

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

**JUNE 23, 2014**

**PLEDGE OF ALLEGIANCE**

**CALL TO ORDER**

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

**ROLL CALL**

Directors Matheis, Reinhart, Swan, Withers and President LaMar

Steven LaMar will participate via conference call  
Agenda posted at: 34 Abeto, Irvine, CA 92620

**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.

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**COMMUNICATIONS TO THE BOARD**

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1. A. Written:

B. Oral:

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.

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**PUBLIC HEARING**

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3. PROPOSED CHANGES TO THE SCHEDULE OF RATES AND CHARGES  
EFFECTIVE JULY 1, 2014

1. Recommendation: Open the hearing.
2. Inquire of the Secretary how the hearing was noticed.
3. Receive and file the affidavit of mailing.
4. Request legal counsel to describe the nature of the proceedings.
5. Request the Director of Finance to report on written protests received.
6. Hear any person who wish to speak regarding the proposed changes to the rates and charges.
7. Inquire of the Board if they have any comments or questions.
8. Close the hearing.
9. Adopt a resolution by title.

Reso No. 2014-

CONSENT CALENDAR	Next Resolution No. 2014-32	Items 4-11
4.	<u>MINUTES OF REGULAR BOARD MEETING AND ADJOURNED REGULAR BOARD MEETING</u>	
	Recommendation: That the minutes of the June 9, 2014 Regular Board Meeting and June 16, 2014 Adjourned Regular Board Meeting be approved as presented.	
5.	<u>MAY 2014 TREASURY REPORTS</u>	
	Recommendation: That the Board receive and file the Treasurer's Investment Summary Report, the Monthly Interest Rate Swap Summary for May 2014, and Disclosure Report of Reimbursements to Board members and staff; approve the May 2014 Summary of Payroll ACH Payments in the total amount of \$2,139,905 and approve the May 2014 Accounts Payable Disbursement Summary of Warrants 348232 through 349246, workers' compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$16,165,585.	
6.	<u>APPROVAL OF IRWD'S SHARE OF SOCWA'S FISCAL YEAR 2014-15 OPERATING BUDGET</u>	
	Recommendation: That the Board recommend approval of IRWD's share of SOCWA's Operations and Maintenance Fiscal Year 2014-15 budget in the amount of \$255,208.	
7.	<u>SYPHON RESERVOIR INTERIM FACILITIES BUDGET INCREASE, EXPENDITURE AUTHORIZATION, AND VARIANCE</u>	
	Recommendation: That the Board authorize a budget increase for Project 30374 (3729) in the amount of \$189,100 from \$2,732,300 to \$2,921,400; approve an Expenditure Authorization for Project 30374 (3729) in the amount of \$189,100; and authorize the General Manager to execute Variance No. 5 in the amount of \$10,500 with URS Corporation, Inc. for the Syphon Reservoir Interim Facilities, Project 30374 (3729).	
8.	<u>SAN JOAQUIN RESERVOIR ACTUATOR REPAIR/REPLACEMENT EXPENDITURE AUTHORIZATION</u>	
	Recommendation: That the Board approve an Expenditure Authorization in the amount of \$155,700 for the San Joaquin Reservoir Actuator Repair/Replacement, Project 30455 (5153).	

CONSENT CALENDAR – Continued	Next Resolution No. 2014-32	Items 4-11
9. <u>MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION VARIANCE</u>	<p>Recommendation: That the Board authorize the General Manager to execute Variance No. 9 in the amount of \$52,390 with Delta Systems Engineering for supplemental services associated with the remaining start-up and commissioning activities for the Michelson Water Recycling Plant Phase 2 Expansion, Projects 20214 (1599) and 30214 (1706).</p>	
10. <u>FISCAL YEAR 2014-15 EXPENDITURE AUTHORIZATIONS</u>	<p>Recommendation: That the Board approve Expenditure Authorizations for FY 2014-15 in the amount of \$198,000 for Engineering Planning Study Reserve (water), project 11056 (1790); \$171,600 for Engineering Planning Study Reserve (sewer), project 21056 (1366); \$176,000 for Engineering Planning Study Reserve (recycled), project 31056 (1593); \$1,391,000 for OCSD Solids Handling, project 20812 (1410); \$110,000 for raise manholes to grade 14/15, project 20947 (5299); \$39,000 for Great Park Coordination and Sub-area Master Plan update, project 11469 (1520); and \$39,000 for Great Park Coordination and SAMP update, project 21469 (1167).</p>	
11. <u>FISCAL YEAR 2014-15 OPERATIONS EXPENDITURE AUTHORIZATIONS</u>	<p>Recommendation: That the Board approve Expenditure Authorizations for projects 10392 (1409) \$445,000; 11652 (3770) \$336,600; 11646 (5149) \$916,900; 11648 (3768) \$190,300; 11649 (3769) \$203,500; 11653 (5492) \$130,200; 11703 (4422) \$660,000; 20914 (4438) \$332,200; 20959 (5482) \$330,000; 21010 (4420) \$132,000; 21646 (5490) \$218,900; 21703 (4432) \$400,000; 31646 (3781) \$342,100; 31648 (5485) \$82,500; and 31703 (4429) \$440,000 included in the FY 2014-15 Capital Budget for the total budgeted amount of \$5,160,200.</p>	

