensure the San Joaquin Marsh continues to function as an effective runoff treatment facility and to be recognized as a community environmental education center.	E & O WRP	Pedersen / Beeman	Tier 3 Ongoing SPROG

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
18.	<u>Recycled Water Retrofits</u> Continue conversion of dual-plumbed commercial buildings to recycled water in the IBC and other areas. Use IRWD recycled water grant program funds as appropriate to facilitate conversions.	WRP	Heiertz	Tier 3 Ongoing SPROG
20.	<u>Water Conservation Business Plan Implementation</u> Continue implementation of Business Plan elements: <ul style="list-style-type: none"> • Policy Leadership • Rate Structure Improvements, including adjustments to customer allocations • Focused Customer Interface • Education/Outreach Initiatives • Research and Technology Advancement • Tactical Conservation Measures • Incentive programs funded, primarily by IRWD 	WRP	Heiertz	Tier 2 Ongoing SPROG
26.	<u>SCADA Improvements – Transdyn Replacement Project</u> Project to replace the Transdyn SCADA control system HMI for operation of the potable and non-potable water distribution systems is underway. Retrofit of SCADA devices to be completed in subsequent phases. Project approach has been modified to include utilization of the most current software and replacement of outdated SCADA devices.	E & O	Burton	Tier 3 01/2012 SPROG

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
44.	<p><u>San Diego Creek Flood Protection</u> Continue to work with County leaders and staff to ensure encourage them to reestablish 100-year flood carrying capacity in San Diego Creek. FEMA issued the Conditional Letter of Map Revision (CLOMR) in September 2010. Proceeding with the capital project to construct flood protection improvements around the MWRP. FEMA will issue Letter of Map Revision (LOMR) to remove MWRP from flood zone upon completion of construction.</p>	E & O	Heiertz / Burton	Tier 1 06/2012 SPROG
49.	<p><u>Succession Plan Implementation</u> Continue ongoing implementation of the IRWD Succession Plan to identify future gaps in specialty, professional and managerial personnel. This plan will identify potential successors for key positions and develop individual career plans for candidates to prepare them for movement into more senior positions to minimize disruption to our business while maintaining management and skill continuity. As part of this planning process, a four-year manpower plan will be developed which will also take into consideration the addition of new IRWD facilities and processes. Training programs will continue to be conducted for employees participating in the IRWD Mentor Program.</p>	F & P	Wells	Tier 3 Ongoing SPROG

IRVINE RANCH WATER DISTRICT
 2011 TARGET ACTIVITIES DESCRIPTIONS

Updated October 7, 2011

Page 6 of 15

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
50.	<p><u>Countywide Urban Runoff Governance and Funding</u> Actively participate in County-formed task force of Orange County cities, water and wastewater agencies to evaluate options for governing and funding the various efforts to reduce and clean up urban runoff. Advocate San Diego Creek Watershed Governance Model, and funding from various sources including Measure M. City general fund, special districts and voter-approved assessments (future).</p>	WRP	Cook	Tier 3 Ongoing SPROG
52.	<p><u>Long-Term GAP Service Opportunities</u> Conclude negotiations with OCSD and OCWD to revise the GAP agreement to improve IRWD's ability to provide surplus recycled water to the GAP system. Draft agreement is complete. Agreement will be considered by OCWD, OCSD, and IRWD Boards in November 2011.</p>	E & O	Heiertz	Tier 2 12/2011 SPROG
53.	<p><u>Biosolids Handling and Energy Recovery Facilities</u> IRWD's goal is to be self reliant in biosolids processing by 2015. An agreement between OCSD and IRWD for the continued interim use of OCSD biosolids facilities through 2016 was executed in April 2010. Final design of the biosolids handling and energy recovery facilities is expected to be complete in January May 2012. Construction is expected to be complete by September 2014 April 2015.</p>	E & O	Burton	Tier 1 09/2014 04/2015 SPROG

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
61.	<u>MWRP Phase 2 Expansion</u> Construct improvements to increase capacity at the MWRP from 18 MGD to 28 MGD. Construction to be completed by September 2012.	E & O	Burton	Tier 1 09/2012 SPROG
62.	<u>Baker Water Treatment Plant</u> An agreement between participating water agencies in south Orange County regarding ownership in the project was executed in January 2009. Final design is expected to be complete in October 2011 March 2012 . Microfiltration membrane procurement was authorized in April 2010. Construction is expected to be complete by June 2013 January 2014 .	E & O	Burton	Tier 1 06/2013 01/2014 SPROG
63.	<u>El Toro Base Utilities and Great Park Coordination</u> The planning process for Great Park Neighborhoods development and the Great Park has begun and IRWD is an active participant in this process. The Revised Sub-Area Master Plan for this area is complete and includes an evaluation of the water and sewer demands and the infrastructure needs for this new development. Staff is also participating in discussions with the developer and the City of Irvine promoting the use of recycled water and the inclusion of water conserving devices and practices.	WRP	Heiertz	Tier 3 Ongoing SPROG

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
65.	<p><u>San Diego Creek Selenium Issues and IRWD Cienega Project</u> The Cienega Demonstration Project (ABMet) is complete and decommissioned. The original Cienega selenium and nitrogen removal facilities remain operational. These facilities will remain operational until at least December 2012 per agreement with the City of Irvine. CALTRANS, the County of Orange and the Cities of Irvine and Tustin have expressed interest in a selenium diversion project to OCSD along Peters Canyon Wash.</p>	WRP	Hills / Heiertz / Pedersen	Tier 3 12/2012 SPROG
67.	<p><u>Orange Park Acres Water and Sewer Improvements</u> Staff has developed a list of “next steps” to address the water and sewer needs for the OPA community. A water and sewer Sub-Area Master Plan has been developed in parallel with the design and construction of interim improvements to increase fire flow in OPA. Numerous upgrade projects have been completed to improve fire flow in the area. The design of the balance of the water infrastructure improvement projects will be completed by in July 2011. Construction of the infrastructure improvements is expected to be complete by March May 2012. Staff is also developing the implementation plan for public outreach, financing, and constructing sewers in OPA. The first community outreach meeting was conducted in April 2011 and the second will be on June 20, 2011. The proposed project is now on the IRWD website with a special section with updates, project material and meeting notices. Information is also posted on the OPA website. After these meetings staff will begin smaller community meetings for specific issues. The effort to finance and construct a community sewer in the OPA area has been suspended for now, and staff will be working with individual homeowners to implements connections to existing sewers where practical.</p>	E & O	Heiertz / Burton / Beeman	Tier 2 03/2012 05/2012 SPROG

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
69.	<p><u>MWDOC Governance</u> The MWDOC Governance Study was completed in September 2009. Terms and conditions for an agreement under which MWDOC would operate under a revised wholesale service model were approved by the IRWD Board in April 2010. A final agreement has been negotiated with MWDOC; final approval by the IRWD Board is pending.</p>	WRP	Jones	Tier 3 06/2011 SPROG COMPL
71.	<p><u>Ocean Desalination</u> Poseidon Resources is proposing the construction of a 50 MGD ocean water desalination facility in Huntington Beach, and has approached several agencies in Orange County regarding participation in the project. A group of managers from . Ten public water districts and cities have agreed to negotiate with Poseidon as a consortium. The consortium has executed an MOU with Poseidon that provides a framework for the negotiations and protects the interests of the public agencies during the negotiation process with Poseidon. The OC consortium requested that Poseidon delay negotiations until Poseidon had finalized the water purchase agreement with the San Diego County Water Authority (SDCWA). In October 2011 Poseidon updated the consortium on their progress with SDCWA and expects the agreement finalize that purchase agreement later this year.</p>	WRP	Heiertz	Tier 3 Ongoing SPROG
73.	<p><u>Second Lower Cross Feeder</u> Staff is engaging MWDOC and other water agencies to encourage the development of the Second Lower Feed to improve water supply reliability for IRWD and other areas of southern Orange County.</p>	E & O	Heiertz	Tier 2 Ongoing LPROG

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
78.	<p><u>Financial Reporting and Control System Upgrade Project</u> Staff has begun implementation of the Oracle E-Business Suite. The full implementation of the Phase 1 scope, including Financials, Human Resources, and Business Intelligence applications, will be in being completed in two waves. Both waves are now “live” and are in the stabilization process with Procurement and implementation expected to be fully completed concluding by December 2011. The expected results include better and more accessible information, visibility and accountability, and staff efficiency and focus. Customer Relationship Management and Utility Billing have been purchased and an RFP will be issued for implementation services starting in late 2011 the District is in the process of an RFP for detailed design and interface specifications. Once detailed design is completed, an additional RFP for implementation services will be issued, with an expected completion of June late 2013. In the coming months, Staff will also be evaluating the benefits of implementing additional Oracle modules for Asset Management, and Budgeting and Planning.</p>	F & P	Cherney	Tier 2 12/2011 SPROG
79.	<p><u>Carbon Footprint Mitigation Strategies</u> Staff is proceeding with the development of an Energy and Climate Action Greenhouse Gas Master Plan.</p>	WRP	Heiertz	Tier 3 09/2011 03/2012 SPROG

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
80.	<p><u>Integration and Enlargement of Syphon Reservoir – Phase 1</u> The primary benefit of this facility would be to facilitate storage of recycled water during low-demand periods (winter) so that supplemental water would not need to be purchased during high demand periods (summer). IRWD procured this facility in January 2010. Preliminary design and environmental permitting of the reconstructed and expanded reservoir began in November 2010. IRWD continues to develop funding support for this project through WRDA.</p>	E & O	Heiertz	Tier 1 06/2012 SPROG
81.	<p><u>Integrated Media Outreach and Customer Communications Plan</u> Enhance communications with customers through a targeted media outreach and customer communications program. Includes integrated communications infrastructure, multi-faceted IRWD news blog, proactive media relations and customer relationship programs and revamped communications programs and tools. The plan includes eight specific modules and is a two year effort. To date significant progress has been made in these areas:</p> <ul style="list-style-type: none"> • Multi-pronged social media program, including videos • Established online news blog and news bureau (Liquid News) to go live July 2011 • Over 130 IRWD News stories posted online each week • Self help videos for Customer Service and Conservation • Web-based online Emergency Alert System (CodeRed) • Web-based customer service requests • Updated customer service brochures 	WRP	Beeman	Tier 2 Ongoing SPROG

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
82.	<p><u>Wells 21 and 22 Desalter Project</u> Groundwater produced from Wells 21 and 22 requires treatment for the removal of dissolved solids (nitrates and hardness). The project includes the construction of a treatment plant and pipelines in Tustin. The design/build contract for the treatment plant was awarded in June 2010. The pipeline was awarded in May 2011 and the wellhead facilities will be was awarded in July 2011. Staff has been coordinating with:</p> <ul style="list-style-type: none"> • OCWD to secure a BEA exemption for Wells 21 and 22; • OCSD regarding the disposal of brine in the sewer; • MWD for Local Resources Program funding; • Tustin regarding actual impacts attributable to the resumed production of groundwater from Wells 21 and 22; and • The Bureau of Reclamation regarding the grant funding awarded through the ARRA Program. 	E & O	Burton	Tier 1 06/2012 SPROG
83.	<p><u>Inclusion of Recycled Water Demands in OCWD's Total Water Demand Calculation</u> OCWD's current practice is to exclude recycled water demands from the calculation of "total water demands" for groundwater producer agencies. This exclusion does not recognize agencies' efforts to promote the use of recycled water, which offsets demands for imported potable water, in effect penalizing these agencies by lowering the amount of groundwater that each agency is allowed to produce in order to stay within the Basin Production Percentage. IRWD staff is working with OCWD to modify this practice. The OCWD Board will be encouraged to adopt a policy including recycled water in a groundwater producer's total demands.</p>	WRP	Heiertz	Tier 1 06/2012 SPROG


	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
85.	<p><u>Purchase of Land Behind Prado Dam</u> The next step in increasing the flood control capacity of Prado Dam involves purchasing land and constructing protective dikes, floodwalls and levees within the basin to protect property and infrastructure from inundation during flooding events. Following completion of these protective measures, the spillway elevation could be increased by 20 feet. The increased spillway elevation may allow OCWD to expand the Conservation Pool behind Prado Dam to capture additional storm flows for groundwater recharge. IRWD staff will work with the U.S. Army Corps, the County of Orange, and OCWD to promote and facilitate the purchase of land and installation of flood protection measures behind Prado Dam. Work on this item has been suspended until it becomes a higher priority for the County of Orange.</p>	WRP	Heiertz	Tier 3 Ongoing LPROG
86.	<p><u>Update Irvine Lake Evaporation Methodology</u> The current methodology used to account for evaporative losses at Irvine Lake is no longer valid due to changes in the operation of the reservoir which result in a significant overstatement of the losses. An updated methodology is needed to accurately estimate and allocate the losses.</p>	IRWD / Serrano Water District Ad Hoc Committee	Pedersen / Heiertz	Tier 1 06/2012 12/2011 SPROG
87.	<p><u>IRWD Retirement and Benefits Programs</u> As part of its ongoing efforts to minimize IRWD's financial exposure to escalating costs associated with retirement and health benefits, IRWD has begun a process to identify and evaluate potential alternative retirement and health benefit structures. Staff has received proposals from firms that could assist in this effort. A number of Board workshops are planned through this process to maximize input from the Board.</p>	F & P	Cherney / Wells	Tier 1 01/2012 SPROG

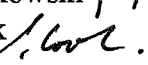
	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
88.	<p><u>Temporary CORF Exemption for MWRP Shutdown Flows to OCSD</u></p> <p>During the late summer and fall of 2011, a substantial amount of flow through the MWRP will need to be routed to the Orange County Sanitation as part of a system shutdown required as part of the MWRP Phase 2 Expansion Project. IRWD is working with OCSD to develop an agreement by which IRWD will not be required to pay CORF charges for this flow, which is temporary in nature. Staff expects to complete this agreement with OCSD in advance of the shutdown of the MWRP. Will extend MOU date as needed to account for construction delays.</p>	F & P	Heiertz / Posey	Tier 1 08/2012 SPROG COMPL
89.	<p><u>IRWD Investment Assets Optimization</u></p> <p>Part of IRWD's investment holdings includes real estate properties. Staff continues to develop and manage these assets in accordance with the District's investment objectives. IRWD has recently executed a lease agreement with Coastal Fertility Group and will begin began construction in July 2011 on Phase 1 of the property adjacent to the IRWD Sand Canyon offices. Staff has also been focusing efforts on the development of the tentative tract map for the Serrano Summit Project on IRWD property in the City of Lake Forest.</p>	Asset Management	Cherney	Tier 2 Ongoing SPROG

	ACTIVITIES	PRIMARY COMMITTEE	SENIOR MANAGEMENT LEAD	PROJECT STATUS
90.	<p><u>IRWD Enterprise Asset Management System</u> IRWD's Application Strategic Plan recommended the implementation of an Enterprise Asset Management (EAM) system to improve the District's ability to manage its assets from acquisition to retirement, providing tools for preventive and predictive maintenance, financial analysis, and reporting. In September 2011 a consultant team from EMA was retained to develop and implement a strategy for procuring an EAM system; this work is expected to be complete by December 2012.</p>	E & O	Cherney	Tier 2 12/2012 SPROG
91.	<p><u>IRWD Large-Scale Solar Power Project</u> IRWD has begun investigation of the feasibility for developing a large-scale (up to 20 MW) solar power project on its property in Kings County. A preliminary power grid interconnection study is now underway to evaluate the potential of a 140 acre project located on the Jackson Ranch property. If the interconnection study results are favorable, the information generated in the study will be incorporated into a Request for Proposals for the development of a solar facility on the Jackson Ranch, including potential public-private partnerships.</p>	Technology Ad Hoc	Heiertz	Tier 2 12/2014 LPROG

October 24, 2011

Prepared and

Submitted by: L. Bonkowski 

Approved by: P. Cook 

CONSENT CALENDAR

MINUTES OF REGULAR, ADJOURNED REGULAR
AND SPECIAL BOARD MEETINGS

SUMMARY:

Provided are the minutes of the October 7, 2011 Adjourned Regular Board Meeting, the October 10, 2011 Adjourned Regular Board Meeting, the October 10, 2011 Regular Board Meeting, and the October 17, 2011 Special Board Meeting.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE OCTOBER 7, 2011 ADJOURNED REGULAR BOARD MEETING, THE OCTOBER 10, 2011 ADJOURNED REGULAR BOARD MEETING, THE OCTOBER 10, 2011 REGULAR BOARD MEETING, AND THE OCTOBER 17, 2011 SPECIAL BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

- Exhibit "A" - October 7, 2011 Adjourned Regular Board Meeting
- Exhibit "B" - October 10, 2011 Adjourned Regular Board Meeting
- Exhibit "C" - October 10, 2011 Regular Board Meeting
- Exhibit "D" - October 17, 2011 Special Board Meeting

EXHIBIT "A"

MINUTES OF ADJOURNED REGULAR MEETING – OCTOBER 7, 2011

The adjourned regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 10:00 a.m. by President LaMar on October 7, 2011 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

Directors Present: LaMar, Matheis, Reinhart, Swan and Withers (arrived at 11:00 a.m.)

Directors Absent: None.

Also Present: Interim General Manager Cook, Senior Director of Finance Cherney, Senior Director of Operations Pedersen, Director of Engineering Burton, Director of Human Resources Wells, Director of Water Quality Hills, Secretary Bonkowski, Legal Counsel Arneson, Director of Water Resources Heiertz, Director of Public Affairs Beeman, Mr. Paul Weghorst, Mr. Jeff Mosher of National Water Research Institute, Mr. Yves McGale, Mr. Yannick Gagne, and Mr. Brad Au from Aon Hewitt, and Mr. Marcus Wu from Hanson Bridgett.

WRITTEN COMMUNICATION: None.

ORAL COMMUNICATION:

President LaMar said he wanted to get a consensus of the Board on whether a policy for tape recording workshops should be developed, as he learned after the previous workshop session on today's retirement and health benefits item, that it was recorded by Director Swan. Director Swan explained that the item taped related to the staff, committee and Board process for consultant selection discussed in detail in the workshop. Both Director Reinhart and Matheis expressed that if a meeting is taped, as a courtesy, all parties should be made aware at the beginning of the meeting. General Manager Cook said that the District Secretary was present and would be taking minutes during this workshop to summarize comments and actions, and was planning to be at future workshops if this was the pleasure of the Board. President LaMar said it was valuable to have the District Secretary present at the workshops. Following discussion, there was no consensus of the Board to pursue development of a policy.

President LaMar said that the District staff handles complex issues on a daily basis and wanted to recognize Interim General Manager Paul Cook and senior management for all of their efforts over the last three months since the departure of former General Manager Jones.

REVIEW AGENDA AND DESIRED OUTCOMES

Interim General Manager Cook reviewed the agenda and desired outcomes.

SOCIAL MEDIA OUTREACH PROGRAM UPDATE

Using a PowerPoint presentation, Director of Public Affairs Beeman provided an overview of the District's social media outreach program to date. Ms. Beeman discussed two-way communication, the social media landscape and engagement rules noting that the five principles to live by are honesty, transparency, balance, respect and to be real. Director Swan suggested also adding the words "be relevant". She noted that the District is currently active in various social media tools with the most effective being Twitter, Facebook, YouTube, and RSS Feed. Social media outreach examples were provided for emergency preparedness, customer service initiatives, and conservation/water use efficiency. In regard to emergency preparedness, a discussion was held relative to the Health Department's compliance criteria, and Director of Water Quality Hills said that he will be meeting with representatives next week and that they seem willing to use social media for broadcasting emergencies, and are also considering reverse 911 calls. Ms. Beeman said that new social media tools included IRWD Liquid News, Wikipedia, FourSquare Channels, and Yelp. In response to Director Swan's comment relative to using key words on the website to provide internet search results in the desired topical areas, Ms. Beeman said that this is the current practice. A case study was provided with the topic of the Orange County Register's Watchdog Blog. Ms. Beeman then reviewed the next phase of social media for the District. In response to Director Matheis' inquiry if the District could link other entities to our website, such as the Water Education Foundation's news blog called Aquaformia, Ms. Beeman said that she will follow up. Director Withers arrived at 11:00 a.m. President LaMar thanked Ms. Beeman for the update and said he was very impressed with her presentation.

NATIONAL WATER RESEARCH INSTITUTE'S SURVEY

A draft of the National Water Research Institute's (NWRI) 2011 member agency survey results were placed before each Director. Using a Powerpoint presentation, Mr. Mosher, Executive Director, reviewed NWRI's strategic planning efforts; the 2011 member agency survey which had been completed by six member agencies; planned activities; and historical revenue and expenses. In response to questions from the Board and staff, discussion was held about what scope of activities and membership NWRI does, or should have relative to the inclusion of word National in its title, and why Metropolitan Water District as well as consulting firms have not yet joined as member agencies. Director Swan suggested placing various links on its website as well as providing a history including examples of what has been accomplished by the Institute.

RECESS AND RECONVENE

President LaMar declared a recess at 11:51 a.m. The meeting was reconvened with all Directors present at 12:05 p.m.

IRWD POLICY POSITION – SECOND LOWER CROSS FEEDER BACKGROUND:

Using a PowerPoint presentation, Director of Engineering Heiertz reported that the Second Lower Cross Feeder (SLCF) is a pipeline project that, once constructed, would allow additional water

from Metropolitan Water District (MWD) to be delivered into Orange County from the MWD Los Angeles County system. Mr. Heiertz said that this feature is of significant interest to water agencies in Orange County, including the District because it will improve water system reliability in the event of an outage (planned or unplanned) of MWD's Diemer Plant or certain critical pipelines in MWD's system. He said that the other benefits include: expanding production and flexibility through a coastal shift program; increased basin recharge if combined with injection wells; expanding the Conjunctive Use Program; providing south Orange County access to previously stored non-native groundwater; and combining it with the Poseidon Huntington Beach Ocean Desalination project.

Mr. Heiertz reviewed the project issues including: the hydraulic capacity of the MWD pipeline system; MWD member agency demands at the time of the operation (time of year and how far out in time); policy issues of how allocations are made by MWD when system deliveries are constrained; and project cost responsibility. He said that the hydraulic issues included MWD's system capacity to deliver water from the Jensen Water Treatment Plant (Jensen) becoming constrained in summer months and in future years as demands on MWD are projected to increase; and that low pressures may affect other MWD customers.

Mr. Heiertz reviewed MWD policy issues including: 1) reduced long-term benefits; 2) the Central Pool Augmentation project has been deferred to approximately 2049; 2) deliveries from Jensen decline over time (unless Central Pool agencies conserve water); member agency reliability obligations clarified in the integrated area study; and 3) MWD only provides redundancy in its system if it can be justified when they are meeting new demands. He said that in conclusion, that the SLCF can provide an additional supply estimated between 60 cfs and 100 cfs during emergency situations; adds three to five days of supplies for the South County area to withstand an outage of the Diemer Filtration plant; and provides potential benefits for conveyance of groundwater.

Discussion was held relative to the merits of constructing the pipeline as well as establishing a committee among the nine south county agencies. Director Reinhart noted that a meeting of the south county agencies is scheduled for October 26, 2011. Director Swan commented on two policy principle bullet points which he asked staff to amend. The final policy principle points are as follows:

- The Diemer Treatment Plant is subject to extended outages following certain large seismic events or other disasters.
- MWD is responsible for mitigating potential outages of its water system in Orange County, including but not limited to both planned and unplanned outages of the Diemer Treatment Plant, by designing, constructing and operating the SLCF.
- The addition of the SLCF is necessary to increase the reliability of the Orange County imported water conveyance system to reduce the impacts from a sustained water outage due to a single point of failure.
- Enhancements and extensions of the SLCF concept have potential benefits in the conveyance of groundwater and should be explored further with affected agencies including Orange County Water District (OCWD).

- Another benefit of the SLCF includes, under certain circumstances, facilitating the movement of water from Northern California, which typically has lower total dissolved solids (TDS), into the Orange County portion of MWD's conveyance system.
- MWD and other beneficiaries of the SLCF should be responsible for the cost of designing, constructing, and operating the base SLCF as a regional reliability enhancement project.
- Selected project design should incorporate features that will maximize opportunities for benefits beyond improved water system reliability for Orange County.
- The cost of enhancements to the SLCF that could potentially facilitate the conveyance of groundwater in the MWD system should be shared by OCWD, local groundwater producers, and other local beneficiaries.
- MWD should be strongly encouraged to prioritize the installation of the Second Lower Cross Feeder in order to better meet the water system reliability objectives of Orange County.

Director Reinhart asked staff to agendize this item at a future workshop. There being no further discussion, on MOTION by Swan, seconded and unanimously carried, THE BOARD ADOPTED THE DRAFT POLICY POSITION PAPER ENTITLED: *SECOND LOWER CROSS FEEDER AS AMENDED*.

RETIREMENT AND HEALTH BENEFITS STUDY WORKSHOP

Using a PowerPoint presentation, representatives from Aon Hewitt and Hanson Bridgett reviewed: 1) benefit adequacy analysis and preliminary valuations for both retirement and health benefit for the District using various updated modeling assumptions; 2) trends in retirement and health benefits; 3) objective setting and constraints; and 4) risk tolerance. Following discussion, the Board provided input to the consultants on project objectives which will be brought to a future Finance and Personnel Committee meeting as the next step of the process.

IRWD GOALS AND PRIORITIES

President LaMar asked staff to defer the IRWD goals and priorities item to a future Board meeting.

ADJOURNMENT

There being no further discussion, President LaMar adjourned the meeting to Monday, October 10, 2011 at 9:30 a.m. at Payne & Fears Law Office, 4 Park Plaza, Suite 1100, Irvine, California to hold a Closed Session relative to the appointment of the General Manager.

APPROVED and SIGNED this 24th day of October, 2011.

President, IRVINE RANCH WATER DISTRICT

Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Legal Counsel - Bowie, Arneson, Wiles & Giannone

EXHIBIT "B"

MINUTES OF ADJOURNED REGULAR MEETING – OCTOBER 10, 2011

The adjourned regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 9:30 a.m. by President LaMar on October 10, 2011 at Payne & Fears Law Office, 4 Park Plaza, Suite 1100, Irvine, California.

Directors Present: LaMar, Matheis, Reinhart, Swan and Withers

Directors Absent: None.

Also Present: Director of Human Resources Wells, and Mr. Roberts of Roberts Consulting Group.

WRITTEN COMMUNICATION: None.

ORAL COMMUNICATION: None

ITEMS TOO LATE TO BE AGENDIZED None

CLOSED SESSION

President LaMar said that a Closed Session would be held relative to: Public Employee Appointment/Employment – Government Code Section 54957. Title: General Manager.

OPEN SESSION

Following the Closed Session, the meeting was reconvened with Directors Swan, LaMar, Reinhart, Withers, and Matheis present. President LaMar said that there was no action to report.

ADJOURNMENT

There being no further discussion, President LaMar adjourned the meeting at 4:00 p.m.

APPROVED and SIGNED this 24th day of October, 2011.

President, IRVINE RANCH WATER DISTRICT

Secretary, IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Legal Counsel - Bowie, Arneson, Wiles & Giannone

EXHIBIT "C"

MINUTES OF REGULAR MEETING – OCTOBER 10, 2011

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President LaMar on October 10, 2011 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

Directors Present: LaMar, Matheis, Reinhart, Swan and Withers

Directors Absent: None.

Also Present: Interim General Manager Cook, Senior Director of Finance Cherney, Senior Director of Operations Pedersen, Director of Engineering Burton, Treasurer Jacobson, Secretary Bonkowski, Legal Counsel Arneson, Director of Water Resources Heiertz, Director of Public Affairs Beeman, Director of Human Resources Wells, Mr. Steve Malloy, Ms. Mary Kay Hassett, Ms. Jenny Pan, Mr. Jim Reed, Mr. Bruce Newell, Mr. Brian Probolsky, Mr. Norm Roberts of Roberts Consulting and other members of the public and staff.

WRITTEN COMMUNICATION: None.

ORAL COMMUNICATION:

Mrs. Joan Irvine Smith's assistant addressed the Board of Directors with respect to the Dyer Road Wellfield. She said it was her understanding that currently wells C-8 and C-9 will operate in accordance with the District's annual pumping plan. Wells, 1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17 and 18 will be off. This was confirmed by Mr. Cook, Interim General Manager of the District.

With respect to the Orange County Basin Groundwater Conjunctive Use Program being coordinated by Municipal Water District of Orange County (MWDOC) and Orange County Water District (OCWD), a Notice of Completion was approved by the OCWD Board of Directors on March 19, 2009. Metropolitan Water District has given notice to OCWD to extract 22,000 acre feet in fiscal year 2009/10. The extraction is being performed by agencies that constructed conjunctive use wells under this program. IRWD is not a participant. This was confirmed by Mr. Cook.

With respect to the OCWD annexation of certain IRWD lands, on June 5, 2009, IRWD received a letter from OCWD noting that OCWD has completed the formal responses to comments they previously received on the draft program Environmental Impact Report. The letter further noted that with this task completed, OCWD has exercised its right to terminate the 2004 Memorandum of Understanding (MOU) regarding annexation. OCWD also indicated that due to the lack of progress on the annexation issue, the draft program Environmental Impact Report will not be completed. On June 8, 2009, OCWD completed the Long-Term Facilities Plan which was received and filed by the OCWD Board in July 2009. Staff has been coordinating with the City of Anaheim (Anaheim) and Yorba Linda Water District (YLWD) on their most recent annexation requests and has reinitiated the annexation process with OCWD. IRWD, YLWD and Anaheim have negotiated a joint MOU with OCWD to process and conduct environmental analysis of the

annexation requests. The MOU was approved by the OCWD Board on July 21, 2010. This was confirmed by Mr. Cook.

With respect to the Groundwater Emergency Service Plan, IRWD has an agreement in place with various south Orange County water agencies, MWDOC and OCWD, to produce additional groundwater for use within IRWD and transfer imported water from IRWD to south Orange County in case of emergencies. IRWD has approved the operating agreement with certain south Orange County water agencies to fund the interconnection facilities needed to affect the emergency transfer of water. MWDOC and OCWD have also both approved the operating agreement. This was confirmed by Mr. Cook.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED None.

PRESENTATION

RESOLUTION OF COMMENDATION FOR MARY KAY HASSETT

Interim General Manager Cook presented a resolution to Ms. Hassett commending her for 30 years of service to the District. On MOTION by Swan, seconded and unanimously carried, THE FOLLOWING RESOLUTION WAS ADOPTED BY TITLE:

RESOLUTION NO. 2011- 42

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT COMMENDING
MARY KAY HASSETT FOR HER DEDICATED AND
LOYAL SERVICE TO THE DISTRICT.

CONSENT CALENDAR

On MOTION by Matheis, seconded and unanimously carried, CONSENT CALENDAR ITEMS 4 THROUGH 6 WERE APPROVED AS FOLLOWS:

4. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the September 26, 2011 Regular Board Meeting, the September 27, 2011 Adjourned Regular Board Meeting, and the October 3, 2011 Regular Board Meeting be approved as presented.

5. RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS

Director Reinhart noted a correction on one of his meetings where he was at the meeting in person, not via conference call.

Recommendation: That the Board ratify/approve the meetings and events for Steven LaMar, Mary Aileen Matheis, Douglas Reinhart, John Withers and Peer Swan.

6. RESOLUTION RECOGNIZING THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY ON ITS 60TH ANNIVERSARY

Recommendation: That the Board adopt the following resolution by title recognizing the Municipal Water District of Orange County on its 60th anniversary.

RESOLUTION NO. 2011-43

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT RECOGNIZING
THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY
ON ITS 60TH ANNIVERSARY

ACTION CALENDAR

DENTAL AND VISION INSURANCE COVERAGE FOR CALENDAR YEAR 2012

Interim General Manager Cook reported that ACWA Services Corporation has negotiated rates with Delta Dental for the plan year beginning January 1, 2012 which include a 4.23% increase in the premiums for IRWD's current dental plan, Plan A. Mr. Cook said that IRWD has a four-year rate guarantee from EyeMed Vision Care for the District's vision coverage through December 31, 2011. EyeMed has again agreed to renew IRWD's coverage at the current rates with a two-year rate guarantee.

Mr. Cook said that IRWD has retained a consultant team to review the District's overall retirement and health benefits package to maximize value to the employees and develop an equitable cost-sharing method to minimize increasing exposure to rising costs in the future. The results of that study will not be developed in time to make adjustments to the 2012 dental and vision insurance benefits.

Director Swan reported that this item was reviewed and approved by the Finance and Personnel Committee on October 4, 2011. On MOTION by Swan, seconded and unanimously carried, **THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXTEND THE DISTRICT'S CONTRACT WITH ACWA SERVICES CORP. FOR DELTA DPO PLAN A WITH CHILD AND ADULT ORTHODONTIC COVERAGE AND WITH EYEMED VISION CARE FOR THE 2012 CALENDAR YEAR.**

UNIVERSITY DRIVE PIPELINES CATHODIC PROTECTION CONSTRUCTION AWARD

Interim General Manager Cook reported that seven cathodic protection rectifiers, four insulating flanges, and nine test stations will be installed as part of the University Drive Pipelines Cathodic Protection project to protect domestic and recycled water metallic pipelines from corrosion.

Mr. Burton said that the project was advertised on August 31, 2011 to a select bid list of seven pipeline contractors; specialty cathodic protection work will be installed by a cathodic protection subcontractor. He said that Paulus Engineering, Leatherwood Construction, W.A. Rasic Construction, CCL Contracting, and Kennedy Pipeline attended the mandatory pre-bid meeting

on September 13, 2011. He said that the bid opening was held on September 27, 2011 with bids received from Paulus Engineering, Leatherwood Construction, W.A. Rasic Construction, and CCL Contracting. Paulus Engineering was the apparent low bidder with a bid amount of \$1,218,954. The engineer's estimate was \$1,047,000.

On MOTION by Matheis, seconded and unanimously carried, THE BOARD AUTHORIZED AN INCREASE TO THE FY 2011-12 CAPITAL BUDGET FOR PROJECT 10740 (1833) IN THE AMOUNT OF \$137,500, FROM \$765,600 TO \$903,100, AND FOR PROJECT 30740 (1262) IN THE AMOUNT OF \$147,400, FROM \$765,600 TO \$913,000; APPROVED EXPENDITURE AUTHORIZATIONS FOR PROJECT 10740 (1833) IN THE AMOUNT OF \$814,800 AND PROJECT 30740 (1262) IN THE AMOUNT OF \$814,000; AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH PAULUS ENGINEERING, INC. IN THE AMOUNT OF \$1,218,954 FOR THE UNIVERSITY DRIVE PIPELINES CATHODIC PROTECTION PROJECT.

LAKE FOREST WELL NO. 2 WELLHEAD AND DISINFECTION FACILITIES – CONSTRUCTION AWARD

Interim General Manager Cook reported that the Los Alisos Water District drilled Well No. 2 in 1957, and in 2010, the well was destructed because it had reached the end of its useful life. Mr. Cook said that in the spring of 2011, Lake Forest Well No. 2 (LF-2) was drilled at the same site. On September 12, 2011 the Notice of Acceptance was approved by the Board for the well destruction and re-drilling of LF-2. He said that MLF-2 is expected to produce approximately 300 gallons per minute which will be pumped to the Lake Forest Zone 2 East Reservoir. The project improvements include installing a vertical turbine pump and electric motor, discharge piping and valves, surge tank, sodium hypochlorite storage tank and chemical feed pumps, metal enclosure to house the chemical feed system, motor control center, and programmable logic controller.

Mr. Burton reported that the project was advertised to 10 select general contractors including Caliaqua, F.T. Ziebarth, Gateway Pacific, Pacific Hydrotech, Pascal & Ludwig, Paulus Engineering, Schuler Engineering, SS Mechanical, R.C. Foster, and Doty Bros of which the latter two were new contractors to the District. He said that the bid opening was held on September 27 and eight bids were received and found to be acceptable. He also said that Gateway Pacific was the lowest responsive bidder with a bid amount of \$582,686. The engineer's estimate was \$766,000. In response to Director Swan's comments, Mr. Burton said he would provide an updated payback analysis for the project that includes the construction bid costs.

On MOTION by Matheis, seconded and unanimously carried, THE BOARD APPROVED AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$608,800 FOR THE LAKE FOREST WELL NO. 2 WELLHEAD AND DISINFECTION FACILITIES, PROJECT 11461 (1498); AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH GATEWAY PACIFIC IN THE AMOUNT OF \$582,686 FOR THE CONSTRUCTION OF THE LAKE FOREST WELL NO. 2 WELLHEAD AND DISINFECTION FACILITIES, PROJECT 11461 (1498).

PILOT EXCHANGE PROGRAM AGREEMENT WITH CARPINTERIA VALLEY WATER DISTRICT

Interim General Manager Cook reported that staff has prepared terms for a Pilot Exchange Program with the Carpinteria Valley Water District (CVWD) and legal counsel has prepared the necessary letter agreement. The proposed Pilot Program is consistent with the terms of the Pilot Exchange Program with Antelope Valley-East Kern Water Agency (AVEK) and would allow Irvine Ranch Water District (IRWD) to store a portion of CVWD's unused State Water Project (SWP) Table A water in IRWD's Strand Ranch Integrated Banking Project in Kern County on an unbalanced exchange basis.

Using a PowerPoint presentation, Water Resources Manager Weghorst provided an overview of the Pilot Exchange Program. Mr. Weghorst said that: 1) the term length of the Pilot Program agreement is six years; 2) CVWD is allowed to deliver up to 1,500 AF of Table A water (Exchange Water) into storage at the Water Bank within the first year of the Pilot Program; 3) half of the Exchange Water would be deemed transferred to IRWD. The other half of the water, after a reduction due to pro-rated losses, would be returned by IRWD to CVWD (Return Water) by the end of the fifth full calendar year after the recharge event; 4) water bank losses are shared equally between IRWD and CVWD; 5) the Return Water would be provided by IRWD either by an exchange of banked water for water already in the California Aqueduct or through the recovery of water using Water Bank wells with subsequent delivery through the Cross Valley Canal to the California Aqueduct; 6) IRWD would provide Return Water at a time when requested by CVWD at an annual rate of no more than one-third of the portion of the water accrued to CVWD, after taking into consideration losses; 7) IRWD pays the variable costs incurred in delivering and recharging water at the Water Bank with CVWD reimbursing IRWD for half of these costs upon the delivery of the Return Water to CVWD. These costs include Cross Valley Canal pumping charges and Rosedale-Rio Bravo Water Storage administrative charges. The total variable costs are currently estimated at \$37 per AF; 8) CVWD is responsible for all fixed SWP costs; and 9) IRWD and CVWD would each pay the costs of recovery of water for the benefit of its respective agency. Recovery would occur either by exchange or by the pumping of wells. The cost of recovery from wells is currently estimated at \$65 per AF. The cost of recovery by exchange is estimated at \$10 per AF. Each agency would be responsible for the costs of conveyance to its own service areas.

Mr. Weghorst said that the net costs to IRWD if MWD stores water in the Strand Ranch Integrated banking project will be \$816 per acre-feet. If MWD stores water in Southern California, the cost will be \$744 per acre-feet for the full Tier 1 service.

Director Swan said that the terms for the proposed Pilot Program were reviewed and approved by the Water Banking Ad Hoc Committee on October 4, 2011. On MOTION by Swan, seconded and unanimously carried, THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE THE LETTER AGREEMENT FOR A PILOT EXCHANGE PROGRAM WITH CARPINTERIA VALLEY WATER DISTRICT SUBJECT TO NON-SUBSTANTIVE CHANGES APPROVED BY THE GENERAL MANAGER AND LEGAL COUNSEL.

GENERAL MANAGER'S REPORT

Interim General Manager Cook said that the IRWD Goals and Priorities, which was on the agenda for the October 7, 2011 Strategic Planning Workshop, has been agendized for the October 24, 2011 Board meeting. Also, he said staff will be scheduling the next Strategic Planning Workshop in December or January.

Mr. Cook said that Mr. Joaquin Beltran, a CORO fellow from Cal State University Los Angeles, will be joining the District for a three to four week internship. He also reminded the Board of the CORO lunch scheduled for October 18, 2011.

DIRECTORS' COMMENTS

Director Reinhart reported on his attendance at a WACO meeting and a MWDOC workshop.

Director Withers reported on the meetings he will be attending this week including an OCBC Infrastructure Committee, a LAFCO meeting, an OCSD Committee meeting, and an Upper Chiquita Reservoir dedication ceremony.

Director Swan reported that he attended a Southern California Dialogue meeting, a WACO meeting, an ACWA Board of Directors' meeting, a Delta Finance Committee meeting, a meeting at Starr Ranch, a 4,000-acre Audubon sanctuary in southeast Orange County, and a Newport Chambers Government Relations meeting. He said he recently made a presentation to the Irvine Exchange Club, and that tomorrow he will be attending a tour in Northern California with the Water Education Foundation.

Director Matheis reported on her attendance at a Water Education Foundation retreat to review its goals and mission statement. She said that next Wednesday she will be attending a Sacramento-San Joaquin Delta Conversancy meeting in Sacramento.

Director LaMar said that last night was the end of the legislation session and noted Governor Jerry Brown's signings and vetoes of bills the Legislature had sent him in these final weeks. He also said that he recently attended a South Orange County Watershed Management Executive Committee meeting.

CLOSED SESSION

Director LaMar said that a Closed Session would be held relative to PUBLIC EMPLOYEE APPOINTMENT/EMPLOYMENT - GOVERNMENT CODE SECTION 54957. TITLE: GENERAL MANAGER.

OPEN SESSION

Following the Closed Session, the meeting was reconvened with Directors Swan, LaMar, Reinhart, Withers, and Matheis present. President LaMar said that there was no action to report.

ADJOURNMENT

There being no further discussion, President LaMar adjourned the meeting at 7:10 p.m.

APPROVED and SIGNED this 24th day of October, 2011.

President, IRVINE RANCH WATER DISTRICT

Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Legal Counsel - Bowie, Arneson, Wiles & Giannone

EXHIBIT "D"

MINUTES OF SPECIAL BOARD MEETING – OCTOBER 17, 2011

The Special Meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 3:00 p.m. by President LaMar on October 17, 2011 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

Directors Present: LaMar, Matheis, Reinhart, Swan and Withers (arrived at 3:15 p.m.).

Directors Absent: None.

Also Present: Secretary Bonkowski, Director of Human Resources Wells, and Legal Counsel Arneson (arrived at 3:45 p.m.).

WRITTEN COMMUNICATION: None.

ORAL COMMUNICATION: None.

ITEMS TOO LATE TO BE AGENDIZED

President LaMar reported that an item came to his attention after the agenda was posted in regard to representation at the upcoming Newport Bay Watershed Executive Committee meeting scheduled on October 19, 2011. He said Director Swan, the District's Representative, is unable to attend due to a conflict, and it is necessary replace Mr. Paul Jones as the Alternate Representative as he is no longer employed at the District. On MOTION by Swan, seconded and carried (Withers absent), IT WAS DETERMINED THAT THERE IS A NEED TO TAKE IMMEDIATE ACTION TO APPOINT AN ALTERNATE REPRESENTATIVE FOR THE NEWPORT BAY WATERSHED EXECUTIVE COMMITTEE, AND THIS MATTER WAS ADDED TO THE AGENDA ON THE ACTION CALENDAR.

ACTION CALENDAR

NEWPORT BAY WATERSHED EXECUTIVE COMMITTEE ALTERNATE REPRESENTATION

On MOTION by Swan, seconded and carried (Withers absent), PAUL COOK WAS APPOINTED ALTERNATE REPRESENTATIVE ON THE NEWPORT BAY WATERSHED EXECUTIVE COMMITTEE REPLACING PAUL JONES, WHO IS NO LONGER EMPLOYED AT THE DISTRICT.

CLOSED SESSION

President LaMar said that a Closed Session would be held relative to: Public Employee Appointment/Employment – Government Code Section 54957. Title: General Manager. Director Withers arrived at 3:15 p.m. Legal Counsel Arneson arrived at 3:45 p.m.

OPEN SESSION

Following the Closed Session, the meeting was reconvened with Directors Swan, LaMar, Reinhart, Withers, and Matheis present. President LaMar said that there was no action to report.

ADJOURNMENT

There being no further discussion, President LaMar adjourned the meeting at 4:00 p.m.

APPROVED and SIGNED this 24th day of October, 2011.

President, IRVINE RANCH WATER DISTRICT


Secretary IRVINE RANCH WATER DISTRICT


APPROVED AS TO FORM:

Legal Counsel - Bowie, Arneson, Wiles & Giannone

October 24, 2011

Prepared and

Submitted by: N. Savedra 

Approved by: P. Cook 

CONSENT CALENDAR

RATIFY/APPROVE BOARD OF DIRECTORS'
ATTENDANCE AT MEETINGS AND EVENTS

SUMMARY:

Pursuant to Resolution 2006-29 adopted on August 28, 2006, approval of attendance of the following events and meetings are required by the Board of Directors.

Events/Meetings

Steven LaMar

10/19/11	TIC/IRWD Interface Meeting regarding Long-Term Funding Issues
10/20/11	Monthly meeting w/Interim General Manager Cook re: District activities
10/25/11	NWRI Operations Committee Meeting
11/01/11	EOCWD/IRWD Joint Meeting
11/17/11	Southern California Water Committee Annual Meeting
11/29-12/2/11	ACWA Fall Conference, Anaheim, CA

Mary Aileen Matheis

10/14/11	Upper Chiquita Reservoir Dedication Ceremony
10/26/11	WaterReuse California Specialty Workshop
11/03/11	MWDOC Board and Member Agency Elected Officials' Forum
11/17/11	Southern California Water Committee Annual Meeting
11/29-12/2/11	ACWA Fall Conference, Anaheim, CA

Doug Reinhart

10/14/11	Upper Chiquita Reservoir Dedication Ceremony
11/01/11	EOCWD/IRWD Joint Meeting
11/17/11	Southern California Water Committee Annual Meeting
11/29-12/2/11	ACWA Fall Conference, Anaheim, CA

Peer Swan

10/17-18/11	CORO Southern California Meeting Event
10/26/11	MWDOC/OCWD Joint Committee Meeting
10/19-20/11	ACWA Regions 8, 9 & 10 Fall Event, San Diego, CA
10/21/11	Special ACWA Water Finance Task Force Meeting
11/17/11	Southern California Water Committee Annual Meeting
11/29-12/2/11	ACWA Fall Conference, Anaheim, CA

October 24, 2011
Prepared and Submitted by: Various
Approved by: Paul Cook *P. Cook*

CONSENT CALENDAR

STRATEGIC MEASURES DASHBOARD

SUMMARY:

Provided as Exhibits "A", "B", and "C" are the Strategic Measures Dashboard and informational items for Board review.

RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE STRATEGIC MEASURES DASHBOARD AND INFORMATION ITEMS.

EXHIBITS:

Exhibit "A" – Strategic Measures Dashboard
Exhibit "B" – Dyer Road Wellfield Status
Exhibit "C" – Reservoir Data

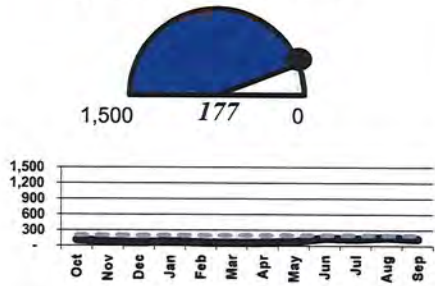
**IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES DASHBOARD**

Exhibit "A"

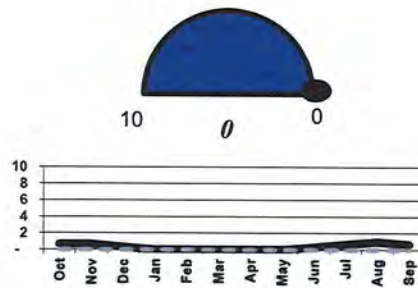
September 2011

Note: The more blue area displayed on the dial, the more favorable the measure.