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**ACTION CALENDAR**

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12. <u>SILVERADO CANYON DOMESTIC WATER PIPELINE CONSTRUCTION AWARD</u>	<p>Recommendation: That the Board approve an Expenditure Authorization in the amount of \$2,000,300 for project 11743 (4919); find that the irregularity in the bid submitted by Sully-Miller Contracting Company on June 5, 2014 did not affect the amount of the bid or afford Sully-Miller a competitive advantage over the other bidders and waive the irregularity; and authorize the General Manager to execute a construction contract with Sully-Miller Contracting Company in the amount of \$1,742,143 for the Silverado Canyon Domestic Water Pipeline, project 11743 (4919).</p>	
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**ACTION CALENDAR - Continued**

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13. **PORTOLA SPRINGS 16-INCH RECYCLED WATER PIPELINE  
CONSTRUCTION AWARD**

Recommendation: That the Board authorize a budget increase for project 30433 (4951) in the amount of \$40,200, from \$284,500 to \$324,700; approve an Expenditure Authorization in the amount of \$285,000; and authorize the General Manager to execute a construction contract with TE Roberts, Inc. in the amount of \$184,665.90 for the Portola Springs 16-inch Recycled Water Pipeline, project 30433 (4951).

14. **STRAND RANCH WELL OPTIMIZATION AND MONITORING PROJECT  
BUDGET INCREASE, EXPENDITURE AUTHORIZATION CHANGE  
ORDERS AND VARIANCES**

Recommendation: That the Board authorize an increase to the FY 2014-15 Capital Budget in the amount of \$153,100 which includes an increase to Project 11794 in the amount of \$211,500, from \$501,600 to \$713,100, and a decrease to Project 11289 in the amount of \$58,400, from \$17,739,700 to \$17,681,300; approve an Expenditure Authorization for Project 11794 for \$211,500; authorize the General Manager to execute Change Order Nos. 2 and 3 with Bakersfield Well & Pump in the amount of \$106,731 for additional cost of stainless steel couplings, work and to lower the pump and install wellhead monitoring equipment on SREX-4R, and to start up SREX-4R; authorize the General Manager to execute Variance No. 2 with Kennedy/Jenks Consultants in the amount of \$14,536 for additional design services to add SREX-4R to the Strand Ranch Well Optimization and Monitoring Project and prepare record drawings; and approve Variance No 1 with Dee Jasper & Associates in the amount of \$28,630 for construction oversight services for the replacement of SREX-4R and for the pump lowering and instrumentation installation for SREX-4R.

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**OTHER BUSINESS**

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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.

15. A. General Manager's Report

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**OTHER BUSINESS**

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15. B. Directors' Comments

C. Adjourn

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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.



June 23, 2014

Prepared by: Christopher Smithson

Submitted by: Cheryl Clary

Approved by: Paul Cook



## PUBLIC HEARING

### PROPOSED CHANGES TO THE SCHEDULE OF RATES AND CHARGES EFFECTIVE JULY 1, 2014

#### SUMMARY:

The Fiscal Year (FY) 2014-15 Operating Budget was adopted by the Board at the public workshop held on April 28, 2014. The proposed changes to the rates and charges were publicly noticed by mail as required under Proposition 218 and protests to the implementation of those rates and charges have been tallied by the District. As of June 18, 2014, six written protest letters were received by the District, which represents 0.01% of the total customers, substantially less than the 50% which would have been required to prevent the Board from adopting the current proposed rates and charges. Protests may be received up until the commencement of the public hearing; staff will provide an updated report as part of the hearing process.

Pursuant to the requirements of Proposition 218, a Public Hearing on the rates and charges is required. Following the Public Hearing, staff recommends that the Board adopt the proposed changes to the Schedule of Rates and Charges required to fund operating expenses.