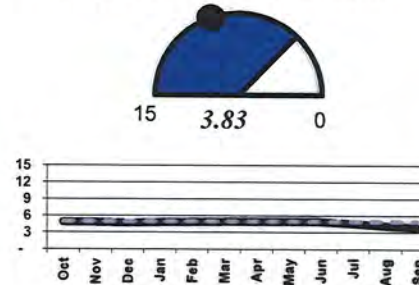
Reliability-Potable/Nonpotable
Target = 200 customer hours out of service this month



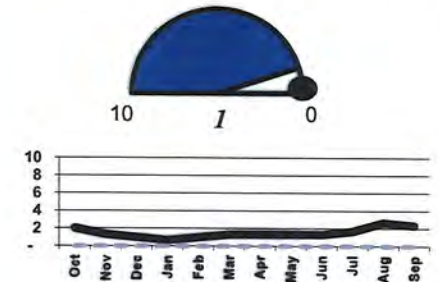
Sewer Spills
Target = 0 Spills this month



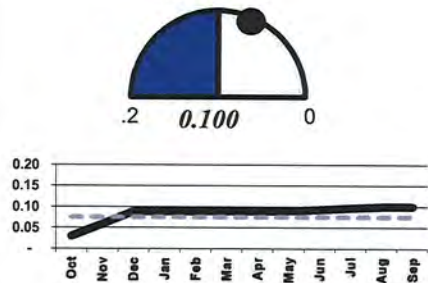
OCSD CORF Flows
Target = 8.80 MGD
CORF flow to OCSD this month



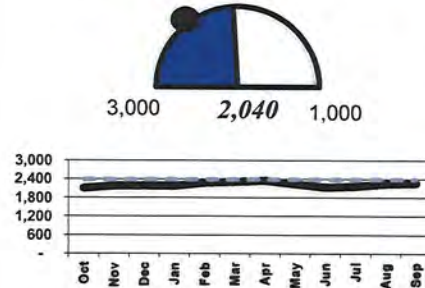
OSHA Recordables
Target = 0 reportable accidents this month



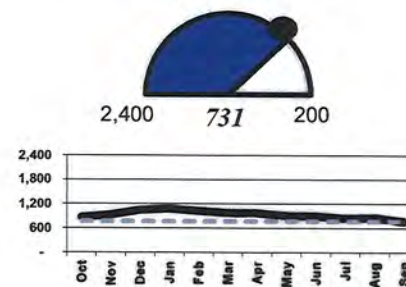
MWRP Energy Cost per kwh
Target = .0792 cost per kWh this month



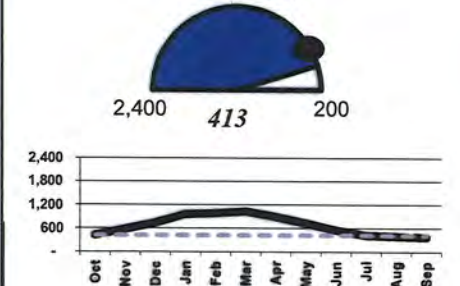
Wastewater Cost
Target = \$2,386/MG processed this month



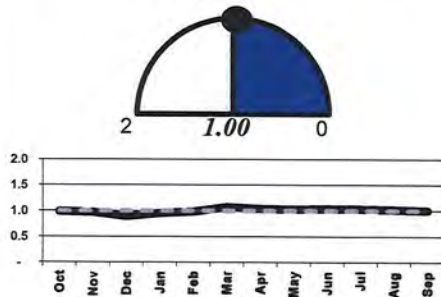
Water System Cost--Potable
Target = \$768/ac-ft delivered this month



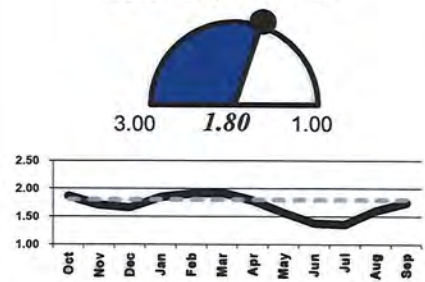
Water System Cost--Nonpotable
Target = \$432/ac-ft delivered this month



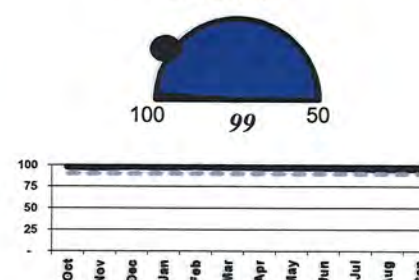
Enterprise Return
Target = 1.0 (net income/goal) last month



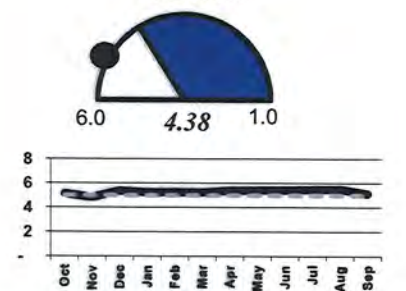
Overhead Ratio
Target = 1.80 (G&A expenses/direct labor) this month



Customer Satisfaction
Target = 90% satisfaction this month



Employee Satisfaction
Target = 5.0 score this month



● Target shown on gauge
00.00 Figure for Current Month

----- Target shown on trend graph
———— 3-month rolling average

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Reliability-Potable/Nonpotable

MONTHLY STATUS REPORT

Metric Owner: Water Ops

Definition of Measure:

The relative magnitude of system outages due to failures or scheduled maintenance for Potable and Non Potable Water.

Method:

Summation of the time any part of the system was out of service times the number of customers affected by the given outage during the month.

Data Collection

Data was derived from the CSR database for customer based reports of "no water" and from the work order database for scheduled maintenance requiring the shut down of water service during repairs.

Current Issues

1. After hours main line break causing a road closure and involving pipes transitioning from one type to another.

Angle stop replacements.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> October 2010
October 2010	57.80		<i>Thru:</i> September 2011
November 2010	65.83		<i>Goal:</i> 200.00
December 2010	69.17		
January 2011	103.20		
February 2011	20.33		
March 2011	59.22		
April 2011	120.60		
May 2011	45.68		
June 2011	283.80		
July 2011	62.33		
August 2011	148.10		
September 2011	176.90		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Sewer Spills

MONTHLY STATUS REPORT

Metric Owner: Gregory Springman

Collection System Manager

Definition of Measure:

Number of sewer overflows of any quantity, regardless of cause, in IRWD's sanitary sewer collection system. This does not include spills from private sewers within IRWD's service area. IRWD has no control over private spills and is not responsible for them. However, it should be noted that IRWD will assist the County Health Care Agency in responding to and cleaning up private spills in the interest of the community.

Method:

Total number of IRWD sewer spills

Data Collection

Data is obtained from the California State Water Boards CIWQS data base for reporting SSO's.

Current Issues

1. October, 2010 - Irvine, 8" VCP. 200 gals SSO with 100% of wastewater contained and recovered. Caused by root intrusion.
2. June, 2011 - MWRP MPS-3 Forcemain Pigging Operation, blockage occurred at the termination point of the 18" MPS-3 forcemain due to debris accumulation. 250 gals SSO with 250 gals of wastewater contained and recovered.
3. July, 2011-MWRP MPS-3 Forcemain Pigging Operation (2nd Phase), blockage occurred due to same cause. 25 gals SSO with 25 gals of wastewater contained and recovered.
4. August, 2011 - Irvine, 8" VCP. 165 gals SSO with 100% of wastewater contained and recovered. Caused by root intrusion.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> October 2010
October 2010	1.00		<i>Thru:</i> September 2011
November 2010	0		<i>Goal:</i> 0
December 2010	0		
January 2011	0		
February 2011	0		
March 2011	0		
April 2011	0		
May 2011	0		
June 2011	1.00		
July 2011	1.00		
August 2011	1.00		
September 2011	0		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

OCSD CORF Flows

MONTHLY STATUS REPORT

Metric Owner: Wayne Posey

Director of Wastewater Operations

Definition of Measure:

Estimated CORF flow for current FY. CORF flow ownership as of the end of FY 2009/2010 was 8.62 MGD.

Method:

IRWD's CORF flow is derived by using the actual Main Street Flume Meter flow and subtracting the MWRP biosolid discharge flow and all non Revenue Area 14 (IRWD) flows tributary to the Main Street Flume meter/MWRP and adding in the San Joaquin Hills Planned Community flow and flow discharges from the Gas Recovery System (Formerly Laidlaw) for the FY four calendar months with the highest flow totals multiplied by three, averaging the result thereof with the same result of the same calculation for the preceding two fiscal years and adding in the current IBC transfer flow.

Note: All of the Newport Coast flows with the exception of the San Joaquin Hills Planned Community and Gas Recovery System flow are excluded from IRWD's CORF flow calculation. The OCSD's 1988 Downcoast Area Agreement only requires for IRWD to provide local wastewater collection service and requires OCSD to provide wastewater regional collection, transmission, treatment and disposal for that area.

Data Collection

The OCSD's Monthly Gallonage Flow Summary Report provides the actual flows used in calculating IRWD's CORF flow. This includes the Main Street Flume Meter actual monthly flow. All non Revenue Area 14 (IRWD) flows that are tributary to the Main Street Flume Meter is adjusted every year based on the results of OCSD's Flow Verification Study. The San Joaquin Hills Planned Community flow is adjusted every year based on the results of IRWD's Flow Verification Study. The Gas Recovery System flow is the actual monthly meter flow. The IBC transfer flow is adjusted every five years based on the results of OCSD's Flow Verification Study.

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> October 2010
October 2010	4.68		<i>Thru:</i> September 2011
November 2010	4.70		<i>Goal:</i> 4.95
December 2010	4.78		
January 2011	4.91		
February 2011	4.92		
March 2011	4.92		
April 2011	4.92		
May 2011	4.93		
June 2011	4.95		
July 2011	3.85		
August 2011	3.83		
September 2011	3.83		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

OSHA Recordables

MONTHLY STATUS REPORT

Metric Owner: Ken Erwin

District Safety & Security Manager

Definition of Measure:

OSHA Recordables are a monthly measure of injuries and illnesses that occurred and must be entered on the OSHA 300 (Log of Work Related Injuries and Illnesses), in conformance with OSHA requirements. This measure is standardized not only in the water/wastewater industry, but throughout industries nationwide.

Method:

OSHA Recordables = Number of OSHA Recordable cases occurring during the subject month.

Data Collection

All injuries/illnesses and near-misses are reported to the District Safety & Security Manager immediately when they occur. All are investigated and cases meeting the recordable definition are logged. This measure simply reports the number of accidents whose occurrence date is within the calendar month.

Current Issues

1. Collections worker incurred bee sting on left side forehead medication dispensed

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> October 2010
October 2010	2.00		<i>Thru:</i> September 2011
November 2010	0		<i>Goal:</i> 0
December 2010	1.00		
January 2011	1.00		
February 2011	1.00		
March 2011	2.00		
April 2011	1.00		
May 2011	1.00		
June 2011	2.00		
July 2011	2.00		
August 2011	4.00		
September 2011	1.00		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

MWRP Energy Cost per kWh

MONTHLY STATUS REPORT

Metric Owner: Wayne Posey

Director of Wastewater Operations

Definition of Measure:

Actual MWRP Cost per kWh used at MWRP with new generating facility.

Method:

MWRP cost per kWh is calculated by the monthly total energy purchased from imported SCE electricity, purchased natural gas for the generators from Coral Energy, and SCG natural gas transportation charge divided by the total monthly kWh generated and imported from SCE. We then add in actual maintenance costs, including g/a.

Data Collection

Data collected from actual monthly SCE, Coral Energy and SCG Invoices. Total kWh is collected from the two generator kWh meters and SCE main electric meter.

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> October 2010
October 2010	.09		<i>Thru:</i> September 2011
November 2010	.09		<i>Goal:</i> .08
December 2010	.09		
January 2011	.09		
February 2011	.09		
March 2011	.09		
April 2011	.09		
May 2011	.09		
June 2011	.10		
July 2011	.10		
August 2011	.10		
September 2011	.10		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Wastewater Cost

MONTHLY STATUS REPORT

Metric Owner: Wayne Posey

Director of Wastewater Operations

Definition of Measure:

Total cost of collection and treatment (primary, secondary, and solids disposal) of wastewater, on a unit basis (\$/million gallons) for this month.

Method:

(MWRP cost of collections(G/L #530) + MWRP cost of treatment(G/L #551,552,565) + OCSD cost(G/L #535,555) + SMWD cost(G/L #531,556)) divided by the total sewage flows emanating from OCSD District #14 (Includes MWRP flow + OCSD flow + SMWD flow)

Data Collection

Data used for this measure are collected from the general ledger and from Orange County Sanitation District (OCSD) and Santa Margarita Water District (SMWD) staff. Costs and flows from OCSD District #7 are not included in the calculation.

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	From: October 2010
October 2010	2,167.00	2,356.00	Thru: September 2011
November 2010	2,206.00	2,363.00	Goal: 2,378.00
December 2010	2,183.00	2,358.00	
January 2011	2,155.00	2,355.00	
February 2011	2,492.00	2,380.00	
March 2011	2,277.00	2,375.00	
April 2011	2,297.00	2,378.00	
May 2011	2,143.23	2,375.00	
June 2011	1,973.19	2,378.00	
July 2011	2,393.00	2,380.00	
August 2011	2,390.00	2,386.00	
September 2011	2,040.00	2,386.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Water System Cost--Potable

MONTHLY STATUS REPORT

Metric Owner: Denise To-Nguyen

Accountant

Definition of Measure:

Total cost of potable water delivered to IRWD's customers this month, on a unit basis (\$/acre-foot). These monthly costs can vary greatly due to variation in water sales and power cost billing cycles. Thus, monthly expenses do not match up with their corresponding water sales.

Method:

Sum of all potable water costs accrued this month divided by the quantity of potable water sold this month.

Data Collection

Potable water costs collected from current month general ledger. This cost includes labor, power, distribution, and other costs. The quantity of water sold is collected from the Water Usage Variance Report, which summarizes metered water sales. Wide fluctuations in this measure may occur due to the billing delays for such expenses as electrical power (ie, bills are not paid in the same month as the water is sold).

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> October 2010
October 2010	857.34	868.51	<i>Thru:</i> September 2011
November 2010	1,109.19	862.36	<i>Goal:</i> 855.00
December 2010	1,172.08	878.12	
January 2011	957.53	902.95	
February 2011	937.62	903.89	
March 2011	1,031.46	897.43	
April 2011	951.24	873.74	
May 2011	728.69	920.18	
June 2011	1,005.05	943.89	
July 2011	798.49	854.55	
August 2011	773.00	789.00	
September 2011	731.00	768.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Water System Cost--Nonpotable

MONTHLY STATUS REPORT

Metric Owner: Denise To-Nguyen

Accountant

Definition of Measure:

Total cost of nonpotable water delivered to IRWD's customer this month, on a unit basis (\$/acre-foot). These monthly costs can vary greatly due to variation in water sales and power cost billing cycles. Thus, monthly expenses do not match up with their corresponding water sales.

Method:

Sum of all nonpotable water costs accrued this month divided by the quantity of nonpotable water sold this month.

Data Collection

Nonpotable water costs collected from current month general ledger. This cost includes labor, power, distribution, and other costs related to tertiary treatment and reclaimed water distribution. The quantity of water sold is collected from the Water Usage Variance Report, which summarizes metered water sales. Wide fluctuations in this measure may occur due to the billing delays for such expenses as electrical power (ie, bills are not paid in the same month as the water is sold).

Current Issues

- I. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> October 2010
October 2010	508.51	473.71	<i>Thru:</i> September 2011
November 2010	840.22	547.10	<i>Goal:</i> 432.00
December 2010	854.69	597.27	
January 2011	1,186.35	722.95	
February 2011	905.02	607.02	
March 2011	1,000.90	707.32	
April 2011	777.61	563.92	
May 2011	424.12	452.90	
June 2011	471.96	413.85	
July 2011	394.00	432.00	
August 2011	338.00	408.00	
September 2011	413.08	422.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Enterprise Return

MONTHLY STATUS REPORT

Metric Owner: Jayne George

Debt and Investment Analyst

Definition of Measure:

This is a monthly measure of performance by IRWD's various enterprise activities, including residential and commercial real estate, Strawberry Farms Golf Course, and wireless communications leases.

Method:

Enterprise Return = Actual Net Income/Budgeted Net Income x 100

Data Collection

The various enterprise activities generate revenues and expenses at different frequencies through the year. Except for the real estate projects, the enterprise projects are primarily revenue generating activities with relatively little associated expenses. The measure reflects a comparison between the actual and budgeted net income of the various projects on a monthly basis.

Current Issues

1. The September measure is on budget.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> October 2010
October 2010	.98		<i>Thru:</i> September 2011
November 2010	.94		<i>Goal:</i> 1.00
December 2010	.76		
January 2011	1.17		
February 2011	1.04		
March 2011	1.02		
April 2011	1.06		
May 2011	1.02		
June 2011	1.05		
July 2011	1.04		
August 2011	.98		
September 2011	1.00		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Overhead Ratio

MONTHLY STATUS REPORT

Metric Owner: Jessica Craig

Accountant

Definition of Measure:

Overhead Ratio is a measure of general and administrative (G&A) overhead expenses compared to direct labor expenses.

Method:

Ratio of total G&A expenses to total direct labor (including regular and overtime wages).

Data Collection

G&A expenses are summarized from the general ledger and include all costs incurred that are not directly accounted to mission-critical work (charged to g/l #792). Direct labor expenses are the hourly staff charges accounted to mission-critical work (generally charged to expense codes #110 and #120). Benefits are considered G&A, not direct labor expenses.

Current Issues

1. Information not available at time of reporting.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> October 2010
October 2010	1.58		<i>Thru:</i> September 2011
November 2010	1.54		<i>Goal:</i> 1.80
December 2010	1.87		
January 2011	2.13		
February 2011	1.72		
March 2011	1.92		
April 2011	1.72		
May 2011	1.06		
June 2011	1.36		
July 2011	1.65		
August 2011	Not available		
September 2011	Not available		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Customer Satisfaction

MONTHLY STATUS REPORT

Metric Owner: Gina Jackson

Customer Service Manager

Definition of Measure:

Customer Satisfaction is measured by IRWD's Customer Satisfaction Index. The index is measured by sending surveys to a statistically-significant, random selection of customers that have called IRWD for some type of service. Services range from answering questions about water conservation or billing to repairing a sewer blockage in the street. The surveys allow the customer to rate IRWD's response to their request in eight categories. Each category is rated from 1 to 5, with 1 indicating the highest level of satisfaction. A total score of 100 indicates the highest level of satisfaction in all eight categories. The scores of all responses in the subject month are a weighted average for the monthly index figure.

Method:

Data Collection

Surveys are mailed at the end of each work week for the customer requests completed that week. The monthly index reflects the surveys received within the subject month.

Current Issues

1. Total Overall Satisfaction: 99%
Satisfaction: 97%
Timely: 98%
Phone: 100%
Field Contact: 100%

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> October 2010
October 2010	100.00		<i>Thru:</i> September 2011
November 2010	98.00		<i>Goal:</i> 90.00
December 2010	99.00		
January 2011	98.00		
February 2011	100.00		
March 2011	97.00		
April 2011	98.00		
May 2011	98.00		
June 2011	98.00		
July 2011	95.00		
August 2011	96.00		
September 2011	99.00		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Employee Satisfaction

MONTHLY STATUS REPORT

Metric Owner: Gretchen Maswadeh

Human Resources Manager

Definition of Measure:

Level of employee satisfaction with employment at IRWD.

Method:

Average of all scores on surveys for performance evaluations presented this month

Data Collection

A survey is sent to each employee receiving a performance evaluation this month. The survey simply asks the employee to rate his/her overall employment satisfaction on a scale of 1 to 6 (1 being very dissatisfied and 6 being very satisfied). The ratings are compiled and averaged by Human Resources.

Current Issues

1. 8 surveys were returned of 24 surveys sent (33%). 4 of 8 respondents (50%) rated satisfaction as 5 or 6 on a scale of 1 to 6. In the 12 month period ending September 2011, 104 surveys have been returned of 288 surveys sent (36%). 91 of 104 respondents (88%) rated satisfaction as 5 or 6 on a scale of 1 to 6. 12 month average rating is 5.29%.

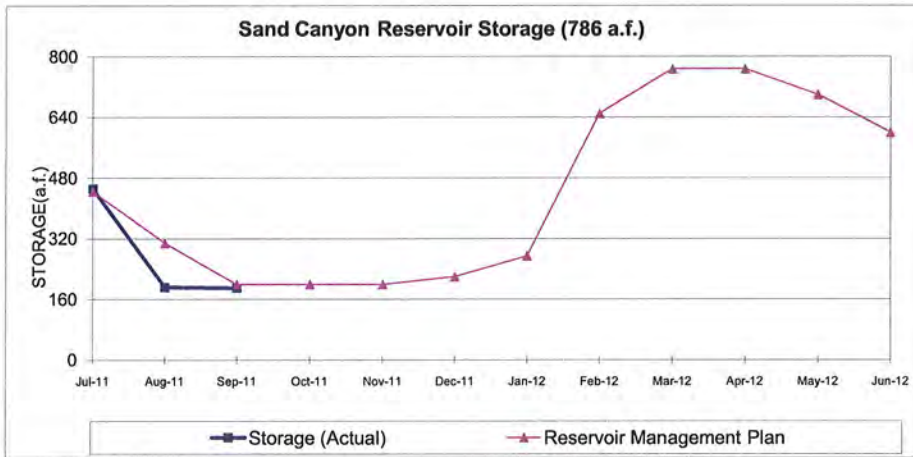
MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> October 2010
October 2010	5.38		<i>Thru:</i> September 2011
November 2010	5.13		<i>Goal:</i> 5.00
December 2010	5.56		
January 2011	5.00		
February 2011	5.20		
March 2011	5.50		
April 2011	5.46		
May 2011	5.33		
June 2011	5.50		
July 2011	5.63		
August 2011	5.38		
September 2011	4.38		

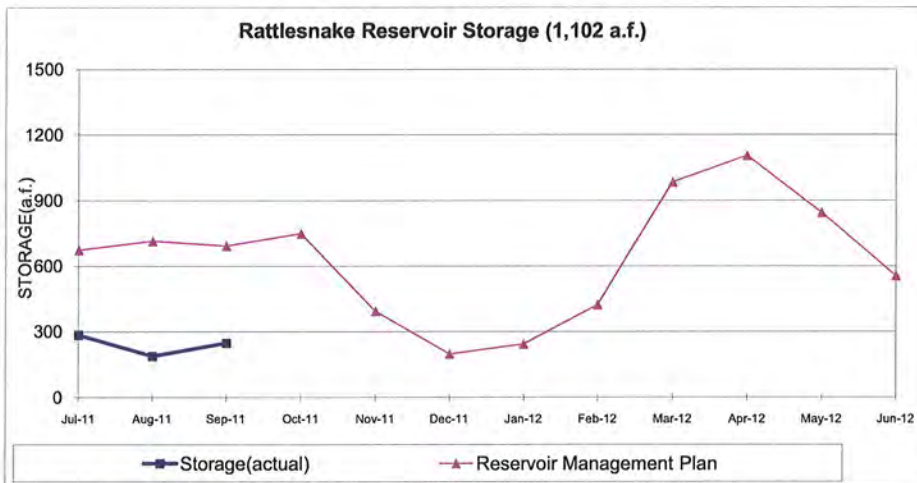
EXHIBIT "B"

DYER ROAD WELL FIELD STATUS							Sep-2011	
Well Number	Production Mo./YTD	Ref. Point Elevation	Depth to Water 9/30/2011	Water Level-MSL	Depth of Bowls	Bowl Setting-MSL	Feet of Water Above Intake	
1	0.0 AF 0.0 AF	34	N/A	N/A	270	-236	N/A	
2	0.9 AF 2.7 AF	37	53	Static	270	-234	217	
3	0.0 AF 0.0 AF	55	69	Static	215	-160	146	
4	0.2 AF 0.2 AF	38	55	Static	216	-178	161	
5	20.0 AF 20.0 AF	48	59	Static	290	-242	231	
6	0.0 AF 7.5 AF	43	55	Static	250	-207	195	
7	0.9 AF 0.9 AF	40	61	Static	290	-250	229	
C-8 DATS	437.4 AF 1,287.8 AF	37	106	Pumping	305	-268	199	
C-9 DATS	328.3 AF 968.3 AF	23	107	Pumping	305	-282	198	
10	2.5 AF 8.8 AF	47	56	Static	250	-203	194	
11	0.0 AF 0.0 AF	40	64	Static	300	-260	236	
12	0.0 AF 0.0 AF	51	60	Static	300	-249	240	
13	0.0 AF 0.2 AF	40	53	Static	300	-260	247	
14	0.5 AF 0.5 AF	47	57	Static	311	-264	254	
15	0.0 AF 0.0 AF	44	59	Static	300	-256	241	
16	0.0 AF 0.2 AF	47	59	Static	280	-233	221	
17	0.0 AF 1.6 AF	52	61	Static	250	-199	189	
18	0.0 AF 0.0 AF	45	52	Static	300	-255	248	
Clear production:	25.0 AF for the month							
FYTD:	42.5 AF							
DATS production:	765.7 AF for the month							
FYTD:	2,256.1 AF							

RESERVOIR DATA FY 11-12

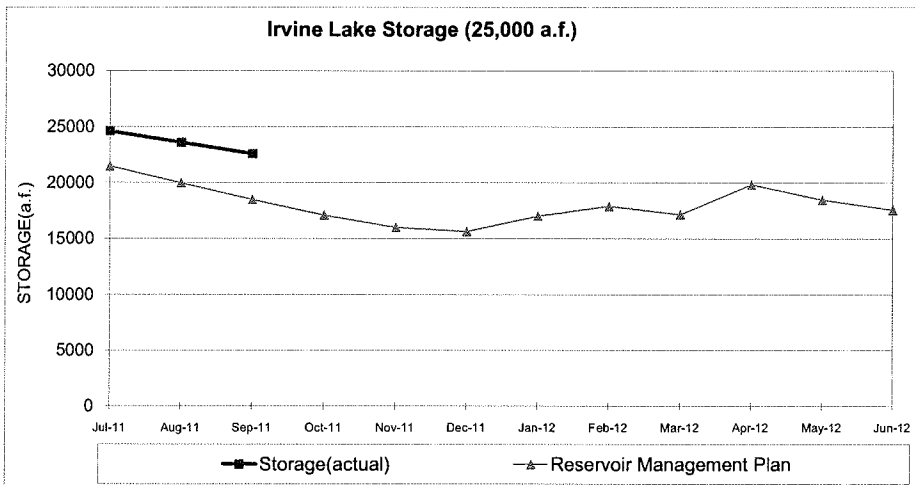


Storage was under 200 AF by October 1 as required by Regional Board permit. Sand Canyon will draft down over the next few months.

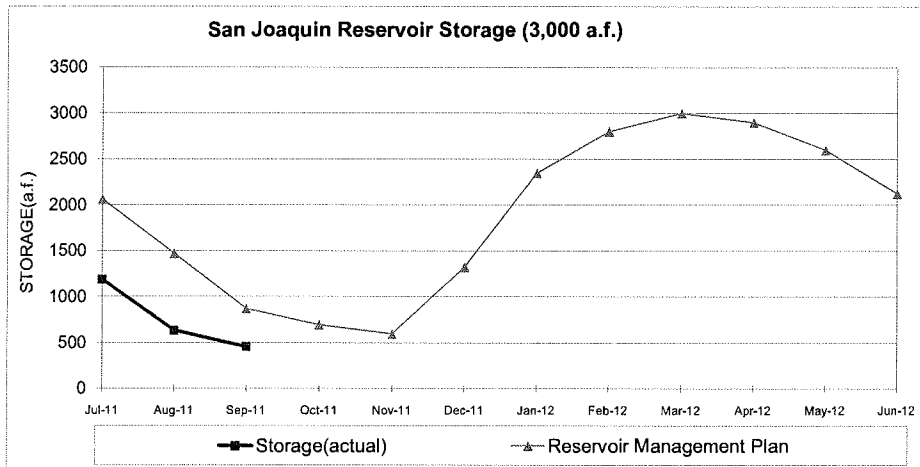


Rattlesnake storage is on track after responding to storms in December and January.

RESERVOIR DATA FY 11-12



Irvine Lake is not spilling due to the installation of the flash boards April 1st.



All Lake Forest reclaimed demand is being supplied from the East Irvine Zone B system.

October 24, 2011

Prepared by: Tanja Fournier/Rob Jacobson

Submitted by: Debby Cherney

Approved by: Paul Cook

CONSENT CALENDAR

SEPTEMBER 2011 FINANCIAL REPORTS

SUMMARY:

The following is submitted for the Board's information and approval:

- A. The Investment Summary Report for September 2011. This Investment Summary Report is in conformity with the 2011 Investment Policy and provides sufficient liquidity to meet estimated expenditures during the next six months, as outlined in Exhibit "A".
- B. The Monthly Interest Rate Swap Summary as of September 30, 2011, as outlined in Exhibit "B".
- C. The September 30, 2011 Disbursement Summary of the tabulation of Warrant Nos. 323092 through 323975, Workers' Compensation distributions, payroll withholding distributions, payroll direct deposit ACH payments and voided checks in the total amount of \$28,698,742.93.

FISCAL IMPACTS:

As of September 30, 2011, the book value of the investment portfolio was \$390,062,525 with a 0.42% rate of return and a market value of \$390,575,693. Based on the District's September 30, 2011 quarterly real estate investment rate of return of 11.37%, the District's weighted average return for the fixed income and real estate investments was 1.96%.

As of September 30, 2011, the total notional amount of the interest rate swap portfolio was \$130 million of fixed payer swaps. Cash accrual in September from all swaps was negative \$599,334 and negative \$1,866,735 fiscal year to date.

Wire transfers, ACH payments, and checks issued for debt service, accounts payable, payroll and water purchases for September totaled \$28,698,742.93.

ENVIRONMENTAL COMPLIANCE:

This item is not a project as defined in the California Environmental Quality Act Code of Regulations, Title 14, Chapter 3 Section 15378.

COMMITTEE STATUS:

This item was not submitted to a Committee; however, the investment and interest rate swap reports are submitted to the Finance and Personnel Committee on a monthly basis.

RECOMMENDATION:

RECEIVE AND FILE THE TREASURER’S INVESTMENT SUMMARY REPORT AND THE MONTHLY INTEREST RATE SWAP SUMMARY FOR SEPTEMBER 2011; APPROVE THE SEPTEMBER 2011 DISBURSEMENT SUMMARY OF WARRANTS NOS. 323092 THROUGH 323975 WORKERS’ COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL DIRECT DEPOSIT ACH PAYMENTS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$28,698,742.93.

LIST OF EXHIBITS:

- Exhibit “A” - Investment Summary Report
- Exhibit “B” - Monthly Interest Rate Swap Summary
- Exhibit “C” - Monthly Summary of District Disbursements

09/30/11

SETTLED	INTEREST PERIOD			CALL DATE	Maturity Date	RISK	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	CURRENT YIELD	YTC	ORIGINAL COST	CARRY VALUE	MARKET VALUE 09/30/11	UNREALIZED CAPITAL GAIN/LOSS
	FROM	THRU	COUPON												
09/30/11	09/01/11	09/30/11			10/30/11		LAIF	State of California Tsy.	\$28,800,000	0.400%		\$28,800,000.00	\$28,800,000.00	28,853,210.65	53,210.65
06/28/11	09/01/11	09/30/11			10/30/11		LAIF-JPA	State of California Tsy.	50,000,000	0.400%		\$50,000,000.00	\$50,000,000.00	50,092,379.60	92,379.60
09/07/11	09/01/11	09/30/11			10/07/11		LAIF-2009A	State of California Tsy.	683,279	0.400%		\$683,278.64	\$683,278.64	684,541.06	1,262.42
09/07/11	09/01/11	09/30/11			10/07/11		LAIF-2009B	State of California Tsy.	683,279	0.400%		\$683,278.64	\$683,278.64	684,541.06	1,262.42
09/19/11	09/01/11	09/30/11			10/19/11		LAIF BABS	State of California Tsy.	132,084,787	0.400%		\$132,084,787.16	\$132,084,787.16	132,328,825.96	244,038.80
09/30/11	09/01/11	09/30/11			08/01/11		B of A Tsy. Reserves	Bank of America	3,401,883.27	0.009%		3,401,883.27	3,401,883.27	3,401,883.27	
100.20%	04/21/10				11/23/11		Aaa/AAA/AAA	FNMA - Note	5,000,000	1.000%	0.841%	5,012,550.00	5,001,144.84	5,006,300.00	5,155.16
100.16%	01/11/11				01/11/13		Aaa/AAA/NR	FFCB - Note	5,000,000	0.750%	0.826% 0.901%	4,992,500.00	4,995,198.36	5,005,468.50	10,270.14
100.21%	02/10/11			02/08/12	02/08/13		Aaa/AAAe/NR	FHLMC - Note	5,000,000	0.850%	0.997% 1.144%	4,985,500.00	4,990,134.43	5,007,450.00	17,315.57
100.08%	04/04/11			03/14/12	03/14/13		Aaa/AAA/NR	FHLMC - Note	5,000,000	0.500%	1.013% 0.500%	5,000,000.00	5,000,000.00	5,002,150.00	2,150.00
102.25%	05/23/11				04/11/13		Aaa/AAA/AAA	FHLMC - Note	5,000,000	1.720%	0.517%	5,112,550.00	5,091,150.80	5,102,800.00	11,649.20
100.31%	04/25/11			04/25/12	04/25/13		NA/AAAe/NR	FHLB - Note	5,000,000	0.750%	0.750% 0.750%	5,000,000.00	5,000,000.00	5,011,750.00	11,750.00
100.09%	03/29/11			11/23/11	05/23/13		Aaa/AAA/AAA	FHLMC - Note	5,000,000	0.625%	1.040% 0.654%	4,955,985.00	4,966,400.76	5,001,650.00	35,249.24
100.24%	06/27/11			06/27/12	09/27/13		Aaa/AAA/NR	FHLB - Note	5,000,000	0.700%	0.700% 0.700%	5,000,000.00	5,000,000.00	5,009,300.00	9,300.00
100.13%	06/29/11				04/29/14		Aaa/AAA/AAA	FNMA - Note	5,000,000	1.110%	1.122% 1.708%	4,998,250.00	4,998,408.94	5,002,850.00	4,441.06
100.20%	05/23/11			11/23/11	05/23/14		Aaa/AAA/AAAe	FHLMC - Note	5,000,000	1.250%	1.253% 1.270%	4,999,500.00	4,999,559.76	5,006,200.00	6,640.24
100.18%	05/27/11			11/28/11	05/28/14		NA/AAA/NR	FHLMC - Note	5,000,000	1.250%	1.250% 1.250%	5,000,000.00	5,000,000.00	5,005,950.00	5,950.00
100.32%	06/27/11			06/27/12	06/27/14		Aaac/AAAe/NR	FFCB - Note	10,000,000	1.050%	1.050% 1.050%	10,000,000.00	10,000,000.00	10,030,300.00	30,300.00
100.49%	07/14/11			07/11/12	07/11/14		Aaa/AAA/NR	FNMA - Note	5,000,000	1.125%	0.962% 0.962%	5,000,000.00	5,007,421.76	5,018,400.00	10,978.24
99.87%	08/22/11			08/22/12	08/22/14		Aaa/AA+/NR	FHLB - Note	5,000,000	0.650%	0.660% 0.680%	4,998,500.00	4,998,554.75	4,976,150.00	(22,404.75)
99.98%	08/29/11			08/28/12	08/28/14		Aaa/AA+/NR	FNMA - Note	5,000,000	0.650%	0.650% 0.650%	5,000,000.00	5,000,000.00	4,982,650.00	(17,350.00)
09/22/11				N/A	06/26/12		MIG1e/SP-1+/F1	CA ST-RANS-A2	2,000,000	2.000%	0.400%	2,024,280.00	2,024,280.00	2,023,900.00	(380.00)
09/26/08	09/28/11	10/04/11	10/05/11		(4)	Aaa/AAA/NR	VRDO	Chino Basin Fin	11,280,000	0.120%		11,280,000.00	11,280,000.00	11,280,000.00	
08/01/09	09/28/11	10/04/11	10/05/11		(5)	Aa3/A/NR	VRDO	Rancho California WtrD	6,500,000	0.110%		6,500,000.00	6,500,000.00	6,500,000.00	
07/20/10	09/29/11	10/05/11	10/06/11		(4)	Aa1/AAA/AAA	VRDO	Metropolitan Water	7,500,000	0.120%		7,500,000.00	7,500,000.00	7,500,000.00	
08/16/10	09/28/11	10/04/11	10/05/11		(4)	Aaa/AAA/NR	VRDO	Sacramento WTR	10,000,000	0.130%		10,000,000.00	10,000,000.00	10,000,000.00	
11/18/10	09/29/11	10/05/11	10/06/11		(4)	Aa1/AAA/AA-	VRDO	LA Waste Wtr	4,900,000	0.100%		4,900,000.00	4,900,000.00	4,900,000.00	
12/22/10	09/28/11	10/04/11	10/05/11		(4)	Aa2/AA/AA+	VRDO	Eastern Mun Wtr Dist CA	7,900,000	0.140%		7,900,000.00	7,900,000.00	7,900,000.00	
04/27/11	09/28/11	10/04/11	10/05/11		(4)	Aa2/AAAe/NR	VRDO	East Bay MUD	9,600,000	0.110%		9,600,000.00	9,600,000.00	9,600,000.00	
05/06/11	09/28/11	10/04/11	10/05/11		(4)	Aa2/AA-/NR	VRDO	West Basin Wtr	9,200,000	0.140%		9,200,000.00	9,200,000.00	9,200,000.00	
06/01/11	09/28/11	10/04/11	10/05/11		(4)	Aa1/AAA/AAA	VRDO	Orange Cnty Wtr	5,000,000	0.130%		5,000,000.00	5,000,000.00	5,000,000.00	
SUB-TOTAL									\$369,533,228			\$369,612,842.71	\$369,605,482.11	\$370,118,650.10	\$513,167.99
RESTRICTED CASH (Swap Collateral Deposits)															
09/01/11	09/01/11	09/30/11					Collateral Deposit	Citi-Group	\$13,397,043	0.085%		\$13,397,042.72	\$13,397,042.72	13,397,042.72	
09/23/11	09/01/11	09/30/11					Collateral Deposit	Merrill Lynch	\$7,060,000	0.085%		\$7,060,000.00	\$7,060,000.00	7,060,000.00	
SUB-TOTAL									\$20,457,043			\$20,457,042.72	\$20,457,042.72	\$20,457,042.72	
TOTAL INVESTMENTS									\$389,990,270			\$390,069,885.43	\$390,062,524.83	\$390,575,692.82	
Petty Cash												3,300.00			
Bank Bal. (unrec.)												(4,490,177.09)			
												\$385,583,008.34			

- (1) LAIF market value is as of the most recent quarter-end as reported by LAIF. Security market values are determined using Bank of New York ("Trading Prices"), Bloomberg and/or broker dealer pricing.
- (2) Gain (loss) calculated against carry value using the trading value provided by Bank of New York/Brokers
- (3) Real estate rate of return is based on most recent quarter end return
- (4) No call Notice
- (5) Partial Call

Outstanding Variable Rate Debt \$386,115,000
 Net Outstanding Variable Rate Debt (Less \$130 million fixed-payer swaps) \$256,115,000
 Investment Balance: \$385,583,008
 Investment to Variable Rate Debt Ratio: 151%
 Portfolio - Average Number of Days To Maturity 179

	Investment Portfolio	Real Estate Portfolio (3)	Weighted Avg. Return
September	0.42%	11.37%	1.96%
August	0.46%	10.66%	1.86%
Change	-0.04%		

This Investment Summary Report is in conformity with the 2011 Investment Policy and provides sufficient liquidity to meet the next six months estimated expenditures.

IRVINE RANCH WATER DISTRICT
SUMMARY OF MATURITIES

09/30/11

PORTFOLIO \$389,990,270

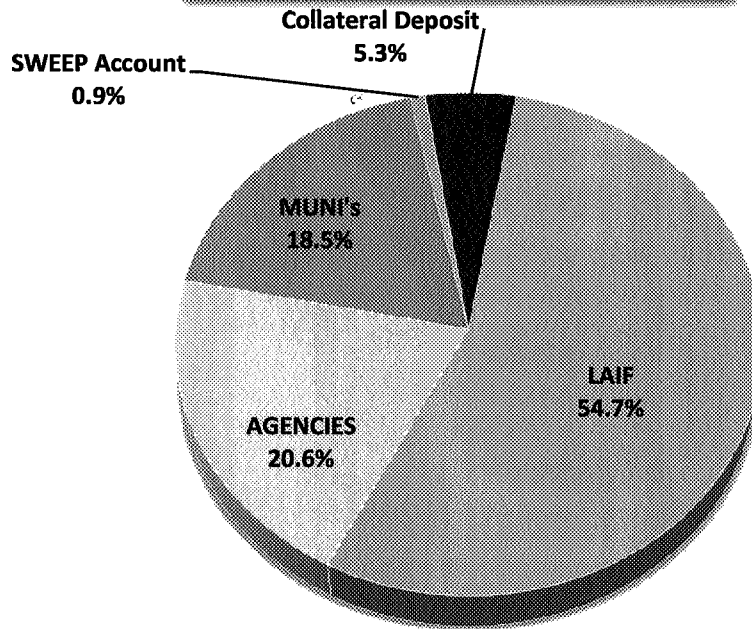
DATE	TOTAL	%	LAIF	AGENCIES	MUNI	CAL REV NOTES	MONEY MARKET SAVINGS & SWEEP	Collateral* Deposit
10/11	\$309,990,270	79.49%	\$212,251,344		71,880,000	2,000,000	3,401,883	\$20,457,043
11/11	\$5,000,000	1.28%		5,000,000				
12/11								
1/12								
2/12								
3/12								
4/12								
5/12								
6/12								
7/12								
8/12								
9/12								
SUB-TOTAL	\$314,990,270	80.77%	\$212,251,344	5,000,000	71,880,000	2,000,000	3,401,883	\$20,457,043
13 Months 3 YEARS								
10/1/2012 - 12/31/2012								
1/1/2013 - 3/31/2013	\$15,000,000	3.85%		15,000,000				
4/1/2013 - 6/30/2013	\$15,000,000	3.85%		15,000,000				
7/1/2013 - 9/30/2013	\$5,000,000	1.28%		5,000,000				
10/1/2013 - 12/31/2013								
4/1/2014 - 6/30/2014	\$25,000,000	6.41%		25,000,000				
7/1/2014 - 9/30/2014	\$15,000,000	3.85%		15,000,000				
TOTALS	\$389,990,270	100.00%	\$212,251,344	80,000,000	71,880,000	2,000,000	3,401,883	\$20,457,043
% OF PORTFOLIO			54.42%	20.51%	18.43%	0.51%	0.87%	5.25%

* Return of posted collateral is dependant on interest rates.

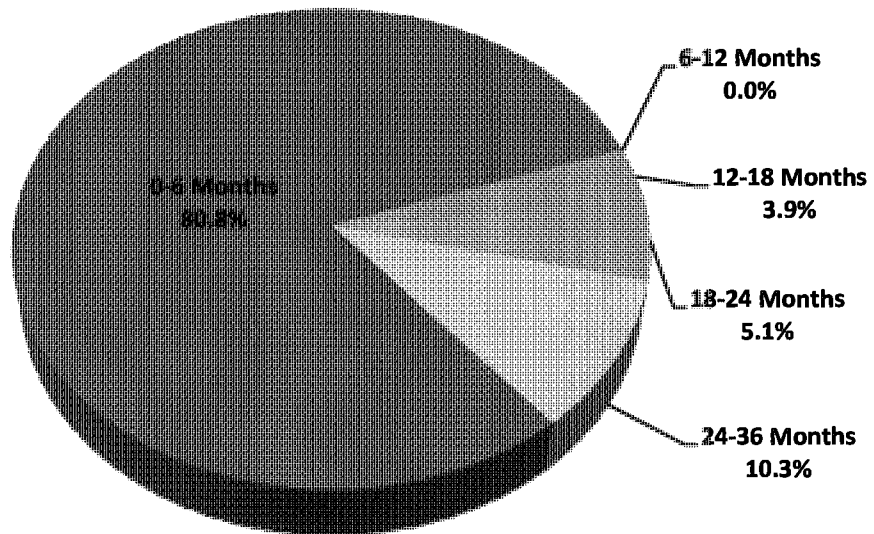
AUGUST 2011 INVESTMENT PORTFOLIO

As of September 30, 2011

Portfolio by Investment Type



Portfolio by Maturities



IRVINE RANCH WATER DISTRICT
 INVESTMENT SUMMARY REPORT

Joint Powers Agency - Investment Contracts

9/30/2011

Settlement Date	JPA Issue	Investment Contract	Original Cost	Current Par	Market Value 09/30/11
10/25/1994	JPA - Issue #1	AIG Matched Funding Corp. 7.705% Due 2-15-14	\$ 407,878,616	\$ 306,642,500	\$ 268,818,400
10/25/1994	JPA - Issue #2	Federal National Mortgage Assoc. 8.18% Due 2-15-14	\$ 518,644,189	\$ 380,152,449	\$ 444,850,595
			<u>\$ 926,522,805</u>	<u>\$ 686,794,949</u>	<u>\$ 713,668,995</u>

Irvine Ranch Water District
 Summary of Real Estate
 9/30/2011

	<u>ACQUISITION DATE</u>	<u>PROPERTY TYPE</u>	<u>OWNERSHIP INTEREST</u>	<u>ORIGINAL COST</u>	<u>RATE OF RETURN QUARTER ENDED Sep-11</u>
Sycamore Canyon	Dec-92	Apartments	Fee Simple	43,550,810	14.06%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	8.31%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	5,739,845	7.70%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	8,630,577	2.38%
				<u>\$ 63,921,232</u>	<u>11.37%</u>

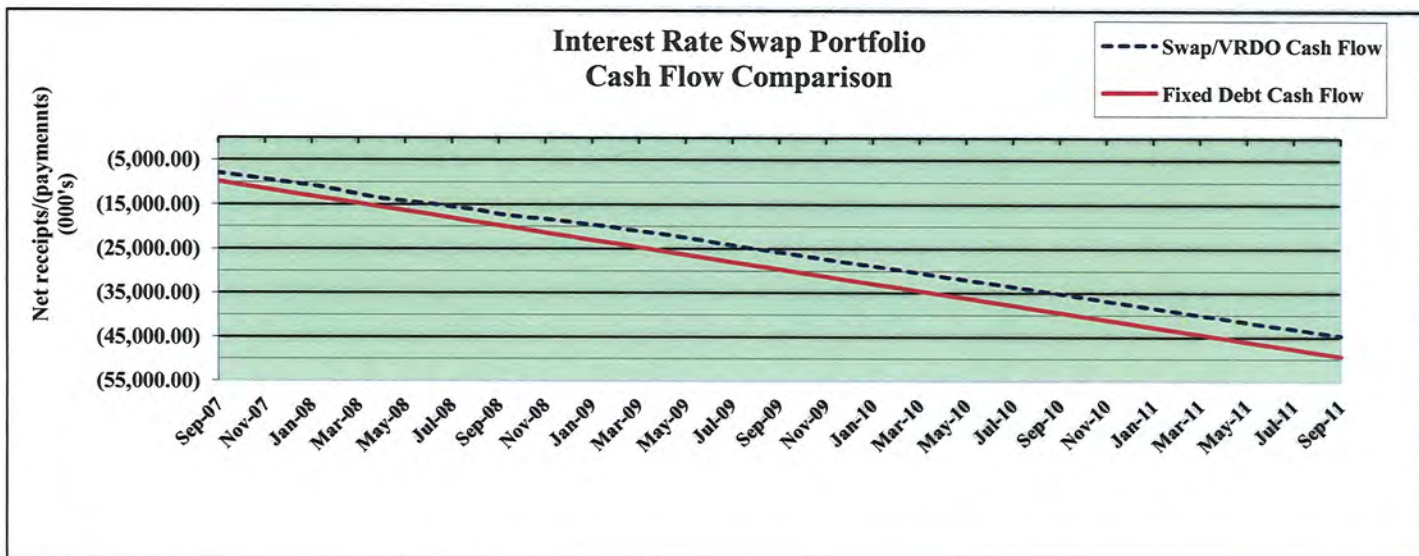
**IRVINE RANCH WATER DISTRICT
INTEREST RATE SWAP MONTHLY SUMMARY REPORT - DETAIL
September 30, 2011**

Exhibit "B"

								LIBOR Avg %			Prior Mo.		Current Mo.		12-Mo Avg	
								0.21%	0.23%	0.23%						
Current Fiscal Year Active Swaps								Cash Flow				(Since 6/06)		Mark to Market		
Effective Date	Maturity Date	Years to Maturity	Counter Party	Notional Amt	Type	Base Index	Fixed Rate	Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Current Mark to Market	Notional Difference			
Fixed Payer Swaps - By Effective Date																
6/4/2006	6/4/2019	7.7	ML	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (106,591)	\$ (96,239)	\$ (299,719)	\$ (4,151,309)	\$ 13,149,538	\$ (6,850,462)			
6/4/2006	6/4/2019	7.7	CG	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (106,591)	\$ (96,239)	\$ (299,719)	\$ (4,151,309)	\$ 13,146,515	\$ (6,853,485)			
6/17/2006	6/17/2019	7.7	CG	\$ 30,000,000	FXP	LIBOR	6.140%	\$ (158,328)	\$ (142,914)	\$ (445,135)	\$ (6,143,321)	\$ 19,891,790	\$ (10,108,210)			
3/10/2007	3/10/2029	17.5	ML	\$ 30,000,000	FXP	LIBOR	5.687%	\$ (146,195)	\$ (131,971)	\$ (411,081)	\$ (5,331,615)	\$ 16,105,087	\$ (13,894,913)			
3/10/2007	3/10/2029	17.5	CG	\$ 30,000,000	FXP	LIBOR	5.687%	\$ (146,195)	\$ (131,971)	\$ (411,081)	\$ (5,331,615)	\$ 16,096,326	\$ (13,903,674)			
Totals/Weighted Avgs				12.2	\$ 130,000,000		5.949%	\$ (663,900)	\$ (599,334)	\$ (1,866,735)	\$ (25,109,170)	\$ 78,389,256	\$ (51,610,744)			
Total Current Year Active Swaps								\$ (663,900)	\$ (599,334)	\$ (1,866,735)	\$ (25,109,170)	\$ 78,389,256	\$ (51,610,744)			

Current Fiscal Year Terminated Swaps								Cash Flow				Mark to Market	
Effective Date	Maturity Date		Counter Party	Notional Amt	Type	Base Index	Fixed Rate	Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Current Mark to Market	Notional Difference
Total Current Year Terminated Swaps								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Current Fiscal Year - Total Swaps								Cash Flow				Mark to Market	
								Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Current Mark to Market	Notional Difference
Total Current Year Active & Terminated Swaps								\$ (663,900)	\$ (599,334)	\$ (1,866,735)	\$ (25,109,170)	\$ 78,389,256	\$ (51,610,744)



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt	
Cash Flow to Date	
Synthetic Fixed =	\$44,576,436
Fixed Rate =	\$49,278,947
Assumptions:	
- Fixed rate debt issued at 5.10% in Jun-06, and 4.93% in Mar-07 (estimated TE rates - Bloomberg)	
- 'Synthetic' includes swap cash flow + interest + fees to date	

Exhibit "C"

IRWD Ledger Payment Register For 01-SEP-11 To 30-SEP-11 Report Date: 30-SEP-2011 14:09
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 1
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323092		01-SEP-11	CITY OF IRVINE	PAY	474.00			Negotiable
323093		01-SEP-11	ARCADIS U.S., INC.		4,735.60			Negotiable
323094		01-SEP-11	BISSONNETTE, GARY		22.14			Negotiable
323095		01-SEP-11	BORGEN HEAVY		961.32			Negotiable
323096		01-SEP-11	EQUIPMENT REPAIR,		15.00			Negotiable
323097		01-SEP-11	BROOKFIELD HOMES		22,487.92			Negotiable
323098		01-SEP-11	CALIFORNIA BANK &					Negotiable
323099		01-SEP-11	TRUST		1,185.00			Negotiable
323100		01-SEP-11	CALIFORNIA					Negotiable
323101		01-SEP-11	BARRICADE INC		3,230.00			Negotiable
323102		01-SEP-11	COASTAL TRAFFIC					Negotiable
323103		01-SEP-11	SYSTEMS, INC		75.92			Negotiable
323104		01-SEP-11	CONN-RHODES, LEONA		3,714.00			Negotiable
323105		01-SEP-11	CORELOGIC INC		24.32			Negotiable
323106		01-SEP-11	COX, CHRIS		4,425.00			Negotiable
323107		01-SEP-11	DCSE INC		222.45			Negotiable
323108		01-SEP-11	DEACON, AMOS R.		2,247.55			Negotiable
323109		01-SEP-11	DJ NELSON & SON					Negotiable
323110		01-SEP-11	POOL SERVICE		4,128.57			Negotiable
323111		01-SEP-11	DUDEK		301.50			Negotiable
323112		01-SEP-11	EQUIPCO SALES &		174.81			Negotiable
323113		01-SEP-11	SERVICE					Negotiable
323114		01-SEP-11	FARRELL &		298.75			Negotiable
323115		01-SEP-11	ASSOCIATES		18,132.00			Negotiable
323116		01-SEP-11	FISERV		1,018.54			Negotiable
323117		01-SEP-11	GEOSCIENCE SUPPORT					Negotiable
323118		01-SEP-11	SERVICES INC		81.29			Negotiable
323119		01-SEP-11	HDR ENGINEERING		30.11			Negotiable
323120		01-SEP-11	INC		46.18			Negotiable
323121		01-SEP-11	HILL, BRIAN					Negotiable
323122		01-SEP-11	HSIN, RICKY		79.02			Negotiable
323123		01-SEP-11	INDUSTRIAL METAL					Negotiable
		01-SEP-11	SUPPLY CO					Negotiable
		01-SEP-11	IRVINE COMMUNITY		22.32			Negotiable
		01-SEP-11	DEVELOPMENT		29,112.00			Negotiable
		01-SEP-11	COMPANY		11,047.31			Negotiable
		01-SEP-11	JANKORD, JOE		13.59			Negotiable
		01-SEP-11	JOHNSON-PELTIER		16.63			Negotiable
		01-SEP-11	JWC ENVIRONMENTAL		2,800.00			Negotiable
		01-SEP-11	KARNNAD, KAIRA					Negotiable
		01-SEP-11	KENNEDY, LAUREN		47.21			Negotiable
		01-SEP-11	KILL-N-BUGS		8,978.00			Negotiable
		01-SEP-11	TERMITE AND PEST					Negotiable
		01-SEP-11	CONTROL SERVICES					Negotiable
		01-SEP-11	KIM, CHUNG					Negotiable
		01-SEP-11	KONECRANES INC					Negotiable

IRWD Ledger

Payment Register For 01-SEP-11 To 30-SEP-11

Report Date: 30-SEP-2011 14:09

BANK: Bank of America N.A.