#### OUTLINE OF PROCEEDINGS

President: Declare this to be the time and place for a hearing on the proposed changes to the rates and charges. Ask the Secretary how the hearing was noticed.

Secretary: The hearing was noticed by mail. Present affidavit of mailing.

Board: RECOMMENDED MOTION: "RECEIVE AND FILE THE AFFIDAVIT OF MAILING BY AN INDEPENDENT PROCESSING FIRM AS PRESENTED BY THE SECRETARY."

President: Request Legal Counsel to describe the nature of the proceedings.

Legal

Counsel: Describe the proceedings.

President: Request a staff report from the Executive Director of Finance on the proposed rates and charges and inquire whether there have been any written communications.

Executive Director

of Finance: Provide staff report and respond regarding the number of protests received to the implementation of the rates and charges.

President: Inquire whether there is anyone present who wishes to address the Board regarding the proposed changes to the rates and charges.

President: Inquire whether there are any comments or questions from members of the  
(continued) Board of Directors. After comments or questions, State that the hearing will be closed.

Board: RECOMMENDED MOTION: THAT THE HEARING BE CLOSED AND THAT THE FOLLOWING RESOLUTION BE ADOPTED BY TITLE:

RESOLUTION NO. 2014 -

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA  
RESCINDING RESOLUTION NO. 2013- AND ADOPTING  
CHANGES TO THE SCHEDULE OF RATES AND CHARGES AS  
SET FORTH IN EXHIBIT “B” TO THE RULES AND  
REGULATIONS OF IRVINE RANCH WATER DISTRICT  
FOR WATER, SEWER AND RECYCLED WATER SERVICE

BACKGROUND:

Proposed Rates and Charges for FY 2014-15:

A redline version showing the changes to the rates and charges proposed for FY 2014-15 is attached as Exhibit “B”. The proposed changes include both updates identified through the rate setting process and changes to the wording and format to better communicate the application of the District’s rates to the customer.

Staff has reviewed costs and revenues for the treated water system, the untreated water system and the sewer system (which includes recycled water system). As a result of this review, changes to the water and sewer rates for the Irvine Ranch rate area, Orange Park Acres (OPA) rate area and the Los Alisos rate area recommended for FY 2014-15 include:

*Irvine Ranch Rate Area*

Treated Water System:

- The low volume rate will be reduced by \$0.03 from \$0.91/ccf to \$0.88/ccf.
- An increase to the base commodity rate of \$0.07/ccf, from \$1.27/ccf to \$1.34/ccf.
- An additional base commodity rate increase of \$0.02/ccf effective after January 1, 2015 if the dry conditions continue and additional imported purchases are required.
- An increase of \$0.65 to the current monthly service charge, from \$9.85 to \$10.50, which includes monthly user rate contributions of \$0.80/month for water capital infrastructure replacements and \$0.70/month for water capital infrastructure enhancements.

**Sewer and Recycled Water System:**

- An increase to the current monthly service charge of \$2.10, from \$18.40 to \$20.50, which includes monthly user rate contributions of \$6.70/month for sewer/recycled water capital infrastructure replacements and \$0.70/month for sewer and recycled water capital infrastructure enhancements. The \$6.70/month increase includes a \$1.00/month addition from FY 2013-14 and the first of three annual \$0.65 incremental additions to provide funding for a significant portion of the bio-solids treatment facility.

*OPA Rate Area (ID 156)*

**Treated Water System:**

The OPA rate area has tiered rates that are not allocation-based conservation rates, but escalate based on set levels of water used per month. Changes in the rates for the OPA rate area are indexed to the changes in the Irvine rate area by agreement until such time as the acquisition balance is paid in full:

- An increase to the base commodity rate of \$0.07/ccf, from \$1.79 to \$1.86/ccf.
- An additional base commodity rate increase of \$0.02/ccf effective after January 1, 2015 if the dry conditions continue and additional imported purchases are required.
- An increase of \$0.65 to the current monthly service charge, from \$18.35 to \$19.00.

*Los Alisos Rate Area (ID 135/235)*

**Treated Water System:**

The rate adjustments for the Los Alisos rate area treated system include a factor aligning Los Alisos meter rates with the Irvine Ranch meter rates.

- An increase to the base commodity rate of \$0.07/ccf, from \$2.24/ccf to \$2.31/ccf.
- An increase of \$0.65 to the current monthly service charge, from \$9.85 to \$10.50, which includes monthly user rate contributions of \$0.80/month for water capital infrastructure replacements and \$0.70/month for water capital infrastructure enhancements.

**Sewer and Recycled Water System:**

- An increase to the current monthly service charge of \$2.10, from \$18.40 to \$20.50, which includes monthly user rate contributions of \$6.70/month for sewer/recycled water capital infrastructure replacements and \$0.70/month for sewer and recycled water capital infrastructure enhancements. The \$6.70/month increase includes a \$1.00/month addition from FY 2013-14 and the first of three annual \$0.65 incremental additions to provide funding for a significant portion of the bio-solids treatment facility.

The proposed treated tiered rates for both rate areas follow:

<b>Tiers</b>	<b>Irvine Ranch</b>	<b>Los Alisos</b>
Low Volume	\$0.88	\$1.51
Base Rate	\$1.34	\$2.31
Inefficient	\$3.91	\$3.91
Excessive	\$6.22	\$6.22
Wasteful	\$12.60	\$12.60

A proposed redline version of the schedule of rates and charges is provided as Exhibit “B”, and contains all of the proposed rates for all three rate areas.

User/Replacement and Enhancement Capital Component:

The replacement component was increased for sewer as noted above. The added component is estimated to generate an additional \$1.3 million for the sewer system. Combined with the existing replacement and enhancement rate components, the total capital components area are estimated to generate \$3.8 million and \$15.7 million on the treated water and sewer systems, respectively.

Comparison to City of Orange Rates:

On August 28, 2006, IRWD and the City of Orange executed an agreement by which IRWD would provide services to the area known as the “Santiago Hills II / East Orange Area”. One of the conditions stipulated in this agreement was that the cumulative fixed and commodity charges for water service to an IRWD customer using the median amount of water would not exceed the same charges incurred by a customer in the City of Orange using the median amount of water in the City. Based on the rates as proposed for FY 2014-15, a customer in IRWD using the median amount of water (12 ccf per month) will pay an average of \$22.90 per month for the water service fixed and commodity charges. Based on the most current water rates in the City of Orange, a customer using the IRWD median amount of water (12 ccf per month) will pay an average of \$28.47 per month for the water service fixed and commodity charges or 24% more than a comparable ratepayer in IRWD.

Proposition 218 Notice:

Proposition 218, enacted in 1996, mandates that proposed increases in “property-related fees” must be noticed to property owners, and that such owners have an opportunity to protest prior to the enactment of the fee increases. While water districts and sewer agencies throughout the state believed, based on court decisions, that water and sewer service was exempt from this requirement, in July 2006, the California Supreme Court issued a decision in the matter of Bighorn, which held that water delivery charges are property-related. Following the Supreme Court’s logic, most interpretations of the decision are that both water and sewer charges should be noticed in order to be in compliance with Proposition 218.

Under Proposition 218, the notice to customers must be sent to all property owners. As permitted by statute, the District sent its notices to all of its customers (including tenants) in the District's service area at their billing addresses.

The District received all written protests from property owners in the District at a separate post office box from the rest of the District's mail. As of June 18, 2014, six written protests have been received, representing 0.01% of the 87,035 notices sent, 0.59% were retained as undeliverable. Under Proposition 218, more than 50% of the IRWD customers would have had to protest in order to prevent the Board from adopting the Proposed Rates and Charges.

Copies of all six protest letters received to date are attached as Exhibit "C".

#### ENVIRONMENTAL COMPLIANCE:

The establishment, modification, structuring, restructuring or approval of rates, tolls, fares, or other charges by public agencies are exempt from the requirements of the California Environmental Quality Act (CEQA) provided that certain findings are made specifying the basis for the claim of exemption. The necessary findings are contained in the proposed resolution.

#### FISCAL IMPACTS:

The District's FY 2014-15 Consolidated Operating Budget totals \$130.6 million, representing a \$13.6 million or 11.6% increase from the Fiscal Year 2013-14 Operating Budget. The proposed adjustments to the District's Schedule of Rates and Charges will generate approximately \$3.5 million of additional revenue for the treated water system and approximately \$5.6 million of additional revenue in the sewer system.

Included in the additional revenue is \$1.3 million generated to provide funding for the bio-solids capital project within the sewer system.

In addition, the District has elected to utilize \$3.0 million of the rate stabilization fund to minimize the rate increase.