Branch : Los Angeles

Account: Checking AP and PR

Page: 2

Bank Account Currency: USD (US Dollar)

Payment Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323124		01-SEP-11	KS DIRECT LLC		1,846.75			Negotiable
323125		01-SEP-11	LAYNE CHRISTENSEN COMPANY		68,622.66			Negotiable
323126		01-SEP-11	LEONARD, JOHN R		34.00			Negotiable
323127		01-SEP-11	LGC GEOTECHNICAL, INC.		1,400.00			Negotiable
323128		01-SEP-11	LIANG, SU		34.34			Negotiable
323129		01-SEP-11	LINZEY, SHARON		15.76			Negotiable
323130		01-SEP-11	LOH, RAYMOND		114.63			Negotiable
323131		01-SEP-11	MBC APPLIED ENVIRONMENTAL SCIENCES		3,000.00			Negotiable
323132		01-SEP-11	MERCHANTS LANDSCAPE SERVICES INC		28,582.56			Negotiable
323133		01-SEP-11	MISSION COMMUNICATIONS LLC		5,946.90			Negotiable
323134		01-SEP-11	MK POWER LLC		2,400.00			Negotiable
323135		01-SEP-11	ON ASSIGNMENT LAB SUPPORT		1,244.80			Negotiable
323136		01-SEP-11	ORANGE COUNTY HOSE		549.29			Negotiable
323137		01-SEP-11	PAC RIM ENGINEERING		2,185.00			Negotiable
323138		01-SEP-11	PACIFIC LIFE INSURANCE CO		290.00			Negotiable
323139		01-SEP-11	PACIFIC RESOURCE RECOVERY		1,117.83			Negotiable
323140		01-SEP-11	PARKHOUSE TIRE INC		1,943.13			Negotiable
323141		01-SEP-11	PAULUS ENGINEERING INC		5,163.43			Negotiable
323142		01-SEP-11	PEIRSON, MEGAN		27.47			Negotiable
323143		01-SEP-11	POWER DESIGN		2,293.48			Negotiable
323144		01-SEP-11	PRUDENTIAL OVERALL SUPPLY		460.10			Negotiable
323145		01-SEP-11	RASOULZADEH, HESAM		21.41			Negotiable
323146		01-SEP-11	RED MANGO INC		118.41			Negotiable
323147		01-SEP-11	RJS SOFTWARE SYSTEMS INC		6,555.00			Negotiable
323148		01-SEP-11	RRM DESIGN GROUP		1,080.00			Negotiable
323149		01-SEP-11	SAMI, ANJO		56.99			Negotiable
323150		01-SEP-11	SCHINDLER ELEVATOR CORPORATION		169.16			Negotiable
323151		01-SEP-11	SONG, CHAEWON		39.79			Negotiable
323152		01-SEP-11	SOUTH ORANGE COUNTY WASTEWATER AUTHORITY		93,220.00			Negotiable

IRWD Ledger

Payment Register For 01-SEP-11 To 30-SEP-11

Report Date: 30-SEP-2011 14:09

BANK: Bank of America N.A.

Branch : Los Angeles

Account: Checking AP and PR

Page: 3

Bank Account Currency: USD (US Dollar)

Payment Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323153		01-SEP-11	SUN, ELAINE		99.62			Negotiable
323154		01-SEP-11	T AND S LARSEN MAINTENANCE		360.00			Negotiable
323155		01-SEP-11	TESTAMERICA LABORATORIES, INC		56.70			Negotiable
323156		01-SEP-11	THOMAS, WILLIAM		5.32			Negotiable
323157		01-SEP-11	TROPICAL PLAZA NURSERY INC		17,079.50			Negotiable
323158		01-SEP-11	URS CORPORATION		634.27			Negotiable
323159		01-SEP-11	US PEROXIDE LLC		14,446.65			Negotiable
323160		01-SEP-11	VULCAN MATERIALS COMPANY		1,251.06			Negotiable
323161		01-SEP-11	WALTERS WHOLESALE ELECTRIC		2,099.64			Negotiable
323162		01-SEP-11	WAXIE'S ENTERPRISES, INC		1,110.46			Negotiable
323163		01-SEP-11	WORKFLOWONE		2,301.37			Negotiable
323164		01-SEP-11	YOLAR, ROBIN		66.00			Negotiable
323165		01-SEP-11	ZEE MEDICAL		1,973.90			Negotiable
323166		01-SEP-11	ZUGHNI, SAM		79.95			Negotiable
323167		08-SEP-11	SOUTHERN CALIFORNIA EDISON COMPANY	IRVINE	9,000.00			Negotiable
323168		08-SEP-11	SOUTHERN CALIFORNIA EDISON COMPANY	SANTA ANA	4,648.04			Negotiable
323169		08-SEP-11	ACTION ELECTRIC CORP		727.64			Negotiable
323170		08-SEP-11	ADS LLC		1,936.50			Negotiable
323171		08-SEP-11	ADT SECURITY SERVICES INC		507.63			Negotiable
323172		08-SEP-11	AGUIRRE PAINTING INC		9,628.33			Negotiable
323173		08-SEP-11	ALEXANDER CONTRACT SERVICES INC		97,736.29			Negotiable
323174		08-SEP-11	AMERICAN MESSAGING SERVICES LLC		286.70			Negotiable
323175		08-SEP-11	APPLIED SPECIATION AND CONSULTING, LLC		1,250.00			Negotiable
323176		08-SEP-11	ARCADIS U.S., INC.		4,149.13			Negotiable
323177		08-SEP-11	ARMORCAST PRODUCTS COMPANY		5,483.62			Negotiable
323178		08-SEP-11	AT&T		5,260.28			Negotiable
323179		08-SEP-11	AVISTA TECHNOLOGIES, INC		2,364.25			Negotiable

IRWD Ledger

Payment Register For 01-SEP-11 To 30-SEP-11

Report Date: 30-SEP-2011 14:09

BANK: Bank of America N.A.

Branch : Los Angeles

Account: Checking AP and PR

Page: 4

Bank Account Currency: USD (US Dollar)

Payment Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323180		08-SEP-11	BAKER, JACQLENE		44.79			Negotiable
323181		08-SEP-11	BAY SECURITY		3,708.00			Negotiable
323182		08-SEP-11	BIOMAGIC INC		8,894.21			Negotiable
323183		08-SEP-11	BORCHARD SURVEYING & MAPPING, INC.		5,402.50			Negotiable
323184		08-SEP-11	ERENNTAG PACIFIC INC		8,491.70			Negotiable
323185		08-SEP-11	BUTIER ENGINEERING INC		51,200.00			Negotiable
323186		08-SEP-11	CAL WATER PURIFICATION		90.00			Negotiable
323187		08-SEP-11	CALIFORNIA BARRICADE INC		4,032.50			Negotiable
323188		08-SEP-11	CANON FINANCIAL SERVICES INC		4,458.22			Negotiable
323189		08-SEP-11	CAPTIVE AUDIENCE MARKETING INC.		85.12			Negotiable
323190		08-SEP-11	CHEN, YUEH MEI		27.64			Negotiable
323191		08-SEP-11	CITY CIRCUIT BREAKERS		2,209.95			Negotiable
323192		08-SEP-11	COASTAL TRAFFIC SYSTEMS, INC		1,360.00			Negotiable
323193		08-SEP-11	COMMERCIAL CLEANING SYSTEMS INC		10,845.99			Negotiable
323194		08-SEP-11	COMPUTER AIDED SOLUTIONS, LLC		396.00			Negotiable
323195		08-SEP-11	CONEYBEARE INC		3,281.22			Negotiable
323196		08-SEP-11	COX COMMUNICATIONS		256.58			Negotiable
323197		08-SEP-11	CPWH		189.29			Negotiable
323198		08-SEP-11	CREDENTIAL CHECK CORPORATION		180.25			Negotiable
323199		08-SEP-11	DANBRU WIRE & CABLE, INC		4,396.20			Negotiable
323200		08-SEP-11	DEE JASPAR & ASSOCIATES, INC.		16,759.27			Negotiable
323201		08-SEP-11	DEREVERE & ASSOCIATES		6,890.00			Negotiable
323202		08-SEP-11	DIONEX CORPORATION		84,973.42			Negotiable
323203		08-SEP-11	EAST ORANGE COUNTY WATER DISTRICT		65,377.99			Negotiable
323204		08-SEP-11	ENTERPRISE INFORMATION SYSTEMS INC		6,825.00			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323205		08-SEP-11	ENVIRONMENTAL RESOURCE ASSOCIATES		102.34			Negotiable
323206		08-SEP-11	ESA PWA		53,821.22			Negotiable
323207		08-SEP-11	EXPRESSAIR		362.75			Negotiable
323208		08-SEP-11	FARRELL & ASSOCIATES		1,827.41			Negotiable
323209		08-SEP-11	FEDEX		402.63			Negotiable
323210		08-SEP-11	FERGUSON WATERWORKS		1,296.88			Negotiable
323211		08-SEP-11	FIDELITY INVESTMENTS		440.00			Negotiable
323212		08-SEP-11	FIRST CHOICE SERVICES		2,256.48			Negotiable
323213		08-SEP-11	FRANCHISE TAX BOARD		450.00			Negotiable
323214		08-SEP-11	FRANK LA PLACA EXTERMINATING INC		175.00			Negotiable
323215		08-SEP-11	GARCIA, BRAD		1,560.33			Negotiable
323216		08-SEP-11	GARZA INDUSTRIES, INC		1,292.57			Negotiable
323217		08-SEP-11	GEI CONSULTANTS INC		34,488.19			Negotiable
323218		08-SEP-11	GENTERRA CONSULTANTS INC		2,578.85			Negotiable
323219		08-SEP-11	GLOBALSTAR INC		168.36			Negotiable
323220		08-SEP-11	GODWIN PUMPS OF AMERICA, INC.		6,274.50			Negotiable
323221		08-SEP-11	GRAINGER		369.88			Negotiable
323222		08-SEP-11	H2O INNOVATION USA INC		373.99			Negotiable
323223		08-SEP-11	HARPER & ASSOCIATES ENGINEERING INC		6,138.75			Negotiable
323224		08-SEP-11	HDR ENGINEERING INC		3,582.17			Negotiable
323225		08-SEP-11	HEARTLAND BUSINESS CREDIT CORPORATION		570.58			Negotiable
323226		08-SEP-11	HILL BROTHERS CHEMICAL COMPANY		21,467.43			Negotiable
323227		08-SEP-11	HOME DEPOT USA INC		1,145.21			Negotiable
323228		08-SEP-11	HOPKINS TECHNICAL PRODUCTS INC		1,837.84			Negotiable
323229		08-SEP-11	HOSE SOLUTIONS INC.		595.00			Negotiable

BANK: Bank of America N.A. Branch : Los Angeles
 Bank Account Currency: USD (US Dollar)
 Payment Type: All

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 Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323230		08-SEP-11	HUNSAKER & ASSOCIATES IRVINE		448.00			Negotiable
323231		08-SEP-11	I. KRUGER INC.		17,825.00			Negotiable
323232		08-SEP-11	INDUSTRIAL METAL SUPPLY CO		247.06			Negotiable
323233		08-SEP-11	INTERNAL REVENUE SERVICE		25.00			Negotiable
323234		08-SEP-11	IRVINE PIPE & SUPPLY INC		717.29			Negotiable
323235		08-SEP-11	IRWD-PETTY CASH CUSTODIAN		1,119.14			Negotiable
323236		08-SEP-11	ISENBERG/O'HAREN		6,638.00			Negotiable
323237		08-SEP-11	JCI JONES CHEMICALS INC		5,505.50			Negotiable
323238		08-SEP-11	JOHN G. ALEVIZOS D.O. INC.		25.00			Negotiable
323239		08-SEP-11	KAY CAPITAL PARTNERS LLC		68.41			Negotiable
323240		08-SEP-11	KELLY SERVICES INC		5,914.75			Negotiable
323241		08-SEP-11	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		550.00			Negotiable
323242		08-SEP-11	KNIGHT, ADAM		28.86			Negotiable
323243		08-SEP-11	KONECRANES INC		2,750.00			Negotiable
323244		08-SEP-11	LCS Technologies, Inc.		4,500.00			Negotiable
323245		08-SEP-11	LSA ASSOCIATES INC		3,922.11			Negotiable
323246		08-SEP-11	M. GAISER ENTERPRISES, INC		2,700.31			Negotiable
323247		08-SEP-11	MARVIN GARDENS LLC		155.16			Negotiable
323248		08-SEP-11	MEASUREMENT CONTROL SYSTEMS		1,721.24			Negotiable
323249		08-SEP-11	MOBILE MODULAR MANAGEMENT CORPORATION		1,108.75			Negotiable
323250		08-SEP-11	MUTUAL PROPANE		144.33			Negotiable
323251		08-SEP-11	NATIONAL READY MIXED CONCRETE CO		1,506.82			Negotiable
323252		08-SEP-11	NCL OF WISCONSIN INC		156.80			Negotiable
323253		08-SEP-11	NINYO & MOORE		7,820.00			Negotiable
323254		08-SEP-11	NORITSU AMERICA CORPORATION		280.00			Negotiable
323255		08-SEP-11	NUBRIDGES INC		2,430.00			Negotiable
323256		08-SEP-11	NWRI CHILDRENS WATER EDUCATION		50,000.00			Negotiable

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Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323257		08-SEP-11	OLIN CORPORATION		27,695.71			Negotiable
323258		08-SEP-11	ON ASSIGNMENT LAB SUPPORT		3,049.76			Negotiable
323259		08-SEP-11	ONESOURCE DISTRIBUTORS LLC		3,683.69			Negotiable
323260		08-SEP-11	ORACLE AMERICA, INC.		20,609.04			Negotiable
323261		08-SEP-11	ORANGE COUNTY FIRE AUTHORITY		309.00			Negotiable
323262		08-SEP-11	ORANGE COUNTY TREASURER		1,938.96			Negotiable
323263		08-SEP-11	ORANGE, COUNTY OF		2,365.00			Negotiable
323264		08-SEP-11	ORDONEZ, CYNTHIA MARIE		638.50			Negotiable
323265		08-SEP-11	PAUL E BRADLEY INC		11,160.00			Negotiable
323266		08-SEP-11	PERS LONG TERM CARE		1,885.48			Negotiable
323267		08-SEP-11	PINNACLE LANDSCAPE COMPANY		922.22			Negotiable
323268		08-SEP-11	POLLARDWATER.COM		1,418.97			Negotiable
323269		08-SEP-11	PONTON INDUSTRIES INC		324.54			Negotiable
323270		08-SEP-11	POWER DESIGN		326.24			Negotiable
323271		08-SEP-11	PRAXAIR DISTRIBUTION INC		877.76			Negotiable
323272		08-SEP-11	PRIORITY MAILING SYSTEMS LLC		58.65			Negotiable
323273		08-SEP-11	PRUDENTIAL OVERALL SUPPLY		791.09			Negotiable
323274		08-SEP-11	QUICKEL PAVING INC		9,995.00			Negotiable
323275		08-SEP-11	R & S SOIL PRODUCTS INC		560.30			Negotiable
323276		08-SEP-11	RAINBOW DISPOSAL CO INC		459.27			Negotiable
323277		08-SEP-11	RAM AIR ENGINEERING INC		330.00			Negotiable
323278		08-SEP-11	REED, JAMES D		1,935.85			Negotiable
323279		08-SEP-11	RIDGE LANDSCAPE ARCHITECTS		97.22			Negotiable
323280		08-SEP-11	RJS SOFTWARE SYSTEMS INC		3,325.00			Negotiable
323281		08-SEP-11	ROBERTS CONSULTING GROUP, INC.		9,000.00			Negotiable
323282		08-SEP-11	SANTA ANA BLUE PRINT		2,173.70			Negotiable
323283		08-SEP-11	SANTA ANA CITY OF		54,855.15			Negotiable

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Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323284		08-SEP-11	SANTA ANA CITY OF		44.09			Negotiable
323285		08-SEP-11	SARBS-CALIFORNIA WATER		110.00			Negotiable
323286		08-SEP-11	SECURTEC DISTRICT PATROL INC		3,700.00			Negotiable
323287		08-SEP-11	SHAMROCK SUPPLY CO INC		267.79			Negotiable
323288		08-SEP-11	SIRIUS COMPUTER SOLUTIONS INC		10,280.00			Negotiable
323289		08-SEP-11	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		19,169.74			Negotiable
323290		08-SEP-11	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		112.31			Negotiable
323291		08-SEP-11	SOUTHERN CALIFORNIA EDISON COMPANY		10,335.87			Negotiable
323292		08-SEP-11	SOUTHERN COUNTIES LUBRICANTS LLC		1,391.00			Negotiable
323293		08-SEP-11	STANTEC CONSULTING SERVICES INC.		4,906.22			Negotiable
323294		08-SEP-11	STEVEN ENTERPRISES INC		85.83			Negotiable
323295		08-SEP-11	TEKDRAULICS		972.01			Negotiable
323296		08-SEP-11	TESTAMERICA LABORATORIES, INC		757.50			Negotiable
323297		08-SEP-11	TETRA TECH, INC		57,325.60			Negotiable
323298		08-SEP-11	THE FENCE GUY		1,530.00			Negotiable
323299		08-SEP-11	THE GAS COMPANY		21.82			Negotiable
323300		08-SEP-11	TRUGREEN LANDCARE LLC		41,000.00			Negotiable
323301		08-SEP-11	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA		688.50			Negotiable
323302		08-SEP-11	UNITED SITE SERVICES OF CALIFORNIA INC		344.28			Negotiable
323303		08-SEP-11	UNITED STATES POST OFFICE		29,250.00			Negotiable
323304		08-SEP-11	UNITED STATES POSTAL SERVICE		52.67			Negotiable
323305		08-SEP-11	UNIVAR USA INC		2,375.24			Negotiable
323306		08-SEP-11	US PEROXIDE LLC		19,575.30			Negotiable
323307		08-SEP-11	VA CONSULTING, INC		2,197.31			Negotiable

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Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323308		08-SEP-11	VERIZON CALIFORNIA INC		250.68			Negotiable
323309		08-SEP-11	VULCAN MATERIALS COMPANY		1,247.75			Negotiable
323310		08-SEP-11	WALTERS WHOLESALE ELECTRIC		933.61			Negotiable
323311		08-SEP-11	WASTE MANAGEMENT OF ORANGE COUNTY		1,573.94			Negotiable
323312		08-SEP-11	WAXIE'S ENTERPRISES, INC		1,401.39			Negotiable
323313		08-SEP-11	WECK LABORATORIES INC		4,725.00			Negotiable
323314		08-SEP-11	WIRELESS WATCHDOGS LLC		1,232.00			Negotiable
323315		08-SEP-11	YOUNG, CHARLES		15.00			Negotiable
323316		08-SEP-11	Charles Boone		152.00			Negotiable
323317		08-SEP-11	Charles Hjorth		150.00			Negotiable
323318		08-SEP-11	Chris Kinner		132.00			Negotiable
323319		08-SEP-11	Douglas Rock		80.00			Negotiable
323320		08-SEP-11	Franklin Tessers		140.06			Negotiable
323321		08-SEP-11	Gina Jackson		67.64			Negotiable
323322		08-SEP-11	Johnnie Johannessen		105.00			Negotiable
323323		08-SEP-11	Lars Oldewage		188.90			Negotiable
323324		08-SEP-11	Michael Hoffman		132.00			Negotiable
323325		08-SEP-11	Patricia Uematsu		96.75			Negotiable
323326		08-SEP-11	Raghavender Joshi		125.00			Negotiable
323327		08-SEP-11	Rory Moore		162.06			Negotiable
323328		08-SEP-11	Thomas Bonkowski		55.00			Negotiable
323329		08-SEP-11	Wayne Wright		209.20			Negotiable
323330		09-SEP-11	KPRS CONSTRUCTION BREA SERVICES, INC		270,724.05			Negotiable
323331		13-SEP-11	ORANGE, COUNTY OF SANTA ANA 4		6,300.00			Negotiable
323332		13-SEP-11	PAPER DEPOT DOCUMENT DESTRUCTION LLC	ORANGE	694.00			Negotiable
323333		13-SEP-11	PAPER DEPOT DOCUMENT DESTRUCTION LLC	ORANGE	561.00			Negotiable
323334		13-SEP-11	PAUL E BRADLEY INCPAY		6,120.00			Negotiable
323335		13-SEP-11	RAININ INSTRUMENT PAY LLC		87.51			Negotiable
323336		13-SEP-11	PACIFIC HYDROTECH PERRIS CORPORATION		1,826.36			Negotiable

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Payment Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323337		13-SEP-11	PACIFIC HYDROTECH CORPORATION	LOS ANGELES	202.93			Negotiable
323338		13-SEP-11	QUINDAZZI, MICHAEL	HUNTINGTON BEAC	14.00			Negotiable
323339		13-SEP-11	REFRIGERATION SUPPLIES	PAY	300.54			Negotiable
323340		13-SEP-11	REYES, CHRIS	MARTINEZ	29.29			Negotiable
323341		13-SEP-11	RICHTER, ROBIN D	TRABUCO CANYON	118.06			Negotiable
323342		13-SEP-11	SANTA MARGARITA WATER DISTRICT	PAY	1,983.20			Negotiable
323343		13-SEP-11	SANTIAGO AQUEDUCT COMMISSION	PAY	2,550.93			Negotiable
323344		13-SEP-11	SANTIAGO AQUEDUCT COMMISSION	PAY	30,936.75			Negotiable
323345		13-SEP-11	SARIGUMBA, VALERIE	SEATTLE	225.29			Negotiable
323346		13-SEP-11	SAVINO, TOM	IRVINE	147.11			Negotiable
323347		13-SEP-11	SECURTEC DISTRICT PATROL INC		3,700.00			Negotiable
323348		13-SEP-11	SIRIUS COMPUTER SOLUTIONS INC	DALLAS	2,389.35			Negotiable
323349		13-SEP-11	THE FENCE GUY	MURRIETA	3,485.00			Negotiable
323350		13-SEP-11	THE GAS COMPANY	MONTEREY PARK 1	50.00			Negotiable
323351		13-SEP-11	TRANSFORMER TESTING	PAY	975.00			Negotiable
323352		13-SEP-11	UTILITY SYSTEMS SCIENCE & SOFTWARE INC.	SANTA ANA	580.00			Negotiable
323353		13-SEP-11	WATER RESEARCH FOUNDATION	PAY	6,441.00			Negotiable
323354		13-SEP-11	WECK LABORATORIES INC	PAY	540.00			Negotiable
323355		13-SEP-11	WECK LABORATORIES INC	PAY	660.00			Negotiable
323356		13-SEP-11	PINNACLE TOWERS LLC	ATLANTA	547.44			Negotiable
323357		13-SEP-11	PINNACLE TOWERS LLC	ATLANTA	547.44			Negotiable
323358		13-SEP-11	PRUDENTIAL OVERALL SUPPLY	IRVINE	23.87			Negotiable
323359		13-SEP-11	PASCAL & LUDWIG CONSTRUCTORS	ONTARIO	646,896.65			Negotiable
323360		13-SEP-11	PASCAL & LUDWIG CONSTRUCTORS	ONTARIO 2	71,877.41			Negotiable

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Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323361		13-SEP-11	WAXIE'S ENTERPRISES, INC	PAY	669.83			Negotiable
323362		13-SEP-11	TOXGUARD FLUID TECHNOLOGIES	STANTON	230.80			Negotiable
323363		13-SEP-11	SUPPORT PRODUCTS SERVICES	LAKE ELSINORE	585.52			Negotiable
323364		13-SEP-11	SHAMROCK SUPPLY INC	COPAY	1,438.42			Negotiable
323365		13-SEP-11	PSOMAS	LOS ANGELES	18,416.74			Negotiable
323366		13-SEP-11	PSOMAS	LOS ANGELES	2,036.00			Negotiable
323367		13-SEP-11	PSOMAS	LOS ANGELES	267.66			Negotiable
323368		13-SEP-11	VULCAN MATERIALS COMPANY	PAY	1,213.78			Negotiable
323369		13-SEP-11	TROPICAL PLAZA NURSERY INC	PAY	9,912.75			Negotiable
323370		13-SEP-11	TROPICAL PLAZA NURSERY INC	PAY	59,537.17			Negotiable
323371		13-SEP-11	SANTA ANA BLUE PRINT	IRVINE	1,264.04			Negotiable
323372		13-SEP-11	SANTA ANA BLUE PRINT	IRVINE	96.62			Negotiable
323373		13-SEP-11	AARP HEALTH CARE OPTIONS		210.92			Negotiable
323374		13-SEP-11	ABUAF, CECILIA		32.69			Negotiable
323375		13-SEP-11	AD WILSON INC		1,000.00			Negotiable
323376		13-SEP-11	ALI, ZEESHAN		144.89			Negotiable
323377		13-SEP-11	ANDERSON, COURTNEY		27.42			Negotiable
323378		13-SEP-11	ANTHEM BLUE CROSS		487.00			Negotiable
323379		13-SEP-11	AQUA-METRIC SALES COMPANY		3,106.04			Negotiable
323380		13-SEP-11	ASSIST PROPERTIES LLC		61.15			Negotiable
323381		13-SEP-11	ATECH ENGINEERING & MFG INC		70.04			Negotiable
323382		13-SEP-11	BARBER, ANTONY		28.03			Negotiable
323383		13-SEP-11	BATTERY SYSTEMS INC		3,582.57			Negotiable
323384		13-SEP-11	BOPPANA, RAO		13.40			Negotiable
323385		13-SEP-11	BORCHARD SURVEYING & MAPPING, INC.		11,925.00			Negotiable
323386		13-SEP-11	BRENNTAG PACIFIC INC		19,852.87			Negotiable
323387		13-SEP-11	BROOKFIELD HOMES		40.73			Negotiable

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Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323388		13-SEP-11	BUEHLMAN, DEVINA		22.75			Negotiable
323389		13-SEP-11	BURTMAN, SHARON		7.08			Voided
323390		13-SEP-11	CALIFORNIA		3,370.00			Negotiable
			BARRICADE INC					
323391		13-SEP-11	CALIFORNIA DEPT OF		7,331.00			Negotiable
			PUBLIC HEALTH					
323392		13-SEP-11	CAMPBELL, THOMAS J		30.00			Negotiable
323393		13-SEP-11	CANNATELLI, LEN		16.64			Negotiable
323394		13-SEP-11	CANON FINANCIAL		3,391.13			Negotiable
			SERVICES INC					
323395		13-SEP-11	CARL WARREN & CO		236.53			Negotiable
323396		13-SEP-11	CATON, MARK		22.28			Negotiable
323397		13-SEP-11	CDW GOVERNMENT LLC		7,805.66			Negotiable
323398		13-SEP-11	CHEN, HENRY		24.65			Negotiable
323399		13-SEP-11	CIRIGNANI, DIANE		35.39			Negotiable
323400		13-SEP-11	CITY CIRCUIT		215.50			Negotiable
			BREAKERS					
323401		13-SEP-11	CLEARINGHOUSE		574.16			Negotiable
323402		13-SEP-11	CLIENT GROUP		17.06			Negotiable
			PRIVATE					
323403		13-SEP-11	CLINTON, BRYAN		776.34			Negotiable
323404		13-SEP-11	COASTAL IGNITION &		5,544.67			Negotiable
			CONTROLS, INC					
323405		13-SEP-11	COASTAL TRAFFIC		510.00			Negotiable
			SYSTEMS, INC					
323406		13-SEP-11	CONEYBEARE INC		3,025.00			Negotiable
323407		13-SEP-11	CPI-INTERNATIONAL,		1,198.00			Negotiable
			INC					
323408		13-SEP-11	CR & R		11.98			Negotiable
			INCORPORATED					
323409		13-SEP-11	DANIEL, MARYANNE		268.99			Negotiable
			L.					
323410		13-SEP-11	DIFFEE, CHRIS		30.83			Negotiable
323411		13-SEP-11	EARTHQUAKE		260.13			Negotiable
			PREPAREDNESS					
			PRODUCTS					
323412		13-SEP-11	EISEL ENTERPRISES		6,828.98			Negotiable
			INC					
323413		13-SEP-11	EMPLOYEE BENEFIT		710.00			Negotiable
			SPECIALIST, INC					
323414		13-SEP-11	ENVIRON		6,901.13			Negotiable
			INTERNATIONAL					
			CORP.					
323415		13-SEP-11	ERIC BLASKA		100.00			Voided
323416		13-SEP-11	FIALLOS, MANUABL		141.85			Negotiable

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323417		13-SEP-11	FIDELITY SECURITY LIFE INSURANCE COMPANY		5,722.92			Negotiable
323418		13-SEP-11	FIRST HEALTH LIFE AND HEALTH INSURANCE COMPANY		42.60			Negotiable
323419		13-SEP-11	FISHER SCIENTIFIC COMPANY LLC		809.72			Negotiable
323420		13-SEP-11	FLEET SOLUTIONS LLC		25.00			Negotiable
323421		13-SEP-11	FLOW SCIENCE INCORPORATED		8,027.50			Negotiable
323422		13-SEP-11	FUNDING RESOURCES INC		32.45			Negotiable
323423		13-SEP-11	GEO SCIENCE SUPPORT SERVICES INC		18,672.00			Negotiable
323424		13-SEP-11	GRAND PROP SERVICES, INC		27.38			Negotiable
323425		13-SEP-11	GRAYBAR ELECTRIC COMPANY		2,562.58			Negotiable
323426		13-SEP-11	GUYMON, NICHOLE		34.50			Negotiable
323427		13-SEP-11	HACH COMPANY		8,489.85			Negotiable
323428		13-SEP-11	HARDING, KATRINA		20.91			Negotiable
323429		13-SEP-11	HARMSWORTH ASSOCIATES		1,032.50			Negotiable
323430		13-SEP-11	HILL BROTHERS CHEMICAL COMPANY		7,546.08			Negotiable
323431		13-SEP-11	HOANG, VICTOR		15.00			Negotiable
323432		13-SEP-11	HOME DEPOT USA INC		368.13			Negotiable
323433		13-SEP-11	HOMES OF CALIFORNIA		49.22			Negotiable
323434		13-SEP-11	HUGHES, RYAN		27.25			Negotiable
323435		13-SEP-11	HUMANA INSURANCE COMPANY		25.20			Negotiable
323436		13-SEP-11	IRON MOUNTAIN INFORMATION MANAGEMENT INC		1,662.66			Negotiable
323437		13-SEP-11	IRVINE BUSINESS CENTER INVEST		37.93			Negotiable
323438		13-SEP-11	IRVINE COMMUNITY DEVELOPMENT		1,694.85			Negotiable
323439		13-SEP-11	IRVINE PIPE & SUPPLY INC		2,422.57			Negotiable
323440		13-SEP-11	IRVINE PROPERTY MANAGEMENT		34.61			Negotiable
323441		13-SEP-11	ISENBERG/O' HAREN		6,903.11			Negotiable

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Bank Account Currency: USD (US Dollar)

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Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323442		13-SEP-11	JOHN MICHAEL COVAS		96.50			Negotiable
323443		13-SEP-11	JONES & STOKES ASSOCIATES, INC		212.50			Negotiable
323444		13-SEP-11	JOSE RIVERA, JR.		400.00			Negotiable
323445		13-SEP-11	JOSEPH, ROBERT (10111387089)		54.26			Negotiable
323446		13-SEP-11	KANDASAMY, WENDY		32.83			Negotiable
323447		13-SEP-11	KELLY SERVICES INC		1,429.00			Negotiable
323448		13-SEP-11	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		550.00			Negotiable
323449		13-SEP-11	KNYPSTRA, BRADLEY		45.52			Negotiable
323450		13-SEP-11	KOHARA, SETSUKKO		30.41			Negotiable
323451		13-SEP-11	KPRS CONSTRUCTION SERVICES, INC		2,536.55			Negotiable
323452		13-SEP-11	KS DIRECT LLC		7,193.20			Negotiable
323453		13-SEP-11	LAKE FOREST SUMMIT CREST LLC		666.50			Negotiable
323454		13-SEP-11	LEE, MYUNG		37.37			Negotiable
323455		13-SEP-11	LEWIS OPERATING CORP		2,100.00			Negotiable
323456		13-SEP-11	MALCON CIVILS INC		415.95			Negotiable
323457		13-SEP-11	MARIPOSA INVESTMENTS		24.65			Negotiable
323458		13-SEP-11	MASHINI, JOSEPH		24.90			Negotiable
323459		13-SEP-11	MESA CONSOLIDATED WATER DISTRICT		610.24			Negotiable
323460		13-SEP-11	MIRACLE, JOE		12.55			Negotiable
323461		13-SEP-11	MOBILE MODULAR MANAGEMENT CORPORATION		1,108.75			Negotiable
323462		13-SEP-11	MOUSE GRAPHICS		4,909.64			Negotiable
323463		13-SEP-11	MSC INDUSTRIAL SUPPLY CO		883.83			Negotiable
323464		13-SEP-11	NADI, SCHARKERA		77.52			Negotiable
323465		13-SEP-11	NATIONAL READY MIXED CONCRETE CO		1,744.24			Negotiable
323466		13-SEP-11	NEWPORT REAL ESTATE SERVICES INC		7,500.00			Negotiable
323467		13-SEP-11	NICHOLS, CAROL		15.00			Negotiable
323468		13-SEP-11	NINYO & MOORE		9,505.00			Negotiable
323469		13-SEP-11	NMG GEOTECHNICAL INC		2,251.00			Negotiable
323470		13-SEP-11	NORITSU AMERICA CORPORATION		697.48			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323471		13-SEP-11	OC NEWS & PRODUCTIONS		795.00			Negotiable
323472		13-SEP-11	OCONNOR, BRIAN		29.16			Negotiable
323473		13-SEP-11	OLIN CORPORATION		7,740.83			Negotiable
323474		13-SEP-11	ON ASSIGNMENT LAB SUPPORT		5,103.68			Negotiable
323475		13-SEP-11	ORANGE COUNTY FIRE PROTECTION		1,510.00			Negotiable
323476		13-SEP-11	ORANGE COUNTY PUMP		1,985.83			Negotiable
323477		13-SEP-11	ORANGE COUNTY TREASURER		143.13			Negotiable
323478		13-SEP-11	ORANGE, COUNTY OF		26,356.25			Negotiable
323479		13-SEP-11	PACIFIC ELITE COMMUNICATIONS		1,000.00			Negotiable
323480		13-SEP-11	PACIFIC GAS AND ELECTRIC COMPANY		18.29			Negotiable
323481		13-SEP-11	PAUL E BRADLEY INC		315.00			Negotiable
323482		13-SEP-11	PECK ROAD TRUCK		83,858.59			Negotiable
323483		13-SEP-11	PENHALL COMPANY		670.00			Negotiable
323484		13-SEP-11	PERKINELMER HEALTH SCIENCES INC		1,263.00			Negotiable
323485		13-SEP-11	PETERSON, MAUREEN		26.50			Negotiable
323486		13-SEP-11	PINNACLE TOWERS LLC		547.44			Negotiable
323487		13-SEP-11	PONTON INDUSTRIES INC		1,035.09			Negotiable
323488		13-SEP-11	PRAXAIR DISTRIBUTION INC		156.08			Negotiable
323489		13-SEP-11	PRUDENTIAL OVERALL SUPPLY		719.66			Negotiable
323490		13-SEP-11	PSOMAS		324.00			Negotiable
323491		13-SEP-11	QUALITY ENVIRONMENTAL		321.65			Negotiable
323492		13-SEP-11	RAM AIR ENGINEERING INC		942.62			Negotiable
323493		13-SEP-11	RBF CONSULTING		15,675.23			Negotiable
323494		13-SEP-11	RMR PHOTOGRAPHY		200.00			Negotiable
323495		13-SEP-11	ROTH, SUSAN		64.32			Negotiable
323496		13-SEP-11	SAGAWA, TORU		38.43			Negotiable
323497		13-SEP-11	SANTA ANA BLUE PRINT		512.52			Negotiable
323498		13-SEP-11	SCHINDLER ELEVATOR CORPORATION		169.16			Negotiable
323499		13-SEP-11	SCHRECK, MICHAEL		174.25			Negotiable
323500		13-SEP-11	SCIENTIFIC REFRIGERATION		719.70			Negotiable

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323501		13-SEP-11	SIRIUS COMPUTER SOLUTIONS INC		10,252.50			Negotiable
323502		13-SEP-11	SKYLINE BUSINESS PARK		72.20			Negotiable
323503		13-SEP-11	SOUTH COAST ANSWERING SERVICE		1,928.88			Negotiable
323504		13-SEP-11	SOUTHERN CALIFORNIA EDISON COMPANY		19,802.09			Negotiable
323505		13-SEP-11	SPINN, DOUG		70.29			Negotiable
323506		13-SEP-11	SS MECHANICAL CORPORATION		39,741.21			Negotiable
323507		13-SEP-11	STEVEN ENTERPRISES INC		544.96			Negotiable
323508		13-SEP-11	SULZER PUMPS US, INC.		172,102.85			Negotiable
323509		13-SEP-11	THOMAS, EVAN		12.41			Negotiable
323510		13-SEP-11	TOKEN AIR USA		101.71			Negotiable
323511		13-SEP-11	VANDERBERGH, WALRAVEN		27.11			Negotiable
323512		13-SEP-11	VWR INTERNATIONAL, LLC		52.43			Negotiable
323513		13-SEP-11	WALTERS WHOLESALE ELECTRIC		276.36			Negotiable
323514		13-SEP-11	WASTE MANAGEMENT OF ORANGE COUNTY		383.16			Negotiable
323515		13-SEP-11	WATER ENVIRONMENT RESEARCH FOUNDATION		7,038.00			Negotiable
323516		13-SEP-11	WAVE PROPERTIES FIRST		13.12			Negotiable
323517		13-SEP-11	WAWANESA AS SUBROGEE FOR HARISH K DANG		1,224.05			Negotiable
323518		13-SEP-11	WESTERN EXTERMINATOR COMPANY		7,362.50			Negotiable
323519		13-SEP-11	WESTSIDE BUILDING MATERIAL		402.15			Negotiable
323520		13-SEP-11	WILLIAMS, TWYLA		788.50			Negotiable
323521		13-SEP-11	WONDERWARE WEST		82,876.92			Negotiable
323522		13-SEP-11	WORKFLOWONE		2,301.37			Negotiable
323523		13-SEP-11	WU, JEFF		27.38			Negotiable
323524		13-SEP-11	YANG, VICTORIA		23.23			Negotiable
323525		13-SEP-11	Rusty Harlow	HOME	150.00			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323526		15-SEP-11	AMERICAN TRAINCO INC		2,955.00			Negotiable
323527		15-SEP-11	ARAMEXX CONSTRUCTION		479.31			Negotiable
323528		15-SEP-11	AT&T		168.88			Negotiable
323529		15-SEP-11	AVO TRAINING INSTITUTE, INC.		3,500.00			Negotiable
323530		15-SEP-11	BALLESTE, SONIA		107.71			Negotiable
323531		15-SEP-11	BASTIANELLI, SAMUEL R		22.32			Negotiable
323532		15-SEP-11	BERDINE, CHRIS		16.85			Negotiable
323533		15-SEP-11	BERTRAM, RACHEL		55.54			Negotiable
323534		15-SEP-11	BLUNDEDN, RICHARD		26.47			Negotiable
323535		15-SEP-11	BRIAN CONSTRUCTION CO INC		719.98			Negotiable
323536		15-SEP-11	BROOKFIELD HOMES		21.94			Negotiable
323537		15-SEP-11	BUCK, BETTY		30.65			Negotiable
323538		15-SEP-11	C WELLS PIPELINE MATERIALS INC		14,309.20			Negotiable
323539		15-SEP-11	CAMPBELL, MATT		27.68			Negotiable
323540		15-SEP-11	CARL WARREN & CO		981.17			Negotiable
323541		15-SEP-11	CHIEN, ENDA		30.62			Negotiable
323542		15-SEP-11	CITY OF IRVINE		499.30			Negotiable
323543		15-SEP-11	CITY OF LAKE FOREST		177,584.16			Negotiable
323544		15-SEP-11	COMMERCE NATIONAL BANK		88.65			Negotiable
323545		15-SEP-11	CONTROL AIR CONDITIONING CORP		927.14			Negotiable
323546		15-SEP-11	COPELAND, TOM		44.85			Negotiable
323547		15-SEP-11	CORELOGIC INC		36.00			Negotiable
323548		15-SEP-11	DCSE INC		12,034.00			Negotiable
323549		15-SEP-11	EMPLOYMENT DEVELOPMENT DEPARTMENT		25,141.00			Negotiable
323550		15-SEP-11	ERIC S. LISS		100.00			Negotiable
323551		15-SEP-11	EVANS, DAMIEN K		27.29			Negotiable
323552		15-SEP-11	FARRELL & ASSOCIATES		162.76			Negotiable
323553		15-SEP-11	FERGUSON, DAVID		5,462.72			Negotiable
323554		15-SEP-11	FLATIRON WEST INC		586,626.30			Negotiable
323555		15-SEP-11	FT ZIEBARTH COMPANY		17,100.00			Negotiable
323556		15-SEP-11	GATEWAY PACIFIC CONTRACTORS, INC.		10,342.05			Negotiable

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323557		15-SEP-11	GATEWAY PACIFIC CONTRACTORS, INC.		93,078.45			Negotiable
323558		15-SEP-11	GCI CONSTRUCTION, INC.		42,516.90			Negotiable
323559		15-SEP-11	GHODDOOCI, MASOUMEH		25.56			Negotiable
323560		15-SEP-11	Gretchen Maswadeh		840.22			Negotiable
323561		15-SEP-11	INDUSTRIAL METAL SUPPLY CO		740.54			Negotiable
323562		15-SEP-11	IRVINE PIPE & SUPPLY INC		1,249.83			Negotiable
323563		15-SEP-11	IRVINE PROPERTY MANAGEMENT		13.15			Negotiable
323564		15-SEP-11	IYER, KRIS V		248.09			Negotiable
323565		15-SEP-11	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		1,200.00			Negotiable
323566		15-SEP-11	KPRS CONSTRUCTION SERVICES, INC		567,760.27			Negotiable
323567		15-SEP-11	LEATHERWOOD CONSTRUCTION INC		764,422.67			Negotiable
323568		15-SEP-11	LEATHERWOOD CONSTRUCTION INC		84,935.85			Negotiable
323569		15-SEP-11	LEE & SAKAHARA ARCHITECTS, INC		3,757.51			Negotiable
323570		15-SEP-11	MARKET-THINK LLC		3,700.00			Negotiable
323571		15-SEP-11	MARTINEZ, JOSE III		1,158.24			Negotiable
323572		15-SEP-11	METRON FARNIER, LLC		2,580.29			Negotiable
323573		15-SEP-11	MURRAY, JEREMY		20.39			Negotiable
323574		15-SEP-11	NATIONAL READY MIXED CONCRETE CO		7,240.92			Negotiable
323575		15-SEP-11	NCH CORPORATION		734.04			Negotiable
323576		15-SEP-11	NIAZI, JABIV		30.10			Negotiable
323577		15-SEP-11	NMG GEOTECHNICAL INC		17,047.00			Negotiable
323578		15-SEP-11	OLIN CORPORATION		3,911.82			Negotiable
323579		15-SEP-11	OLSON, RICHARD		2,966.78			Negotiable
323580		15-SEP-11	ORANGE COUNTY FIRE AUTHORITY		15.00			Negotiable
323581		15-SEP-11	ORANGE, COUNTY OF		325.00			Voided
323582		15-SEP-11	PARK, SOPHIA		43.94			Voided
323583		15-SEP-11	PASCAL & LUDWIG CONSTRUCTORS		30,774.00			Voided
323584		15-SEP-11	PASCAL & LUDWIG CONSTRUCTORS		276,966.00			Voided

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323585		15-SEP-11	PETERSEN, JAIME		82.81			Voided
323586		15-SEP-11	PINTO, JACK M		811.79			Voided
323587		15-SEP-11	PRECISE PROPERTIES		11.85			Voided
323588		15-SEP-11	PRISLIN, MICHAEL D		34.19			Voided
323589		15-SEP-11	PTI SAND & GRAVEL INC		1,057.17			Voided
323590		15-SEP-11	RAM AIR ENGINEERING INC		1,111.01			Voided
323591		15-SEP-11	REA, BARBARA		761.57			Voided
323592		15-SEP-11	REDDY, MYPATI		28.59			Voided
323593		15-SEP-11	ROOHIAN, RON		19.24			Voided
323594		15-SEP-11	SANTA ANA BLUE PRINT		95.55			Voided
323595		15-SEP-11	SEMA CONSTRUCTION INC		5,005.47			Voided
323596		15-SEP-11	SEMA CONSTRUCTION INC		45,049.19			Voided
323597		15-SEP-11	SMITH, MARILYN		500.00			Voided
323598		15-SEP-11	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		303.56			Voided
323599		15-SEP-11	SOUTHERN CALIFORNIA EDISON COMPANY		15,835.01			Voided
323600		15-SEP-11	SPARKLETTS		91.40			Voided
323601		15-SEP-11	STERILIZER TECHNICAL		300.56			Voided
323602		15-SEP-11	SUPERMEDIA LLC		69.75			Voided
323603		15-SEP-11	TEE COMMERCIAL ADVISORS LLC		16.81			Voided
323604		15-SEP-11	TETRA TECH, INC		14,426.55			Voided
323605		15-SEP-11	TETRA TECH, INC		12,682.50			Voided
323606		15-SEP-11	THE FURMAN GROUP		10,389.00			Voided
323607		15-SEP-11	TROPICAL PLAZA NURSERY INC		19,993.14			Voided
323608		15-SEP-11	TRUONG, MICHELLE		29.06			Voided
323609		15-SEP-11	US BANK NAT'L ASSOCIATION NORTH DAKOTA		168,835.76			Voided
323610		15-SEP-11	VERIZON CALIFORNIA INC		37.42			Voided
323611		15-SEP-11	VITAR, JOCELYNN		46.47			Voided
323612		15-SEP-11	WARMINGTON HOMES		43.12			Voided
323613		15-SEP-11	WAXIE'S ENTERPRISES, INC		735.10			Voided

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Payment Document : IRWD CHECK								
323614		15-SEP-11	WECK LABORATORIES INC		585.00			Voided
323615		15-SEP-11	WILLIAMS, LANCE		16.76			Voided
323616		15-SEP-11	ORANGE, COUNTY OF SANTA ANA		0.00			Negotiable
323617		15-SEP-11	ORANGE, COUNTY OF SANTA ANA	4	0.00			Negotiable
323618		15-SEP-11	ORANGE, COUNTY OF		325.00			Negotiable
323619		15-SEP-11	PARK, SOPHIA		43.94			Negotiable
323620		15-SEP-11	PASCAL & LUDWIG CONSTRUCTORS		30,774.00			Negotiable
323621		15-SEP-11	PASCAL & LUDWIG CONSTRUCTORS		276,966.00			Negotiable
323622		15-SEP-11	PETERSEN, JAIME		82.81			Negotiable
323623		15-SEP-11	PINTO, JACK M		811.79			Negotiable
323624		15-SEP-11	PRECISE PROPERTIES		11.85			Negotiable
323625		15-SEP-11	PRISLIN, MICHAEL D		34.19			Negotiable
323626		15-SEP-11	PTI SAND & GRAVEL INC		1,057.17			Negotiable
323627		15-SEP-11	RAM AIR ENGINEERING INC		1,111.01			Negotiable
323628		15-SEP-11	REA, BARBARA		761.57			Negotiable
323629		15-SEP-11	REDDY, MYPATI		28.59			Negotiable
323630		15-SEP-11	ROOHIAN, RON		19.24			Negotiable
323631		15-SEP-11	SANTA ANA BLUE PRINT		95.55			Negotiable
323632		15-SEP-11	SEMA CONSTRUCTION INC		45,049.19			Negotiable
323633		15-SEP-11	SEMA CONSTRUCTION INC		5,005.47			Negotiable
323634		15-SEP-11	SMITH, MARILYN		500.00			Negotiable
323635		15-SEP-11	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		303.56			Negotiable
323636		15-SEP-11	SOUTHERN CALIFORNIA EDISON COMPANY		15,835.01			Negotiable
323637		15-SEP-11	SPARKLETTS		91.40			Negotiable
323638		15-SEP-11	STERILIZER TECHNICAL		300.56			Negotiable
323639		15-SEP-11	SUPERMEDIA LLC		69.75			Negotiable
323640		15-SEP-11	TEE COMMERCIAL ADVISORS LLC		16.81			Negotiable
323641		15-SEP-11	TETRA TECH, INC		12,682.50			Negotiable
323642		15-SEP-11	TETRA TECH, INC		14,426.55			Negotiable
323643		15-SEP-11	THE FURMAN GROUP		10,389.00			Negotiable

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Payment Document : IRWD CHECK								
323675		22-SEP-11	BANK OF NEW YORK MELLON TRUST COMPANY NA		5,000.00			Negotiable
323676		22-SEP-11	BATTERY SPECIALTIES		117.09			Negotiable
323677		22-SEP-11	BDC SPECIAL WASTE		1,039.40			Negotiable
323678		22-SEP-11	BIOMAGIC INC		2,647.42			Negotiable
323679		22-SEP-11	BRUKER DALTRONICS, INC.		57.09			Negotiable
323680		22-SEP-11	BUENA VISTA WATER STORAGE DISTRICT		75,680.00			Negotiable
323681		22-SEP-11	CALIFORNIA BARRICADE INC		2,079.44			Negotiable
323682		22-SEP-11	CALIFORNIA COMPLIANCE SCHOOL		50.00			Negotiable
323683		22-SEP-11	CALIFORNIA URBAN WATER CONSERVATION COUNCIL		3,982.63			Negotiable
323684		22-SEP-11	CALIFORNIA UTILITY EXECUTIVE MANAGEMENT FOUNDATION		400.00			Negotiable
323685		22-SEP-11	CANON BUSINESS SOLUTIONS INC		1,611.11			Negotiable
323686		22-SEP-11	CDW GOVERNMENT LLC		96.00			Negotiable
323687		22-SEP-11	CH2M HILL, INC		48,383.99			Negotiable
323688		22-SEP-11	CLEARINGHOUSE		574.16			Negotiable
323689		22-SEP-11	COASTAL TRAFFIC SYSTEMS, INC		510.00			Negotiable
323690		22-SEP-11	COLONIAL LIFE & ACCIDENT INSURANCE CO.		2,389.24			Negotiable
323691		22-SEP-11	CONEYBEARE INC		1,725.50			Negotiable
323692		22-SEP-11	COX COMMUNICATIONS		481.55			Negotiable
323693		22-SEP-11	CREDENTIAL CHECK CORPORATION		632.00			Negotiable
323694		22-SEP-11	DANBRU WIRE & CABLE, INC		2,225.19			Negotiable
323695		22-SEP-11	DEACON, AMOS R.		235.68			Negotiable
323696		22-SEP-11	DEE JASPAR & ASSOCIATES, INC.		23,929.54			Negotiable
323697		22-SEP-11	DEPT OF FISH & GAME		840.25			Negotiable
323698		22-SEP-11	DUDEK		2,029.58			Negotiable

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BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 23
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323699		22-SEP-11	DURANCEAU CONSULTING SERVICES,		675.00			Negotiable
323700		22-SEP-11	E-Z UP DIRECT.COM LLC		552.98			Negotiable
323701		22-SEP-11	EAST ORANGE COUNTY WATER DISTRICT		61,238.13			Negotiable
323702		22-SEP-11	EXPRESSAIR		88.50			Negotiable
323703		22-SEP-11	FEDEX		863.97			Negotiable
323704		22-SEP-11	FERGUSON WATERWORKS		688.52			Negotiable
323705		22-SEP-11	FIDELITY INVESTMENTS		440.00			Negotiable
323706		22-SEP-11	FIRE EXTINGUISHING SAFETY		471.60			Negotiable
323707		22-SEP-11	FISHER SCIENTIFIC COMPANY LLC		5,257.28			Negotiable
323708		22-SEP-11	FLEET SOLUTIONS LLC		3,867.25			Negotiable
323709		22-SEP-11	FLOW SCIENCE INCORPORATED		3,085.00			Negotiable
323710		22-SEP-11	FOUNTAIN VALLEY PAINTS		852.52			Negotiable
323711		22-SEP-11	GEI CONSULTANTS INC		153,965.81			Negotiable
323712		22-SEP-11	GEORGE YARDLEY CO INC		1,500.00			Negotiable
323713		22-SEP-11	GEOSCIENCE SUPPORT SERVICES INC		3,080.00			Negotiable
323714		22-SEP-11	GODWIN PUMPS OF AMERICA, INC.		2,366.19			Negotiable
323715		22-SEP-11	GOOGLE INC.		1,073.88			Negotiable
323716		22-SEP-11	GRAINGER		4,079.42			Negotiable
323717		22-SEP-11	HACH COMPANY		3,475.08			Negotiable
323718		22-SEP-11	HARMSWORTH ASSOCIATES		10,400.00			Negotiable
323719		22-SEP-11	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY		201.20			Negotiable
323720		22-SEP-11	HDR ENGINEERING INC		173,888.39			Negotiable
323721		22-SEP-11	HEARTLAND BUSINESS CREDIT CORPORATION		570.58			Negotiable
323722		22-SEP-11	HELP/SYSTEMS-IL, LLC		2,435.00			Negotiable

BANK: Bank of America N.A. Branch : Los Angeles
 Bank Account Currency: USD (US Dollar)
 Payment Type: All

Account: Checking AP and PR Page: 24
 Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323723		22-SEP-11	HILL BROTHERS CHEMICAL COMPANY		1,061.08			Negotiable
323724		22-SEP-11	HOME DEPOT USA INC		114.70			Negotiable
323725		22-SEP-11	HOPKINS TECHNICAL PRODUCTS INC		624.55			Negotiable
323726		22-SEP-11	HUMANSKALE OF CALIFORNIA INC		1,659.81			Negotiable
323727		22-SEP-11	HUNSAKER & ASSOCIATES IRVINE		2,408.00			Negotiable
323728		22-SEP-11	HYDRO-SCAPE PRODUCTS INC		46.82			Negotiable
323729		22-SEP-11	IBM CORPORATION		16,266.64			Negotiable
323730		22-SEP-11	I I FUELS INC		57,256.68			Negotiable
323731		22-SEP-11	INDUSTRIAL METAL SUPPLY CO		469.36			Negotiable
323732		22-SEP-11	INDUSTRIAL NETWORKING		4,775.68			Negotiable
323733		22-SEP-11	INOUE, KENJI		30.20			Negotiable
323734		22-SEP-11	INTERNAL REVENUE SERVICE		2,139.17			Negotiable
323735		22-SEP-11	IRVINE PIPE & SUPPLY INC		42.80			Negotiable
323736		22-SEP-11	IRWD-PETTY CASH CUSTODIAN		1,362.70			Negotiable
323737		22-SEP-11	JOHN G. ALEVIZOS D.O. INC.		27.46			Negotiable
323738		22-SEP-11	KELLY SERVICES INC		1,176.75			Negotiable
323739		22-SEP-11	KENNEDY/JENKS CONSULTANTS INC		83,407.47			Negotiable
323740		22-SEP-11	KEY EQUIPMENT FINANCE		4,264.27			Negotiable
323741		22-SEP-11	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		2,575.00			Negotiable
323742		22-SEP-11	KS DIRECT LLC		1,794.20			Negotiable
323743		22-SEP-11	LAB SAFETY SUPPLY INC		21.39			Negotiable
323744		22-SEP-11	LAER PEARCE & ASSOCIATES		4,750.00			Negotiable
323745		22-SEP-11	LAGUNA BEACH COUNTY WATER DISTRICT		3,443.14			Negotiable
323746		22-SEP-11	LELAND SIN		100.00			Negotiable
323747		22-SEP-11	LEONARD CHAIDEZ TREE SERVICE		5,605.00			Negotiable
323748		22-SEP-11	LSA ASSOCIATES INC		3,130.66			Negotiable

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BANK: Bank of America N.A.

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Bank Account Currency: USD (US Dollar)

Payment Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323749		22-SEP-11	MALCOLM PIRNIE INC		65,408.46			Negotiable
323750		22-SEP-11	MAYER HOFFMAN MCCANN P.C.		18,000.00			Negotiable
323751		22-SEP-11	MC MASTER CARR SUPPLY CO		966.41			Negotiable
323752		22-SEP-11	MOUSE GRAPHICS		918.23			Negotiable
323753		22-SEP-11	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		44,200.00			Negotiable
323754		22-SEP-11	MUTUAL PROPANE		165.46			Negotiable
323755		22-SEP-11	NATIONAL READY MIXED CONCRETE CO		1,206.80			Negotiable
323756		22-SEP-11	NEWPORT BEACH, CITY OF		698.19			Negotiable
323757		22-SEP-11	NEWPORT REAL ESTATE SERVICES INC		7,500.00			Negotiable
323758		22-SEP-11	NINYO & MOORE		27,908.25			Negotiable
323759		22-SEP-11	NMG GEOTECHNICAL INC		31,310.80			Negotiable
323760		22-SEP-11	NORITSU AMERICA CORPORATION		188.79			Negotiable
323761		22-SEP-11	OCE NORTH AMERICA INC		15,275.59			Negotiable
323762		22-SEP-11	OLIN CORPORATION		47,054.10			Negotiable
323763		22-SEP-11	ON ASSIGNMENT LAB SUPPORT		2,081.68			Negotiable
323764		22-SEP-11	ONESOURCE DISTRIBUTORS LLC		9,425.94			Negotiable
323765		22-SEP-11	ORACLE AMERICA, INC.		107,203.26			Negotiable
323766		22-SEP-11	ORANGE COUNTY HOSE		75.81			Negotiable
323767		22-SEP-11	ORANGE COUNTY TREASURER		385.50			Negotiable
323768		22-SEP-11	ORANGE, COUNTY OF		206.00			Negotiable
323769		22-SEP-11	ORDONEZ, CYNTHIA MARIE		638.50			Negotiable
323770		22-SEP-11	PAC RIM ENGINEERING		690.00			Negotiable
323771		22-SEP-11	PAPER DEPOT DOCUMENT DESTRUCTION LLC		2,195.65			Negotiable
323772		22-SEP-11	PARADIGM IMAGING GROUP		960.62			Negotiable
323773		22-SEP-11	PERS LONG TERM CARE		1,885.48			Negotiable

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BANK: Bank of America N.A.

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Bank Account Currency: USD (US Dollar)

Payment Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323798		22-SEP-11	SOUTHERN CALIFORNIA EDISON COMPANY		198,234.64			Negotiable
323799		22-SEP-11	SOUTHERN CALIFORNIA SECURITY CENTER, INC.		35.23			Negotiable
323800		22-SEP-11	SOUTHERN COUNTIES LUBRICANTS LLC		2,319.91			Negotiable
323801		22-SEP-11	STATE BOARD OF EQUALIZATION		1,159.00			Negotiable
323802		22-SEP-11	SUNNYHILLS RESTORATION		14,035.82			Negotiable
323803		22-SEP-11	SWAINS ELECTRIC MOTOR SERVICE		7,764.87			Negotiable
323804		22-SEP-11	TESTAMERICA LABORATORIES, INC		109.20			Negotiable
323805		22-SEP-11	TETRA TECH, INC		3,050.15			Negotiable
323806		22-SEP-11	THE GAS COMPANY		5,432.81			Negotiable
323807		22-SEP-11	TRUGREEN LANDCARE LLC		18,800.00			Negotiable
323808		22-SEP-11	US BANK NAT'L ASSOCIATION NORTH DAKOTA		168,835.76			Voided
323809		22-SEP-11	US PEROXIDE LLC		7,333.55			Negotiable
323810		22-SEP-11	VCI TELCOM INC		2,230.00			Negotiable
323811		22-SEP-11	VERIZON CALIFORNIA INC		89.93			Negotiable
323812		22-SEP-11	WALTERS WHOLESALE ELECTRIC		38.46			Negotiable
323813		22-SEP-11	WASTE MANAGEMENT OF ORANGE COUNTY		1,104.61			Negotiable
323814		22-SEP-11	WECK LABORATORIES INC		2,615.00			Negotiable
323815		22-SEP-11	WESCOM CREDIT UNION		169.88			Negotiable
323816		22-SEP-11	WEST & SYLVESTER ELECTRICAL		1,830.00			Negotiable
323817		22-SEP-11	YORK INSURANCE SERVICES GROUP INC - CA		7,228.50			Negotiable
323818		22-SEP-11	Deborah Cherney		52.00			Negotiable
323819		22-SEP-11	Terrance Schreiner		132.00			Negotiable
323820		23-SEP-11	ORANGE, COUNTY OF SANTA ANA		1,240.70			Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles
 Bank Account Currency: USD (US Dollar)
 Payment Type: All

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 Account: Checking AP and PR Page: 28
 Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323821		23-SEP-11	APPLIED SPECIATION AND CONSULTING, LLC		500.00			Negotiable
323822		23-SEP-11	AT&T		45.70			Negotiable
323823		23-SEP-11	CAMPBELL & LEVINE LLC		1,687.50			Negotiable
323824		23-SEP-11	CONFERENCING ADVISORS, INC.		5,844.00			Negotiable
323825		23-SEP-11	DEE JASPAR & ASSOCIATES, INC.		38,222.16			Negotiable
323826		23-SEP-11	EISEL ENTERPRISES INC		5,917.41			Negotiable
323827		23-SEP-11	FARRELL & ASSOCIATES		249.41			Negotiable
323828		23-SEP-11	FISERV		10,009.26			Negotiable
323829		23-SEP-11	FRANCHISE TAX BOARD		300.00			Negotiable
323830		23-SEP-11	HAMILTON, KURT		1,130.62			Negotiable
323831		23-SEP-11	HARMSWORTH ASSOCIATES		730.00			Negotiable
323832		23-SEP-11	IRVINE PIPE & SUPPLY INC		154.88			Negotiable
323833		23-SEP-11	MC MASTER CARR SUPPLY CO		529.89			Negotiable
323834		23-SEP-11	ORANGE, COUNTY OF		3,183.26			Negotiable
323835		23-SEP-11	QUALITY ENVIRONMENTAL		1,029.94			Negotiable
323836		23-SEP-11	RBF CONSULTING		1,644.84			Negotiable
323837		23-SEP-11	SANTA ANA BLUE PRINT		2,833.72			Negotiable
323838		23-SEP-11	TESTAMERICA LABORATORIES, INC		1,075.50			Negotiable
323839		23-SEP-11	US BANK NAT'L ASSOCIATION NORTH DAKOTA		168,835.76			Voided
323840		23-SEP-11	WILLIAMS, TWYLA		788.50			Negotiable
323841		29-SEP-11	Abdel Kilani		253.77			Negotiable
323842		29-SEP-11	Anita Arant		18.74			Negotiable
323843		29-SEP-11	Anthony Mossbarger		26.93			Negotiable
323844		29-SEP-11	Carlos Collazo		120.00			Negotiable
323845		29-SEP-11	Cynthia Beck		57.20			Negotiable
323846		29-SEP-11	John Withers		31.62			Negotiable
323847		29-SEP-11	Karen Bonecki		267.05			Negotiable
323848		29-SEP-11	Mary Matheis		2,513.29			Negotiable
323849		29-SEP-11	Mattias Velardes		86.81			Negotiable
323850		29-SEP-11	Michelle Klein		49.00			Negotiable

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Bank Account Currency: USD (US Dollar)

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Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323851		29-SEP-11	Nancy Savedra		20.44			Negotiable
323852		29-SEP-11	Noah Fehser		60.00			Negotiable
323853		29-SEP-11	Paul Cook		156.00			Negotiable
323854		29-SEP-11	Paul Weghorst		50.00			Negotiable
323855		29-SEP-11	Peer Swan		249.31			Negotiable
323856		29-SEP-11	Rodolfo Perez		29.50			Negotiable
323857		29-SEP-11	Steven LaMar		7.14			Negotiable
323858		29-SEP-11	Tanja Fournier		817.91			Negotiable
323859		29-SEP-11	AAF INTERNATIONAL		1,137.55			Negotiable
323860		29-SEP-11	ACCURATE AIR ENGINEERING INC		534.52			Negotiable
323861		29-SEP-11	ACE STAINLESS SUPPLY		165.34			Negotiable
323862		29-SEP-11	ADT SECURITY SERVICES INC		227.00			Negotiable
323863		29-SEP-11	AIRGAS-WEST, INC.		922.14			Negotiable
323864		29-SEP-11	AMERICAN CONSTRUCTION AND SUPPLY INC		321,254.72			Negotiable
323865		29-SEP-11	AMERICAN SOCIETY OF CIVIL ENGINEERS		255.00			Negotiable
323866		29-SEP-11	ANDRITZ SEPARATION, INC.		1,229,404.30			Negotiable
323867		29-SEP-11	AOSAFETY		129.53			Negotiable
323868		29-SEP-11	APCO GRAPHICS INC		216.50			Negotiable
323869		29-SEP-11	APPLIED SPECIATION AND CONSULTING, LLC		4,000.00			Negotiable
323870		29-SEP-11	ARMORCAST PRODUCTS COMPANY		5,299.19			Negotiable
323871		29-SEP-11	ASSURED FLOW SALES INC		215.29			Negotiable
323872		29-SEP-11	AST CORPORATION		22,300.00			Negotiable
323873		29-SEP-11	AT&T		3,787.68			Negotiable
323874		29-SEP-11	AT&T		1,178.32			Negotiable
323875		29-SEP-11	AT&T		49.29			Negotiable
323876		29-SEP-11	AT&T INTERNET SERVICES		1,124.00			Negotiable
323877		29-SEP-11	AYRES HOTEL AND SUITES (DBA)		9,765.72			Negotiable
323878		29-SEP-11	BIOMAGIC INC		9,046.15			Negotiable
323879		29-SEP-11	BTF PRECISE MICROBIOLOGY INC.		524.10			Negotiable
323880		29-SEP-11	C L OLSON & ASSOCIATES, INC.		2,100.00			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323881		29-SEP-11	C WELLS PIPELINE MATERIALS INC		5,825.33			Negotiable
323882		29-SEP-11	CALIFORNIA BARRICADE INC		7,979.45			Negotiable
323883		29-SEP-11	CALIFORNIA TRUCK EQUIPMENT COMPANY		2,144.23			Negotiable
323884		29-SEP-11	CERTIFIED TRANSPORTATION		1,158.77			Negotiable
323885		29-SEP-11	CHEM TECH INTERNATIONAL INC		3,913.25			Negotiable
323886		29-SEP-11	COMMERCIAL CLEANING SYSTEMS INC		177.00			Negotiable
323887		29-SEP-11	COMMERCIAL DOOR OF ORANGE COUNTY, INC.		2,018.64			Negotiable
323888		29-SEP-11	CONEYBEARE INC		1,774.80			Negotiable
323889		29-SEP-11	CONTROLLED KEY SYSTEMS INC		86.50			Negotiable
323890		29-SEP-11	CORTECH ENGINEERING, INC		200.00			Negotiable
323891		29-SEP-11	D & H WATER SYSTEMS INC.		7,251.80			Negotiable
323892		29-SEP-11	DATA CLEAN CORPORATION		513.25			Negotiable
323893		29-SEP-11	DEE JASPAR & ASSOCIATES, INC.		160.00			Negotiable
323894		29-SEP-11	DELTA SYSTEMS ENGINEERING, INC.		15,510.00			Negotiable
323895		29-SEP-11	DJ NELSON & SON POOL SERVICE		2,245.61			Negotiable
323896		29-SEP-11	EISEL ENTERPRISES INC		11,307.29			Negotiable
323897		29-SEP-11	ENDRESS+HAUSER, INC		525.09			Negotiable
323898		29-SEP-11	EXPRESSAIR		138.00			Negotiable
323899		29-SEP-11	EXTERRAN ENERGY SOLUTIONS LP		5,789.91			Negotiable
323900		29-SEP-11	FARRELL & ASSOCIATES		172.90			Negotiable
323901		29-SEP-11	FARWEST CORROSION CONTROL CO		3,436.38			Negotiable
323902		29-SEP-11	FIRST AMERICAN TITLE CO.		750.00			Negotiable
323903		29-SEP-11	FISERV		461.75			Negotiable

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Bank Account Currency: USD (US Dollar)

Payment Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323904		29-SEP-11	FISHER SCIENTIFIC COMPANY LLC		2,910.25			Negotiable
323905		29-SEP-11	FOX, SAUL		564.46			Negotiable
323906		29-SEP-11	GARZA INDUSTRIES, INC		1,292.57			Negotiable
323907		29-SEP-11	GEOPENTECH, INC.		18,700.15			Negotiable
323908		29-SEP-11	GLOBALSTAR INC		168.36			Negotiable
323909		29-SEP-11	GRAINGER		1,074.94			Negotiable
323910		29-SEP-11	HACH COMPANY		1,108.97			Negotiable
323911		29-SEP-11	HALCYON ELECTRIC INC		74,937.05			Negotiable
323912		29-SEP-11	HARMSWORTH ASSOCIATES		1,090.00			Negotiable
323913		29-SEP-11	HARPER & ASSOCIATES		6,793.50			Negotiable
323914		29-SEP-11	ENGINEERING INC HDR ENGINEERING INC		27,366.70			Negotiable
323915		29-SEP-11	HILL BROTHERS CHEMICAL COMPANY		7,586.22			Negotiable
323916		29-SEP-11	HOME DEPOT USA INC		358.90			Negotiable
323917		29-SEP-11	INDUSTRIAL METAL SUPPLY CO		181.40			Negotiable
323918		29-SEP-11	IRVINE PIPE & SUPPLY INC		907.52			Negotiable
323919		29-SEP-11	IRWD-PETTY CASH CUSTODIAN		1,404.30			Negotiable
323920		29-SEP-11	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		4,995.00			Negotiable
323921		29-SEP-11	KIM, SOON TAE		5,850.00			Negotiable
323922		29-SEP-11	LEWIS OPERATING CORP		3,844.00			Negotiable
323923		29-SEP-11	LSA ASSOCIATES INC		9,503.08			Negotiable
323924		29-SEP-11	LUBRICATION ENGINEERS, INC.		1,061.88			Negotiable
323925		29-SEP-11	Luminita Popescu		1,168.13			Negotiable
323926		29-SEP-11	MARVIN GARDENS LLC		1,341.14			Negotiable
323927		29-SEP-11	MC MASTER CARR SUPPLY CO		555.77			Negotiable
323928		29-SEP-11	MERCHANTS LANDSCAPE SERVICES INC		1,700.00			Negotiable
323929		29-SEP-11	MORTON SAFETY CO		18,180.12			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323930		29-SEP-11	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		20,400.00			Negotiable
323931		29-SEP-11	NATIONAL READY MIXED CONCRETE CO		1,292.73			Negotiable
323932		29-SEP-11	NEPTUNE TECHNOLOGY		4,558.60			Negotiable
323933		29-SEP-11	O G SUPPLY		1,211.12			Negotiable
323934		29-SEP-11	OLSON HAGEL FISHBURN, LLP		549.60			Negotiable
323935		29-SEP-11	ON ASSIGNMENT LAB SUPPORT		3,485.44			Negotiable
323936		29-SEP-11	ONESOURCE DISTRIBUTORS LLC		3,060.63			Negotiable
323937		29-SEP-11	ORANGE COUNTY TREASURER		6,984.00			Negotiable
323938		29-SEP-11	ORANGE COUNTY TREASURER		343.89			Negotiable
323939		29-SEP-11	ORANGE, COUNTY OF		3,740.00			Negotiable
323940		29-SEP-11	PACIFIC COAST BOLT CORP		2,682.68			Negotiable
323941		29-SEP-11	PACIFIC STRATEGIES		2,500.00			Negotiable
323942		29-SEP-11	PARKHOUSE TIRE INC		7,701.84			Negotiable
323943		29-SEP-11	PAUL E BRADLEY INC		3,105.00			Negotiable
323944		29-SEP-11	PEARPOINT		1,028.53			Negotiable
323945		29-SEP-11	PERKINELMER HEALTH SCIENCES INC		2,438.44			Negotiable
323946		29-SEP-11	PINNACLE LANDSCAPE COMPANY		5,936.76			Negotiable
323947		29-SEP-11	PRAXAIR DISTRIBUTION INC		955.78			Negotiable
323948		29-SEP-11	PRUDENTIAL OVERALL SUPPLY		773.28			Negotiable
323949		29-SEP-11	PSOMAS		474.00			Negotiable
323950		29-SEP-11	R&B AUTOMATION INC		8,050.28			Negotiable
323951		29-SEP-11	RAM AIR ENGINEERING INC		625.77			Negotiable
323952		29-SEP-11	SANTA ANA BLUE PRINT		949.72			Negotiable
323953		29-SEP-11	SHAMROCK SUPPLY CO INC		1,025.07			Negotiable
323954		29-SEP-11	SIRIUS COMPUTER SOLUTIONS INC		5,000.00			Negotiable
323955		29-SEP-11	SOUTH COAST WATER		191.66			Negotiable
323956		29-SEP-11	SOUTHERN CALIFORNIA EDISON COMPANY		515,401.10			Negotiable

IRWD Ledger

Payment Register For 01-SEP-11 To 30-SEP-11

Report Date: 30-SEP-2011 14:09

BANK: Bank of America N.A.

Branch : Los Angeles

Account: Checking AP and PR

Page: 33

Bank Account Currency: USD (US Dollar)

Payment Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
323957		29-SEP-11	SOUTHERN CALIFORNIA SECURITY CENTER, INC.		30.17			Negotiable
323958		29-SEP-11	SOUTHERN CALIFORNIA TRUCK BODIES & SALES, INC.		1,562.38			Negotiable
323959		29-SEP-11	SPARKLETTS		235.70			Negotiable
323960		29-SEP-11	TEKDRUALICS		687.03			Negotiable
323961		29-SEP-11	TETRA TECH, INC		6,643.96			Negotiable
323962		29-SEP-11	THE GAS COMPANY		2,896.53			Negotiable
323963		29-SEP-11	TROPICAL PLAZA NURSERY INC		25,522.94			Negotiable
323964		29-SEP-11	TRUGREEN LANDCARE LLC		150.00			Negotiable
323965		29-SEP-11	UNITED PARCEL SERVICE INC		253.20			Negotiable
323966		29-SEP-11	UNIVAR USA INC		7,125.72			Negotiable
323967		29-SEP-11	US BANK NAT'L ASSOCIATION NORTH DAKOTA		72,715.04			Negotiable
323968		29-SEP-11	VALIN CORPORATION		9,337.08			Negotiable
323969		29-SEP-11	VERIZON CALIFORNIA INC		428.84			Negotiable
323970		29-SEP-11	VERIZON WIRELESS SERVICES LLC		9,209.26			Negotiable
323971		29-SEP-11	VWR INTERNATIONAL, LLC		198.39			Negotiable
323972		29-SEP-11	WALTERS WHOLESALE ELECTRIC		675.18			Negotiable
323973		29-SEP-11	WAXIE'S ENTERPRISES, INC		1,779.10			Negotiable
323974		29-SEP-11	WESTERN SAFETY PRODUCTS INC		392.20			Negotiable
323975		29-SEP-11	WOOD BROS., INC.		284,292.22			Negotiable
Payment Document Subtotal:					12,121,575.34			
Payment Document : IRWD Wire								
9136		21-SEP-11	YORK INSURANCE SERVICES GROUP INC - CA	PAY	1,559.88			Negotiable

IRWD Ledger

Payment Register For 01-SEP-11 To 30-SEP-11

Report Date: 30-SEP-2011 14:09

BANK: Bank of America N.A. Branch : Los Angeles

Account: Checking AP and PR Page: 34

Bank Account Currency: USD (US Dollar)

Payment Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
9137		21-SEP-11	YORK INSURANCE SERVICES GROUP INC - CA	PAY	1,365.69			Negotiable
9138		28-SEP-11	U.S. BANK NATIONALST. ASSOCIATION	LOUIS	9,188.54			Negotiable
9139		28-SEP-11	YORK INSURANCE SERVICES GROUP INC - CA	PAY	460.06			Negotiable
9140		28-SEP-11	BANK OF AMERICA MERRILL LYNCH	PAY	580,000.00			Negotiable
9141		28-SEP-11	U.S. BANK NATIONALST. ASSOCIATION	LOUIS	250.00			Negotiable
9142		28-SEP-11	CALPERS	SACRAMENTO	3,989.04			Negotiable
9143		28-SEP-11	CALPERS	SACRAMENTO	310,472.31			Negotiable
9144		28-SEP-11	J.R. FILANC CONSTRUCTION	PAY	2,738,354.46			Negotiable
9145		28-SEP-11	BANK OF AMERICA MERRILL LYNCH	NEW YORK	295.00			Negotiable
9146		28-SEP-11	MUNICIPAL WATER DISTRICT OF ORANGEVALLEY COUNTY	FOUNTAIN	1,863,218.83			Negotiable
9147		28-SEP-11	ORANGE COUNTY WATER DISTRICT	F.V.	737,386.00			Negotiable
9148		28-SEP-11	BANK OF AMERICA MERRILL LYNCH	PAY	820,481.11			Negotiable
9149		28-SEP-11	CITIGROUP GLOBAL MARKETS INC.	NEW YORK	820,480.47			Negotiable
9150		28-SEP-11	HELABA LANDESBANK HESSEN-THUERINGEN	NEW YORK	441.67			Negotiable
9151		28-SEP-11	BANK OF AMERICA MERRILL LYNCH	PAY	6,529.75			Negotiable
9152		28-SEP-11	BANK OF AMERICA MERRILL LYNCH	PAY	9,000.00			Negotiable
9153		29-SEP-11	SUMITOMO MITSUI BANKING CORPORAION	NEW YORK	2,722.90			Negotiable
9154		29-SEP-11	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	18,994.14			Negotiable
9155		29-SEP-11	SUMITOMO MITSUI BANKING CORPORAION	NEW YORK	7,622.14			Negotiable
9156		29-SEP-11	BANK OF AMERICA MERRILL LYNCH	PAY	1,600,000.00			Negotiable
9157		29-SEP-11	BANK OF AMERICA MERRILL LYNCH	PAY	1,080,000.00			Negotiable
9158		29-SEP-11	BANK OF AMERICA MERRILL LYNCH	PAY	8,301.36			Negotiable

IRWD Ledger

Payment Register For 01-SEP-11 To 30-SEP-11 Report Date: 30-SEP-2011 14:09

BANK: Bank of America N.A. Branch : Los Angeles

Account: Checking AP and PR Page: 35

Bank Account Currency: USD (US Dollar)

Payment Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
9159		29-SEP-11	U.S. BANK NATIONALPAY ASSOCIATION		6,801.37			Negotiable
9160		29-SEP-11	BANK OF NEW YORK PAY MELLON TRUST COMPANY NA		217.26			Negotiable
9161		29-SEP-11	CITIGROUP GLOBAL MARKETS INC.	NEW YORK	4,980,413.76			Negotiable
9162		30-SEP-11	YORK INSURANCE SERVICES GROUP INC - CA	PAY	8,331.85			Negotiable
9163		30-SEP-11	INTERNAL REVENUE SERVICE	FRESNO	322,654.39			Negotiable
9164		30-SEP-11	FRANCHISE TAX BOARD	SACRAMENTO	89,254.25			Negotiable
9165		30-SEP-11	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	24,349.42			Negotiable
9166		30-SEP-11	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,607.00			Negotiable
9167		30-SEP-11	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	26,767.65			Negotiable
9168		30-SEP-11	GREAT WEST	DENVER	172,690.22			Negotiable
9169		30-SEP-11	CALPERS	SACRAMENTO	265,318.53			Negotiable
9170		30-SEP-11	SCHOOL FIRST FEDERAL CREDIT UNION	SANTA ANA	54,118.54			Negotiable
9171		30-SEP-11	ORANGE COUNTY'S CREDIT UNION	SANTA ANA	2,530.00			Negotiable
Payment Document Subtotal:					16,577,167.59			
Bank Account Subtotal :					28,698,742.93			
Report Count : 920	Report Total:				28,698,742.93			

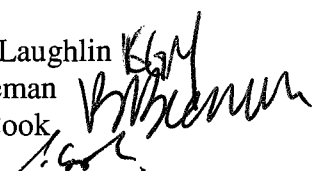
*** End of Report ***

October 24, 2011

Prepared by: K. McLaughlin

Submitted by: B. Beeman

Approved by: Paul Cook



CONSENT CALENDAR

2011 STATE LEGISLATIVE UPDATE

SUMMARY:

This report provides an update on final actions on state legislation of interest to IRWD for the 2011 legislative session. A copy of the 2011 State Legislative Matrix is attached as Exhibit "A" and the Government Reform Matrix is attached as Exhibit "B".

BACKGROUND:

October 9 was the last day for Governor Brown to sign or veto legislation sent to his desk during the 2011 legislative session. The Governor signed 760 bills, vetoed 128 and allowed one bill to become law without his signature – AB 412 (Williams) related to Emergency Medical Services Funds in Santa Barbara County. The 2012 legislative session will convene on January 4. Legislators will have until the end of January to act upon two-year bills from the 2011 session.

Government Reform Legislation:

AB 506 (Wieckowski): Local Government Bankruptcy

AB 506, related to local government bankruptcy, was signed by Governor Brown. IRWD had an *oppose* position on an earlier version of AB 506; however, amendments negotiated at the end of session by the Public Works Coalition were favorable to local government entities. The final version of the bill encourages, but does not require, a local agency to enter into a neutral evaluation process prior to filing for Chapter 9 bankruptcy.

SB 293 (Padilla): Contract Retentions

SB 293 (Padilla), prohibiting a public entity from retaining more than 5% of a contract price until final completion and acceptance of a project, was signed by the Governor despite a significant coordinated opposition effort led by the Public Works Coalition. IRWD had an *oppose* position on this bill. IRWD staff and legal counsel are modifying IRWD contract documents to comply with this new requirement.

SB 474 (Evans): Indemnity

SB 474 (Evans), related to indemnity on construction contracts, was signed by Governor Brown. IRWD had an *oppose* position on SB 474; however, amendments negotiated in the final days of session improved the bill and allayed most of the IRWD concerns. It remains unclear how SB 474 will impact public contracts and, as such, there is speculation that this matter will be litigated in the future. Staff will work with the District's associations to monitor the issues around public contracting and the implementation of SB 474.

Other 2011 Legislation:

AB 275 (Solorio): Rainwater Capture

AB 275 would have authorized property owners to install and maintain rainwater capture systems. Governor Brown vetoed AB 275 saying that he did not think it was necessary to create an interim standard for rainwater capture outside of the established Building Standards Commission process. IRWD did not have a position on this bill

SB 136 (Yee): Public Contracts: Prevailing Wages

SB 136 would mandate private companies to pay prevailing wage for renewable energy generation or efficiency services if they are performed on state or local government property. Governor Brown signed SB 136. Some in the local government community opposed this bill due to concerns that it would act as a disincentive to innovative alternative energy projects and contracts. IRWD did not have a position on this bill.

SB 215 (Huff): Quagga Mussels

SB 215 (Huff), sponsored by the Association of California Water Agencies, was signed into law by Governor Brown. This bill would extend the current sunset date on Quagga Mussel control programs to 2017. IRWD had a *support* position on this bill.

SB 225 (Pavley): Department of Water Resources Contracts

SB 224, exempting specified Department of Water Resources contracts related to the state water project from the current Department of General Services oversight and approval process, was signed by Governor Brown. IRWD had a *support* position on SB 224.

SB 834 (Wolk): Integrated Regional Water Plans

SB 834 would have required Integrated Regional Water Management plans to include how the region will address reducing reliance on the Sacramento-San Joaquin Delta. Governor Brown vetoed AB 834 saying he did not believe it adds anything to current law. IRWD did not have a position on this bill.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS

This item was reviewed and approved at the Water Resources Policy and Communications Committee on October 17, 2011.

RECOMMENDATION:

RECEIVE AND FILE.

LIST OF EXHIBITS:

Exhibit "A" – 2011 IRWD Legislative Matrix
Exhibit "B" – 2001 IRWD Government Reform Matrix

EXHIBIT "A"
IRWD 2011 LEGISLATIVE MATRIX
Updated September 20, 2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
AB 19 Fong (D)	Building Standards: Water Meters: Multiunit Structures		Requires a water purveyor providing water service to a newly constructed multiunit residential structure or mixed-use residential and commercial structure, including a structure that is part of a common interest development, that submits and application for a water connection after a specified date, to require the installation of the meter or submeter to measure water to each unit as a condition of new water service. Requires the submeter to meet specified requirements. Relates to billing and disclosure.	04/27/2011 - In ASSEMBLY Committee on HOUSING AND COMMUNITY DEVELOPMENT: Reconsideration granted.	Sponsor: Sierra Club. Reintroduction of AB 1975 (Fong), 2010. 2_Year_Bill
AB 23 Smyth (R)	Local Agency Meetings: Compensation Disclosure		Amends the Ralph M. Brown Act which requires each legislative body of a local agency to provide the time and place for holding regular meetings. Authorizes a convened legislative body whose membership constitutes a quorum of any other legislative body to convene a meeting of the subsequent legislative body, simultaneously or in serial order, only if a clerk or member announces the amount of compensation or stipend, if any, each member will receive as a result of convening simultaneous or serial meetings.	07/25/2011 - Signed by GOVERNOR.;07/25/2011 - Chaptered by Secretary of State. Chapter No. 91	
AB 54 Solorio (D)	Drinking Water		Requires a mutual water company that operates a public water system to submit a map depicting approximate service boundaries. Disallows expansion without approval. Requires a company financial reserve fund. Requires board member training. Relates to projects funded under the Safe Drinking Water Revolving Fund and application processing. Relates to annexation. Relates to safe drinking water standards compliance. Requires an assessment by such company to pay water quality violation related civil fines.	09/08/2011 - In ASSEMBLY. ASSEMBLY concurred in SENATE amendments. To enrollment.	
AB 83 Jeffries (R)	Environment: CEQA Exemption: Recycled Water Pipeline		Amends existing law regarding California Environmental Quality Act environmental impact reports. Exempts a project for the installation of a new pipeline for the distribution of recycled water within an improved public street, highway, or right-of-way.	04/11/2011- In ASM Com on NAT RES: Reconsideration granted.	WRA: Support 2_Year_Bill
AB 134 Dickinson (D)	Sacramento Regional County Sanitation District	Oppose	Authorizes the Sacramento Regional County Sanitation District to file an application for a permit to appropriate a specified amount of water that is based on the volume of treated wastewater that the district discharges into the Sacramento River and recovers for reuse. Authorizes the State Water Resources Control Board to grant a permit to appropriate that treated	09/06/2011 - Signed by GOV.;09/06/2011 - Chaptered by Secretary of State. Chapter No. 212	Sponsor: Sacramento Regional

IRWD 2011 LEGISLATIVE MATRIX - 10/19/2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
			wastewater upon terms and conditions determined by the board. Requires the board to comply with specified related requirements.		
AB 148 Smyth (R)	Local Government: Ethics Training: Disclosure	Watch	Defines the term ethics laws, for purposes of training for officers and employees of a local government, to include compensation setting guidelines as established by specified organizations. Requires the local agency to post the ethics training records of all elected members on the local agency's Internet Web site, if any, and to submit a copy of the records to the Controller. Requires a local agency that has adopted a written attendance compensation policy to post the policy on the local agency's Web site.	05/27/2011 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.	CSDA - Supportive 2_Year_Bill
AB 157 Jeffries (R)	Safe, Clean and Reliable Drinking Water Supply Act	Oppose	Reduces the total amount of bonds authorized to be issued pursuant to the Safe, Clean and Reliable Drinking Water Supply Act of 2012. Makes conforming reductions to amounts specified to be allocated from these bond funds for certain purposes.	06/28/2011 - In ASM Committee on WPW: Not heard.	2_Year_Bill
AB 246 Wieckowski (D)	Water Quality: Enforcement	Oppose	Authorizes a regional water quality control board to delegate to its executive officer the authority to apply for judicial enforcement to the Attorney General, a district attorney, a city attorney of a city with a population that exceeds 750,000, or a city attorney for a city and county. Authorizes a district attorney, a city attorney of a city with a specified population to bring civil actions under the Porter-Cologne Water Quality Act and only upon approval of the Attorney General.	09/07/2011 - In SENATE. From third reading. To Inactive File.	
AB 249 Berryhill B (R)	Contractors	Watch	Relates to the damages recoverable for residential property construction or improvements by a unlicensed contractor. Authorizes a person who utilizes the services of a contractor for the construction or improvement of property other than specified residential property to bring an action to recover funds paid to the contractor for performance of any act or contract during the time the contractor was not licensed. Authorizes a licensed contractor who performed a portion of such work to also bring an action.	08/22/2011 - Re-referred to Committee on BUSINESS, PROFESSIONS & CONSUMER PROTECTION.	2_Year_Bill
AB 262 Harkey (R)	California Regional Water Quality Control Boards	Watch	Revises the description of the boundaries of the Santa Ana Regional Water Quality Control Board and the San Diego Regional Water Quality Control Board.	02/18/2011 - To ASM Com on ENV SAFETY AND TOXIC MAT.	2_Year_Bill
AB 275 Solorio (D)	Rainwater Capture Act of 2011		Enacts the Rainwater Capture Act of 2011. Authorizes residential, commercial, and governmental landowners to install, maintain, and operate rain barrel systems and rainwater capture systems for specified	09/06/2011 - Enrolled.;09/07/2011 - *****To	

IRWD 2011 LEGISLATIVE MATRIX - 10/19/2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
			purposes. Requires a local agency to notify a public water system of any permit program. Authorizes a landscape contractor to enter into a prime contract for the construction of such system, if it is used exclusively for landscape irrigation. Authorizes such contractors to design and install exterior parts.	GOVERNOR.	
AB 392 Alejo (D)	Ralph M. Brown Act: Posting Agendas		Requires the legislative body of a local agency, at least 72 hours before a regular meeting of that body, to post the agenda and staff generated reports that relate to an agenda item for the open session of that regular meeting. Requires the legislative body to post the agenda and the writings on its internet web site or in a public location if the body has not web site.	05/27/2011 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.	Sponsor: Realtors CSDA: Oppose 2_Year_Bill
AB 403 Campos (D)	Public Drinking Water Standards: Hexavalent Chromium	Watch	Requires the Department of Public Health to post its progress on the establishment of primary drinking water standard hexavalent chromium on the department's Internet Web site. Includes the adoption of a primary drinking water standard for hexavalent chromium among the proposed regulations relating to maximum contaminant levels for primary or secondary water standards that are subject to a review by the Department of Finance of not more than 90 days.	09/06/2011 - In ASSEMBLY. From Unfinished Business. To Inactive File.	Inactive File
AB 457 Wagner (R)	Public Works Contracts: Relief for Bidders		Entitles a bidder who successfully challenges the award of a public works contract determined to be invalid due to errors or omissions of the public entity to recover costs and attorney's fees incurred in pursuing the challenge. Allows attorney's fees and costs to be awarded to the public entity under specified circumstances.	05/03/2011 - In ASM Com on BUSINESS, PROFESSIONS & CONS. PROTECT.: Not heard.	2_Year_Bill
AB 506 Wieckowski (D)	Local Government: Bankruptcy: Neutral Evaluation	Oppose	Prohibits a local public entity from filing under federal bankruptcy law unless the entity has met specified requirements including participation in a neutral evaluation process, or a local public agency has declared a fiscal emergency and has adopted a resolution at a notice public hearing, that includes findings that the agency's financial status jeopardizes the health, safety, or well-being of the residents of the agency's jurisdiction or service area absent bankruptcy protections.	09/09/2011 - In SENATE. Read third time. Passed SENATE. 9/9/2011 ASSEMBLY concurrent in SENATE amendments. To enrollment.	Significantly amended in favor of local governments in final days of session. CSDA to neutral.
AB 550 Huber (D)	Sacramento-San Joaquin Delta: Peripheral Canal	Oppose	Prohibits the construction of a peripheral canal that conveys water from a diversion point in the Sacramento River to a location south of the Sacramento-San Joaquin Delta, unless expressly authorized by the Legislature. Requires the Legislative Analyst's Office to complete an	03/25/2011 - To ASSEMBLY Committees on WATER, PARKS	2_Year_Bill

IRWD 2011 LEGISLATIVE MATRIX - 10/19/2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
			economic feasibility analysis prior to the enactment of a statute authorizing the construction of a peripheral canal. Prohibits the construction and operation of a peripheral canal from diminishing water quality.	AND WILDLIFE and APPROPRIATIONS.	
<u>AB 576</u> Dickinson (D)	Delta Plan: Financing		Requires the Delta Stewardship Council to develop a long-term finance plan to pay for the costs of implementing the Delta Plan by a specified date. Prohibits the council from adopting new fees for these purposes unless authorized by statute. Authorizes the council, before adopting and collecting long-term revenue sources, to seek to obtain early funding contributions from entities that may benefit from implementation of the Plan and to track those contributions.	03/31/2011 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.	2_Year_Bill
<u>AB 741</u> Huffman (D)	Onsite Wastewater Disposal	Sponsor	Amends an existing law authorizing a property owner included within an assessment district for construction of a main trunkline or collector sewer lines, to request construction plumbing to connect his or her property to the adjoining public sewer system, and creates a lien. Relates to funding. Authorize defined entities, to use this provision for the purpose of converting properties from onsite septic systems and connecting them to the sewer system and for replacing or repairing existing sewer laterals.	07/25/2011 - Signed by GOVERNOR.;07/25/2011 - Chaptered by Secretary of State. Chapter No. 106	
<u>AB 849</u> Gatto (D)	Water: Use Efficiency: Graywater Building Standards		Repeals the authority of a city, county, or other local agency to adopt building standards that prohibit entirely the use of graywater. Authorizes the adoption of standards that are more restrictive than required under state requirements. Requires that an ordinance enacted pursuant to this authority include the local climatic, geological, or topographical conditions requiring different building standards. Requires the local entities consult with the local public health department prior to permit issuance.	09/13/2011 - *****To GOVERNOR.	
<u>AB 938</u> Perez V (D)	Public Water Systems	Watch	Amends existing law that establishes the Safe Drinking Water State Revolving Fund and requires total funding of a single project to be determined by an assessment of affordability. Adds environmental documentation to the costs of a single project that is required to be determined by that assessment. Requires the public notice given by a public water system be in specified languages and media outlets. Establishes specified presumptions of compliance if a water system takes certain actions.	09/13/2011 - *****To GOVERNOR.	