#### COMMITTEE STATUS:

The proposed changes to the Schedule of Rates and Charges were reviewed by the:

- Finance and Personnel Committee on March 4, 2014, March 19, 2014 and April 1, 2014.
- Board of Directors Workshop on April 14, 2014 and April 28, 2014.

#### LIST OF EXHIBITS:

Exhibit "A" – Resolution to Adopt Schedule of Rates and Charges  
Exhibit "B" – Proposed changes to the Schedule of Rates and Charges  
Exhibit "C" – Protest Letters received as of June 18, 2014



EXHIBIT "A"

RESOLUTION NO. 2013 -

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE  
RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA  
ADOPTING CHANGES TO THE SCHEDULE OF RATES AND CHARGES  
AS SET FORTH IN EXHIBIT "B" TO THE RULES AND  
REGULATIONS OF IRVINE RANCH WATER DISTRICT  
FOR WATER, SEWER AND RECLAIMED WATER SERVICE

WHEREAS, the Irvine Ranch Water District (IRWD) is a California Water District organized and existing under the California Water District Law, and all of the lands within the boundaries of said District are located in the County of Orange, State of California; and

WHEREAS, Sections 35423, 35470 and Section 35501 of the California Water Code empower the District to establish, print and distribute equitable rules and regulations and prescribe and collect rates or other charges for water and sewer service; and

WHEREAS, the Board of Directors of IRWD, by adoption of Resolution No. 2009-4 approved and adopted amended "Rules and Regulations of Irvine Ranch Water District for Water, Sewer, Recycled Water, and Natural Treatment System Service," effective February 9, 2009"; and

WHEREAS, Exhibit "B" of said Rules and Regulations sets forth Rates and Charges, which Exhibit "B" may be changed from time to time by adoption of changes to any of the rates and charges or any new rates and charges as may be established and set forth therein; and

WHEREAS, Section 21080(b) (8) of the Public Resources Code provides that the establishment, modification, structuring, restructuring or approval of rates, tolls, fares, or other charges by public agencies are exempt from the requirements of the California Environmental Quality Act (CEQA) provided that certain findings are made specifying the basis for the claim of exemption; and

WHEREAS, Article XIII B of the Constitution of the State of California, limiting local agencies' appropriations of proceeds of taxes, excludes user charges or fees or regulatory fees from the definition of proceeds of taxes, as long as such fees and charges do not produce revenue exceeding the costs reasonably borne in providing the regulation, product or service, and further excludes appropriations for debt service and appropriations for qualified capital outlay projects from appropriations subject to limitation; and

WHEREAS, the Board of Directors of IRWD deems it advisable and finds that it would be in the best interest of the District to amend or establish certain rates and charges, consistent with applicable constitutional and statutory requirements; and

WHEREAS, Article XIII D of the Constitution of the State of California provides that, in imposing or increasing any property-related fee or charge (which term was held by the

California Supreme Court in July, 2006, in the case *Bighorn-Desert View Water Agency v. Virgil*, to include charges for water delivery), an agency shall provide written notice by mail of the proposed fee or charge to the record owner of each identified parcel upon which the fee or charge is proposed for imposition, the amount, basis of calculating, and reason for such proposed fee or charge, and the date, time and location of a public hearing on the proposed fee or charge to be conducted not less than 45 days after the mailing of said notice, and Government Code Section 53755 provides for such notice to be given by mailing to the address where billing statements are customarily sent by the District;

WHEREAS, said mailed notice was given, setting Monday, June 24, 2013, at the hour of 5:00 p.m. of said day in the Board of Directors Room of Irvine Ranch Water District, 15600 Sand Canyon Avenue, Irvine, California, as the time and place for a public hearing on the proposed increases in property-related rates and charges and any proposed new property-related rates and charges set forth in Exhibit "A" to this resolution; and

WHEREAS, at the time set, the duly noticed public hearing was held and all persons interested were given an opportunity to be heard concerning the increases in property-related rates and charges and any proposed new property-related rates and charges;

WHEREAS, this Board of Directors has considered all protests presented to the District by owners of identified parcels against the proposed increases in property-related rates and charges and any proposed new property-related rates and charges;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of IRWD as follows:

Section 1. It is hereby found and determined that the number of written protests presented to the District against the proposed increases in property-related rates and charges and any proposed new property-related rates and charges has been tabulated and does not constitute a majority of the number of owners of identified parcels.

Section 2. It is hereby found and determined that the proposed changes to the Schedule of Rates and Charges are within the purposes set forth in Section 21080(b) of the Public Resources Code including but not by way of limitation, the purposes of (1) meeting operating expenses, (2) purchasing or leasing supplies, equipment or materials, (3) meeting financial reserve needs and requirements, and (4) obtaining funds for capital projects necessary to maintain service within existing areas, and therefore, that such changes are exempt from CEQA.