IRWD 2011 LEGISLATIVE MATRIX - 10/19/2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
AB 964 Huffman (D)	Water Rights: Appropriation	Support	Authorizes obtaining a right to appropriate water for a small irrigation use upon registering the use with the State Water Resources Control Board and applying the water to reasonable and beneficial use. Allows more than one such registration. Requires conditions for crop frost protection. Prohibits such use registration for a facility served or used pursuant to a permit or license for domestic or municipal use. Provides the requirements stream system registration. Relates to stream flow requirements.	09/06/2011 - Enrolled.;09/07/2011 - *****To GOVERNOR.	
AB 1048 Harkey (R)	Water Quality: Recycled Water and Wastewater: Fluoride		Requires the State Water Resources Control Board to adopt a statewide policy establishing standards for levels of fluoride in recycled water and wastewater.	03/16/2011 - Re-referred to ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.	Sponsor: SDCWA 4/25 - SDCWA pulling the bill. Working on an administrative solution. 2_Year_Bill
AB 1184 Gatto (D)	Public Employees' Retirement Benefits		Requires the Board of Administration of PERS to develop guidelines and implement program changes to ensure that a contracting agency that creates a significant increase in actuarial liability due to increased compensation bears the associated liability. Requires the system actuary to assess an increase in liability and make adjustments to the employer's rates. Applies the requirements to any significant increase in actuarial liability due to increased compensation paid to a nonrepresented employee.	09/09/2011 - In ASSEMBLY. From Unfinished Business. To Inactive File.	Inactive File
AB 1283 Berryhill B (R)	Safe, Clean, and Reliable Drinking Water Supply Act		Declares the intent of the Legislature to enact legislation relating to the Safe, Clean, and Reliable Drinking Water Supply Act of 2012.	02/18/2011 - INTRODUCED.	2_Year_Bill
AB 1354 Huber (D)	Public Works: Progress Payments: Notice: Retention	Oppose	Requires that a contractor pay a subcontractor on a public works project within 7 days after receipt of each progress payment. Relates to the time period for written notice regarding a claim against the bond of a contractor under a public works contract. Relates to retention proceeds withheld under a public works contract. Relates to progress payments made under a public works contract.	05/03/2011 - In ASSEMBLY Committee on BUSINESS, PROFESSIONS & CONSUMER PROTECTION: Not heard.	Sponsor: American Subcontractors Association California
SB 27	Public Employees'		Amends the State Teachers' Retirement Law. Relates to the Defined	08/25/2011 - In	2_Year_Bill

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
Simitian (D)	Retirement		Benefit Supplement Program and creditable compensation. Relates to the receipt of lump-sum payments. Relates to substitute employees' postretirement compensation. Authorizes penalties for late or improper adjustments to on Cash Balance Benefit Program contributions. Requires a Public Employees' Retirement System participating employer to notify the Board of Administration of payrate changes.	ASSEMBLY Committee on APPROPRIATIONS: Not heard.	
SB 31 Correa (D)	Local Government: Lobbyist Registration		Enacts a comprehensive scheme to regulate lobbying entities that lobby local government agencies, including requirements to register and make periodic reports regarding certain lobbying activities. Requires each agency to create a commission to implement and enforce these provisions. Provides that any person who knowingly or willingly violates a provision, or knowingly or willfully aides and abets any person in violation of any provision is guilty of a misdemeanor.	03/31/2011 - Re-referred to SENATE Committee on ELECTIONS AND CONSTITUTIONAL AMENDMENTS.	2_Year_Bill
SB 34 Simitian (D)	Water Resources Investment Act of 2011	Oppose	Requires revenues and charges collected under the Water Resources Investment Program to be deposited in the state Water Resources Investment Program Fund and a number of regional investment accounts within the fund. Requires money in the regional accounts be for water-related projects and programs. Requires state account moneys be appropriated for specified statewide water-related programs and the Delta plan, mercury contamination in the Sacramento-San Joaquin Delta, and for related bond debt service.	05/04/2011 - From SENATE Committee on GOVERNANCE AND FINANCE: Do pass to Committee on APPROPRIATIONS.	Author d to convene a stakeholder process in the interim. 2_Year_Bill
SB 46 Correa (D)	Public Officials: Compensation Disclosure	Oppose_Amend	Requires every designated employee and other person, except a candidate for public office, who is required to file a statement of economic interests to include a compensation disclosure form that provides compensation information for the preceding calendar year. Requires every agency to post of that agency's Internet Web site information contained on the compensation disclosure form filed by a person required to file a statement of economic interests. Requires the adoption of emergency regulations.	08/22/2011 - In SENATE. Read third time, urgency clause adopted. Passed SENATE. *****To ASSEMBLY.	2_Year_Bill Proposed amends (reflect CSDA/ACWA amends: (1) changes should build on SCO's efforts to avoid duplication and tax/ratepayer cost. (2) Compensation not include expenses.

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
SB 52 Steinberg (D)	Water Quality: Sacramento Regional Sanitation District		Appropriates funds to the Department of Water Resources from the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 to provide financial assistance to the Sacramento Regional County Sanitation District to offset rate increases associated with the costs of capital improvements to the district's regional sewage treatment plant.	05/02/2011 - In SENATE Committee on ENV QUALITY: Reconsideration granted.	2_Year_Bill
SB 186 Kehoe (D)	The Controller		Authorizes the Controller to exercise discretionary authority to perform an audit or investigation of any county, city, special district, joint powers authority, or redevelopment agency. Expands existing law, providing that if reports are not made in a specified manner of if there is reason to believe that reports are false, an investigation may be made and a copy of the results transmitted to the grand jury of the county, to also include a special district, joint powers authority, or redevelopment agency.	06/29/2011 - In ASSEMBLY Committee on LOCAL GOVERNMENT: Reconsideration granted.	2_Year_Bill
SB 194 Governance and Finance Cmt	Local Government: Omnibus Bill		Authorizes a county to accept payments by credit card, debit card, or EFT. Relates to public records. Amends the County Budget Act. Relates to the maximum amount that a local legislative body may transfer from a special fund to the general fund, invest in a foreign bank, community service district boards, general plan public meetings, Subdivision Map Act and conveyances of land, sanitation employees, local taxation, facilities improvements, local construction contracts and business improvement districts.	09/06/2011 - *****To GOVERNOR.	
SB 200 Wolk (D)	Sacramento-San Joaquin Delta: Bay Delta Conservation	Oppose	Amends the Delta Reform Act of 2009 that requires the Delta Stewardship Council to consider the Bay Delta Conservation Plan (BDCP) for inclusion in a specified Delta Plan and the authorizes the incorporation of the plan into the Delta Plan if the BDCP meets certain requirements. Requires any state agency that is responsible for authorizing or implementing any action of the BDCP to ensure the action is consistent with specified requirements prescribed by these provisions.	03/24/2011 - In SEN. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES AND WATER.	2_Year_Bill
SB 215 Huff (R)	Invasive Aquatic Species: Mussels	Support	Extends the repeal date of existing law that generally prohibits a person from possessing, importing, shipping, or transporting, or from placing, planting, or causing to be placed or planted in any water within the state, dreissenid mussels, and authorizes the Director of Fish and Game or his or her designee to engage in enforcement activities. Provides that a person who violates, resists, delays, obstructs, or interferes with the implementation of these provisions is subject to a penalty.	09/06/2011 - *****To GOVERNOR.	

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
SB 224 Pavley (D)	Public Contracts: Department of Water Resources	Support	Amends existing law regarding public contract approvals by the Department of General Services and requires the securing of a minimum number of competitive bids, with an exemption thereto. Makes those provisions inapplicable to any contract entered into by the Department of Water Resources for the acquisition, sale, or transmission of power, or related services. Authorizes the department to award contracts for acquisition of special equipment, and contracts with a specified minimum monetary threshold.	09/14/2011 - *****To GOVERNOR.	
SB 250 Rubio (D)	Sacramento-San Joaquin Delta: Delta Plan: Facility		Amends the Sacramento-San Joaquin Delta Reform Act of 2009 which requires the incorporation of the Bay Delta Conservation Plan into the Delta Plan and requires the Bay Plan to include a review and analysis of Delta conveyance alternatives including specified canals and pipelines. Requires the Department of Water Resources development of certain Delta conveyance facilities to be completed on or before a specified date, and the construction of those facilities to be completed by a specified date.	08/29/2011 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on RULES.	2_Year_Bill
SB 293 Padilla (D)	Payment Bonds: Laborers	Oppose	Requires prime contractors or subcontractors, in a public or private work of improvement, to pay to a subcontractor certain amounts within a specified number of days after receipt of a progress payment. Makes changes relating to enforcement of claims on payment bonds, preliminary notices to enforce such claims, withholding of retention proceeds in public work construction contracts, and progress payments under such contracts. Provides an exemption. Relates to progress payments and subcontractor termination.	09/14/2011 - *****To GOVERNOR.	Gut and Amend - 5% retention. Public Works Coalition - priority oppose.
SB 449 Pavley (D)	Controller: Local Agency Financial Review		Authorizes the Controller to conduct a preliminary review to determine the existence of a local agency financial problem, and perform an audit upon completion of that review and to convene a local agency financial review committee and to authorize the committee to recommend a financial recovery plan for a local agency requesting assistance. Requires the Controller to report to the Legislature on the actions of the committee and the status of all engagements with local agencies.	06/29/2011 - In ASSEMBLY Committee on LOCAL GOVERNMENT: Reconsideration granted.	2_Year_Bill
SB 474 Evans (D)	Commercial Construction Contracts: Indemnity	Oppose	Provides that for construction contracts that are not for residential construction, a direct contract with a public agency, or the owner of private property, that purport to insure or indemnify specified individuals are unenforceable to the extent the claims are for active negligence or willful misconduct upon the part of specified individuals, or defects, or to	09/12/2011 - Enrolled.	

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
			the extent the claims do not arise out of the scope of work of the individuals. Relates to public contracts. Exempts home improvements.		
SB 475 Wright (D)	Infrastructure Financing		Authorizes a local governmental agency to enter into an agreement with a private entity for financing for specified types of revenue generating infrastructure projects. Requires an agreement to include adequate financial resources to perform the agreement. Permits the agreements to lease or license to, or provide other permitted uses by, the private entity.	06/29/2011 - In ASM Com on L GOV: Reconsideration granted.	2_Year_Bill
SB 571 Wolk (D)	Water Commission: Water Plan: Water Resources		Provides for the organization of the State Water Commission as a separate agency in state government. Enacts the Water Resources Investment Planning Act to establish regional water planning agencies and a state water investment plan. Provides the frequency for plan updates. Requires the State Department of Water Resources and regional agencies to submit related reports to the commission. Prescribes the contents of the reports and the purpose for developing the reports.	04/13/2011 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.	Informally tied to SB 34 (Simitian) related to a public goods charge on water. 2_Year_Bill
SB 607 Walters (R)	Water Resources Board: Brackish Groundwater Treatment		Requires the Water Resources Control Board to either amend the State Ocean Plan, or adopt separate standards, to address water quality objectives and effluent limitations that are specifically appropriate for brackish groundwater treatment system facilities that produce municipal water supplies for local use.	09/06/2011 - Signed by GOVERNOR.;09/06/ 2011 - Chaptered by Secretary of State. Chapter No. 241	Sponsor: SOCWA
SB 834 Wolk (D)	Integrated Regional Water Management Plans: Contents		Requires an integrated regional water management plan to address specified water quality and water supply matters and identify the manner in which the plan furthers a specified state policy concerning reducing reliance on the Sacramento-San Joaquin Delta for water supply and improving regional self-reliance for water, if the region depends on water for the watershed. Requires integrated regional water management plans to incorporate that requirement. Relates to plan funding.	09/09/2011 - *****To GOVERNOR.	
SB 900 Steinberg (D)	Regional Water Quality Control Boards: Members		Amends the Porter-Cologne Water Quality Control Act. Deletes provisions of the act prohibiting a board member from participating in actions that involve the member or a waste discharger with which the member is connected. Specifies that the limitation on the member's financial interest applies only to a disqualifying financial interest within the Political Reform Act. Relates to requirements, qualifications, and to disqualifying factors for regional board members.	07/01/2011 - In ASSEMBLY. To Inactive File.	Inactive File

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
SB 911 De Leon (D)	Local Agency Bonds: Reports		Requires the Chief Fiscal Officer of a local agency issuing bonds to file a report on any project funded with its governing body within 60 days after the close of the agency's fiscal year. Provides that failure to do so on time shall result in a suspension of bond proceeds until the report is submitted. Requires a issuing local agency, upon a request about any expenditure of bond proceeds exceeding a specified amount, to make specified information available with respect to any expenditure or expenditures.	05/23/2011 - To ASSEMBLY Committee on LOCAL GOVERNMENT.	2_Year_Bill

EXHIBIT "B"
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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
AB 23 Smyth (R)	Local Agency Meetings: Compensation Disclosure		Amends the Ralph M. Brown Act which requires each legislative body of a local agency to provide the time and place for holding regular meetings. Authorizes a convened legislative body whose membership constitutes a quorum of any other legislative body to convene a meeting of the subsequent legislative body, simultaneously or in serial order, only if a clerk or member announces the amount of compensation or stipend, if any, each member will receive as a result of convening simultaneous or serial meetings.	07/25/2011 - Signed by GOVERNOR.;07/25/2011 - Chaptered by Secretary of State. Chapter No. 91	
AB 46 Perez J (D)	Local Government: Cities		Provides that a city with a specified population would be disincorporated into that city's respective county unless a county board of supervisors determines, by majority vote, that continuing such a city within that county's boundaries would serve a public purpose, and it is impracticable for residents to organize in another form of local governance. Requires the local agency formation commission within the county to oversee the terms and conditions of the disincorporation of the city.	08/29/2011 - In SENATE. Read third time. Failed to pass SENATE.	
AB 89 Hill (D)	County Employees' Retirement		Authorizes a resolution that requires safety members of a county hired on and after the effective date of this measure to pay all or part or part of the retirement contributions by a member or employer or both. Provides that this payment would become part of the accumulated contributions of the safety member. Provides for procedures if a safety member is represented by a bargaining unit. Relates to the County of San Mateo.	10/02/2011 - Chaptered by Secretary of State. Chapter No. 390	
AB 148 Smyth (R)	Local Government: Ethics Training: Disclosure	Watch	Defines the term ethics laws, for purposes of training for officers and employees of a local government, to include compensation setting guidelines as established by specified organizations. Requires the local agency to post the ethics training records of all elected members on the local agency's Internet Web site, if any, and to submit a copy of the records to the Controller. Requires a local agency that has adopted a written attendance compensation policy to post the policy on the local agency's Web site.	05/27/2011 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.	2_Year_Bill CSDA - Supportive

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
<u>AB 162</u> Smyth (R)	Local Government: Financial Reports		Requires that, if an audit of a local agency reveals certain financial irregularities, the findings be sent separately to the Controller immediately after the audit has been concluded. Requires the Controller to prepare and transmit a report on those findings, and the Controller's recommendations, to the Assembly Committee on Local Government and the Senate Committee on Local Government.	02/18/2011 - To ASSEMBLY Committee on LOCAL GOVERNMENT	2_Year_Bill
<u>AB 187</u> Lara (D)	State Auditor: Audits: Local Government Agency Program		Authorizes the State Auditor, subject to specified conditions, to establish a high-risk local government agency audit program to identify, audit, and issue reports on any local government agency, including any city, county, or special district, or any publicly created entity that the State Auditor identifies as being at high risk for the potential of waste, fraud, abuse, or mismanagement or that has major challenges associated with its economy, efficiency, or effectiveness.	10/04/2011 - Chaptered by Secretary of State. Chapter No. 451	
<u>AB 249</u> Berryhill B (R)	Contractors	Watch	Relates to the damages recoverable for residential property construction or improvements by a unlicensed contractor. Authorizes a person who utilizes the services of a contractor for the construction or improvement of property other than specified residential property to bring an action to recover funds paid to the contractor for performance of any act or contract during the time the contractor was not licensed. Authorizes a licensed contractor who performed a portion of such work to also bring an action.	08/22/2011 - In ASSEMBLY. Re-referred to Committee on BUSINESS, PROFESSIONS & CONSUMER PROTECTION.	2_Year_Bill
<u>AB 253</u> Smyth (R)	Local Agencies: Accounting		Requires the Controller to prescribe uniform accounting procedures that are applicable only to specified types of special districts. Requires the Controller to prescribe uniform accounting procedures for cities in collaboration with the Committee on City Accounting Procedures which would be created by this bill. Makes various conforming changes.	06/27/2011 - In SEN. Re-referred to Committee on GOV AND FIN.	2_Year_Bill
<u>AB 276</u> Alejo (D)	Local Government: Financial Reports		Repeals provision of existing law that specifies the conditions necessary for making a renewed demand to bargain between an agricultural employer and a certified labor organization representing agricultural employees. Provides that the related declaration for such renewed bargaining demand may be filed 180 days after any request to bargain.	08/22/2011 - Re-referred to SENATE Committee on RULES.	2_Year_Bill

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
<u>AB 309</u> Cook (R)	Public Officers: Removal from Office		Relates to appointed or ex officio office holders on the governing bodies of any local agency. Provides that an appointed or ex officio office becomes vacant where the appointed or ex officio individual has been debarred, suspended, disqualified, or otherwise excluded from participating in federal covered transactions.	10/07/2011 - Signed by GOVERNOR.;1 0/07/2011 - Chaptured by Secretary of State. Chapter No. 543	
<u>AB 340</u> Furutani (D)	Public Employees' Retirement		Relates to the State Teachers' Retirement System, the Public Employees' Retirement System, the Judges' Retirement System, and the Judges Retirement System II. Declares the intent of the Legislature to convene a conference committee to craft responsible, comprehensive legislation to reform state and local pension systems in a manner that reflects both the legitimate needs of public employees and the fiscal circumstances of state and local governments.	09/09/2011 – ASM refused to concur in SEN amends. ****To CONFERENCE Committee.	2_Year_Bill
<u>AB 344</u> Furutani (D)	Public Employees' Retirement		Deletes the authorization for the Public Employees' Retirement Board to adopt regulations permitting exemptions to the average increase in final compensation for members, including school members, who are not in a group or class. Repeals an existing law that provides that a person may serve without reinstatement under an appointment that exceeds a specified number of hours in any fiscal year, if the governing body of the contracting agency requests approval from the Board.	09/09/2011 - In SENATE. From third reading. To Inactive File.	
<u>AB 392</u> Alejo (D)	Ralph M. Brown Act: Posting Agendas		Requires the legislative body of a local agency, at least 72 hours before a regular meeting of that body, to post the agenda and staff generated reports that relate to an agenda item for the open session of that regular meeting. Requires the legislative body to post the agenda and the writings on its internet web site or in a public location if the body has not web site.	05/27/2011 - In ASSEMBLY Committee on APPROPRIATI ONS: Held in committee.	2_Year_Bill Sponsor: Realtors CSDA: Oppose
<u>AB 457</u> Wagner (R)	Public Works Contracts: Relief for Bidders		Entitles a bidder who successfully challenges the award of a public works contract determined to be invalid due to errors or omissions of the public entity to recover costs and attorney's fees incurred in pursuing the challenge. Allows attorney's fees and costs to be awarded to the public entity under specified circumstances.	05/03/2011 - In ASSEMBLY Committee on BUSINESS, PROFESSIONS	2_Year_Bill

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				& CONSUMER PROTECTION: Not heard.	
<u>AB 506</u> Wieckowski (D)	Local Government: Bankruptcy: Neutral Evaluation	Oppose	Prohibits a local public entity from filing under federal bankruptcy law unless the entity has met specified requirements including participation in a neutral evaluation process, or a local public agency has declared a fiscal emergency and has adopted a resolution at a notice public hearing, that includes findings that the agency's financial status jeopardizes the health, safety, or well-being of the residents of the agency's jurisdiction or service area absent bankruptcy protections.	10/09/2011 - Chapered by Secretary of State. Chapter No. 675	
<u>AB 527</u> Hernandez R (D)	Public Officials: Financial Interests		Amends existing law that prohibits specified public employees from being financially interested in any contract made by them in their official capacity and defines remote interest related thereto. Requires that the remote interest be disclosed at a public meeting of that body or board. Provides the conditions that members of the Legislature, state, county, and city officers or employees shall be deemed to be financially interested in a contract. Limits the liability of any person under specified provisions.	08/30/2011 - From SENATE Committee on GOV ORG without further action pursuant to JR 62(a).	2_Year_Bill
<u>AB 582</u> Pan (D)	Open Meetings: Local Agencies		Requires that proposed compensation increases of more than a certain percentage for specified employees under the Ralph M. Brown Act be publicly noticed.	05/27/2011 - In ASSEMBLY Committee on APPROPRIATI ONS: Held in committee.	2_Year_Bill
<u>AB 738</u> Hagman (R)	Public Employees' Retirement: Elected Officials		Prohibits a person who is publicly elected to an office of any kind on and after January 1, 2012, from becoming a member of a retirement system by virtue of that service or acquiring any retirement right or benefit for serving in that elective office. Applies these prohibitions to a person who is appointed to fill the term of a person so elected.	05/04/2011 - In ASM Com on PUBLIC EMPL, RETIREMENT AND SS: Not heard.	2_Year_Bill
<u>AB 782</u> Brownley (D)	Public Employee Benefits: Audits		Requires the Board of Administration of PERS to notify the subject of an audit, before initiating the audit, of the estimated time required to complete the audit. Specifies factors upon which the estimate would be	07/25/2011 - Signed by GOVERNOR.;0	

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			based. Authorizes the board to assess a reasonable charge upon the employer to recover additional costs incurred for the excess time to complete the audit if an audit requires an excess of the time estimated. Exempts the contracting agency from assessments for reasonable delays.	7/25/2011 - Chaptered by Secretary of State. Chapter No. 107	
AB 785 Mendoza (D)	Political Reform: Public Officers: Financial Interest		Provides that a public official who is an elected or appointed member of a state or local government agency has a financial interest in a decision of that agency if an immediately family member of the official has a financial interest in the decision. Ascribes a financial interest to an immediate family member. Defines immediate family member to mean a public official's spouse or domestic partner, child, parent, sibling, or the spouse or domestic partners of a child, parent, or sibling.	04/25/2011 - In ASSEMBLY. Re-referred to Com on ELECTIONS AND REDISTRICT	2_Year_Bill
AB 834 Hernandez R (D)	Local Government Contracts		Requires the legislative body of a city, county, or district to review any contract with a private party with a specified total value, that contains an automatic renewal clause on or before the annual date by which the contract may be rescinded.	06/03/2011 - In ASSEMBLY. Reconsideration granted.;06/03/2011 - In ASSEMBLY. To Inactive File.	2_Year_Bill
AB 870 Grove (R)	Public Employees' Retirement: Hybrid Plan		Requires the Board of Administration of the Public Employees' Retirement System to create a hybrid retirement plan for public employees who become members on or after a specified date, that offers a defined contribution plan and defined benefit plan for retirement for service and a defined benefit plan for retirement for disability or death. Prohibits the creation of vest property right for members with respect to any employer contributions before retirement.	03/31/2011 - In ASSEMBLY. Re-referred to Committee on PUBLIC EMPL, RETIREMENT AND SS.	2_Year_Bill
AB 873 Furutani (D)	Postgovernment Employment Restrictions		Prohibits members of the Board of Administration of the Public Employees' Retirement System (PERS) and the Teachers' Retirement System Board (STRS), and specified officers and employees of PERS and STRS from engaging in certain employment activities, including representing another person to influence specified actions and from aiding, advising, consulting with, or assisting a business entity in	10/07/2011 - Signed by GOVERNOR.;10/07/2011 - Chaptered by Secretary of	

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
			negotiations or obtaining a contract, for specified time periods after leaving the entities.	State. Chapter No. 551	
<u>AB 875</u> Donnelly (R)	Public Employees' Retirement		Relates to the Public Employees' Retirement Law. Provides that for persons first hired on and after a specified date, for the purpose of determining any pension or benefit with respect to a public entity defined benefit retirement system, it is prohibited to include credit for accrued leave of any form or credit for overtime work in the calculation of final compensation, as specified.	05/04/2011 - In ASM Com on PUBLIC EMPL, RETIREMENT AND SS: Reconsideration granted.	2_Year_Bill
<u>AB 1028</u> Pub Emp, Rtrmnt & Soc Sec Cmt	State Employees' Retirement		Provides a revision of the Public Employees Retirement Law to include an school member payrate, the request for a new amortization period by a contracting agency or school employer, budget-related contribution rates, funds to reduce the employer contribution for patrol members, trial court member furlough credit, patrol member retirement formulas, a limited duration appointment of a retiree, retiree interim or temporary appointments, the appointment of a disabled retiree, and death benefits.	10/03/2011 - Signed by GOVERNOR.;1 0/03/2011 - Chaptered by Secretary of State. Chapter No. 440	
<u>AB 1132</u> Smyth (R)	Public Employees' Retirement		Makes a technical, nonsubstantive change to existing law providing a comprehensive set of rights and benefits based upon age, service credit, and final compensation to members of the Public Employees' Retirement System. Authorizes a retired person to serve without reinstatement from retirement or loss or interruption of benefits provided by the Public Employees' Retirement System as a member of any board, commission, or advisory committee.	02/18/2011 - INTRODUCED.	2_Year_Bill
<u>AB 1151</u> Feuer (D)	Public Retirement Systems: Investments: Iran		Amends the State Public Divest from Iran Act which prohibits the Public Employees' Retirement System and the State Teachers' Retirement System from investing in a company with operations in Iran. Prohibits the boards from investing in a company that has a financial investment in parts of the energy sector of Iran. Requires annual reviews and public posting. Eliminates the exception for investments in certain companies providing humanitarian relief and promoting health, education, and religion.	10/03/2011 - Signed by GOVERNOR.;1 0/03/2011 - Chaptered by Secretary of State. Chapter No. 441	

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
<u>AB 1184</u> Gatto (D)	Public Employees' Retirement Benefits		Requires the Board of Administration of PERS to develop guidelines and implement program changes to ensure that a contracting agency that creates a significant increase in actuarial liability due to increased compensation bears the associated liability. Requires the system actuary to assess an increase in liability and make adjustments to the employer's rates. Applies the requirements to any significant increase in actuarial liability due to increased compensation paid to a nonrepresented employee.	09/09/2011 - In ASSEMBLY. From Unfinished Business. To Inactive File.	2_Year_Bill
<u>AB 1212</u> Mansoor (R)	County Employees' Retirement		Authorizes the South Coast Air Quality Management District to adopt and provide retirement benefits for its employees, including unrepresented employees, hired on, or after, the date specified in any resolution, contract, or contract amendment. Prohibits those benefits unless they are adopted by the district's governing board pursuant to a memorandum of understanding.	06/02/2011 - In ASSEMBLY. From third reading. To Inactive File.	2_Year_Bill
<u>AB 1247</u> Fletcher (R)	Public Retirement Systems: Reporting		Amends the Public Employees' Retirement Law (PERS). Relates to the reporting of calculations of the contribution rates for specified state employees and state employers. Requires the Board of Administration of PERS to submit that report annually. Limits the scope of the report to state employee retirement plans. Revises the adjustments of the investment return assumptions and discount rates utilized by the board any time it calculates the contribution rates. Deletes a specified reporting requirement.	10/09/2011 - Signed by GOVERNOR.;1 0/09/2011 - Chaptered by Secretary of State. Chapter No. 733	
<u>AB 1287</u> Buchanan (D)	Local Government: Audits		Requires local agencies, defined to include cities, counties, a city and county, special districts, authorities, or public agencies, to comply with General Accounting Office standards for financial and compliance audits and prohibits an independent auditor from engaging in financial compliance audits unless the auditor completes a quality control review.	03/21/2011 - To ASSEMBLY Committee on LOCAL GOVERNMENT	2_Year_Bill
<u>AB 1320</u> Allen (D)	Public Employees' Retirement		Establishes for each employer a Employer Rate Stabilization Account and related fund to stabilize employer retirement contributions. Requires the investment of the fund assets be established by the PERS Board of Administration. Requires contributions to the account and authorizes draws on the account under certain conditions. Establishes	09/09/2011 - In ASSEMBLY. From Unfinished Business. To Inactive File.	2_Year_Bill

IRWD 2011 LEGISLATIVE MATRIX – GOVERNMENT REFORM
Updated: October 10, 2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
			in each county or district's retirement fund a Rate Stabilization Account, and also requires contributions to the account and authorizes draws on the account.		
<u>AB 1345</u> Lara (D)	Local Government: Boards and Councils		Provides that, in the event of the loss of a quorum of city council members due to vacant seats on the city council, voluntarily, by removal, or for some other legal reason, establishes a city council appointment committee consisting of any remaining city council members, the city's chief administrative officer, a representative from the county board of supervisors, and as many public members as are required to meet the same number of city council members.	03/31/2011 - In ASSEMBLY. Re-referred to Committee on LOCAL GOVERNMENT	2_Year_Bill
<u>AB 1350</u> Lara (D)	Property Taxation: Override Rates: Validation		Requires the county auditor, if a local jurisdiction increases or extends a property tax rate for the purpose of making payments in support of certain pension programs, prior to the increase or extension of the rate, to verify the rate increased or extended does not exceed the maximum authorized by law. Requires the jurisdiction to provide the auditor with any documentation necessary to assist in making the verification, and to reimburse the auditor. Requires the auditor to reject an excessive increase.	10/02/2011 - Chaptered by Secretary of State. Chapter No. 428	
<u>AB 1354</u> Huber (D)	Public Works: Progress Payments: Notice: Retention	Oppose	Requires that a contractor pay a subcontractor on a public works project within 7 days after receipt of each progress payment. Relates to the time period for written notice regarding a claim against the bond of a contractor under a public works contract. Relates to retention proceeds withheld under a public works contract. Relates to progress payments made under a public works contract.	05/03/2011 - In ASM Comon BUS, PROF & CONSUMER PROTECTION: Not heard.	2_Year_Bill Sponsor: American Subcontractors Association California
<u>AB 1379</u> Bradford (D)	Economic Development: Public Pension Funds		Requires a state or local pension system with a specified amount of assets to report to the Controller on state investments and emerging domestic market investments that it obtains and holds in its portfolio. Requires the Board of Administration of the Public Employees' Retirement System along with the Teachers' Retirement Board to share with other pension systems streamlined and cost-effective methods to identify investments. Authorizes investment information to be placed on the Controller's Web site.	10/05/2011 - Vetoed by GOVERNOR.	

IRWD 2011 LEGISLATIVE MATRIX – GOVERNMENT REFORM

Updated: October 10, 2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
<u>SB 27</u> Simitian (D)	Public Employees' Retirement		Amends the State Teachers' Retirement Law. Relates to the Defined Benefit Supplement Program and creditable compensation. Relates to the receipt of lump-sum payments. Relates to substitute employees' postretirement compensation. Authorizes penalties for late or improper adjustments to on Cash Balance Benefit Program contributions. Requires a Public Employees' Retirement System participating employer to notify the Board of Administration of payrate changes.	08/25/2011 - In ASSEMBLY Committee on APPROPRIATIONS; Not heard.	2_Year_Bill
<u>SB 31</u> Correa (D)	Local Government: Lobbyist Registration		Enacts a comprehensive scheme to regulate lobbying entities that lobby local government agencies, including requirements to register and make periodic reports regarding certain lobbying activities. Requires each agency to create a commission to implement and enforce these provisions. Provides that any person who knowingly or willfully violates a provision, or knowingly or willfully aides and abets any person in violation of any provision is guilty of a misdemeanor.	03/31/2011 - Re-referred to SENCom on ELECT AND CONST AMENDS.	2_Year_Bill
<u>SB 46</u> Correa (D)	Public Officials: Compensation Disclosure	Oppose_Amend	Requires every designated employee and other person, except a candidate for public office, who is required to file a statement of economic interests to include a compensation disclosure form that provides compensation information for the preceding calendar year. Requires every agency to post of that agency's Internet Web site information contained on the compensation disclosure form filed by a person required to file a statement of economic interests. Requires the adoption of emergency regulations.	08/22/2011 - In SENATE. Read third time, urgency clause adopted. Passed SENATE. *****To ASSEMBLY.	Proposed amendments (1) any changes should build on SCO's current efforts to avoid unnecessary duplication and tax/ratepayer cost. (2) Compensation should not include expenses.
<u>SB 115</u> Strickland (R)	Public Employees: Pensions: Forfeiture		Requires a public officer or employee who is convicted of any felony for specified criminal activity arising directly out of that person's official duties to forfeit all rights and benefits under, and membership in, any public retirement system in which they are a member, effective on the conviction date. Requires any contributions made by that public officer or employee to the system that arose directly from the forfeited service would be returned to the officer or employee without interest.	05/02/2011 - In SENATE Committee on PUBLIC EMPLOYMENT AND RETIREMENT: Reconsideration granted.	2_Year_Bill

IRWD 2011 LEGISLATIVE MATRIX – GOVERNMENT REFORM

Updated: October 10, 2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
SB 136 Yee (D)	Public Contracts: Prevailing Wages		Expands the definition of public work for the purposes of provisions relating to the prevailing rate of per diem wages, to also include any construction, alteration, demolition, installation, or repair work done under private contract that satisfies specified conditions related to energy.	10/09/2011 - Chaptered by Secretary of State. Chapter No. 698	CSDA oppose
SB 186 Kehoe (D)	The Controller		Authorizes the Controller to exercise discretionary authority to perform an audit or investigation of any county, city, special district, joint powers authority, or redevelopment agency. Expands existing law, providing that if reports are not made in a specified manner of if there is reason to believe that reports are false, an investigation may be made and a copy of the results transmitted to the grand jury of the county, to also include a special district, joint powers authority, or redevelopment agency.	06/29/2011 - In ASSEMBLY Committee on LGOV:Reconsid eration granted.	2_Year_Bill
SB 194 Governance and Finance Cmt	Local Government: Omnibus Bill		Authorizes a county to accept payments by credit card, debit card, or EFT. Relates to public records. Amends the County Budget Act. Relates to the maximum amount that a local legislative body may transfer from a special fund to the general fund, invest in a foreign bank, community service district boards, general plan public meetings, Subdivision Map Act and conveyances of land, sanitation employees, local taxation, facilities improvements, local construction contracts. and business improvement districts.	09/30/2011 - Signed by GOVERNOR.;0 9/30/2011 - Chaptered by Secretary of State. Chapter No. 382	
SB 203 Correa (D)	County Employee Retirement: Boards		Deletes the authority of a County Retirement Board to prohibit a member from having the same rights, privileges, responsibilities, and access to closed sessions as the 2nd, 3rd, 7th or 8th member, or from holding positions on committees of the board and participating in board or committee deliberations. Modifies the authority of alternate members. Provides for elections to fill vacancies. Prescribes a process to fill vacancies on a related board of investments.	07/26/2011 - Signed by GOV.;07/26/201 1 - Chaptered by Secretary of State. Chapter No. 124	
SB 235 Negrete McLeod (D)	Water Conservation Districts: Number of Director		Authorizes a water conservation district with a board of directors consisting of 7 directors, to reduce the number of directors to 5, consistent with specified requirements. Provides that these provisions do not apply to districts within the County of Ventura.	07/25/2011 - Signed by GOV 07/25/2011 - Chaptered by Secretary of	

IRWD 2011 LEGISLATIVE MATRIX – GOVERNMENT REFORM

Updated: October 10, 2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
				State. Chapter No. 122	
SB 236 Anderson (R)	California Public Records Act		Makes technical, nonsubstantive changes to the California Public Records Act which requires state and local agencies to make public records available for inspection by the public.	02/17/2011 - To SENATE Com on RULES.	2_Year_Bill
SB 288 Negrete McLeod (D)	Local Government: Independent Special Districts		Authorizes the governing board of an independent special district to provide for the establishment of a revolving fund in an amount not to exceed a specified amount of the independent special district's adopted budget for that fiscal year. Requires the resolution establishing the fund to make specified designations relating to the purposes for which the fund may be expended, the district officer with authority and responsibility over the fund, the necessity for the fund, and the maximum amount of the fund.	07/07/2011 - Signed by GOVERNOR.;0 7/08/2011 - Chapered by Secretary of State. Chapter No. 66	Sponsor: CSDA
SB 293 Padilla (D)	Payment Bonds: Laborers	Oppose	Requires prime contractors or subcontractors, in a public or private work of improvement, to pay to a subcontractor certain amounts within a specified number of days after receipt of a progress payment. Makes changes relating to enforcement of claims on payment bonds, preliminary notices to enforce such claims, withholding of retention proceeds in public work construction contracts, and progress payments under such contracts. Provides an exemption. Relates to progress payments and subcontractor termination.	10/09/2011 - Chapered by Secretary of State. Chapter No. 700	Gut and Amend - 5% retention. Public Works Coalition - priority oppose.
SB 321 Negrete McLeod (D)	State Employees: Memorandum of Understanding		Approves the provisions of a memorandum of understanding entered into between the state employer and State Bargaining Unit 2 that requires the expenditure of funds.	03/24/2011 - Re- referred to SEN Com on PUBLIC EMPL AND RETIREMENT.	2_Year_Bill
SB 322 Negrete McLeod (D)	Retirement		Amends the Public Employees' Retirement Law and annuities. Prohibits a member who receives benefits based on credited service with multiple employers from exceeding the limitations set forth in those provisions with regard to his or her annual retirement benefits.	06/29/2011 - Signed by GOV 07/01/2011 - Chapered by Secretary of State. Chapter No. 47	

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Updated: October 10, 2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
SB 350 Negrete McLeod (D)	Public Employees' Retirement System: Death Benefits		Amends the Public Employees' Retirement Law as regards preretirement death benefits. Requires assets and liabilities of contracting agencies to be pooled. Provides that certain members entitled to receive survivor allowance benefits receive increased benefits. Deletes provisions relating to contracting agency survivor benefit accounts. Relates to the contribution rate when pooled assets and liabilities exceeds a certain percentage of the total liabilities of the pool.	09/06/2011 - Vetoed by GOVERNOR.	
SB 398 Hernandez E (D)	Retirement: Placement Agents		Amends existing law that regulates investments made by public pension and retirement systems and defines the term external managers and placement agents. Provides an updated definition for both an external manager and placement agent. Exempts such agents for requirements imposed by a local government agency if agent meets any of several investment advisor-related requirements.	10/09/2011 - Chaptered by Secretary of State. Chapter No. 704	
SB 449 Pavley (D)	Controller: Local Agency Financial Review		Authorizes the Controller to conduct a preliminary review to determine the existence of a local agency financial problem, and perform an audit upon completion of that review and to convene a local agency financial review committee and to authorize the committee to recommend a financial recovery plan for a local agency requesting assistance. Requires the Controller to report to the Legislature on the actions of the committee and the status of all engagements with local agencies.	06/29/2011 - In ASSEMBLY Committee on LOCAL GOVERNMENT Reconsideration granted.	2_Year_Bill
SB 474 Evans (D)	Commercial Construction Contracts: Indemnity	Oppose	Provides that for construction contracts that are not for residential construction, a direct contract with a public agency, or the owner of private property, that purport to insure or indemnify specified individuals are unenforceable to the extent the claims are for active negligence or willful misconduct upon the part of specified individuals, or defects, or to the extent the claims do not arise out of the scope of work of the individuals. Relates to public contracts. Exempts home improvements.	10/09/2011 - Chaptered by Secretary of State. Chapter No. 707	Local government coalition oppose: CSDA, ACWA, CSAC, League, RCRC, CAJPA, CASA, etc. Builders/Contractors coalition oppose
SB 520 Walters (R)	Public Employees' Retirement: Hybrid Plan		Requires the Public Employees' Retirement System Board of Administration to create a hybrid retirement plan for employees who become members after a specified date, that offers a defined contribution and defined benefit plan for service and a defined benefit	03/24/2011 - Re- referred to SEN Com on PUBLIC EMPLOYMENT	2_Year_Bill

IRWD 2011 LEGISLATIVE MATRIX – GOVERNMENT REFORM
Updated: October 10, 2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
			plan for retirement for disability or death. Prohibits these plans from creating a vested property right for the member with respect to any employer contributions before retirement.	AND RETIREMENT.	
SB 521 Walters (R)	Public Employees' Benefits: Postemployment Health Care		Requires the Public Employees' Retirement System Board of Administration to determine the actuarially required contributions necessary to ensure that postemployment health care benefits provided under the Public Employees' Medical and Hospital Care Act are fully funded. Requires an employee first hired on or after a specified date, and his or her employer, to each pay 50% of those actuarially required contributions, to be deposited into the Annuitants' Health Care Coverage Fund.	03/24/2011 - Re-referred to SENATE Committee on PUBLIC EMPLOYMENT AND RETIREMENT.	2_Year_Bill
SB 522 Walters (R)	Public Employees' Retirement: Additional Service Credit		Amends existing law that authorizes certain members of the Public Employees' Retirement System and the Teachers' Retirement System, and county, city, and district retirement systems the payment of contributions for additional retirement service credit for time that does not qualify for public service. Repeals these provisions. Makes related technical changes.	03/22/2011 - In SENATE. Re-referred to Com on PUBEMPL AND RET	2_Year_Bill
SB 523 Walters (R)	Public Employees' Retirement: Elected Local Officials		Prohibits a person who is publicly elected to a local office of any kind from becoming a member of a retirement system by virtue of that service or from acquiring any retirement right or benefit for serving in that elective local office. Applies these prohibitions to a person who is appointed to fill the term of a person so elected.	03/22/2011 - In SENATE. Read second time and amended. Re-referred to Com on PUB EMPL AND RET	2_Year_Bill
SB 524 Walters (R)	Public Employees' Retirement: Retroactive Benefits		Excludes matters relating to the retroactive effect of pension benefit increases from the scope of representation of public employees by recognized employee organizations. Prohibits these organizations from negotiating for a retroactive effect of pension benefit increases. Requires that any adjustment to the formula used to calculate retirement benefits of a member of a retirement system that would yield an increase in benefits apply only to service performed after the operative date of the adjustment.	03/22/2011 - In SENATE. Re-referred to Committee on PUBLIC EMPLOYMENT AND RETIREMENT.	2_Year_Bill

IRWD 2011 LEGISLATIVE MATRIX – GOVERNMENT REFORM

Updated: October 10, 2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
SB 525 Walters (R)	Public Employees' Retirement: Eligibility		Prohibits a state employee who becomes a member of the Public Employees' Retirement System on or after a specified date, and who is not a state patrol member, a state safety member, or state police officer/firefighter member, from retiring for service prior to reaching 55 years of age.	03/24/2011 - Re-referred to SEN Com on PUB EMPL AND RETIREMENT.	2_Year_Bill
SB 526 Walters (R)	Public Employees' Retirement: Final Compensation		Requires, for persons first hired on and after a specified date, for the purpose of determining any pension or benefit with respect to a public entity defined benefit retirement system, that final compensation means the highest annual average compensation earnable by the person during a consecutive 36-month period of membership. Prohibits the inclusion of credit for accrued leave of any form or credit for overtime work in the calculation of compensation.	03/24/2011 - Re-referred to SENATE Com on PUBLIC EMPLOYMENT AND RETIREMENT.	2_Year_Bill
SB 527 Walters (R)	Public Employees' Organizations: Negotiation: Benefits		Excludes matters relating to pension benefits from the scope of representation of public employees by recognized employee organizations, and would thereby prohibit these employee organizations from negotiating pension benefits with public employers, except for the amount of employee contributions to the pension plans.	03/24/2011 - Re-referred to SEN Committee on PUB EMPL AND RET.	2_Year_Bill
SB 528 Walters (R)	Public Employees' Retirement: Board of Administration		Provides for the appointment of a specified number of members of the Public Employees' Retirement System Board of Administration by the Governor based on their demonstrated expertise in the financial and actuarial fields. Calls for a special election to be consolidated with a statewide election in 2011 to ratify a change, amendment, or modification enacted by the Legislature.	03/22/2011 - In SENATE. Re-referred to Com on PUBLIC EMPLOYMENT AND RET.	2_Year_Bill
SB 689 Harman (R)	Public Retirement Systems		Requires the Public Employees' Retirement System, the State Teachers' Retirement System, and the University of California Retirement System each to establish and maintain an Internet Web site that allows the public to access specified information about any retired member who receives a pension of a specified sum or more annually, and specified information regarding the costs of postretirement health care benefits.	05/02/2011 - In SENATE Com on PUBLIC EMPLOYMENT AND RETIREMENT: Not heard.	2_Year_Bill
SB 820 Walters (R)	Public Retirement: State Employer Contributions:		Requires an annual report to include only contribution rates for the state employer. Requires the board to include a calculation of the liabilities of the fund using discount rates equal to the average rate of	03/24/2011 - Re-referred to SENATE Com	2_Year_Bill

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Updated: October 10, 2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
	Report		investment return since the establishment of the fund, and the average rate of investment return since a specified date. Requires the Treasurer, to present the information to a publicly noticed, joint meeting of the budget and retirement committees of both houses of the Legislature.	on PUBLIC EMPLOYMENT AND RETIREMENT.	
<u>SB 903</u> Anderson (R)	Public Retirement Systems: Investments: Iran		Amends Public Divest from Iran Act prohibits the Public Employees' Retirement System and the State Teachers' Retirement System from investing public employee retirement funds in a company with business operations in Iran that is invested in or engaged in business operations with entities in certain sectors. Provides that nothing in those provisions requires either board to take action described in this section if it determines that the action would be a breach of the fiduciary responsibilities described.	08/25/2011 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.	2_Year_Bill
<u>SB 911</u> De Leon (D)	Local Agency Bonds: Reports		Requires the Chief Fiscal Officer of a local agency issuing bonds to file a report on any project funded with its governing body within 60 days after the close of the agency's fiscal year. Provides that failure to do so on time shall result in a suspension of bond proceeds until the report is submitted. Requires a issuing local agency, upon a request about any expenditure of bond proceeds exceeding a specified amount, to make specified information available with respect to any expenditure or expenditures.	05/23/2011 - To ASSEMBLY Committee on LOCAL GOVERNMENT	2_Year_Bill
<u>SB 931</u> Evans (D)	Payroll Cards		Authorizes an employer to pay an employee's wages by means of a payroll card provided that specified requirements are satisfied. Makes a violation a misdemeanor. Subjects a violator to specified civil penalties.	10/09/2011 - Vetoed by GOVERNOR.	Opposition Coalition: ACWA, CSDA, CSAC, League, CAJPA, ACHD, CHA, RCRC, CASA
<u>SCA 7</u> Yee (D)	Public Bodies: Meetings		Proposes an amendment to the Constitution to include in the Constitution the requirement that each public body provide public notice of its meetings and disclose any action taken.	08/25/2011 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.	

October 24, 2011

Prepared by: R. Thatcher/M. Hoolihan

Submitted by: G.P. Heiertz

Approved by: Paul Cook

CONSENT CALENDAR

QUITCLAIM OF REAL PROPERTY

SUMMARY:

Kaiser-Permanente Hospital is in the process of installing covered parking areas utilizing solar panels on its roof to generate a portion of its electric power for the hospital. As part of this project, an existing water pipeline was relocated to allow the construction of the parking. Halladay-Mim Mack, on behalf of Kaiser-Permanente, has requested that the District quitclaim the portion of the existing water, sewer and reclaimed water easement that was affected by this project. Staff has reviewed the request and determined that the quitclaim can take place. A new easement has already been granted by Kaiser-Permanente for the relocated pipeline. The Resolution authorizing said quitclaim is attached as Exhibit "A", the Quitclaim Deed is attached as Exhibit "B", and a map showing the location of the existing easement (quitclaim area) and the new easement is shown on Exhibit "C".

FISCAL IMPACT:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable. Not a project as defined under CEQA.

RECOMMENDED MOTION:

ADOPT THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2011 - _____

RESOLUTION OF THE BOARD OF DIRECTORS OF
IRVINE RANCH WATER DISTRICT
APPROVING EXECUTION OF THE QUITCLAIM DEED TO
KAISER FOUNDATION HOSPITALS

LIST OF EXHIBITS:

- Exhibit "A" – Resolution
- Exhibit "B" – Quitclaim Deed
- Exhibit "C" – Location Map

EXHIBIT "A"

RESOLUTION NO. 2011 - _____

RESOLUTION OF THE BOARD OF DIRECTORS OF
IRVINE RANCH WATER DISTRICT
APPROVING EXECUTION OF THE QUITCLAIM DEED TO
KAISER FOUNDATION HOSPITALS

WHEREAS, Kaiser Foundation Hospitals, has requested that the Irvine Ranch Water District (IRWD) Board approve the quitclaim of Parcel 3 of the easement for water, sewer, and reclaimed water pipeline and access purposes that was granted to IRWD per Instrument No. 2009000023038 of Official Records of Orange County; and

WHEREAS, the purpose of the quitclaim is to allow the construction of covered parking with solar panel roofs; and

WHEREAS, a relocated pipeline was installed and a new easement has be granted by the property owner; and

WHEREAS, the purpose of the quitclaim is to clear title to the property; and

WHEREAS, staff has reviewed and confirmed that the portion of said easement can be quitclaimed; and

WHEREAS, the proposed Quitclaim has been presented to this Board of Directors, copy of which is attached hereto as Exhibit "B".

NOW, THEREFORE, BE IT RESOLVED, the Quitclaim Deed attached hereto as Exhibit "B" to Kaiser Foundation Hospitals, a California non-profit public benefit corporation, herein described and hereby is approved and execution by the District's officers is authorized.

ADOPTED, SIGNED and APPROVED this 24th day of October, 2011.

President, IRVINE RANCH WATER
DISTRICT and of the Board of Directors
thereof

Secretary, IRVINE RANCH WATER
DISTRICT and of the Board of Directors
thereof

APPROVED AS TO FORM:
BOWIE, ARNESON, WILES & GIANNONE
IRWD Legal Counsel

By _____

EXHIBIT "B"

**RECORDING REQUESTED BY AND
WHEN RECORDED RETURN TO:**

Kaiser Foundation Hospitals
6640 Alton Parkway
Irvine, CA 92618
Attn:

ASSESSOR PARCEL NO(S):

466-081-01, -02

(Space Above This Line For Recorder's Use)

IRWD Doc. No. E _____
IRWD Res.No. _____

DOCUMENTARY TRANSFER TAX \$ consideration less than \$100
_____ Computed on the consideration or value of property conveyed; OR
_____ Computed on the consideration or value less liens or encumbrances
remaining at time of sale.

Signature or Declarant or Agent determining tax – Firm Name

EASEMENT QUITCLAIM DEED

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, IRVINE RANCH WATER DISTRICT, a California Water District organized under and existing pursuant to Section 34000 *et seq.* of the California Water Code, does hereby REMISE, RELEASE, AND FOREVER QUITCLAIM to KAISER FOUNDATION HOSPITALS, a California non-profit public benefit corporation, or the current owner of record,

all RIGHT, TITLE and INTEREST in the real property located in the City of Irvine, County of Orange, State of California, being Parcel 3 as described and conveyed in the Grant of Easement to Irvine Ranch Water District recorded January 20, 2009 as Instrument No. 2009000023038 of Official Records in the Office of the County Recorder of said County.

The rights hereby quitclaimed are not necessary or useful in the performance of the duties of said Irvine Ranch Water District.

Dated: _____, 2011

IRVINE RANCH WATER DISTRICT,
a California Water District

By: _____
Name: Steven E. LaMar
Title: President

By: _____
Name: Leslie Bonkowski
Title: District Secretary

MAIL TAX STATEMENTS TO THE ABOVE ADDRESS

STATE OF CALIFORNIA)
)
COUNTY OF ORANGE)

On _____, 2011, before me, _____, a Notary Public in and for said State, personally appeared Steven E. LaMar and Leslie Bonkowski, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

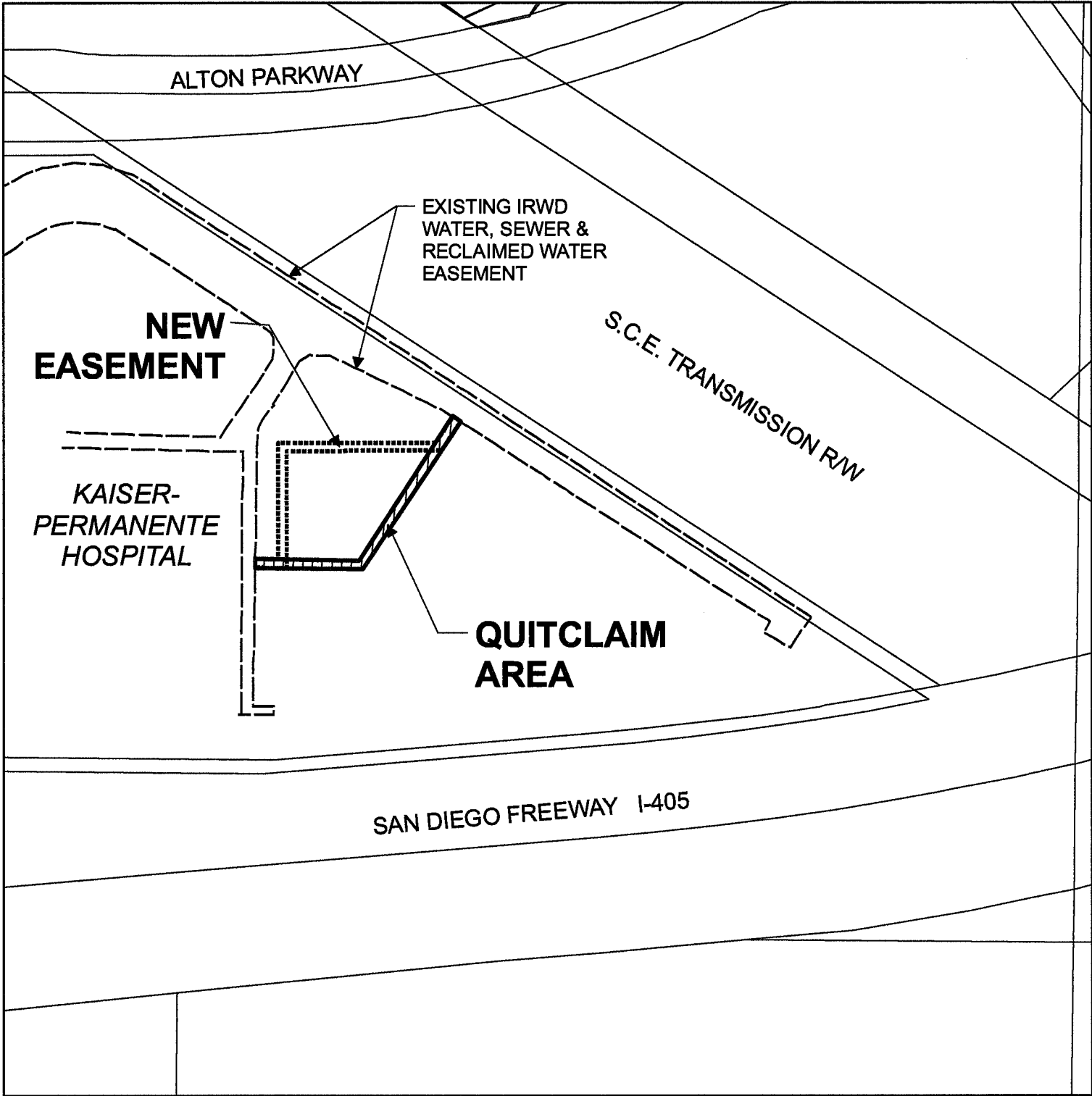
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____
Notary Public in and for said State

(SEAL)

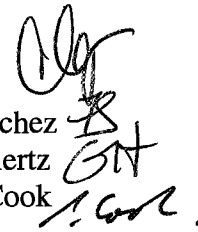
EXHIBIT "C" LOCATION MAP



**QUITCLAIM OF WATER, SEWER AND RECLAIMED WATER
PIPELINE EASEMENT TO KAISER FOUNDATION HOSPITALS**



October 24, 2011
Prepared By: F. Sanchez
Submitted by: G. Heiertz
Approved by: Paul Cook



CONSENT CALENDAR

NEWPORT COAST IRRIGATION RUNOFF REDUCTION PROGRAM

SUMMARY:

Urban runoff, primarily due to over-irrigation, has proven to be a significant challenge to manage along the Newport Coast. Irvine Ranch Water District (IRWD) and the City of Newport Beach (City) have both previously implemented weather-based controller retrofit programs and extensive monitoring projects within the Buck Gully watershed. Other coastal watersheds, including Los Trancos and Muddy Creek in the Newport Coast area, are also showing increased urban runoff flows. The City has received a Proposition 84 grant to implement an irrigation runoff reduction project for the Newport Coast within the IRWD and City water service areas to help address the problem.

The City is proposing to split the \$750,000 in grant funds equally between the two service areas. Each agency would contribute a cost-share of \$150,000 that would be used to help fund the irrigation upgrades, which includes installation of approximately 300 weather-based irrigation controllers in each service area. Flow sensors may also be installed where appropriate. Staff recommends that the Board authorize an increase in the FY 2011-12 Operating Budget of \$150,000, and authorize the General Manager to execute an agreement with the City for IRWD's participation in the program which will operate from October 2012 until June 2014, or until funding is exhausted. A draft of the agreement is included as Exhibit "A" which will be finalized without any substantive changes.

BACKGROUND:

Urban Runoff from Over-Irrigation:

Over-irrigation is one of the primary sources of dry-season urban runoff, and frequently carries with it fertilizers, pesticides and other contaminants which pollute waterways and ultimately the Pacific Ocean. Runoff is of particular concern in the Newport Coast area where several drainages, including Buck Gully, Los Trancos Canyon, and Muddy Canyon, flow into coastal waters designated as "Areas of Special Biological Significance" (ASBS). Observations suggest that flows in Buck Gully increased substantially with development in the upstream watershed over the last 15 years, and IRWD has been involved in several programs intended to document and reduce flows in the drainage. Over the last few years, flow monitoring has shown increasing flows in Los Trancos and Muddy Canyons corresponding to increased development in tributary areas. Under agreement with the Irvine Company, IRWD operates low flow diversion facilities that convey flows from Los Trancos and Muddy Canyons to the Orange County Sanitation District sewer located in Pacific Coast Highway.

Factors Contributing to Over-Irrigation and Runoff:

There are several contributing factors, both technical and behavioral, that lead to over-irrigation; examples include:

- Poor irrigation system maintenance – checking for broken laterals, broken or clogged heads, and weeping valves is not conducted on a regular (monthly) basis. Since irrigation systems typically run in the early morning, most customers are unaware of problems and respond to dry spots by increasing irrigation times.
- Inappropriate irrigation scheduling – nearly all customers in the coastal area have automatic irrigation controllers with water management features. However, few customers and/or their landscape contractors program the controllers to optimize water use and minimize runoff.
- Lack of knowledge and awareness – while IRWD makes every effort to promote water use efficiency, there is still a general lack of understanding regarding the relationship between over-irrigation and runoff, and more importantly, how it can be addressed.

Proposed Program Objectives:

The proposed program will address these problems by:

- Providing customers with free comprehensive site audits. Customers will be given detailed information on their irrigation systems, and problems and recommended improvements will be identified;
- Where appropriate, install weather-based irrigation controllers that automatically adjust irrigation schedules. Previous studies conducted by IRWD (Westpark Study, Runoff Reduction Study and Buck Gully Study) documented reductions in water use and urban runoff from the installation of these types of controllers.
- Installation of flow sensors at sites where appropriate. Flow sensors detect unusual high flows from an irrigation system in the case of an irrigation line break, and will automatically shut down the irrigation system, thereby minimizing the water waste.

The City has already entered into an agreement with Valley Soils to provide turn-key program installation including marketing, site audits, device installation and reporting. IRWD will collaborate with the City and Valley Soils to market the program within IRWD's service area. High use and over-allocation potable irrigation and single family customer accounts will be targeted. Valley Soils will provide IRWD with site audit and device installation information for all participating IRWD customers. The program will begin in October 2011 and operate until 2014 or until funding is exhausted.

The City estimates that the grant will provide funding for approximately 600 controllers; therefore, with a 50% share, approximately 300 would be installed within IRWD's service area. Based on IRWD's total cost-share of \$150,000, the average fully loaded cost per controller installation is \$500. The actual number may vary due to the final mix of residential and commercial controllers installed, and differences in device costs. There may also be differences in demand for the program in the two service areas. The City and IRWD will meet, at least

annually, to review the distribution, and reallocate funding as warranted based on participation levels. In the event that there is insufficient demand within IRWD's service area, the City will reimburse IRWD a pro-rated share of its co-funding, based on participation. In the event there is higher demand within IRWD's service area, the City may offer an additional share of grant funds to IRWD. In that event, staff will seek authorization for additional IRWD co-funding. All of IRWD's co-funding will be used entirely within IRWD's service area.

FISCAL IMPACTS:

IRWD's cost-share to jointly participate in the Newport Coast Irrigation Upgrade Program with the City of Newport Beach is \$150,000. The FY 2011-12 Operating Budget would be increased by \$150,000 to be funded through unallocated conservation revenues.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed at the Water Resources Policy and Communications meeting on October 17, 2011.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE AN INCREASE OF \$150,000 TO THE FY 2011-12 OPERATING BUDGET FROM UNALLOCATED CONSERVATION REVENUES, AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE AN AGREEMENT WITH THE CITY OF NEWPORT BEACH FOR PARTICIPATION IN THE NEWPORT COAST IRRIGATION RUNOFF REDUCTION PROGRAM.

LIST OF EXHIBITS:

Exhibit "A" – Draft Cooperative Agreement Between the City of Newport Beach and Irvine Ranch Water District for the Irrigation Runoff Reduction Program

EXHIBIT "A"

DRAFT
COOPERATIVE AGREEMENT
BETWEEN
CITY OF NEWPORT BEACH AND IRVINE RANCH WATER DISTRICT
FOR THE
IRRIGATION RUNOFF REDUCTION PROGRAM

This Cooperative Agreement ("**Agreement**") is entered into the _____ day of _____ 2011, by and between the **City of Newport Beach**, a municipal corporation in the State of California (the "**City**"), and Irvine Ranch Water District, a California water district existing pursuant to Section 34000 *et seq.* of the California Water Code ("**IRWD**"), which are sometimes individually referred to as "**Party**" or collectively referred to as "**Parties.**"

RECITALS

WHEREAS, The State Water Resources Control Board (State Water Board) and the City have entered into an agreement for the City to receive funds from the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 (Proposition 84) Clean Beaches Program for the eligible project costs of the Newport Coast Areas of Special Biological Significance (ASBS) Protection Implementation Program (the "**Program**"), a program designed to comply with the discharge prohibition into ASBS contained in the California Ocean Plan;

WHEREAS, A portion of these funds are proposed to be used for funding an irrigation runoff reduction project ("**Project**") for Newport Coast Watershed that includes water service areas of the City and IRWD;

WHEREAS, The City and IRWD collaborated successfully on a similar program in 2006 that installed over 500 Smartimer Irrigation Controllers at residential properties in Newport Coast;

NOW, THEREFORE, in consideration of the mutual promises set forth herein, the Parties hereto agree as follows:

ARTICLE 1. ELEMENTS OF AGREEMENT

The Parties will work cooperatively together to complete the Project in a manner that will minimize costs and meet the requirements of the City's agreement with the State Water Board. Program funds expended for the Project will be equally divided between the City and IRWD service areas. IRWD-contributed funds will be used only within IRWD's

service area. The specific terms and conditions governing the elements of this Agreement are set forth hereinafter.

Nothing in this Agreement is intended to be deemed to be the provision of any service to water customers or property owners or other activity outside of each party's respective service area, and to the extent the performance of any aspect of this Agreement can be considered a "service," California Government Code Section 54981 permits a local agency to contract with another local agency for performance by the latter of municipal services or functions within the territory of the former.

ARTICLE 2. RESPONSIBILITIES OF CITY

City agrees to the following responsibilities:

- A. Manage the Project per the terms of the agreement with the State Water Board including preparation of quarterly progress reports and a final report.
- B. Manage the contract between the City and Valley Soil, Inc (the "Contractor"), the consultant selected to perform the Project work, which includes marketing, site visits, installations of water efficiency equipment, customer service and training, data collection and compilation, rebate application preparation, technical support and reporting.
- C. Coordinate with IRWD to select products acceptable to IRWD within its service area for the installation of water efficiency equipment and devices.
- D. Provide IRWD with customer participation data, list of equipment and devices installed, date of installation, site survey information, and cost and rebate information in an electronic database on a monthly basis for any IRWD program participants and other Project information as requested by IRWD.
- E. Provide IRWD with a copy of the Contractor-prepared weekly work plan. Ensure that the Contractor directly notifies IRWD of any customer-service related issues involving IRWD customers within 24 hours, and provide IRWD with status updates until the issue is satisfactorily resolved.
- F. Notify and invite the participation of IRWD staff at Project meetings.
- G. Provide IRWD with draft copies of any materials to be distributed to or used with IRWD customers, for review and approval by IRWD prior to their use.
- H. Working with IRWD, assist the Contractor in reviewing water usage records to identify high landscape-irrigation water usage areas in the Newport Coast watershed.
- I. Based on the review of water usage records, work in concert with IRWD to identify target areas for marketing the Project in IRWD's service area.

- J. Provide post-installation inspections within the City's service area.
- K. In addition to Program funding, provide \$150,000 of City co-funding for the Project for sites within the City of Newport Beach water service area. Obtain rebates from the Municipal Water District of Orange County ("MWDOC") for the Project irrigation controllers installed in the City's and IRWD's service areas, and apply such rebate funds to purchase and install additional controllers, to be equally divided between the City's and IRWD's service areas.
- L. Receive IRWD co-funding provided under Article 3(F), and apply such amounts to the Project in IRWD's service area.
- M. Allocate a target minimum of 300 irrigation controllers for the IRWD service area. The target is based on an assumed average fully loaded cost for a residential controller, and represents the allocation of approximately \$375,000 of the Program grant funds to IRWD's service area, together with the IRWD co-funding amount and one-half of the MWDOC rebate amount. In the event that installed controllers in the IRWD service area fall short of the target number of 300 controllers, the City will refund to IRWD a pro-rated portion of IRWD's co-funding contribution, based on a fully loaded cost of \$500 per controller. City and IRWD will review the Project expenditures annually after the effective date of this Agreement and discuss any reallocation of grant funding. By mutual agreement, grant funds may be reallocated and Party co-funding may be adjusted based upon actual customer participation levels in the City and IRWD water service areas. Additional controllers above the 300 minimum target amount may be available to IRWD at a fully loaded cost of \$500 per unit.

The City agrees, within the requirements of the Public Records Act, to protect all IRWD customer database information in confidence, to the same degree of care and legal responsibility as the City protects its own confidential and proprietary information from disclosure. In the event a public records request is made for information regarding IRWD customers, the City shall provide prompt notice to IRWD in order to provide IRWD with the opportunity to pursue the applicable action for withholding any such records from disclosure. The City shall cause and require the Contractor and any consultants with access to IRWD customer data to protect IRWD data as confidential and proprietary and ensure that the data is only used for the express approved purposes of this program.

ARTICLE 3. RESPONSIBILITIES OF IRWD

IRWD agrees to the following responsibilities:

- A. Working with City, provide water usage records and assist the Contractor in reviewing water usage records to identify high landscape-irrigation water usage areas in the Newport Coast watershed.

- B. Participate in Project planning and coordination meetings.
- C. Review draft customer materials that will be used within IRWD's service area in a timely manner.
- D. Based on the review of water usage records, work in concert with City to identify target areas for marketing the project. Provide the City with a database of eligible customers to be targeted for this Project including customer contact and service address information.
- E. Provide post-installation inspections within the IRWD service area.
- F. In addition to Program funding, provide \$150,000 in co-funding. All IRWD co-funding shall be allocated by the City entirely to IRWD's service area within the City of Newport Beach. IRWD's customer eligibility and funding is limited to potable water customers and single-family residential recycled water customers. As specified in Article 2, Item M, IRWD's co-funding and grant funding share may be adjusted based on customer participation levels. IRWD's co-funding amount of \$150,000 shall not be exceeded without IRWD's prior written authorization.

ARTICLE 4. ENVIRONMENTAL DOCUMENTATION

City shall be responsible for compliance with the California Environmental Quality Act ("CEQA") for activities associated with Project.

ARTICLE 5. INDEMNIFICATION & HOLD HARMLESS.

City shall defend, indemnify, and hold harmless IRWD, and its officers, employees and agents with respect to any claim, damage, loss, cause of action, lawsuit or proceeding that arises out of or is in any way related to any act or omission by City or its officers, employees or agents in the performance or non-performance of any duty or obligation pursuant to this Agreement. IRWD shall defend, indemnify, and hold harmless the City and its officers, employees and agents with respect to any claim, damage, loss, cause of action, lawsuit or proceeding that arises out of or is in any way related to any act or omission by IRWD or its officers, employees, or agents in the performance or non-performance of any duty or obligation pursuant to this Agreement.

ARTICLE 6. INSURANCE

City shall ensure that the Contractor provides evidence of general liability and workers compensation insurance at a level and with coverages acceptable to IRWD and that IRWD is named as an additional insured in such insurance.

ARTICLE 8. NOTICES

Any notice or other written instrument required or permitted by this Agreement to be given to either Party shall be deemed received when either personally served or by facsimile, or forty-eight (48) hours after being deposited in the U.S. Mail, postage prepaid, registered or certified, and addressed as follows:

To City: City of Newport Beach
 Attn: Bob Stein
 Assistant City Engineer
 3300 Newport Blvd., P.O. Box 1768
 Newport Beach, CA 92658

To IRWD: Irvine Ranch Water District
 Attn: Fiona Sanchez
 15600 Sand Canyon Avenue
 Irvine, CA 92618.

ARTICLE 9. ATTORNEYS' FEES

In the event suit is brought by either Party to enforce the terms and provisions of this Agreement, or to secure the performance hereof, each Party shall bear its own attorneys' fees.

ARTICLE 10. FORCE MAJEURE

Except for the payment of money, neither Party shall be liable for any delays or other non-performance resulting from circumstances or causes beyond its reasonable control, including, without limitation, fire or other casualty, Act of God, strike or labor dispute, war or other violence, acts of third parties not within City's or County's reasonable control or any law, order or requirement of any governmental agency or authority.

ARTICLE 13. GOVERNING LAW & VENUE

This Agreement shall be governed by and construed under the laws of the State of California. In the event of any legal action to enforce or interpret this Agreement, the sole and exclusive venue shall be a court of competent jurisdiction located in Orange County, California, and the Parties hereto agree to and do hereby submit to the jurisdiction of such court, notwithstanding the provisions of Code of Civil Procedure Section 394. The Parties agree to waive any and all rights to request that an action be transferred for trial to another County.

ARTICLE 14. ENTIRE AGREEMENT

This Agreement constitutes the entire understanding and agreement between the Parties and supersedes all previous negotiations between them pertaining to the subject matter thereof.

ARTICLE 15. WAIVER

A waiver of a breach of the covenants, conditions or obligations under this Agreement by either Party shall not be construed as a waiver of any succeeding breach of the same or other covenants, conditions or obligations of this Agreement.

ARTICLE 16. MODIFICATION

Alteration, change or modification of this Agreement shall be in the form of a written amendment, which shall be signed by each Party.

ARTICLE 17. ASSIGNMENT

Neither party shall assign its performance of this Agreement, nor any part thereof, without the prior written consent of the non-assigning party.

ARTICLE 18. TERMINATION

The term of this Agreement shall extend from the date of full execution until June 30, 2014, or until the specified responsibilities of the Parties have been fulfilled or rescinded by both Parties, whichever is earlier. This Agreement shall remain in effect during the term unless earlier terminated under the following procedures:

(a) If either Party to this Agreement believes that the other party has failed to perform any obligation of that Party in accordance with the terms of this Agreement ("Default"), the Party alleging the Default shall provide written notice ("Default Notice") to the other Party, setting forth the nature of the alleged Default. Unless otherwise provided by a specific term of this Agreement, the Party claimed to be in Default shall have (i) with respect to a Default involving the payment of money, ten (10) days after its receipt of the Default Notice to completely cure such Default, and (ii) with respect to any other type of Default, thirty (30) days from the receipt of the Default Notice to completely cure such Default or, if such Default cannot reasonably be cured within such thirty (30) day period, to commence the cure of such Default within the thirty (30) day period and diligently prosecute the cure to completion thereafter. If the Party claimed to be in Default does not cure such Default within the time periods and procedures as set forth herein, the Party alleging Default may then pursue the applicable legal and equitable remedies.

(b) In the event either Party determines it is not feasible or permissible to continue to perform this Agreement due to issues regarding whether a service or activity is being performed outside of a Party's service area, or because the

Project participation is exceeding IRWD's approved not-to-exceed co-funding amount specified in Article 3(F), either Party may terminate this agreement upon ten (10) days prior written notice to the other Party. In the event of any such termination, the Parties will remain obligated to perform and pay for any obligation incurred prior to the effective date of said termination unless otherwise prohibited by law or regulation.

ARTICLE 19. COUNTERPARTS

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute but one and the same instrument.

ARTICLE 20. AVAILABILITY OF FUNDS

This Agreement is subject to the availability of funds appropriated for this purpose, and nothing herein shall be construed as obligating the Parties to expend or as involving the Parties in any contract or other obligation for future payment of money in excess of appropriations authorized by law.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement be executed on the date first above written.

City of Newport Beach,
a Municipal Corporation of the State of
California
By: _____
Keith Curry, Mayor

Date: _____

ATTEST:

Leilani Brown, City Clerk

Date: _____

APPROVED AS TO FORM:

By: _____
Mynette Beauchamp, Asst. City Attorney

Date: _____

Irvine Ranch Water District

By: _____
Paul Cook, Interim General Manager

Date: _____

APPROVED AS TO FORM:


By: _____
Joan C. Arneson, Legal Counsel

Date: _____

October 24, 2011

Prepared by: J. Stanart / M. Cortez

Submitted by: Kevin Burton

Approved by: Paul Cook 

CONSENT CALENDAR

ORANGE PARK ACRES TRANSMISSION PIPELINES PROJECT REDUCTION OF RETENTION

SUMMARY:

In October 2010, Leatherwood Construction, Inc. was awarded a construction contract for \$6,786,397 to construct the Orange Park Acres (OPA) Transmission Pipelines Project. Work is 53% complete and the contractor has requested that the retention being withheld by IRWD be reduced from 10% to 5%. Staff recommends that the Board authorize the reduction in the contractor's retention for this project.

BACKGROUND:

The OPA Transmission Pipelines Project is replacing the existing 1929 riveted steel pipe which will improve system reliability and fire flow to the OPA area and ultimately increase local water system pressure. The project is located within the boundaries of the City of Orange and unincorporated areas of the County of Orange. The scope of work for the project consists of approximately 23,000 linear feet of pipeline including a parallel distribution main in Rancho Santiago, distribution mains in Jon's Way, Calle Grande, Chapman, and in the alley between Equestrian and Glen Albyn Lane, three PRV stations, and the connection to the IRWD Zone 5 system at Jamboree Road and Chapman Avenue. A location map is included as Exhibit "A".

Board approval is required to reduce retention from 10% to 5%. The General Provisions state:

"At any time after 50% of the work has been satisfactorily completed and if the District determines that aggressive progress will continue to a timely completion of the contract, the District may pay any of the remaining progress payments in full for actual work completed."

Leatherwood Construction, Inc. is progressing on schedule and meeting all of the project milestone dates to bring the various pipeline segments into service as soon as they are constructed. Staff believes Leatherwood will complete work ahead of contract requirements and recommends that the Board authorize the reduction in the contractor's retention for this project.

FISCAL IMPACTS:

No adjustments are required to the FY 2011-12 Capital Budget and Expenditure Authorization for the OPA Transmission Pipelines Project, Project 11408 (1279).

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA). In conformance with the California Code of Regulations Title 14, Chapter 3, Section 15004, a Mitigated Negative Declaration was adopted on August 9, 2010.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE REDUCTION OF RETENTION FROM 10% TO 5% OF THE CONTRACT AMOUNT AND RELEASE OF FUNDS IN EXCESS OF 5% OF THE CONTRACT AMOUNT FROM RETENTION CURRENTLY HELD FOR THE ORANGE PARK ACRES TRANSMISSION PIPELINES, PROJECT 11408 (1279).

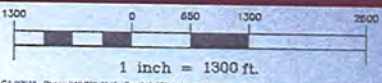
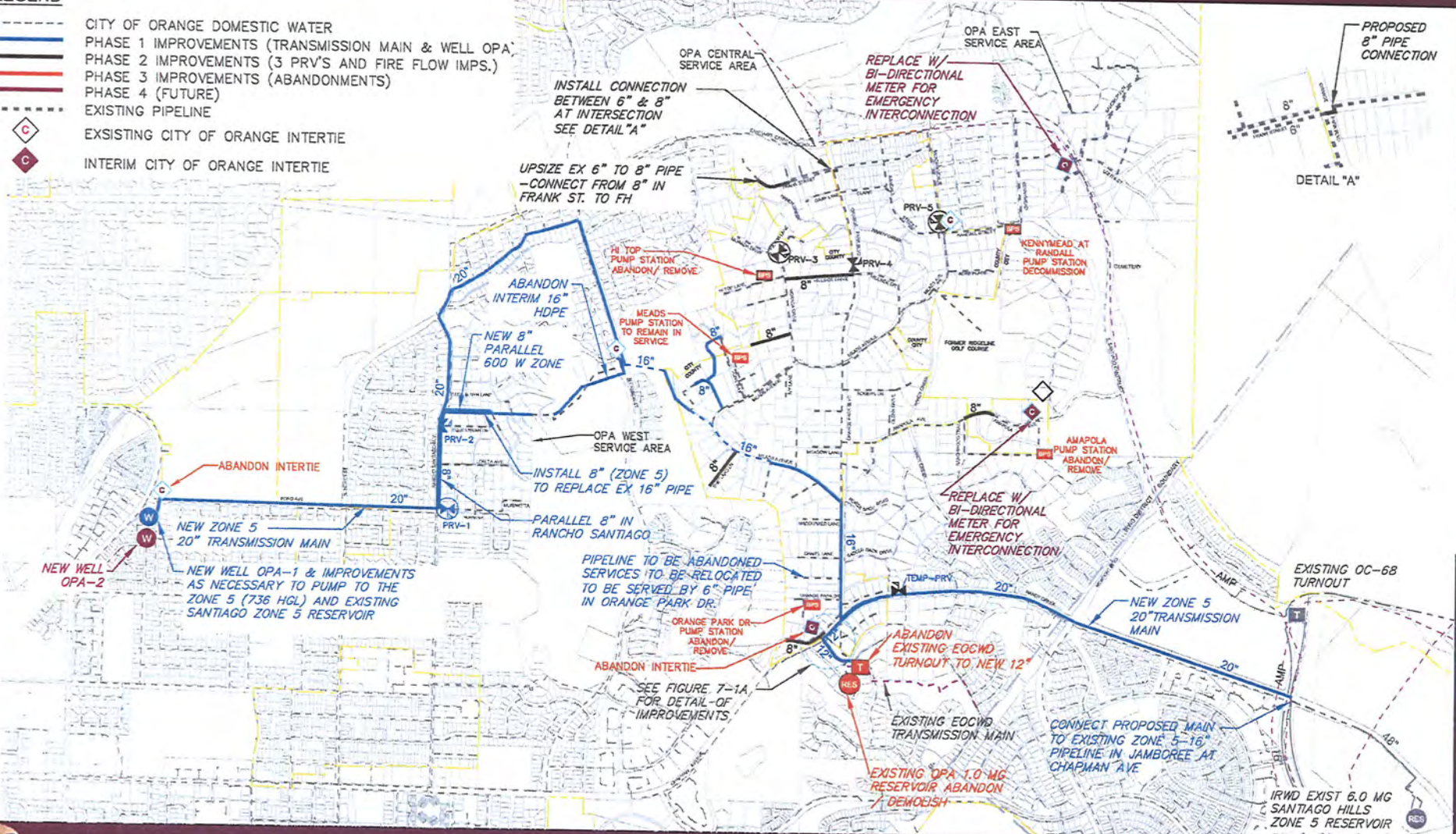
LIST OF EXHIBITS:

Exhibit "A" – Location Map

EXHIBIT "A"

LEGEND

- CITY OF ORANGE DOMESTIC WATER
- PHASE 1 IMPROVEMENTS (TRANSMISSION MAIN & WELL OPA)
- PHASE 2 IMPROVEMENTS (3 PRV'S AND FIRE FLOW IMPS.)
- PHASE 3 IMPROVEMENTS (ABANDONMENTS)
- PHASE 4 (FUTURE)
- EXISTING PIPELINE
- ◇ EXISTING CITY OF ORANGE INTERTIE
- ◇ INTERIM CITY OF ORANGE INTERTIE



15 Technology Drive, Irvine, CA 92618 Phone 949 222 6245 Fax 949 222 6198 www.stantec.com

OPA SAMP

PROPOSED WATER SYSTEM IMPROVEMENTS PHASING

FIGURE 7-1

DATE: 11/14/2011 10:48:00 AM BY: JAVIER VILLALBA, CIVIL ENGINEER, PROJECT NO: 08-00000001, SHEET NO: 08-00000001-01, PROJECT TITLE: OPA SAMP, SHEET TITLE: PROPOSED WATER SYSTEM IMPROVEMENTS PHASING

October 24, 2011

Prepared by: J. McGehee/B. Uematsu

Submitted by: K. Burton (K.B.)

Approved by: Paul Cook (P. Cook)

ACTION CALENDAR

WELLS 21 AND 22 WELLHEAD FACILITIES CONTRACT CHANGE ORDER

SUMMARY:

The Wells 21 and 22 Wellhead Facilities are being constructed by F.T. Ziebarth Company. Staff recommends that the Board:

- Approve an Expenditure Authorization in the amount of \$441,000;
- Approve Contract Change Order (CCO) No. 2, in the amount of \$356,275, to F.T. Ziebarth Company; and
- Authorize the General Manager to award a Professional Services Agreement to Geoscience Support Services, Inc. in the amount of \$55,399 for the Wells 21 and 22 Wellhead Facilities Project.

BACKGROUND:

The construction contract for the Wells 21 and 22 Wellhead Facilities (Wellheads) was awarded to F.T. Ziebarth Company in July 2011 in the amount of \$2,183,700. The project will equip each well with a submersible pump in a vault, provide on-site mechanical and electrical facilities, and perform site enhancements to more closely match the style and aesthetics of the adjacent residential community. The finished well sites will provide raw water for the Wells 21 and 22 Design-Build Desalter Plant currently being constructed by Pascal & Ludwig via the untreated water pipeline currently being constructed by Flatiron West. The Wells 21 and 22 Projects are receiving 25% matching funds, up to a maximum of \$11,700,000, in Title XVI funding through the United States Bureau of Reclamation from the American Recovery and Reinvestment Act of 2009.

Contract Change Order No. 2:

Wells 21 and 22 were initially rehabilitated in late 2008 to identify flowrates, water quality, and reverse osmosis treatment design criteria for the Design-Build Desalter Plant. Due to the wells being idle for the last two to three years, the Wellheads project specifications included that the Wellheads contractor would complete new downhole video surveys of both wells and would allow a 90-day time period for well rehabilitations if dictated by the video surveys. This would allow staff to evaluate and select the most cost effective rehabilitation work and method, namely having the rehabilitation performed by the Wellheads contractor via a change order or as a separate rehabilitation contract.

Immediately after construction award, the Wells 21 and 22 video surveys were completed. The July 2011 surveys found that some tubercle mounds had re-established, primarily within the mild steel portions of each well. Based on the video survey analyses, staff and Geoscience Support Services, Inc. (Geoscience) completed limited rehabilitation and testing specifications. These specifications were distributed to three well drillers: Best Drilling and Pump, Inc. (Best Drilling),

Bakersfield Well and Pump Co. (Bakersfield), and Boart Longyear. Cost proposals were received from Best Drilling and Bakersfield; Boart Longyear did not submit a proposal. Best Drilling provided the lower cost proposal in the amount of \$356,275, with Bakersfield's cost at \$362,742. Best Drilling is already serving as a subcontractor to F.T. Ziebarth Company on the original contract to provide and set the submersible pumps, so staff recommends that the well rehabilitation work be performed by Best Drilling as a change order to F.T. Ziebarth Company. Staff reviewed F.T. Ziebarth Company's cost proposal, negotiated changes, and mutually agreed on the costs for the new work. CCO No. 2 in the amount of \$356,275 is attached as Exhibit "A". The construction change order summary is attached as Exhibit "B".

Hydrogeologic Rehabilitation Services:

Geoscience provided the hydrogeologic services for the original Well 21 and 22 rehabilitation work completed in 2008 and also reviewed the recent video surveys. Due to their historic knowledge of these wells and their current ongoing assistance, staff requested a proposal from Geoscience to prepare the technical specifications; solicit, obtain and evaluate the driller's rehabilitation cost proposals; field inspect the rehabilitation work at each well; and prepare a summary rehabilitation report. Geoscience's proposal for \$55,399 is attached as Exhibit "C". Staff finds their scope and fee proposal to be reasonable, and staff recommends awarding a Professional Service Agreement to Geoscience in the amount of \$55,399.

FISCAL IMPACTS:

Project 10286 (1081) is included in the FY 2011-12 Capital Budget. An Expenditure Authorization is requested for CCO No. 2 and other construction-related work as shown in the table below and in Exhibit "D".

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
10286 (1081)	\$39,921,300	\$-0-	\$39,921,300	\$35,906,300	\$441,000	\$36,347,300

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act. In conformance with the California Code of Regulations Title 14, Chapter 3, Section 15004, a Mitigated Negative Declaration was adopted February 8, 2010. To fulfill requirements of the American Recovery and Reinvestment Act of 2009, the project is also subject to compliance with the National Environmental Policy Act (NEPA). An Environmental Assessment was prepared to achieve NEPA compliance for the project and the USBR has adopted a Categorical Exemption for the project.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on October 18, 2011.

RECOMMENDATION:

THAT THE BOARD APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$441,000 FOR PROJECT 10286 (1081); APPROVE CONTRACT CHANGE ORDER NO. 2 IN THE AMOUNT OF \$356,275 TO F.T. ZIEBARTH COMPANY; AND AUTHORIZE THE GENERAL MANAGER TO AWARD A PROFESSIONAL SERVICES AGREEMENT TO GEOSCIENCE SUPPORT SERVICES, INC. IN THE AMOUNT OF \$55,399 FOR THE WELLS 21 AND 22 WELLHEAD FACILITIES PROJECT 10286 (1081).

LIST OF EXHIBITS:

- Exhibit "A" – F.T. Ziebarth Contract Change Order No. 2
- Exhibit "B" – F.T. Ziebarth Construction Change Order Summary
- Exhibit "C" – Geoscience's Scope of Work and Fee Proposal
- Exhibit "D" – Expenditure Authorization

EXHIBIT "A"

CONTRACT CHANGE ORDER

IRVINE RANCH WATER DISTRICT
15600 Sand Canyon Avenue
Irvine, California 92618
(949) 453-5300



C.O. No. 2
 Final
Project No. 10286 (1081)

Wells 21 and 22 Wellheads

Project Title

Date: October 11, 2011

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
Wells 21 and 22 Rehabilitation	\$356,274.98		0
TOTAL	\$356,274.98	\$0	0

DAYS ±

1. NET AMOUNT THIS CHANGE ORDER	=	\$356,274.98	0
2. ORIGINAL CONTRACT AMOUNT	=	\$2,183,700.00	270
3. TOTAL PREVIOUS CHANGE ORDER(S)	=	\$16,529.93	0
4. TOTAL BEFORE THIS CHANGE ORDER (2+3)	=	\$2,200,229.93	270
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$2,556,504.91	270

We hereby agree to make the above change subject to the terms of this change order for the sum of: _____

Three Hundred Fifty-Six Thousand Two Hundred Seventy-Four Dollars and Ninety-Eight Cents -----

10-11-2011
Date

F. T. Ziebarth Company
Contractor

[Signature]
By

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
<u>[Signature]</u> IRWD Engineer or Consulting Engineer	<u>10/11/11</u> Date	Department Director Approval Required <input type="checkbox"/>
<u>[Signature]</u> Principal Engineer	<u>10/11/11</u> Date	General Manager Approval Required <input type="checkbox"/>
<u>[Signature]</u> Director of Engineering and Construction	<u>10/11/11</u> Date	Committee Approval Required <input type="checkbox"/>
 General Manager	 Date	Board Approval Required <input checked="" type="checkbox"/>
		By _____ Date _____
		503567
		Purchase Order No.

NOTE: The documents supporting this Change Order, including any drawings and estimates of cost, if required are attached hereto and made a part hereof. This Change Order shall not be considered as such until it has been signed by the Owner and the Contractor. Upon final approval, distribution of copies will be made as required. The parties mutually agree the pricing set forth in this Change Order are complete and fair compensation for the entirety of the work authorized under this Change Order and that no additional compensation is warranted nor shall it be allowed.

CHANGES: All workmanship and materials called for by this Order shall be fully in accord with the original Contract Documents insofar as the same may be applied without conflict to the conditions set forth by this Order. The time for completing the contract will not be extended unless expressly provided for in this Change Order.

CSG-02

F.T. ZIEBARTH COMPANY

P.O. BOX 4173 • FULLERTON, CA 92834-4173
920 E. WALNUT AVENUE • FULLERTON, CA 92831-4534
(714) 992-5151 • FAX: (714) 992-4151

September 27, 2011

Irvine Ranch Water District
15600 Sand Canyon Ave
Irvine, CA 92619-7000

Attn: Joe McGehee

Reference: **WELLS 21 & 22 DESALTER PROJECT WELLHEAD FACILITIES
WELL REHABILITATION**

Dear Joe:

We propose to rehabilitate both wells of the above referenced project as described in Goescience's August 3, 2011 memo titled "Recommendations for Cleaning and Rehabilitation Prior to Equipping IRWD Wells No. 21 and 22. Our scope will include our subcontractor providing noise control, Baker tanks and temporary discharge piping, brushing and bailing, CITM survey, verification video, development and test pumping, drawdown pumping, 24 hour constant pumping, static and dynamic spinner surveys and final disinfection all as described on Best Drilling's September 12, 2011 proposal. The cost impact is as follows:

Subcontract Well no. 21 (see attached)	\$168,150.00
Subcontract Well no. 22 (see attached)	<u>\$167,800.00</u>
	\$335,950.00
5% O & P	<u>\$16,797.50</u>
	\$352,747.50
1% Bond	<u>\$3,527.48</u>
TOTAL	\$356,274.98

We request a change order in the amount of \$356,274.98 for the extra work described above. If you have any questions or concerns regarding this proposal, please do not hesitate to contact me.

Very Truly Yours,


Rob Ziebarth
F.T. ZIEBARTH COMPANY



"Our Goal is in Our Name"

9/20/11
Geoscience Support Services, Inc.
P.O. Box 220
Claremont, CA 91750
Attn: Dennis Williams

RE: Irvine Ranch Water District, Limited Rehabilitation of Wells 21 and 22, Qualification Letter

Mr. Williams,

Best Drilling and Pump, Inc. (BDPI) is honored to provide a proposal for the IRWD, Limited Rehabilitation of Wells 21 and 22. This letter is to provide qualifications of services provided by BDPI.

Prices are based on payment terms net 30 days from date of invoice. Prices are good for 60 days.

BDPI will provide the following rehabilitation work on wells 21 & 22 per specifications.

Assumptions and Exceptions:

- BDPI is not liable for damage to vault and surrounding slab work.
- Work schedule is based on good ingress and egress to site.
- BDPI is aware of General Contractor working on-site. It is assumed that additional workdays will be granted if the project is stopped due to other work being performed by the General Contractor that inhibits access or work on-site.
- It is assumed that the work will start on or near December 1, 2011 and go through the end of January 2012.

Please contact me with any questions.

Thank you,

Mark Howard
Pump Division Sales Manager
Best Drilling and Pump, Inc.

P.O. Box 389, Bloomington, CA 92316
Telephone: 909-425-9998 Fax: 909-421-9070 Email: mhoward@bestdrillingandpump.com
Contractor No. C-57, 826672

Best Drilling and Pump, Inc.

Bid Schedule: Limited Rehabilitation - IRWD Well 21

Item	Description	Qty	Unit Price	Total Item Price
1	Mobilize and Demobilize Equipment, Materials, and Personnel Including Site Cleanup and Restoration.	1 EA	Lump Sum	\$ 26,000.00
2	Provide Insurance Coverage Naming IRWD and GEOSCIENCE as additionally Insured on the Liability Insurance Policy with at Least \$1 Million per Occurrence, \$2 Million Aggregate for General Liability, \$1 Million Auto.	1 EA	Lump Sum	\$ 2,500.00
3	Provide for Noise Control Measures (i.e., 16 ft Min. Enclosure Height, est. 130 ft Total Length as Shown in Figure 4).	1 EA	\$ 29,000.00 /EA	\$ 29,000.00
4	Provide Baker Tank, Rigid Discharge Piping, Recording Device, In-Situ Calibration of Flowmeter, Including Effluent Monitoring, Sampling and Water Quality Analysis in Compliance with OCSD Discharge Requirements.	1 EA	\$ 29,000.00 /EA	\$ 29,000.00
5	Brush 20-inch ID Mild Steel Well Casing and 16-inch ID Stainless Steel Louvered Well Screen using Weighted Nylon or Polypropylene Brush, Including Removal of Accumulated Materials by Bailing.	14 HR	\$ 350.00 /HR	\$ 4,900.00
6	Perform CITM Survey. Provide Four Hard Copies and One Electronic Copy.	1 EA	\$ 6,750.00 /EA	\$ 6,750.00
7	Perform Verification Video Survey.	1 EA	\$ 1,600.00 /EA	\$ 1,600.00
8	Install and Remove Development/Test Pumping Equipment (Deep Well Lineshaft Turbine Test Pump).	1 EA	\$ 35,000.00 /EA	\$ 35,000.00
9	Provide Redevelopment by Pumping and Surging with Deep Well Lineshaft Turbine Test Pump.	24 HR	\$ 375.00 /HR	\$ 9,000.00
10	Provide Step-Drawdown Pumping Test	8 HR	\$ 375.00 /HR	\$ 3,000.00
11	Provide 24-hr Constant Rate Pumping Test	28 HR	\$ 375.00 /HR	\$ 10,500.00
12	Provide Dynamic Spinner Survey Under Pumping Conditions with Stop Counts and Analysis. Provide Four Hard Copies and One Electronic Copy.	1 EA	\$ 3,200.00 /EA	\$ 3,200.00
13	Provide Static Spinner Survey Under Non-Pumping Conditions with Stop Counts and Analysis. Provide Four Hard Copies and One Electronic Copy.	1 EA	\$ 3,200.00 /EA	\$ 3,200.00
14	Perform Final Disinfection by Adjusting pH to 5.0 Units and Achieving 100 mg/L Residual Chlorine.	1 EA	\$ 4,500.00 /EA	\$ 4,500.00
TOTAL BID - WELL 21:			\$ 168,150.00	

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Best Drilling and Pump, Inc.