Section 3. It is hereby found and determined that the rates and charges of IRWD are imposed on the basis of demand as determined by measurements including water metering and meter size, equivalent dwelling unit sewage loads or sewage volume and strength characteristics, dwelling units, acreage or other demand-generation characteristics of properties requesting connection, and cost of service restoration, inspection and other services provided for all fees; that such rates, charges and fees are imposed upon the request for or use of services; and that the water user charges satisfy the criteria and requirements of Water Code Sections 370 *et seq.* relating to allocation-based conservation water pricing.

Section 4. It is hereby found and determined that relative to Article XIII B of the Constitution of the State of California, the user charges and fees and regulatory fees established or increased hereby do not produce revenues exceeding the costs reasonably borne in providing the regulation, product or service and/or are used for debt service or qualified capital outlay projects and accordingly do not constitute proceeds of taxes, the appropriation of which is limited under Article XIII B, and that the documentation used in making such determinations has been on file in the office of IRWD for not less than 15 days prior to the date hereof, pursuant to Section 7910 of the Government Code of the State of California.

Section 5. The new and/or revised rate(s), fee(s) and/or charge(s) as set forth in Exhibit "A" attached to this resolution and by this reference incorporated herein are hereby adopted, and the corresponding rate(s), fee(s) or charge(s), if any, as set forth in Exhibit B currently in effect, are hereby superseded. Staff is directed to incorporate the hereby adopted new and/or revised rate(s), fee(s) and/or charge(s) into Exhibit "B" to the Rules and Regulations.

Section 6. That the provisions of this Resolution shall be effective upon adoption.

Section 7. That the Secretary is hereby ordered and directed to post a certified copy of this Resolution in a public place within the Irvine Ranch Water District.

ADOPTED, SIGNED and APPROVED this 24<sup>th</sup> day of June, 2013.

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

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

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

By: \_\_\_\_\_



Exhibit "B"

***IRVINE RANCH WATER DISTRICT  
SCHEDULE OF RATES AND CHARGES***



***EFFECTIVE  
JULY 23, 2014***

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Section

1

Water System Charges

Monthly Water Service Charge

Customer Description					
Irvine Ranch and Los Alisos Rate Areas					
Residential detached, attached and apartments					See chart (ab)
Residential apartments and condominiums (master metered)					See chart (b)
Commercial, Industrial, Public Authority and Landscape					See chart (b)
Landscape recycled user					See chart (b)
Temporary water service connections					See chart (cb)
Orange Park Acres					
Residential and Non-Residential customers					See chart (d)
Meter Size	Flow in Gallons	Chart (a)	Chart (b)	Chart (c)	Chart (d)
5/8" or by 3/4" Disc	0-22	\$10.50 \$9.85	\$10.50 \$9.85	\$83.11 \$78.00	\$19.00 \$18.35
5/8" Disc	0-22				
3/4" Disc	0-22	\$15.55 -			
1" Disc	23-37	\$18.00 \$9.85	\$26.25 \$19.45	\$117.72 \$87.20	\$19.00 \$18.35
1 1/2" Disc	38-75	\$38.05 \$23.20	\$52.50 \$53.85	\$118.87 \$121.90	\$19.00 \$18.35
2" Disc	76-120	\$58.30 \$31.75	\$84.00 \$88.65	\$148.49 \$156.70	\$19.00 \$18.35
3" Compound	161-280		\$168.00 \$211.35	\$222.10 \$279.40	\$19.00 \$18.35
4" Compound	361-450		\$315.00 \$342.20	\$427.25 \$464.15	\$19.00 \$18.35
6" Compound	451-750		\$525.00 \$549.40	\$589.70 \$617.10	
8" Compound	1001-1450		\$1,010.65 \$1,226.65	\$921.35 \$1,118.30	
10" Compound	1451-1600		\$1,155.00 \$1,361.30	\$1,212.35 \$1,428.90	
14" Compound	2001-3500		\$1,837.50 \$2,099.70	\$1,830.20 \$2,091.35	
2" Turbo	120-160		\$110.25 \$118.85	\$173.30 \$186.80	
3" Turbo	281-360		\$252.00 \$272.95	\$314.50 \$340.65	
4" Turbo	751-1000		\$525.00 \$811.15	\$568.70 \$878.65	
6" Turbo	1601-2000		\$1,050.00 \$1,435.70	\$1,099.45 \$1,503.30	
8" Turbo	2001-3500		\$1,837.50 \$2,099.70	\$1,896.45 \$2,167.05	
10" Turbine	3500-5500		\$2,205.00 \$3,268.35	\$2,272.90 \$3,369.00	
2" Magnetic Meter	161-280		\$163.30 \$211.35	\$215.85 \$279.40	
4" Magnetic Meter	751-1000		\$652.60 \$811.15	\$706.90 \$878.65	
6" Magnetic Meter	1601-2000		\$1,468.45 \$1,435.70	\$1,537.60 \$1,503.30	
8" Magnetic Meter	2001-3500		\$2,611.35 \$2,099.70	\$2,695.10 \$2,167.05	
6" Propeller	1001-1450		\$708.75 \$1,226.65		
8" Propeller	1451-1600		\$945.00 \$1,361.30		
10" Propeller	1601-2000		\$1,260.00 \$1,435.70		
12" or 14" Propeller	2001-3500		\$1,771.90 \$2,099.70		
16", 18", or 20" Propeller	3501-5500		\$2,992.50 \$3,301.85		
Construction Meters			\$951.15		\$309.05 \$307.70
3 Main Line			\$133.05		
4 Main Line			\$266.45		
6 Main Line			\$499.40		
8 Main Line			\$599.40		
10 Main Line			\$798.85		