Bid Schedule: Limited Rehabilitation - IRWD Well 22

Item	Description	Qty	Unit Price	Total Item Price
1	Mobilize and Demobilize Equipment, Materials, and Personnel Including Site Cleanup and Restoration.	1 EA	Lump Sum	\$ 26,000.00
2	Provide Insurance Coverage Naming IRWD and GEOSCIENCE as additionally Insured on the Liability Insurance Policy with at Least \$1 Million per Occurrence, \$2 Million Aggregate for General Liability, \$1 Million Auto.	1 EA	Lump Sum	\$ 2,500.00
3	Provide for Noise Control Measures (i.e., 16 ft Min. Enclosure Height, est. 120 ft Total Length as Shown in Figure 5).	1 EA	\$ 29,000.00 /EA	\$ 29,000.00
4	Provide Baker Tank, Rigid Discharge Piping, Recording Device, In-Situ Calibration of Flowmeter, Including Effluent Monitoring, Sampling and Water Quality Analysis in Compliance with OCSD Discharge Requirements.	1 EA	\$ 29,000.00 /EA	\$ 29,000.00
5	Brush 20-inch ID Mild Steel Well Casing and 16-inch ID Stainless Steel Louvered Well Screen using Weighted Nylon or Polypropylene Brush, Including Removal of Accumulated Materials by Bailing.	13 HR	\$ 350.00 /HR	\$ 4,550.00
6	Perform CITM Survey.	1 EA	\$ 6,750.00 /EA	\$ 6,750.00
7	Perform Verification Video Survey.	1 EA	\$ 1,600.00 /EA	\$ 1,600.00
8	Install and Remove Development/Test Pumping Equipment (Deep Well Lineshaft Turbine Test Pump).	1 EA	\$ 35,000.00 /EA	\$ 35,000.00
9	Provide Redevelopment by Pumping and Surging with Deep Well Lineshaft Turbine Test Pump.	24 HR	\$ 375.00 /HR	\$ 9,000.00
10	Provide Step-Drawdown Pumping Test	8 HR	\$ 375.00 /HR	\$ 3,000.00
11	Provide 24-hr Constant Rate Pumping Test	28 HR	\$ 375.00 /HR	\$ 10,500.00
12	Provide Dynamic Spinner Survey Under Pumping Conditions with Stop Counts and Analysis. Provide Four Hard Copies and One Electronic Copy.	1 EA	\$ 3,200.00 /EA	\$ 3,200.00
13	Provide Static Spinner Survey Under Non-Pumping Conditions with Stop Counts and Analysis. Provide Four Hard Copies and One Electronic Copy.	1 EA	\$ 3,200.00 /EA	\$ 3,200.00
14	Perform Final Disinfection by Adjusting pH to 5.0 Units and Achieving 100 mg/L Residual Chlorine.	1 EA	\$ 4,500.00 /EA	\$ 4,500.00
TOTAL BID - WELL 22:				\$ 167,800.00

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**Wells 21 and 22 Wellheads Project
PR 10286 (Oracle 1081)
Construction Summary**

Design/Build Contractor: F.T. Ziebarth
Design Engineer: RBF

		Contract Amount						Contract Days				Original Completion Date:
		Original Contract Amount: \$2,183,700.00						Original Days: 270				4/8/2012
Change Order	Description	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
1	Approved by Director of Engineering and Construction Approved on September 22, 2011 1.1 Addition of Anti-Siphon component to the Bladder Type Surge Tank	\$16,529.93	\$16,529.93	\$0.00	\$16,529.93	0.8%	\$2,200,229.93	0	0	0	270	4/8/2012
2	Approved by Board of Directors Approved on October XX, 2011 2.1 Well 21 and 22 Wellhead Rehabilitation	\$356,274.98	\$356,274.98	\$16,529.93	\$372,804.91	17%	\$2,556,504.91	0	0	0	270	4/8/2012

	% of Original Contract Amount
TOTAL CHANGE ORDERS	\$372,804.91 17%
REVISED CONTRACT AMOUNT	\$2,556,504.91

EXHIBIT "B"

Exhibit "C"

GEOSCIENCE

October 7, 2011

Ms. Patty Uematsu, P.E.
Principal Engineer, Capital Projects
Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, California 92780

**Subject: Scope of Work and Cost Estimate for Geohydrologic Services Related To
Rehabilitation of Wells 21 and 22**

Dear Patty,

As per your request, GEOSCIENCE Support Services, Inc. (GEOSCIENCE) has prepared the following scope of work and cost estimate to provide geohydrologic services related to the limited rehabilitation of Wells 21 and 22 that are located at 14232 DeBusk Lane and at 1251 Mitchell Avenue, respectively, in the City of Tustin, California. Technical specifications were prepared in September, 2011 and costs for rehabilitation and testing were obtained from Best (Best) Drilling & Pump, Inc. and from Bakersfield Well & Pump Company (BWP), with Best providing the lowest bid for the work. It is understood that Best will be performing the rehabilitation work under a change order to Ziebarth Construction and that work will begin at Well 22 during late October 2011, continuing on to Well 21 to complete the work as quickly as possible.

COST PROPOSAL

GEOSCIENCE's cost proposal to perform the above scope of work, is \$55,399 as summarized in the attached table. Contractor costs for well rehabilitation and testing are not included in this amount. Further, it is assumed that the cost for all water quality analyses will be performed by the District. Our cost estimate is to be considered a not-to-exceed amount unless otherwise authorized. GEOSCIENCE has enjoyed working for Irvine Ranch Water District in the past, and would very much like to work with you again on this important project.

If you have questions or need clarification, please do not hesitate to contact either myself or Diane Smith regarding this proposal, or for any other matter.

Sincerely,



Dennis E. Williams, Ph.D.
President
encl.
cc: Joe McGehee - IRWD

GEOSCIENCE SUPPORT SERVICES INCORPORATED

Ground Water Resources Development

P.O. Box 220, Claremont, CA 91711

T: 909-451-6650

SCOPE OF WORK FOR REHABILITATION OF WELLS 21 AND 22

TASK 1 PREPARATION OF TECHNICAL SPECIFICATIONS (COMPLETED SEPTEMBER 2011)

Task 1.1 Detailed Technical Specifications for Rehabilitation of Wells 21 and 22

GEOSCIENCE partially prepared detailed technical specifications for rehabilitation of Wells 21 and 22 under an existing purchase order, however, the value of the purchase order did not fully cover the number of hours that were required to complete the task. Therefore, the remaining cost to prepare the technical specifications is included in Attachment A.

These technical specifications included the following details:

- Well location, depth and dimensions,
- Production history and well performance,
- Permits to be acquired by the Contractor,
- Sound barrier and noise suppression requirements,
- Compliance with discharge requirements including in-situ certification of flowmeters and recording devices,
- Job conditions (e.g., runoff and waste management, power supply, lighting, water source, security, sanitation),
- Equipment and materials to be furnished by the Contractor,
- Records to be kept by Contractor,
- Mobilization, demobilization and site cleanup,
- Mechanical rehabilitation:
 - Vigorous brushing of well casing and screen,
 - Bailing of sediments from the well,
- Casing Inspection Thickness Measurement (CITM) tool,
- Verification video survey,
- Well redevelopment by pumping,
- Aquifer testing including step drawdown and constant rate pumping tests and recovery measurements,
- Dynamic and static spinner (flow meter) surveys,
- Post-rehabilitation "dual-cam" downhole video survey, and
- Final well disinfection and temporary capping.

Task 1.2 Attend Pre-Construction Meeting Prior to Mobilization

GEOSCIENCE will attend a pre-construction meeting, and will assist as needed with coordination and scheduling prior to Contractor's mobilization.

TASK 2 FIELD INSPECTION SERVICES – WELL 22

The following scope of work and associated costs have been developed assuming that only mechanical rehabilitation will be necessary. The cost for field inspection services during chemical treatment is included as an alternative item.

Task 2.1 Inspection during Sound Barrier and Baker Tank Installation

GEOSCIENCE will provide field inspection services during sound barrier installation and Baker tank installation to ensure that they comply with the Contractor's approved submittals.

Task 2.2 Inspection during Flowmeter Certification and Verification of Recording Device

To ensure compliance with the Orange County Sanitation District (OCSD) permit requirements, GEOSCIENCE will provide field inspection services during in-situ certification of flowmeters at each site, as well as verification of operation of the recording devices required to monitor flows to the sanitary sewer system.

Task 2.3 Cleaning of Well Casing and Screen by Brushing

In order to loosen and dislodge a maximum amount of clogging, encrusting and/or bio-fouling materials, GEOSCIENCE will provide field inspection services during the mechanical brushing procedure to ensure compliance with the technical specifications. The Contractor will be required to use a combination brush and swab and a cable tool rig with a walking beam. The brushing tool will be new, and will have stiff nylon or polypropylene bristles. Brushing of the casing and screen will be conducted in such a way as to provide powerful and effective removal of scale and biofilm, as well as to exert stresses within the gravel-filled annulus and near-well zone, without causing damage to the well. It should be recognized that louvered well screen is very strong and durable as compared to wire-wrapped products and so will withstand forceful brushing. Following brushing, all sediment and scale debris that has accumulated at the bottom of the well will be removed using a bailer as completely as is considered practical. Additionally, a tight-fitting bailer will also be used to "fan" the screened interval to pull in loosened sediment and ensure the filter pack is properly consolidated.

GEOSCIENCE will provide part-time inspection services during brushing and bailing of the well to monitor the progress of the task and to ensure that the proper methods and equipment are employed.

Task 2.4 Interim Video Inspection and Casing Inspection Thickness Measurement (CITM)

An interim dual-cam video survey will be performed throughout the entire depth of the well to assess its physical condition of the well following brushing that will be performed to remove bulk encrusting deposits. The Interim video survey will also be used to determine whether any additional encrustation may yet be removed with the brush, or if corrosion is found beneath the encrusting deposits. The video survey will have color capability with high resolution down view and side scan view. The video survey will be recorded in real-time DVD format with the depth reading superimposed in the picture.

Additionally, although the casing and screen material is 316L stainless steel, it is recommended that a Casing Inspection Thickness Measurement (CITM) survey is conducted throughout the entire well to record current wall thicknesses as a baseline to monitor metal loss over time.

Task 2.5 Redevelopment by Pumping and Surging

Final redevelopment by pumping is a particularly important part of the redevelopment process and requires close monitoring of water level and discharge data as well as sand content. The pumping water levels will remain above the top of the screen during this process to encourage laminar flow into the well. Turbulent flow, which potentially increases sand and entrained air, can occur if the water level is allowed to drop below the top of the screen. Tests for sand content and observation of air entrainment, as well as calculations of the specific drawdown will be performed at frequent intervals to measure advancement of the redevelopment process. When the specific drawdown is no longer improving, the well is considered fully redeveloped and the step drawdown and constant rate pumping tests will be performed.

Task 2.6 Step Drawdown and Constant Rate Pumping Tests

Once the final development is determined to be complete, pumping tests will be performed on the well to determine well and aquifer characteristics to verify that the District's pumping equipment is still sufficient for optimal production. GEOSCIENCE will provide full-time inspection during step drawdown testing and part time inspection during constant rate testing to ensure that quality data and information is being collected. Recovery measurements will be collected for a minimum of four hours or 90% recovery, whichever occurs first, following the constant rate pumping test. The recommended pumping tests are:

- Step Drawdown Pumping Tests - to determine specific capacity and well efficiency relationships that are necessary to calculate the optimal production rate, as well as the pump setting for the well. Typically three to four rates are selected for pumping, beginning at the lowest rate and working up to the highest.
- Constant Rate Interference Pumping Test & Recovery Test - time drawdown and recovery measurements will be made to determine aquifer parameters such as transmissivity, storativity, and leakage, which are necessary to estimate any long-term influences which might affect well performance. GEOSCIENCE recommends that the constant rate test be conducted for 24 hours with 4 hours of recovery measurements.

Toward the end of each constant rate test, ground water samples will be collected by GEOSCIENCE for delivery to the District's laboratory for the specified water quality analyses. General parameters will be measured in the field such as: electrical conductivity, pH, turbidity, TDS, ORP, dissolved oxygen and temperature. At the end of testing, GEOSCIENCE personnel will collect water quality samples as directed by the District; the samples will be delivered to the District's laboratory for analysis.

In addition, GEOSCIENCE will provide field inspection services during dynamic and static spinner surveys that will be conducted to develop flow profiles throughout the screened intervals of each well.

Task 2.7 Inspection of Post-Development Video Surveys, Final Disinfection and Capping of Well

Following removal of the test pumping equipment (at the end of rehabilitation and redevelopment of Well 110), and after bailing of the bottom of the well, GEOSCIENCE personnel will provide field inspection services during bailing of accumulated materials, final well disinfection and subsequent temporary capping of each well.

TASK 3 FIELD INSPECTION SERVICES – WELL 21

Please see the descriptions in Task 2 as applied to Well 22.

TASK 4 PREPARATION OF SUMMARY REPORT

Task 4.1 Preparation of Letter Reports

GEOSCIENCE will analyze all pumping test data and will provide a letter report for each well that contains recommendations for the optimum pump setting and discharge rate for the operation of the permanent well pump for each well. Using the aquifer test data, recommendations will be made for the ideal discharge rate and optimum pump depth setting, while taking any long-term impacts and potential

changes in regional water levels into consideration. Specific capacity and efficiency diagrams will be prepared for the well that will show projected drawdown at differing rates of discharge. The total dynamic head (minus the system head) will be calculated based on the design drawdown, static water level, and seasonal variations in regional ground water levels.

Each well rehabilitation summary report will incorporate all data, analysis, and results from the well rehabilitation work, including well cleaning, redevelopment, test pumping results and depth-specific water quality testing. The report will include the following:

- Chronology of activities,
- Pre-rehabilitation well condition,
- Description of methods used during well rehabilitation,
- Well rehabilitation results and post-rehabilitation well condition,
- Analysis and results of pump setting and discharge rate recommendations,
- Ground water quality (laboratory) analyses, and
- Other pertinent data, analytical results, recommendations and conclusions.

A draft copy of each report will be submitted to District upon completion for review and comment. All comments made by the District will be addressed and revisions will be made prior to producing the final copy. Two hard copies of each report will be provided, as well as an electronic (i.e., PDF) version.

**COST PROPOSAL TO PROVIDE GEOHYDROLOGIC SERVICES FOR
REHABILITATION OF IRVINE BANCH WATER DISTRICT WELLS 21 AND 22**

ATTACHMENT A

Task	Description	GEO SCIENCE Support Services, Inc.							Labor	Reimbursable Expenses ¹	Total Cost	
		Principal Hydrologist \$280	Senior Geohydrologist \$380	Project Geohydrologist \$350	Senior Staff Geohydrologist \$125	Staff Geohydrologist \$115	Technical Illustrator \$100	Clerical \$85				
1.0 PRELIMINARY WELL ASSESSMENT AND DEVELOPMENT OF TECHNICAL SPECIFICATIONS												
1.1	Develop Detailed Technical Specifications for Limited Rehabilitation of Wells 21 and 22 (Partially Completed Under Prior Purchase Order)	1	12	6				2	1	\$ 3,625	\$ 150	\$ 3,775
1.2	Bid Support and Coordination with Contractor Prior to Mobilization (Includes Attendance at Pre-Construction Meeting)		6							\$ 1,080	\$ 125	\$ 1,205
	Subtotal - Task 1									\$ 4,705	\$ 275	\$ 4,980
2.0 FIELD INSPECTION SERVICES - WELL 22												
2.1	Inspection of Installation of Sound Barriers and Baker Tanks		8						8	\$ 2,360	\$ 250	\$ 2,610
2.2	Inspection of Certification of Flowmeter and Recording Device		8							\$ 1,440	\$ 125	\$ 1,565
2.3	Inspection During Cleaning of Well Casing and Screen by Brushing, Followed by Bailing		1						16	\$ 2,020	\$ 250	\$ 2,270
2.4	Inspection During Interim Color Video Survey and CFM Survey		8							\$ 1,440	\$ 125	\$ 1,565
2.5	Inspection During Redevelopment by Pumping and Surging	1	8						16	\$ 3,560	\$ 375	\$ 3,935
2.6	Inspection During Aquifer Pumping Tests (Includes Step Drawdown and 24-hour Constant Rate Pumping Tests), Spinner Survey, Collection of Title 22 Water Quality Samples and Delivery to District Laboratory, Including Rental of Field Monitoring Equipment	1	12						28	\$ 5,660	\$ 550	\$ 6,210
2.7	Inspection During Bailing of Accumulated Sediments, Final Disinfection and Temporary Capping of Well 22		2						12	\$ 1,740	\$ 250	\$ 1,990
	Subtotal - Task 2									\$ 18,220	\$ 1,925	\$ 20,145
3.0 FIELD INSPECTION SERVICES - WELL 21												
3.1	Inspection of Installation of Sound Barriers and Baker Tanks		8						8	\$ 2,360	\$ 250	\$ 2,610
3.2	Inspection of Certification of Flowmeter and Recording Device		8							\$ 1,440	\$ 125	\$ 1,565
3.3	Inspection During Cleaning of Well Casing and Screen by Brushing, Followed by Bailing								16	\$ 1,840	\$ 250	\$ 2,090
3.4	Inspection During Interim Color Video Survey and CFM Survey		8							\$ 1,440	\$ 125	\$ 1,565
3.5	Inspection During Redevelopment by Pumping and Surging	1	8						16	\$ 3,560	\$ 375	\$ 3,935
3.6	Inspection During Aquifer Pumping Tests (Includes Step Drawdown and 24-hour Constant Rate Pumping Tests), Spinner Survey, Collection of Title 22 Water Quality Samples and Delivery to District Laboratory, Including Rental of Field Monitoring Equipment	1	12						28	\$ 5,660	\$ 550	\$ 6,210
3.7	Inspection During Bailing of Accumulated Sediments, Final Disinfection and Temporary Capping of Well 21		2						12	\$ 1,740	\$ 250	\$ 1,990
	Subtotal - Task 3									\$ 18,040	\$ 1,925	\$ 19,965
4.0 PREPARATION OF SUMMARY REPORT												
4.1	Prepare Letter Report Summarizing the Results of the Well Rehabilitation, Including Water Quality Results, Analysis of Aquifer Tests, Findings, and Recommendations (Assumes 2 Reports)	1	16	16	4	24		8	4	\$ 9,960	\$ 350	\$ 10,310
	Subtotal - Task 4									\$ 9,960	\$ 350	\$ 10,310
TOTAL HOURS AND COSTS - Tasks 1 to 4		6	177	22	4	104		10	9	\$ 90,280	\$ 4,374	\$ 94,654

Notes: ¹ Reimbursable expenses include report reproduction, mailing charges, field equipment, and mileage. Pump contractor fees for rehabilitation work and Title 22 water quality analyses are not included.

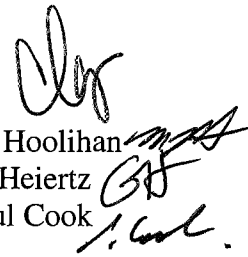
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October 24, 2011

Prepared by: M. Hoolihan

Submitted by: G. Heiertz

Approved by: Paul Cook



ACTION CALENDAR

WELLS 21 AND 22 DESALTER PROJECT IMPACT ANALYSIS AND MITIGATION PLAN

SUMMARY:

The Wells 21 and 22 Mitigated Negative Declaration (MND), completed in 2009, identified the potential for drawdown impact to some of the City of Tustin's existing wells. While processing the MND, IRWD agreed to complete an impact analysis study to quantify potential impacts and identify a mitigation plan as necessary. Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement with GEOSCIENCE in the amount of \$99,801 for preparation of the Wells 21 and 22 Desalter Project Impact Analysis and Mitigation Plan.

BACKGROUND:

IRWD is in the process of constructing the Well 21 and 22 Desalter Project. This project involves the rehabilitation and equipping of two existing wells and constructing a reverse osmosis treatment plant in the south Tustin area. The Mitigated Negative Declaration (MND) and the Notice of Determination was completed in February 2009. These documents identified some potential drawdown impacts to groundwater pumping by the City of Tustin. These potential impacts were quantified by Orange County Water District (OCWD) through a number of model runs used to simulate various groundwater basin conditions. IRWD agreed to complete a study that would analyze these potential impacts and develop a mitigation plan as necessary.

The purpose of the Wells 21 and 22 Desalter Project Impact Analysis and Mitigation Plan is to document existing and historical groundwater conditions in the OCWD main basin area that may be influenced by Wells 21 and 22, analyze the potential impacts associated with the project, and make a recommendation to mitigate these impacts as necessary.

Consultant Selection Process:

In August 2011, staff solicited proposals for engineering services for preparation of the Wells 21 and 22 Desalter Project Impact Analysis and Mitigation Plan from: GEOSCIENCE, Psomas, MWH, CDM and AKM Consulting. MWH and CDM declined to submit a proposal. In September 2010, two proposals were received: one from Psomas and a second from a combined team of GEOSCIENCE and AKM.

Staff reviewed both proposals and included staff from the City of Tustin and OCWD to develop the final recommendation. Both proposals showed a thorough understanding of the project. The GEOSCIENCE proposed analyzing all 13 of the City of Tustin's Wells, whereas Psomas proposed only analyzing 7 of the 13 wells. The selection team requested GEOSCIENCE resubmit the cost proposal for the purposed of a fair comparison.

The selection team recommends GEOSCIENCE be selected to complete this study based on their experience and scope of work. The consultant selection matrix is attached as Exhibit "A". The selection team found the GEOSCIENCE team to be very well qualified with more direct experience with similar projects. The proposed team has successfully completed a number of groundwater studies for IRWD, OCWD and the City of Tustin over the past ten years. In addition AKM, who teamed with GEOSCIENCE to assist in engineering analysis, just completed a hydraulic analysis of Tustin's entire water system. GEOSCIENCE demonstrated a solid understanding of the project and presented a comprehensive scope of work. GEOSCIENCE scope of work is attached as Exhibit "B".

FISCAL IMPACTS:

The Wells 21 and 22 Desalter Project Impact Analysis and Mitigation Plan will be funded from Wells 21 & 22 Wellhead Pipeline & Treatment Plant, Project 10286 (1081), which was included in the FY 2011-12 Capital Budget. Existing funds are available in this project.

ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15262 which provides exemption for planning studies.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on October 18, 2011.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE AN ENGINEERING SERVICES AGREEMENT WITH GEOSCIENCE IN THE AMOUNT OF \$99,801 FOR PREPARATION OF THE WELLS 21 AND 22 GROUNDWATER TREATMENT PROJECT IMPACT ANALYSIS AND MITIGATION PLAN, PROJECT 10286 (1081).

LIST OF EXHIBITS:

Exhibit "A" – Consultant Selection Matrix
Exhibit "B" – GEOSCIENCE Scope of Work

Exhibit A
Wells 21 and 22
Project Impact Analysis And Mitigation Plan

	Weights	Geoscience, Inc.	Paomas
TECHNICAL APPROACH (60%)			
Project Understanding	25%	2	1
Scope of Work	25%	1	2
Project Team Organization and Qualifications	25%	1	2
Related Experience & References	15%	1	2
Project Schedule	10%	1	2
Weighted Score (Technical Approach)		1.25	1.75
EXPERIENCE (40%)			
*Principal	15%	Dennis E. Williams	John Thorton
		1	2
*Project Manager	20%	Russell J. Kyle	Michael Donovan
		2	1
*Project Engineer: Hydrogeology	20%	Dennis E. Williams, Diane M. Smith	Michael Donovan
		1	2
*Project Engineer: Engineering	20%	Zeki Kayiran, Diann Pay	Dennis Phinney
		1	2
*Groundwater Modeling	20%	Johnson Yeh	Kimberly Alexander
		1	2
*Local Office	5%		
Weighted Score (Experience)		1.15	1.70
COMBINED WEIGHTED SCORE	100%	1.21	1.73
COSTS			
Multiplier			
Task 1: Collect Existing Information		\$2,550	\$5,759
Task 2: Review and Analysis of Current Operating Conditions		\$7,078	\$13,188
Task 3: Review OCWD Modeling Results		\$1,598	\$3,824
Task 4: Analysis of Impacts Associated with the Project		\$30,570	\$15,212
Task 5: Analysis of Mitigation Measures		\$14,378	\$13,375
Task 6: Final Recommendations		\$11,199	\$11,991
Task 7: Deliverables		\$7,512	\$8,565
Subtotal		\$74,879	\$89,714
Optional Task - Complete analysis for all Tustin wells		\$24,922	\$0
Total Amount		\$99,801	\$89,714
MANHOURS (includes optional task)			
Task 1: Collect Existing Information		19	34
Task 2: Review and Analysis of Current Operating Conditions		48	72
Task 3: Review OCWD Modeling Results		8	22
Task 4: Analysis of Impacts Associated with the Project		212	90
Task 5: Analysis of Mitigation Measures		214	72
Task 6: Final Recommendations		141	72
Task 7: Deliverables		36	36
Total Hours		678	398
Average Design \$/hour		\$147	\$175
Professional Liability Insurance		x	x
General Liability Insurance		x	x
FORCED RANKINGS:			
1 - BEST	4 - WEAK		
2 - GOOD	5 - WEAKEST		
3 - AVERAGE			

SECTION 5 – SCOPE OF SERVICES

Effective control of a project's scope, schedule and budget is fundamental to achieving a quality project. GEOSCIENCE knows that understanding and managing the interrelationship of these three elements largely determines the project's success with respect to budget. Scope creep increases cost and produces delay. Delays increase costs and cause critical milestones to be missed. GEOSCIENCE understands these issues and has demonstrated ability to organize tasks, manage the level of effort, develop and monitor a critical-path schedule, and compare actual costs to planned costs at key milestones; by using these organizational techniques as well as good communication with the client, GEOSCIENCE delivers a quality project on time and within budget.

1.0 COLLECT EXISTING INFORMATION

The GEOSCIENCE/AKM project team will collect all pertinent data and information regarding the details of construction, equipping, modification, and operation of all thirteen City of Tustin wells that are anticipated to be impacted by the Groundwater Treatment Project (i.e., 17th Street Wells 1 and 2, Beneta, Colombus-Tustin, Main Street Wells 3 and 4, Newport, Pasadena, Prospect, Tustin, Vandenberg, Walnut, and Yorba), and IRWD Wells 21 and 22. This will, at a minimum, include the following:

- ▼ Well construction details;
- ▼ Well maintenance records;
- ▼ Well pump, motor, column pipe, and power plant specifications;
- ▼ Certified pump curves for each well;
- ▼ Pump setting;
- ▼ Well efficiency test results (i.e., SCE plant efficiency tests);
- ▼ Current and historical well operational schedule;
- ▼ SCADA data;
- ▼ Power billing records; and
- ▼ Historical static and pumping groundwater levels.

A portion of this data is already stored within GEOSCIENCE's in-house database.

2.0 REVIEW AND ANALYSIS OF CURRENT OPERATING CONDITIONS

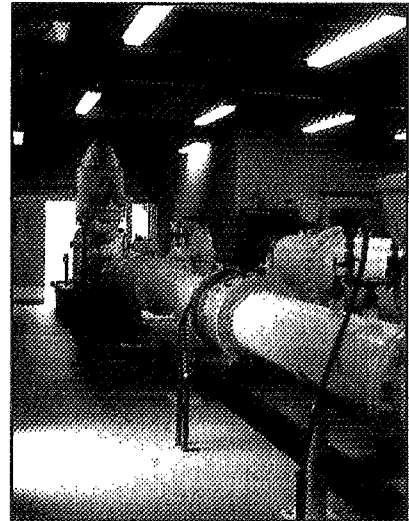
Data collected under Task 1 will be reviewed by the project team with particular emphasis on current and historical well production, groundwater levels, and trends in operational efficiency (both pump and well efficiency). This data will be cataloged for use during subsequent tasks. As necessary, GEOSCIENCE will conduct interviews with City of Tustin staff regarding operation of the wells, and conduct site visits. Site visits will be conducted as needed.

3.0 REVIEW OCWD MODELING RESULTS

In March 2011, OCWD prepared a technical memorandum summarizing the results of groundwater model runs simulating the effects of pumping Wells 21 and 22 at 5,600 acre-ft per year above baseline. The findings were found to be valid and consistent with the Cooperative Agreement and independently confirmed by GEOSCIENCE in an April 2011 technical memorandum. As such, it is not anticipated that additional modeling runs will be necessary. However, GEOSCIENCE will revisit the OCWD model results and, as necessary, provide recommendations as to additional runs.

4.0 ANALYSIS AND DETERMINATION OF IMPACTS

Based on the anticipated additional drawdown predicted by the OCWD modeling, GEOSCIENCE will identify potential impacts to the thirteen City of Tustin wells from operation of the Wells 21 and 22 Groundwater Treatment Project. In the simplest terms, additional drawdown in each well will translate to loss of instantaneous production capability, and reduced annual production. Depending on the degree of additional drawdown and operational schedule of each well, it may be possible to recover this loss of production through additional pumping, resulting in increased energy and pump maintenance costs to the City of Tustin—a best case scenario. The project team will conduct an analysis of each well utilizing the available pump curves/efficiency test results and estimate change in capacity, efficiency, and energy requirements assuming that the existing pumps and motors can be used. If the estimated drop in pumping water levels does not provide sufficient submergence (i.e., net positive suction head) it will be necessary to consider the impact of lowering pumps. If the additional drawdown is significant enough to require larger motors and/or new pumps, the project team will evaluate impact from sizing new motors and pumps, and assessing the suitability of the existing electrical service and equipment. Should the additional drawdown have the potential to expose the well screen (resulting in cascading water), it may not be feasible to make up lost production through modification of the pumping system. In such cases, lost production may need to be replaced by other, less impacted production wells, entirely new wells, or direct delivery of water from IRWD.



The results of the impact analyses will be clearly summarized in a technical memorandum. GEOSCIENCE will submit four (4) bound copies and an electronic (i.e., PDF) copy of a 100% Draft technical memorandum and present the results to the Joint committee (see Task 7). Comments to the Draft document will be addressed and incorporated and ten (10) bound copies of a 100% Final technical memorandum will be submitted along with an electronic (i.e., PDF) copy on CD.

5.0 ANALYSIS AND DETERMINATION OF MITIGATION MEASURES

Once the potential impacts for each well have been identified and evaluated, appropriate mitigation measures will be developed and assessed. Mitigation measures may include, but not be limited to the following:

- ▼ Modification of well production schedules;
- ▼ Redistribution of well production within the wellfield;
- ▼ Compensation for increased energy costs;
- ▼ Lowering of pumps and/or pump bowls;
- ▼ Modification of well pumps, motors, and electrical service equipment;
- ▼ Rehabilitation of inefficient wells to increase production;
- ▼ Installation of replacement wells; and
- ▼ Development of alternative water supply sources.

Each of the mitigation measures will be evaluated and prioritized with regard to feasibility and cost for implementation. To that end, the project team will calculate the increased electrical costs, and develop

cost estimates for physical modifications to the wells and/or pumping systems, well rehabilitation, installation of replacement well(s), and development of alternative water supplies. Modifications to the wells and operational schedules must be evaluated on a well-by-well basis while considering the overall operational parameters of the entire wellfield. Should installation of replacement well(s) become a viable alternative, we will develop cost estimates for acquiring property, drilling, construction and equipping of the well, and electrical consumption for comparison with the current conditions. The project team will evaluate the option of delivery of water from the Wells 21 and 22 Project, or another alternative into the City of Tustin’s hydraulic model and identify the improvements needed to deliver this source into the system. Cost estimates will be developed for implementing the required improvements and the operational cost of delivering water to the City of Tustin’s system.

6.0 FINAL RECOMMENDATIONS

A comprehensive summary report will be prepared and submitted at the 90% Draft, 100% Draft, and 100% Final report stages. The report will include, at a minimum, the following information:

- ▼ Summary and brief review of collected data and information;
- ▼ Review and validation of the OCWD modeling runs;
- ▼ Identification of potential impacts for each well;
- ▼ Identification of possible mitigation measures;
- ▼ Evaluation of cost and feasibility of mitigation measures;
- ▼ Prioritization of mitigation alternatives; and
- ▼ Recommendations regarding implementation of mitigation.

GEOSCIENCE will submit four (4) bound copies and an electronic (i.e., PDF) copy of the 90% Draft report and present the results to the Joint committee (see Task 7). Comments to the 90% Draft document will be addressed and incorporated and four (4) bound copies of a Final Draft report will be submitted along with an electronic (i.e., PDF) copy on CD. Upon incorporation of comments to the Final Draft report, ten (10) hard copies of the 100% Final report will be submitted to IRWD in three-ring binder format along with a CD containing an electronic copy in PDF format. A separate CD will be provided that will include all documents, data, information, drawings, graphics, etc., in their native format.

7.0 MEETING ATTENDANCE

The GEOSCIENCE / AKM project team will attend a project kick-off meeting with the Joint Committee. The primary objective of the project kick-off meeting will be to meet face-to-face with key project individuals from to make sure that everyone understands the intent, objectives, tasks, budgets, schedules, milestones, and deliverables of the project. The kick-off meeting also identifies the individuals who are responsible for implementing each part of the work and provides a forum for discussion of critical path tasks, such data collection, and how those tasks can be efficiently expedited. Prior to the meeting, GEOSCIENCE will prepare an agenda and task-by-task project schedule indicating tasks, project milestones, and deliverables.

Additionally, GEOSCIENCE will prepare for and attend project meetings with the Joint Committee at the 100% Draft submittal of the impact analysis technical memorandum, and the 90% Draft submittal of the final report. At each of these meetings, GEOSCIENCE will present a summary of analyses and results in PowerPoint format.

Revised Cost Proposal for Professional Services Related to IRWD Wells 21 and 22 Project Impact Analysis and Mitigation Plan

Task Description		GEOSCIENCE SUPPORT SERVICES, INC.						AKM CONSULTING ENGINEERS						TOTAL COST			
		Principal Hydrologist	Senior Geohydrologist / Lead Modeler	Project Geohydrologist	Staff Geohydrologist	Technical Illustrator	Clerical	Labor	Reimbursable Expenses ¹	GSSI Total Cost	Principal Engineer	Project Engineer	Staff Engineer		Labor	Reimbursable Expenses / Permit Fees ¹	AKM Total Cost
Hourly Rate:		\$260	\$170	\$140	\$115	\$100	\$75				\$198	\$170	\$115				
1.0	COLLECT EXISTING INFORMATION (13 WELLS)																
1.1	Acquire and Review Available Data and Documents for 13 City of Tustin Wells	1	4		12			\$ 2,320	\$ -	\$ 2,320			2	\$ 230	\$ -	\$ 230	\$ 2,550
<i>Subtotal</i>								\$ 2,320	\$ -	\$ 2,320				\$ 230	\$ -	\$ 230	\$ 2,550
2.0	REVIEW AND ANALYSIS OF CURRENT OPERATING CONDITIONS (13 WELLS)																
2.1	Review, Analyze, and Document Data Collected during Task 1 (Including but not Limited to Current Operating Conditions for 13 City of Tustin Wells: Historical Production Capability and Volumes, Historical Static and Pumping Groundwater Levels, Well Construction Details, Well Maintenance Records -- Includes Debriefing City Staff and Site Visits, as Necessary)	2	8		24			\$ 4,640	\$ -	\$ 4,640	2	12		\$ 2,436	\$ -	\$ 2,436	\$ 7,076
<i>Subtotal</i>								\$ 4,640	\$ -	\$ 4,640				\$ 2,436	\$ -	\$ 2,436	\$ 7,076
3.0	REVIEW OCWD MODELING RESULTS (13 WELLS)																
3.1	Review and Validate the Results of OCWD Modeling Associated with Drawdown Analysis for Wells 21 and 22	2	4					\$ 1,200	\$ -	\$ 1,200	2			\$ 396	\$ -	\$ 396	\$ 1,596
<i>Subtotal</i>								\$ 1,200	\$ -	\$ 1,200				\$ 396	\$ -	\$ 396	\$ 1,596
4.0	ANALYSIS AND DETERMINATION OF IMPACTS ASSOCIATED WITH THE PROJECT (13 WELLS)																
4.1	Analyze the Results of the OCWD Modeling and Determine Potential Impacts to 13 City of Tustin Wells	2	18	18	32			\$ 9,780	\$ -	\$ 9,780	6	26		\$ 5,608	\$ -	\$ 5,608	\$ 15,388
4.2	Prepare Draft Technical Memorandum Presenting the Results of the Impact Analysis and Quantifying Potential Impacts to City of Tustin Wells (assumes submittal of 4 bound hard copies and an electronic [i.e., PDF] copy)	1	12	16	20	16	1	\$ 8,515	\$ 100	\$ 8,615	4	12		\$ 2,832	\$ -	\$ 2,832	\$ 11,447
4.3	Incorporate Comments from City of Tustin, IRWD, and OCWD and Prepare Final Technical Memorandum (assumes submittal of 10 bound hard copies and one electronic copy on CD)	1	4	4	8	8	1	\$ 3,295	\$ 100	\$ 3,395		2		\$ 340	\$ -	\$ 340	\$ 3,735
<i>Subtotal</i>								\$ 21,590	\$ 200	\$ 21,790				\$ 8,780	\$ -	\$ 8,780	\$ 30,570
5.0	ANALYSIS AND DETERMINATION OF MITIGATION MEASURES (6 WELLS)																
5.1	Determine Compensation for Increased Electrical Costs (6 wells)	1	8					\$ 1,620	\$ -	\$ 1,620	1			\$ 198	\$ -	\$ 198	\$ 1,818
5.2	Determine and Evaluate Physical Modifications to City of Tustin Wells to Maintain Impacted Wells in Service, Including Cost Estimates (6 wells)	1	4	8	6			\$ 2,750	\$ -	\$ 2,750	2		4	\$ 856	\$ -	\$ 856	\$ 3,606
5.3	Determine and Evaluate Physical Modifications to City of Tustin Wells to Offset Loss of Production in Impacted Wells, Including Cost Estimates (6 wells)	1	4	6	6			\$ 2,470	\$ -	\$ 2,470	2		4	\$ 856	\$ -	\$ 856	\$ 3,326
5.4	Determine and Evaluate Replacement Well Alternatives to Offset Loss of Production in Impacted Wells, Including Cost Estimates (6 wells)		1	6				\$ 1,010	\$ -	\$ 1,010	1	4		\$ 878	\$ -	\$ 878	\$ 1,888
5.5	Determine and Evaluate Alternative Water Source to Tustin to Offset Loss of Production from Impacted Wells, Including Cost Estimates (6 wells)		2					\$ 340	\$ -	\$ 340	1	8	16	\$ 3,398	\$ -	\$ 3,398	\$ 3,738
<i>Subtotal</i>								\$ 8,190	\$ -	\$ 8,190				\$ 6,186	\$ -	\$ 6,186	\$ 14,376

Revised Cost Proposal for Professional Services Related to IRWD Wells 21 and 22 Project Impact Analysis and Mitigation Plan

Task Description	GEOSCIENCE SUPPORT SERVICES, INC.										AKM CONSULTING ENGINEERS					TOTAL COST	
	Hourly Rate:	Principal Hydrologist	Senior Geohydrologist / Lead Modeler	Project Geohydrologist	Staff Geohydrologist	Technical Illustrator	Clerical	Labor	Reimbursable Expenses ¹	GSSI Total Cost	Principal Engineer	Project Engineer	Staff Engineer	Labor	Reimbursable Expenses / Permit Fees ²		AKM Total Cost
		\$260	\$170	\$140	\$115	\$100	\$75				\$198	\$170	\$115				
6.0 FINAL RECOMMENDATIONS (6 WELLS)																	
6.1 Prepare 90% Draft Report Presenting the Prioritized Mitigation Alternatives, Including Cost Estimates for Implementation, and Recommendations as to Favorable Mitigation Measures (assumes submittal of 4 bound hard copies and an electronic [i.e., PDF] copy)	1	12		20	8	1	\$ 5,475	\$ 100	\$ 5,575	2	4		\$ 1,076	\$ -	\$ 1,076	\$ 6,651	
6.2 Incorporate Comments from City of Tustin, IRWD, and OCWD and Prepare 100% Draft Final Report (assumes submittal of 4 bound hard copies and an electronic [i.e., PDF] copy)	1	4	4	4	4	1	\$ 2,435	\$ 100	\$ 2,535	1	2		\$ 538	\$ -	\$ 538	\$ 3,073	
6.3 Incorporate Comments from City of Tustin, IRWD, and OCWD and Prepare Final Report (assumes submittal of 10 bound hard copies and electronic [i.e., PDF] copies on CD and submittal of a "data" CD containing all copies of word, excel, database, CAD, GIS, and graphics files in native format)	1	2		2	2	1	\$ 1,105	\$ 200	\$ 1,305		1		\$ 170	\$ -	\$ 170	\$ 1,475	
<i>Subtotal</i>								\$ 9,015	\$ 400	\$ 9,415				\$ 1,784	\$ -	\$ 1,784	\$ 11,199
7.0 ATTENDANCE AT MEETINGS																	
7.1 Prepare for and Attend Project Kick-Off Meeting	3	4					\$ 1,460	\$ 50	\$ 1,510	3			\$ 594	\$ -	\$ 594	\$ 2,104	
7.2 Prepare for and Attend Project Meetings upon Submittal of Draft TM on Drawdown Impacts and Draft TM on Final Report. PowerPoint Presentations will be Prepared for Each Meeting (assumes two [2] meetings)	8	12					\$ 4,120	\$ 100	\$ 4,220	6			\$ 1,188	\$ -	\$ 1,188	\$ 5,408	
<i>Subtotal</i>								\$ 5,580	\$ 150	\$ 5,730				\$ 1,782	\$ -	\$ 1,782	\$ 7,512
TOTAL HOURS AND COST:	26	103	62	134	38	5	\$ 52,535	\$ 750	\$ 53,285	33	71	26	\$ 21,594	\$ -	\$ 21,594	\$ 74,879	

5.0 OPTIONAL: ANALYSIS AND DETERMINATION OF MITIGATION MEASURES (7 ADDITIONAL WELLS)																	
5.1 Determine Compensation for Increased Electrical Costs		8					\$ 1,360	\$ -	\$ 1,360				\$ -	\$ -	\$ -	\$ 1,360	
5.2 Determine and Evaluate Physical Modifications to City of Tustin Wells to Maintain Impacted Wells in Service, Including Cost Estimates		4	8	10			\$ 2,950	\$ -	\$ 2,950	2		4	\$ 856	\$ -	\$ 856	\$ 3,806	
5.3 Determine and Evaluate Physical Modifications to City of Tustin Wells to Offset Loss of Production in Impacted Wells, Including Cost Estimates		4	10	10			\$ 3,230	\$ -	\$ 3,230	2		4	\$ 856	\$ -	\$ 856	\$ 4,086	
5.4 Determine and Evaluate Replacement Well Alternatives to Offset Loss of Production in Impacted Wells, Including Cost Estimates		1	10				\$ 1,570	\$ -	\$ 1,570	1	4		\$ 878	\$ -	\$ 878	\$ 2,448	
5.5 Determine and Evaluate Alternative Water Source to Tustin to Offset Loss of Production from Impacted Wells, Including Cost Estimates		2					\$ 340	\$ -	\$ 340	1	8	24	\$ 4,318	\$ -	\$ 4,318	\$ 4,658	
<i>Subtotal</i>								\$ 9,450	\$ -	\$ 9,450				\$ 6,908	\$ -	\$ 6,908	\$ 16,358
6.0 OPTIONAL: FINAL RECOMMENDATIONS (7 ADDITIONAL WELLS)																	
6.1 Prepare 90% Draft Report Presenting the Prioritized Mitigation Alternatives, Including Cost Estimates for Implementation, and Recommendations as to Favorable Mitigation Measures (assumes submittal of 4 bound hard copies and an electronic [i.e., PDF] copy)	1	12		20	4		\$ 5,000	\$ -	\$ 5,000	2	4		\$ 1,076	\$ -	\$ 1,076	\$ 6,076	
6.2 Incorporate Comments from City of Tustin, IRWD, and OCWD and Prepare 100% Draft Final Report (assumes submittal of 4 bound hard copies and an electronic [i.e., PDF] copy)				4	4	1	\$ 935	\$ -	\$ 935	1	2		\$ 538	\$ -	\$ 538	\$ 1,473	
6.3 Incorporate Comments from City of Tustin, IRWD, and OCWD and Prepare Final Report (assumes submittal of 10 bound hard copies and electronic [i.e., PDF] copies on CD and submittal of a "data" CD containing all copies of word, excel, database, CAD, GIS, and graphics files in native format)		2		2	2	1	\$ 845	\$ -	\$ 845		1		\$ 170	\$ -	\$ 170	\$ 1,015	

Revised Cost Proposal for Professional Services Related to IRWD Wells 21 and 22 Project Impact Analysis and Mitigation Plan

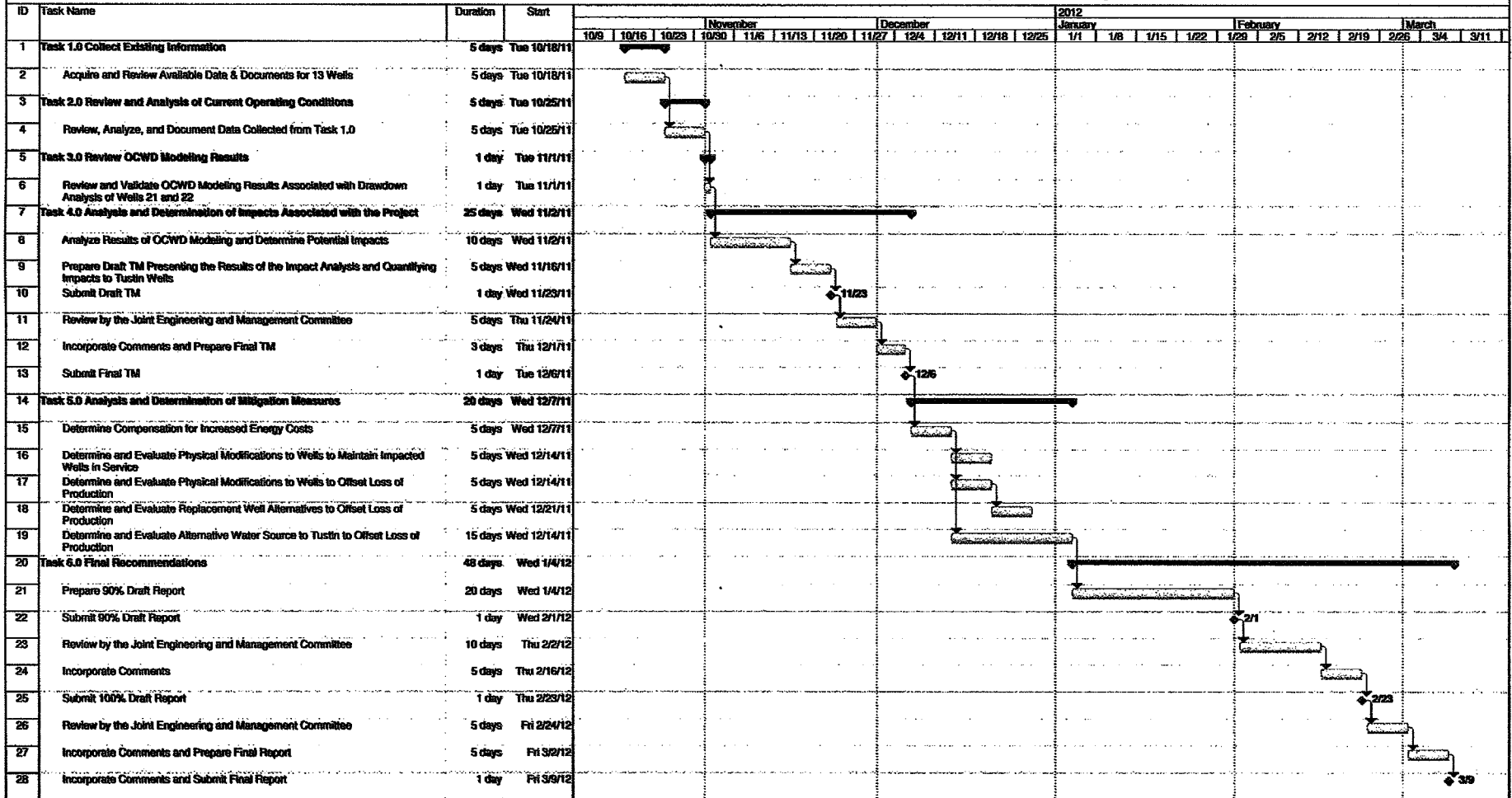
Task Description	GEOSCIENCE SUPPORT SERVICES, INC.							AKM CONSULTING ENGINEERS					TOTAL COST		
	Principal Hydrologist	Senior Geohydrologist / Lead Modeler	Project Geohydrologist	Staff Geohydrologist	Technical Illustrator	Clerical	Labor	Reimbursable Expenses ¹	GSSI Total Cost	Principal Engineer	Project Engineer	Staff Engineer		Labor	Reimbursable Expenses / Permit Fees ²
<i>Hourly Rate:</i>	\$260	\$170	\$140	\$115	\$100	\$75				\$186	\$170	\$115			
<i>Subtotal</i>							\$ 6,780	\$ -	\$ 6,780				\$ 1,784	\$ -	\$ 1,784
TOTAL HOURS AND COST (OPTIONAL ITEMS):	1	33	28	46	10	2	\$ 16,230	\$ -	\$ 16,230	9	19	32	\$ 8,692	\$ -	\$ 8,692
TOTAL HOURS AND COST (INCLUDING OPTIONAL ITEMS):	27	136	90	180	48	7	\$ 68,765	\$ 750	\$ 69,515	42	90	58	\$ 30,286	\$ -	\$ 30,286

Notes:

- ¹ Reimbursable expenses include report reproduction, mailing charges, field equipment, field expenses and mileage.
- ² Above hourly rates are based on a multiplier of 2.65 for both GEOSCIENCE and AKM Consulting Engineers.
- ³ There is 0% markup on Subconsultant (AKM) fee.