-Santiago rates migrating to IRWD rates

## Service Charges – Private Fire Protection Service

### 1. Service-Line Charge

FIRELINE CHARGES BY SERVICE AREA		
Rate Area	Monthly Service Charge	Commodity Charge
All Else	\$13.60/per diameter inch	NA
Former Los Alisos	\$9.50/per diameter inch	\$2.31/ccf
Former Santiago County Water District Rate Area	1"-1½" \$9.40	NA
	Others \$13.60/per diameter inch	

### 2. Fire Hydrant Charge

The monthly charge for private fire hydrant service shall be \$23.70 per hydrant. This charge includes water used for fire extinguishing purposes.

### 3. Fire Flow Testing

The District will charge a one-time fee of \$250.00 to administer fire flow tests.

### 4. Former Santiago County Water District Rate Area

\_\_\_\_\_ ~~Monthly private fire line service will be:~~

\_\_\_\_\_ ~~1 - 1 1/2" only~~      \_\_\_\_\_ ~~\$ 8.80~~

\_\_\_\_\_ ~~Larger meter(s) charge~~ \_\_\_\_\_ ~~\$ 13.60 per diameter inch~~

## Commodity Charges: Potable Water

### Irvine Ranch Rate Area

#### 1. Commodity Charge for Residential Detached Dwelling Units

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$0.88	0-40
Base Rate	\$1.34 <del>\$1.27</del>	41-100
Inefficient	\$3.91 <del>\$2.86</del>	101-1350
Excessive	\$6.22 <del>\$4.80</del>	151-131-200 160
Wasteful	\$12.60 <del>\$9.84</del>	201+ 161+

#### 2. Commodity Charge for Residential Attached Dwelling Units

(Base allocation x number of dwelling units)

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$0.88 <del>\$0.91</del>	0-400 40
Base Rate	\$1.34 <del>\$1.27</del>	41-100 41-100
Inefficient	\$3.91 <del>\$2.86</del>	101-130 101-150
Excessive	\$6.22 <del>\$4.80</del>	131-160 151-200
Wasteful	\$12.60 <del>\$9.84</del>	161+ 201+

#### 3. Commodity Charge for Apartments

(Base allocation x number of dwelling units)

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$0.88 <del>\$0.91</del>	0-40
Base Rate	\$1.34 <del>\$1.27</del>	41-100
Inefficient	\$3.91 <del>\$2.86</del>	101-130
Excessive	\$6.22 <del>\$4.80</del>	131-160
Wasteful	\$12.60 <del>\$9.84</del>	161+

#### 4. Commodity Charge for Commercial, Industrial, ~~and~~ Public Authority and Non-residential Mixed Usage

Tier	Rate/ccf	Percent of Allocation
Base Rate	\$1.34 <del>\$1.27</del>	0-100
Inefficient	\$3.91 <del>\$2.86</del>	101-110
Excessive	\$6.22 <del>\$4.80</del>	111-120
Wasteful	\$12.60 <del>\$9.84</del>	121+