IRVINE RANCH WATER DISTRICT

Professional Services Related to IRWD Wells 21 and 22 Project Impact Analysis and Mitigation Plan



B-7

Date: Thu 9/29/11

Task		Milestone		Rolled Up Split		External Tasks		Deadline	
Split		Summary		Rolled Up Milestone		Project Summary			
Progress		Rolled Up Task		Rolled Up Progress		External Milestone			

October 24, 2011
Prepared by: C. Spangenberg/S. Malloy
Submitted by: K. Burton
Approved by: Paul Cook

ACTION CALENDAR

MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION AND FLOOD PROTECTION IMPROVEMENTS CONTRACT CHANGE ORDER AND EXPENDITURE AUTHORIZATION

SUMMARY:

The Michelson Water Recycling Plant (MWRP) Phase 2 Expansion and Flood Protection Improvements are currently being constructed by J. R. Filanc Construction Company. Staff recommends that the Board:

- Approve Construction Change Order (CCO) No. 49 to install indicator piles for the proposed biosolids facilities, in the amount of \$318,886.24 for the MWRP Phase 2 Expansion Project; and
- Approve an Expenditure Authorization in the amount of \$336,000 for the MWRP Biosolids and Energy Recovery Facilities Project.

BACKGROUND:

Construction of the MWRP Phase 2 Expansion and Flood Protection Improvements project was awarded to Filanc Construction in July 2009 in the amount of \$87,479,450. This project will expand the recycled water production capacity of MWRP to 28 million gallons per day and protect MWRP from flooding of San Diego Creek. A project overview diagram of the MWRP Phase 2 Expansion is attached as Exhibit "A".

Change Order No. 49:

The MWRP Biosolids and Energy Recovery Facilities Project is currently in design by Black & Veatch. CCO No. 49 will allow installation of 24 indicator piles by Filanc while their pile driving subcontractor is on site completing the MWRP Phase 2 Expansion and Flood Protection work. The purpose of driving the indicator piles is to provide additional information for Black and Veatch to more accurately estimate the production pile lengths that will support the foundations under the proposed biosolids facilities, including the digester complex, the solids handling building, and the related facilities.

At the August 22, 2011 Board meeting, the Board approved a variance to Black & Veatch to design the indicator piles, observe the pile driving, and analyze the data obtained. At that time staff discussed the plan to negotiate a change order with Filanc to implement the indicator pile program. Fabrication and installation of the indicator piles before the biosolids project design is completed will reduce the risk of soil uncertainty when the contractors prepare bids for the biosolids project. Therefore, IRWD should benefit from lower bid prices for the biosolids project. The indicator piles are scheduled to be installed in January and February 2012.

Action Calendar: Michelson Water Recycling Plant Phase 2 Expansion and Flood Protection Improvements – Contract Change Order and Expenditure Authorization

October 24, 2011

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A table showing the lengths of the indicator piles is attached as Exhibit “B” and a graphic showing the proposed locations of the indicator piles is attached as Exhibit “C.” CCO No. 49 with Filanc is attached as Exhibit “D” in the negotiated amount of \$318,886.24. Time is of the essence as it takes six to eight weeks to fabricate piles, so CCO No. 49 must be approved in October to meet the pile installation window and provide information that may be incorporated into the biosolids final design package. The MWRP Phase 2 Expansion contract change order summary is attached as Exhibit “E”.

FISCAL IMPACTS:

The MWRP Biosolids and Energy Recovery Facilities, Project 20847 (1617) is included in the FY 2011-12 Capital Budget. An Expenditure Authorization is requested as shown in the table below and in Exhibit “F” to fund Contract Change Order No. 49.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
20847 (1617)	\$163,869,000	-\$0-	\$163,869,000	\$18,721,700	\$336,000	\$19,057,700

ENVIRONMENTAL COMPLIANCE:

The Michelson Water Recycling Plant Phase 2 Expansion and Flood Protection Improvements, Projects are subject to the California Environmental Quality Act (CEQA) and in conformance with the California Code of Regulations Title 14, Chapter 3, Article 7, an Environmental Impact Report, SCH # 2005051174, was certified by the lead agency on February 27, 2006.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on October 18, 2011.

RECOMMENDATION:

THAT THE BOARD APPROVE CONTRACT CHANGE ORDER NO. 49 TO INSTALL INDICATOR PILES FOR THE PROPOSED BIOSOLIDS FACILITIES IN THE AMOUNT OF \$318,886.24, WITH J. R. FILANC CONSTRUCTION COMPANY FOR THE MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION PROJECT 20214 (1599) AND 30214 (1706); AND APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$336,000 FOR MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY RECOVERY FACILITIES, PROJECT 20847 (1617).

Action Calendar: Michelson Water Recycling Plant Phase 2 Expansion and Flood Protection
Improvements – Contract Change Order and Expenditure Authorization

October 24, 2011

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LIST OF EXHIBITS:

Exhibit “A” – Project Overview Diagram

Exhibit “B” – Indicator Piles Lengths

Exhibit “C” – Location of Test Piles

Exhibit “D” – Change Order No. 49

Exhibit “E” – Change Order Summary

Exhibit “F” – Expenditure Authorization



Overview of MWRP Phase 2 Expansion



Elevations and Dimensions in FEET												Excavation Required for Test Pile				
Indicator Pile No.	Structure	Ec			Theoretical Test Pile Length	Required Test Pile Length	Eg	Dce	dx		do	Pile max Axial compression load (kips)	Pile max Axial tension (kips)	Pile max. shear (fixed head) (kips)	Pile max. moment (fixed head) (kip-ft)	Pile head deflection (fixed head) (in)
		Design Pile Top Elevation (Cut-off)	Design Pile Tip Elevation	Design Pile Length					Existing Ground Elevation	Depth to Cut off Elev. From (E) Ground						
1	Methane Digester 2	1.75	-63.25	65	75	75	23.0	21	15	8.0	6	200	130	17.1	108.4	0.75
2	Methane Digester 1	1.75	-63.25	65	75	75	23.0	21	15	8.0	6	200	130	17.1	108.4	0.75
3	Methane Digester 2	1.75	-63.25	65	75	75	22.0	20	15	7.0	5	200	130	17.1	108.4	0.75
4	M. Digester Tunnel	1.75	-61.25	63	73	80	23.0	21	15	8.0	6	200	130	17.1	108.4	0.75
5	Methane Digester 1	1.75	-63.25	65	75	75	23.0	21	15	8.0	6	200	130	17.1	108.4	0.75
6	M. Digester Tunnel	1.75	-61.25	63	73	80	22.0	20	15	7.0	5	200	130	17.1	108.4	0.75
7	Digester Control Bldg	4.25	-58.75	63	73	80	23.0	19	15	8.0	4	200	130	17.1	108.4	0.75
8	Methane Digester 3	1.75	-63.25	65	75	75	21.0	19	15	6.0	4	200	130	17.1	108.4	0.75
9	Digester Control Bldg	4.25	-58.75	63	73	80	23.0	19	15	8.0	4	200	130	17.1	108.4	0.75
10	Methane Digester 3	1.75	-63.25	65	75	75	21.0	19	15	6.0	4	200	130	17.1	108.4	0.75
11	Acid Digester 2	12.25	-49.75	62	72	72	23.0	11	6	17.0	5	200	120	17.8	110.9	0.75
12	Sludge Holding Tank 1	15.25	-54.75	70	80	80	20.0	5	5	15.0	0	200	125	17.9	111.4	0.75
13	Sludge Holding Tank 2	15.25	-54.75	70	80	80	20.0	5	5	15.0	0	200	125	17.9	111.4	0.75
14	FOG Receiving	16.25	-37.75	54	64	64	23.0	7	7	16.0	0	150	90	23.3	106.3	0.50
15	LPDH	20.25	-22.75	43	53	53	20.0	0	0	20.0	0	100	50	27.9	119.3	0.40
16	Centrate Treat. Tank	2.95	-43.05	46	56	56	20.0	17	15	5.0	2	120	65	17.4	108.5	0.75
17	Polymer Storage	14.75	-55.25	70	80	80	19.0	4	4	15.0	0	200	120	17.8	110.9	0.75
18	Solids Handling Bldg	19.75	-50.25	70	80	80	20.0	0	1	19.0	0	200	130	27.2	117.5	0.50
19	Solids Handling Bldg	19.75	-50.25	70	80	80	20.0	0	1	19.0	0	200	130	27.2	117.5	0.50
20	Liquid Chemical Storage	16.25	-33.75	50	60	60	19.0	3	0	19.0	3	200	125	19.4	114.1	0.75
21	Solids Handling Bldg	19.75	-50.25	70	80	80	19.0	-1	0	19.0	0	200	130	27.2	117.5	0.50
22	Solids Handling Bldg	19.75	-50.25	70	80	80	19.0	-1	0	19.0	0	200	130	27.2	117.5	0.50
23	Solids Handling Bldg	19.75	-50.25	70	80	80	18.0	-2	0	18.0	0	200	130	27.2	117.5	0.50
24	Storm Water Pump St	1.50	-63.50	65	75	75	16.0	15	15	1.0	0	200	130	27.2	117.5	0.50

IRWD Biosolids Test Pile Program

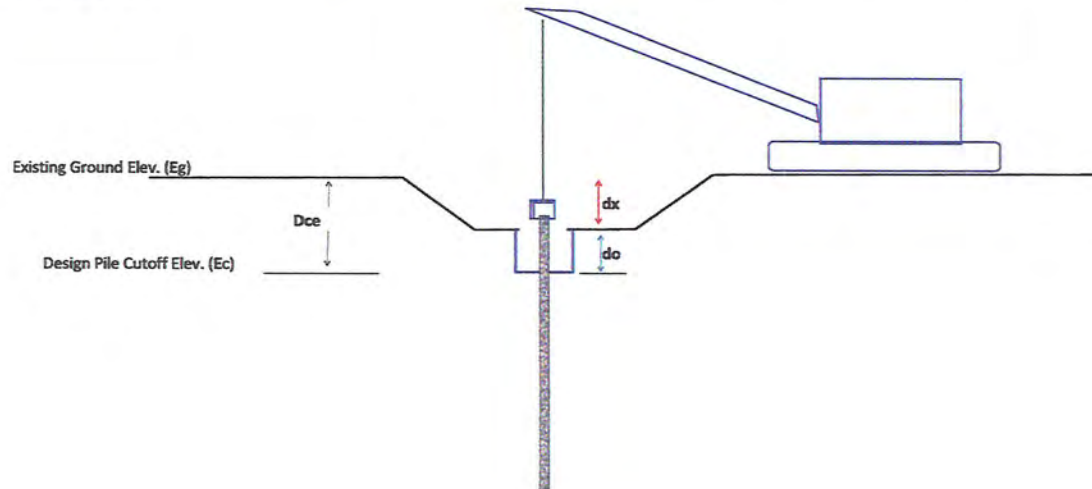


Exhibit "B"

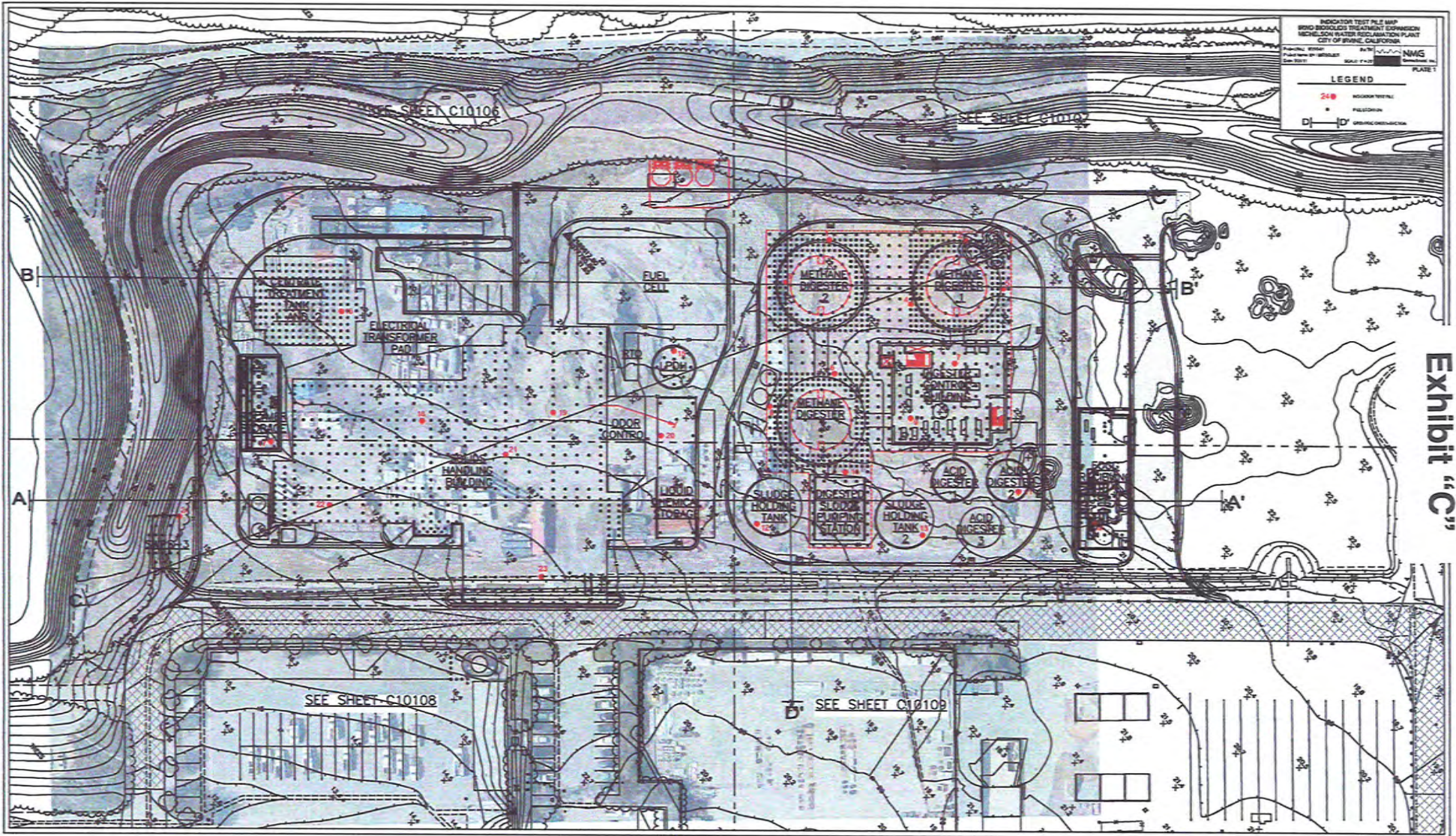


Exhibit "C"

EXHIBIT "E"

MWRP Phase 2 Expansion and Flood Protection Improvements PR 20214, 20542, 30214, and 30542 Construction Summary

Contractor: J R Filanc Construction
Design Engineer: HDR

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
1	Approved by Director of Engineering and Construction Approved on November 19, 2009 1.1 Partnering Workshop – IRWD and the Contractor agreed to split equally the cost of partnering. The initial partnering workshop was held on September 3, 2009. This change request represents the Contractor’s portion of the cost of that initial workshop. It is a credit to IRWD. 1.2 Installation of Bollards – The Contractor installed bollards around the IRWD MWRP Phase 2 Field Office Trailer and K-rails around the interim soium hypochlorite System to protect from traffic 1.3 Relocation of 4-inch Natural Gas Pipeline	A A B	 (\$6,561.60) \$ 3,655.72 \$ 3,101.28	\$195.40	\$0.00	\$195.40	0.0%	\$87,479,645.40	0 0 0	0	0	1,094	8/1/2012
2	Approved by Director of Engineering and Construction Approved on December 3, 2009 2.1 Previously Approved Change Request #4 – Tree Removal and Grinding at Flood Improvements and Duck Club 2.2 Previously Approved NOPE #1 – Demolish Abandoned Building 2.3 Repair of 10-inch PVC Groundwater Line at the New Headworks Area	A D B	 \$ 6,696.00 \$ 7,641.87 \$ 1,680.17	\$16,018.04	\$195.40	\$16,213.44	0.0%	\$87,495,663.44	0 0 0	0	0	1,094	8/1/2012
3	Approved by Director of Engineering and Construction Approved on December 18, 2009 3.1 Construct Temporary Access Road to Staging Area 3	A	\$ -	\$0.00	\$16,213.44	\$16,213.44	0.0%	\$87,495,663.44	0	0	0	1,094	8/1/2012
4	Approved by Board of Directors Approved on January 25, 2010 4.1 Upsize Area 600 Aeration Blower from 350 to 500 hp 4.2 Upsizing Soft Starters for Area 700 Blowers from 350 to 450 hp 4.3 Infrared Windows to Measure Stray Currents	C C A	 \$ 66,355.57 \$ 41,529.75 \$ 36,064.78	\$143,950.10	\$16,213.44	\$160,163.54	0.2%	\$87,639,613.54	0 0 0	0	0	1,094	8/1/2012
5	Approved by Director of Engineering and Construction Approved on December 29, 2009 5.1 Relocation of K-rail to Allow Construction Equipment access for pond maintenance (PR 10942)	D	\$ 5,081.52	\$5,081.52	\$160,163.54	\$165,245.06	0.2%	\$87,644,695.06	0	0	0	1,094	8/1/2012
6	Approved by Engineering & Operations Comm Approved on January 19, 2010 6.1 WAS and Skimming Pumps Replacement (PR 20779)	D	\$ 77,478.00	\$77,478.00	\$165,245.06	\$242,723.06	0.3%	\$87,722,173.06	0	0	0	1,094	8/1/2012

MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214, 20542, 30214, and 30542
Construction Summary

Contractor: J R Filanc Construction
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7	Approved by AGM Approved on February 9, 2010			\$10,214.87	\$242,723.06	\$252,937.93	0.3%	\$87,732,387.93	0	0	0	1,094	8/1/2012
	7.1 Relocation and Repair of Unknown Utilities. The Contractor relocated a 1-inch air line and repaired a 2-inch chlorine line, both of which were not shown on the Plans. (CCR #10)	B	\$ 2,588.36						0				
	7.2 Removal and Disposal of Unknown Electrical Ductbanks at future Sodium Hypochlorite Feed Facility. (CCR #12)	B	\$ 2,216.31						0				
	7.3 Non-compensable Weather-Related Delay	B	\$ -						0				
	7.4 Non-compensable Time Extension Due to Change Order No. 4	C	\$ -						0				
	7.5 Addition of Manways on Sodium Hypochlorite Tanks (CCR #23)	A	\$ 5,410.20						0				
8	Approved by Board of Directors Approved on February 22, 2010			-\$1,135,820.75	\$252,937.93	-\$882,882.82	-1.0%	\$86,596,567.18	0	0	0	1,094	8/1/2012
	8.1 Delete Bid Item A.28 – System Integration	A	\$ (1,624,460.00)						0				
	8.2 System Integration Coordination and SCADA Hardware Procurement	A	\$ 488,639.25						0				
9	Approved by AGM Approved on March 18, 2010			-\$36,064.78	-\$882,882.82	-\$918,947.60	-1.1%	\$86,560,502.40	0	0	0	1,094	8/1/2012
	9.1 Deletion of Change Order 4, Line Item 3 – Installation of Infrared Windows.	A	\$ (36,064.78)						0				
10	Approved by AGM Approved on March 23, 2010			\$6,963.45	-\$918,947.60	-\$911,984.15	-1.0%	\$86,567,465.85	0	0	0	1,094	8/1/2012
	10.1 Removal of 18-inch pipe and installation of 24-inch blind flange at Sodium Hypochlorite System excavation (CR #24)	B	\$2,708.66						0				
	10.2 Addition of 24-inch side manway for Manganese Hydroxide tanks (CR #27)	A	\$5,667.83						0				
	10.3 Relocation of 54" Primary Effluent Line (CR #29)	A	(\$15,928.00)						0				
	10.4 Change in PVC C900/C905 Manufacturer (CR #30)	A	\$14,514.96						0				

MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214, 20542, 30214, and 30542
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11	Approved by Director of Engineering and Construction Approved on April 26, 2010			\$21,033.73	-\$911,984.15	-\$890,950.42	-1.0%	\$86,588,499.58	0	0	0	1,094	8/1/2012
	11.1 Abandoned 24-inch line at high rate clarifier location (CR #026)	B	\$15,782.97						0				
	11.2 Exploratory Excavation for Duct Bank at MPS-2 electrical building	B	\$3,035.98						0				
	11.3 Provide chain operators and chain, and grease fittings for plug valves for the WAS/Skimming Pumps Replacement Project (PR 20779) (CR #036)	D	\$2,214.78						0				
12	Approved by Director of Engineering and Construction Approved on April 28, 2010			\$17,121.47	-\$890,950.42	-\$873,828.95	-1.0%	\$86,605,621.05	0	0	0	1,094	8/1/2012
	12.1 Relocation of Existing 10-inch and 6-inch GW line (CR #014)	B	\$17,121.47						0				
13	Approved by AGM Approved on April 28, 2010			\$34,095.00	-\$873,828.95	-\$839,733.95	-1.0%	\$86,639,716.05	0	0	0	1,094	8/1/2012
	13.1 Modifications in Checkered Aluminum Plates at the Headworks Area (CR 037)	C	\$34,095.00						0				
14	Approved by Director of Engineering and Construction Approved on May 4, 2010			\$16,655.10	-\$839,733.95	-\$823,078.85	-0.9%	\$86,656,371.15	0	0	0	1,094	8/1/2012
	14.1 Electrical Substation Work (Two additional 5-inch Conduits and Connection btwn IRWD and SCE) (CR 028)	A	\$16,655.10						0				
15	Approved by AGM Approved on May 21, 2010			-\$49,007.95	-\$823,078.85	-\$872,086.80	-1.0%	\$86,607,363.20	0	0	0	1,094	8/1/2012
	15.1 Credit for Not Relocating the 18-inch diameter drain line at HRC (CR #019)	A	(\$42,262.00)						0				
	15.2 Credit for Slab Penetration Modifications, Detail P17 (RFI 0102) (CR #032)	A	(\$6,745.95)						0				
16	Approved by Director of Engineering and Construction Approved on May 25, 2010			\$22,358.42	-\$872,086.80	-\$849,728.38	-1.0%	\$86,629,721.62	0	0	0	1,094	8/1/2012
	16.1 Abandonment of 6" Pipes at MBR Screen Area (CR 042)	B	\$2,536.36						0				
	16.2 Addition of Three Transformers at UV Disinfection Facility (RFI 0149)	C	\$18,633.63						0				
	16.3 Remove encasement on existing utilities to allow construction of future Primary Sedimentation Tanks (CR 051)	B	\$1,188.43						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214, 20542, 30214, and 30542
Construction Summary**

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17	Approved by Engineering & Operations Committee Approved on June 15, 2010 17.1 Demolition of Old Clarifier Bottoms (CR 013)	B	(\$55,420.00)	-\$55,420.00	-\$849,728.38	-\$905,148.38	-1.0%	\$86,574,301.62	0	0	0	1,094	8/1/2012
18	Approved by Director of Engineering and Construction Approved on July 28, 2010 18.1 Water Control Gate Revisions (CR #034) 18.2 Repair of Existing Vault west of High Rate Clarifier (CR #057) 18.3 Additional Demolition at Abandoned Aerobic Digester Area (CR #063)	C B B	\$17,923.23 \$1,451.75 \$5,507.26	\$24,882.24	-\$905,148.38	-\$880,266.14	-1.0%	\$86,599,183.86	0 0 0	0	0	1,094	8/1/2012
19	Approved by Director of Engineering and Construction Approved on July 30, 2010 19.1 Platform modifications at Sodium Hypochlorite Feed System (CR 025) 19.2 Pothole of existing 36-inch filter influent pipe (CR 043) 19.3 Delete 6" knife gate valve and add 6" plug valve at Primary Sedimentation (CR 046) 19.4 Repair of reclaimed water leak near old control room (CR 054) 19.5 MBR fine screen cover plates modifications (CR 064)	A A A B B	\$2,478.67 \$4,503.99 \$662.31 \$1,173.07 \$7,240.64	\$16,058.68	-\$880,266.14	-\$864,207.46	-1.0%	\$86,615,242.54	0 0 0 0 0	0	0	1,094	8/1/2012
20	Approved by Assistant GM Approved on August 26, 2010 20.1 Area 600 Blower Discharge Modifications (CR 050)	A	\$34,622.27	\$34,622.27	-\$864,207.46	-\$829,585.19	-0.9%	\$86,649,864.81	0	0	0	1,094	8/1/2012
21	Approved from Board of Directors Approved on August 23, 2010 21.1 Valve Vaults Modifications (CR 020)	A	\$277,384.97	\$277,384.97	-\$829,585.19	-\$552,200.22	-0.6%	\$86,927,249.78	0	0	0	1,094	8/1/2012
22	Approved by Director of Engineering and Construction Approved on August 26, 2010 22.1 Site Cleanup Due to Existing Filter Overflow (CR 065) 22.2 Hollow shaft motor modifications to Vertical Turbine & Vertical Propeller Pumps (CR 069)	B A	\$4,271.51 \$18,845.55	\$23,117.06	-\$552,200.22	-\$529,083.16	-0.6%	\$86,950,366.84	0 0	0	0	1,094	8/1/2012
23	Approved by Director of Engineering and Construction Approved on September 9, 2010 23.1 MBR Anoxic Wall Modifications (CR 061) 23.2 Repair Existing 6-inch GW near SCE Station (CR 067) 23.3 Unforeseen Conditions at SCE Conduit Installation (CR 075)	C B B	\$6,399.86 \$3,449.83 \$13,719.91	\$23,569.60	-\$529,083.16	-\$505,513.56	-0.6%	\$86,973,936.44	0 0 0	0	0	1,094	8/1/2012

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214, 20542, 30214, and 30542
Construction Summary**

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24	Approved by Engineering and Operations Committee Approved on September 21, 2010			-\$52,172.00	-\$505,513.56	-\$557,685.56	-0.6%	\$86,921,764.44	0	0	0	1,094	8/1/2012	
24.1	UVE Piping Modifications at Chlorine Contact Tanks (CR 056)	A	(\$52,172.00)						0					
25	Approved by Board of Directors Approved on September 27, 2010			\$186,651.45	-\$557,685.56	-\$371,034.11	-0.4%	\$87,108,415.89	0	0	0	1,094	8/1/2012	
25.1	Modifications to Campus Drive Entrance (CR 022)	A	\$186,651.45						0					
26	Approved by Director of Engineering and Construction Approved on October 20, 2010			\$19,392.74	-\$371,034.11	-\$351,641.37	-0.4%	\$87,127,808.63	0	0	0	1,094	8/1/2012	
26.1	Change of Strut Material from FRP to Stainless Steel 316/Install CAT5 Cable from PLC 1600 to PLC 9 (CR 074) [PR 20214, 30214]	A	\$1,539.18						0					
26.2	Existing Primary Sludge Pump Room Demolition and Modifications (CR 076) [PR 20214, 30214]	C	\$3,909.94						0					
26.3	Fence Repair at SCE Substation (CR 078) [PR 20214, 30214]	B	\$1,957.62						0					
26.4	SHC Electrical and Controls and Milestone Revisions (CR 079) [PR 20214, 30214]	B	\$324.07						0					
26.5	Change to more Energy Efficient Air Conditioning Units (Five Total) (Submittal 15604-001) (CR 081) [PR 20214, 30214]	A	\$9,101.41						0					
26.6	Grouting of the Sodium Hypochlorite Tanks at their Permanent Site (CR 084) [PR 20214, 30214]	A	\$2,560.52						0					
27	Approved by Engineering & Operations Committee Approved on November 4, 2010			-\$58,157.82	-\$351,641.37	-\$409,799.19	-0.5%	\$87,069,650.81	0	0	0	1,094	8/1/2012	
27.1	Primary Sedimentation Tanks Flo-Clip Baffles Value Engineering (CR 080)	A	(\$58,157.82)						0					
28	Approved by GM Approved on November 24, 2010			\$39,525.24	-\$409,799.19	-\$370,273.95	-0.4%	\$87,109,176.05	0	0	0	1,094	8/1/2012	
28.1	Ducts for Future Phase 3 MBR (RFI 44) (RFI 016)	A	\$32,021.80						0					
28.2	Sodium Hypochlorite LCP Modifications (CR 071)	A	\$7,503.44						0					
29	Approved by Director of Engineering & Construction Approved on December 22, 2010			\$23,964.61	-\$370,273.95	-\$346,309.34	-0.4%	\$87,133,140.66	0	0	0	1,094	8/1/2012	
29.1	MBR Aeration Piping Access Platforms (CR-066)	A	\$14,074.73						0					
29.2	Electrical Conduit Installation near MWRP Phase 2 Trailers (Unforeseen Conditions) (CR 077)	B	\$9,889.88						0					

**MWRP Phase 2 Expansion and Flood Protection Improvements
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30	Approved by Assistant GM Approved on December 22, 2010			\$48,684.10	-\$346,309.34	-\$297,625.24	-0.3%	\$87,181,824.76	0	0	0	1,094	8/1/2012	
	30.1 Pipe Support (20-PE and 18-ML) Modifications per Submittal 15090-003 (CR 073)	C	\$20,880.97						0					
	30.2 Material Change to SS 316 for Dry Type Transformer Submittal 16460-001 and Panelboard Submittal 16441-002 (CR 093)	A	\$27,803.13						0					
31	Pending Approval from Engineering & Operations Committee Approval scheduled for January 18, 2011			\$61,136.74	-\$297,625.24	-\$236,488.50	-0.3%	\$87,242,961.50	0	0	0	1,094	8/1/2012	
	31.1 Modifications at Campus Drive Access (CR 085)	A	\$61,136.74						0					
32	Approved by Director of Engineering & Construction Approved on January 31, 2011			\$24,303.15	-\$236,488.50	-\$212,185.35	-0.2%	\$87,267,264.65	0	0	0	1,094	8/1/2012	
	32.1 Delete Grout Fillet and Add Embeds at Headworks Grit Chambers (CR 090)	A	\$8,156.20						0					
	32.2 LCPs for Vertical Recirculating Chopper Pumps and Sump Pumps (CR 097)	C	\$15,000.00						0					
	32.3 Install Additional "Pipe Below Ground" Warning Tape (CR-099)	A	\$1,146.95						0					
33	Pending Approval from Board of Directors Pending Approval on February 28, 2011			\$282,840.15	-\$212,185.35	\$70,654.80	0.1%	\$87,550,104.80	0	0	0	1,094	8/1/2012	
	33.1 Revised chlorine feed to filters (CR-038)	C	-\$3,510.68						0					
	33.2 PEPS meter vaults and bypass piping revisions (CR-039)	C	-\$165,696.50						0					
	33.3 MPS-2 Pump Discharge Pipe Modifications (NOPE #003/CR-040)	D	\$54,005.58						0					
	33.4 Modifications to MPS-2 Building Due to Unknown Duct Banks (RFI 160) (CR-049)	B	\$16,500.00						0					
	33.5 WAS/Foam Pump Revisions (CR-053)	C	-\$5,696.40						0					
	33.6 Floodwall Revisions per County of Orange and FEMA comments (CR-083)	A	\$350,685.85						0					
	33.7 Modifications to Grating Supports at PST Splitter Box (CR-102)	C	\$5,266.73						0					
	33.8 Change to NEMA 3R SS 316 Cabinets and Additional Taps for UV Disinfection Transformers Added by CR 047/CO 16 (CR-104)	A	\$12,003.29						0					
	33.9 Miscellaneous Time &Material Items								0					
	Demo Oversized Footing/Rebar on Existing Retaining Wall behind Paint Shop (CR-100)	B	\$5,391.41						0					
	Removal of Unknown Concrete at the North Interceptor (CR-107)	B	\$2,917.38						0					
	Thrust block on storage line at HRC vault (CR-108)	B	\$3,638.22						0					
	Removal of encased pipe for pile driving at MBR (CR-109)	B	\$2,756.79						0					
	Repair pile damaged when performing CR-109 (CR-110)	B	\$1,320.34						0					
	Install hydrophilic waterstop at PST launders (CR-113)	B	\$3,258.14						0					

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34	Approved by Director of Engineering & Construction Approved on March 23, 2011			\$21,844.56	\$70,654.80	\$92,499.36	0.1%	\$87,571,949.36	0	0	0	1,094	8/1/2012	
34.1	Groundwater Well Modifications (CR-041) [PR 20214, 30214]	A	\$2,338.20						0					
34.2	Bypass for Shutdown at HRC Vault (CR-106) [PR 20214, 30214]	A	\$11,200.90						0					
34.3	Removal and Disposal of Abandoned 8-inch Reclaimed Water Line in the area of North Influent Interceptor Junction Structure (CR-111) [PR 20214, 30214]	B	\$3,039.17						0					
34.4	Additional Pipe Supports for 20" PE at MBR (CR-135) [PR 20214, 30214]	B	\$2,811.22						0					
34.5	Repair existing 6-in Reclaimed Water Line near Headworks (CR-138) [PR 20214, 30214]	C	\$2,455.07						0					
35	Approved by Asst. GM Approved on April 18, 2011			\$43,741.00	\$92,499.36	\$136,240.36	0.2%	\$87,615,690.36	0	0	0	1,094	8/1/2012	
35.1	Area 600 Blower Discharge Modifications (CR-055) [PR 20214, 30214]	A	\$28,785.00						0					
35.2	Area 600 Blower Structural Support Modifications (CR-077) [PR 20214, 30214]	B	\$14,956.00						0					
36	Approved by Director of Engineering and Construction Approved on May 16, 2011			\$23,514.97	\$136,240.36	\$159,755.33	0.2%	\$87,639,205.33	0	0	0	1,094	8/1/2012	
36.1	Area 300 Primary Sedimentation and Area 700 Membrane Bioreactors FRP Launder Modifications (CR-087) [PR 20214, 30214]	A	\$4,757.27						0					
36.2	Area 700 Membrane Bioreactors GE Piping Modifications (CR-136) [PR 20214, 30214]	B	\$16,933.64						0					
36.3	Addition of speed feedback on Various variable speed pumps (Chemical Systems) (CR-116) [PR 20214, 30214]	A	\$1,824.06						0					
37	Approved by Assistant GM Approved on May 30, 2011			\$46,369.50	\$159,755.33	\$206,124.83	0.2%	\$87,685,574.83	0	0	0	1,094	8/1/2012	
37.1	Replacement of Existing Area 600 Discharge Pipe Coupling (CR-117) [PR 20214, 30214]	A	\$14,011.85						0					
37.2	Modifications to Primary Sedimentation Tank Embeds and Cover Plates (CR-125) [PR 20214, 30214]	A	\$6,751.65						0					
37.3	Increase of Bid Item A.8 – Additional Pre-drilling of Piles (CR-098) – 3.658 LF@ \$7/LF [PR 20214, 30214]	B	\$25,606.00						0					
38	Approved by Director of Engineering and Construction Approved on May 30, 2011			\$24,692.00	\$206,124.83	\$230,816.83	0.3%	\$87,710,266.83	0	0	0	1,094	8/1/2012	
38.1	Two-Sided (Split Faced) Masonry for Flood Protection Improvements (CR-088) [PR 20542, 30542]	C	\$19,704.00						0					
38.2	Architectural Modifications of MBR Building per Revised Drawing A-702 (CR-149) [PR 20214, 30214]	C	\$4,988.00						0					

**MWRP Phase 2 Expansion and Flood Protection Improvements
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			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
39	Approved by Engineering & Operations Committee Approved on June 21, 2011 39.1 Additional Architectural Modifications at High Rate Clarifier (CR-082) [PR 20214, 30214]	A	\$60,515.80	\$60,515.80	\$230,816.83	\$291,332.63	0.3%	\$87,770,782.63	0	0	0	1,094	8/1/2012
40	Approved by Director of Engineering and Construction Approved on June 23, 2011 40.1 Double Containment Piping Modification for Sodium Hypochlorite System (CR-095) [PR 20214, 30214/Oracle 1599, 40.2 Change of Enclosure from NEMA 4 to NEMA 4X SS for Chopper Pumps in CR-097 (CR-133) [PR 20214, 40.3 Sodium Hypochlorite Tank Pad at PST Odor Control (CR-146) [PR 20214, 30214/Oracle 1599, 1706]	A A B	\$16,157.16 \$1,347.00 \$5,709.89	\$23,214.05	\$291,332.63	\$314,546.68	0.4%	\$87,793,996.68	0 0 0	0 0 0	0 0 0	1,094	8/1/2012
41	Approved Assistant GM Approved on June 24, 2011 41.1 MPS-2 replacement of existing valves (NOPE #4) (CR-126) [PR 20214, 30214/Oracle 1599, 1706] 41.2 Graybar Modifications per RFI 372 (CR-144) [PR 20214, 30214/Oracle 1599, 1706] 41.3 Steel Joists Modifications Due to Additional Load Requirements per Submittal 05221-001 (CR-153) [PR 20214, 30214/Oracle	A A B	\$35,068.26 \$3,429.00 \$9,508.00	\$48,005.26	\$314,546.68	\$362,551.94	0.4%	\$87,842,001.94	0 0 0	0 0 0	0 0 0	1,094	8/1/2012
42	Approved by Engineering & Operations Committee Approved on July 13, 2011 42.1 MBR Aeration and Permeate Piping Modifications (CR-048) [PR 20214, 30214/Oracle 1599, 1706]	B	\$59,150.74	\$59,150.74	\$362,551.94	\$421,702.68	0.5%	\$87,901,152.68	0	0	0	1,094	8/1/2012
43	Approved by Board of Directors Approved on July 25, 2011 43.1 Pipelines and Utilities for Future Biosolids (CR-017) (PR 20847/Oracle 1617) 43.2 Biosolids Sewer Force Main (CR-045) (PR 20847/Oracle 1617) 43.3 Geotechnical Investigation at Staging Area 2 for Biosolids Project (CR 137) (PR 20847/Oracle 1617)	D D D	\$503,272.17 \$626,976.14 \$2,035.40	\$1,132,283.71	\$421,702.68	\$1,553,986.39	1.8%	\$89,033,436.39	120 60 60	0	120	1,214	11/29/2012
44	Pending Approval from Director of Engineering & Construction Approval Pending on August 18, 2011 44.1 Chemical Systems Pump Pad Modifications (CR-105) (PR 20214,30214/Oracle 1599,1706) 44.2 Installation of 6" Gate Valve and Change of Pipe Size on PW near SII Junction (CR-140) (PR 20214,30214/Oracle 44.3 PLC-300 additional I/O to accommodate VFD change of Primary Sludge Pumps (PR 20214,30214/Oracle 1599,1706) 44.4 Non-compensable time extension of Milestone 5 – Floodwall Installation delay due to FEMA review and regulatory compliance	A A A B	\$1,833.71 \$9,141.00 \$13,999.77 \$0.00	\$24,974.48	\$1,553,986.39	\$1,578,960.87	1.8%	\$89,058,410.87	0 0 0 0	0	0	1,214	11/29/2012

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214, 20542, 30214, and 30542
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer: HDR

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
45	Approved by Director of Engineering & Construction Approved on August 29, 2011			\$24,935.87	\$1,578,960.87	\$1,603,896.74	1.8%	\$89,083,346.74	0	0	0	1,214	11/29/2012
45.1	Deletion of Monorail and Door Modifications at Headworks (CR-103) (PR 20214,30214/Oracle 1599,1706)	A	\$3,570.03						0				
45.2	Hollow Metal Door Modifications (CR-156) (PR 20214,30214/Oracle 1599,1706)	A	\$7,396.38						0				
45.3	Miscellaneous T&M (CR-166) (PR 20214,30214/Oracle 1599,1706)	B	\$13,969.46						0				
46	Approved by Board of Directors Approved on September 26, 2011			\$476,789.37	\$1,603,896.74	\$2,080,686.11	2.4%	\$89,560,136.11	0	0	0	1,214	11/29/2012
46.1	Replacement of Sand Canyon Zone A and Associated Piping, Valves, and Appurtenances (CR-130) (PR 30038/Oracle 1643)	D	\$455,216.07						0				
46.2	As Needed Potholing Related to Strainer Replacement and Pipe Installation (CR-130) (PR 30038/Oracle 1643)	D	\$21,573.30						0				
47	Approved by Director of Engineering & Construction Approved on October 13, 2011			\$24,215.90	\$2,080,686.11	\$2,104,902.01	2.4%	\$89,584,352.01	0	0	0	1,214	11/29/2012
47.1	Installation of Davits at PST, MBR, SBW Walkway, and HRC (CR-134) (PR 20214 (1599)/30214 (Oracle 1706))	A	\$6,153.02						0				
47.2	Miscellaneous T&M Work (CR-183) (PR 20214 (1599)/30214 (Oracle 1706))	B	\$18,062.88						0				
48	Pending Approval from Director of Engineering & Construction Pending Approval on October 17, 2011			\$24,860.93	\$2,104,902.01	\$2,129,762.94	2.4%	\$89,609,212.94	0	0	0	1,214	11/29/2012
48.1	Primary splitter box low pressure air pipe material and restraints (CR-162)/(PR 20214 (1599)/30214 (Oracle 1706))	C	\$6,583.45						0				
48.2	FRP Launder Modifications at MBR RAS Box (CR-168)/(PR 20214 (1599)/30214 (Oracle 1706))	C	\$4,318.00						0				
48.3	Concrete with PVC behind Auto Shop (CR-112)/(PR 20214 (1599)/30214 (Oracle 1706))	B	\$1,262.67						0				
48.4	Door Hardware Modifications per RFI-0339 (CR-139)/(PR 20214 (1599)/30214 (Oracle 1706))	C	\$7,428.82						0				
48.5	SBW Pumps Low Level Circuit modifications (CR-178)/(PR 20214 (1599)/30214 (Oracle 1706))	C	\$2,261.42						0				
48.6	Site Lighting Modifications (CR-068)/(PR 20214 (1599)/30214 (Oracle 1706))	C	\$3,006.57						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214, 20542, 30214, and 30542
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer: HDR

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
49	Pending Approval from Board of Directors Pending Approval on October 24, 2011 49.1 Biosolids Indicator Piles (CR-175)/PR 20847 (1617)	D	\$318,886.24	\$318,886.24	\$2,129,762.94	\$2,448,649.18	2.8%	\$89,928,099.18	0	0	0	1,214	11/29/2012

% of Original
Contract Amount

A - District Convenience/Initiation - Project Related	\$ 16,114.20	0.0%
B - Differing Site Conditions	\$ 252,317.48	0.3%
C - Design Oversight	\$ 105,836.43	0.1%
D - District Convenience/Initiation - Non-Project Related	\$ 2,074,381.07	2.4%
TOTAL (A+B+C+D)	\$ 2,448,649.18	2.8%
TOTAL (A+B+C - (CCO No. 8 - SCADA))	\$ 1,510,088.86	1.7%

EXHIBIT "F"

IRVINE RANCH WATER DISTI Expenditure Authorization

Project Name: MWRP BIOSOLIDS HANDLING & ENERGY RECOVERY FACILITY

Project No: 20847 **EA No:** 5

ID Split: Miscellaneous

Project Manager: MALLOY, STEVEN

Project Engineer: SPANGENBERG, CARL

Request Date: October 12, 2011

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
211	10.5	CAPITAL FUND
212	4.5	BONDS YET TO BE SOLD**
213	.3	BONDS YET TO BE SOLD**
221	20.9	BONDS YET TO BE SOLD**
230	13.7	BONDS YET TO BE SOLD**
235	3.2	BONDS YET TO BE SOLD**
250	32.4	BONDS YET TO BE SOLD**
253	1.2	BONDS YET TO BE SOLD**
261	8.5	BONDS YET TO BE SOLD**
282	2.3	BONDS YET TO BE SOLD**
284	2.5	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$18,721,700
This Request:	\$336,000
Total EA Requests:	\$19,057,700
Previously Approved Budget:	\$163,869,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$163,869,000
Budget Remaining After This EA	\$144,811,300

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING OUTSIDE	0	0	0	0	0	0	11/10	12/13
ENGINEERING DESIGN - IRWD	0	600,000	600,000	0	600,000	600,000	7/10	6/12
ENGINEERING DESIGN - OUTSIDE	0	8,420,000	8,420,000	0	8,420,000	8,420,000	7/10	6/12
DESIGN STAFF FIELD SUPPORT	0	87,000	87,000	0	87,000	87,000	7/10	6/12
ENGINEERING - CA&I IRWD	0	50,000	50,000	0	3,000,000	3,000,000	7/12	7/15
ENGINEERING - CA&I OUTSIDE	0	5,955,000	5,955,000	0	6,630,000	6,630,000	7/12	7/15
CONSTRUCTION FIELD SUPPORT	0	10,000	10,000	0	98,700	98,700	7/12	7/15
CONSTRUCTION	320,000	2,363,000	2,683,000	0	136,800,000	136,800,000	7/12	7/15
LEGAL	0	15,000	15,000	0	100,000	100,000	7/10	7/15
WATER QUALITY	0	30,000	30,000	0	30,000	30,000	7/10	7/15
ENGINEERING ENVIRONMENTAL-OUTS	0	300,000	300,000	0	300,000	300,000	7/10	9/11
Contingency - 5.00% Subtotal	\$16,000	\$891,700	\$907,700	\$0	\$7,803,300	\$7,803,300		
Subtotal (Direct Costs)	\$336,000	\$18,721,700	\$19,057,700	\$0	\$163,869,000	\$163,869,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$1,398,600	\$1,398,600	\$0	\$6,868,300	\$6,868,300		
Total	\$336,000	\$20,120,300	\$20,456,300	\$0	\$170,737,300	\$170,737,300		
Direct Labor	\$0	\$777,000	\$777,000	\$0	\$3,815,700	\$3,815,700		

*EA includes estimated G&A. Actual G&A will be applied based on the current ratio of direct labor to general and administrative costs.

EA Originator: _____ 10/12/11

Department Director: _____ 10/12/11

Finance: _____

Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$174,153,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. This declaration of official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.