## **Irvine Ranch Rate Area (Continued)**

### **5. Commodity Charge for Potable Landscape Irrigation (Acre Feet per Acre Basis)**

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$0.88 <del>\$0.91</del>	0-40
Base Rate	\$1.34 <del>\$1.27</del>	41-100
Inefficient	\$3.91 <del>\$2.86</del>	101-110
Excessive	\$6.22 <del>\$4.80</del>	111-120
Wasteful	\$12.60 <del>\$9.84</del>	121+

### **6. Charge for Non-Conforming Uses**

*Non-Conforming Use	Rate/ccf
Base Rate	\$ 6.22

*Non-Conforming Use	Rate/ccf
Base Rate	\$ 4.80

\* The non-conforming use charge shall be applied, as defined in IRWD's "Rules and Regulations", in addition to the applicable commodity charge.

## **Los Alisos Rate Area**

### **7. Commodity Charge for Residential Detached Dwelling Units**

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$1.51 <del>\$1.54</del>	0-40
Base Rate	\$2.31 <del>\$2.24</del>	41-100
Inefficient	\$3.91 <del>\$3.20</del>	101-130
Excessive	\$6.22 <del>\$4.80</del>	131-160
Wasteful	\$12.60 <del>\$9.84</del>	161+

### **8. Commodity Charge for Residential Attached Dwelling Units**

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$1.51 <del>\$1.54</del>	0-40
Base Rate	\$2.31 <del>\$2.24</del>	41-100
Inefficient	\$3.91 <del>\$3.20</del>	101-130
Excessive	\$6.22 <del>\$4.80</del>	131-160
Wasteful	\$12.60 <del>\$9.84</del>	161+

### **9. Commodity Charge for Apartments**

(Base allocation x number of dwelling units)

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$1.51 <del>\$1.54</del>	0-400-2
Base Rate	\$2.31 <del>\$2.24</del>	41-1003-4
Inefficient	\$3.91 <del>\$3.20</del>	101-1305-7
Excessive	\$6.22 <del>\$4.80</del>	131-1608-9

Effective 07/1/2013

Wasteful

\$12.60 ~~\$9.84~~

10+161+

**Los Alisos Rate Area (Continued)**

**10. Commodity Charge for Commercial, Industrial, Public Authority and Non-residential Mixed Usage**

Tier	Rate/ccf	Percent of Allocation
Base Rate	\$2.31 <del>\$2.24</del>	0-100
Inefficient	\$3.91 <del>\$3.20</del>	101-110
Excessive	\$6.22 <del>\$4.80</del>	111-120
Wasteful	\$12.60 <del>\$9.84</del>	121+

**11. Commodity Charge for Potable Landscape Irrigation (~~Acre Feet per Acre Basis~~)**

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$1.51 <del>\$1.54</del>	0-40
Base Rate	\$2.31 <del>\$2.24</del>	41-100
Inefficient	\$3.91 <del>\$3.20</del>	101-110
Excessive	\$6.22 <del>\$4.80</del>	111-120
Wasteful	\$12.60 <del>\$9.84</del>	121+

**12. Charge for Non-Conforming Uses**

*Non-Conforming Use	Rate/ccf
Base Rate	\$6.22 <del>\$4.80</del>

\* The non-conforming use charge shall be applied, as defined in IRWD's "Rules and Regulations", in addition to the applicable commodity charge.

**Orange Park Rate Area**

**13. Commodity Charge**

3/4" Meter Size	Rate/ccf	Allocation/Tier
Standard Tier I	\$1.86 <del>\$1.79</del>	0-10 ccf
Excess Tier II	\$2.20 <del>\$2.13</del>	11-40 ccf
Excess Tier III	\$2.75 <del>\$2.68</del>	41+ ccf

## Commodity Charges: Potable Water System - Agricultural

Water supplied under this section shall be used only for the growing or raising, in conformity with recognized practices of husbandry, for the purposes of commerce, trade, or industry, of agricultural, or floricultural products, and produced (1) for human consumption or for the market, or (2) for the feeding of fowl or livestock produced for human consumption or for the market, such products to be grown or raised on parcels of land having an area of not less than five acres utilized exclusively there for.

### 1. Commodity Charge:

Area	Rate/ccf	Per Acre Foot
Irvine Ranch Rate Area	<del>\$1.62</del> \$1.54	<del>0-100</del> \$705.70
Los Alisos Rate Area	<del>\$2.68</del>	<del>\$705.70</del> 1,167.40
Excessive	<del>\$5.81</del>	<del>111-120</del>
Wasteful	<del>\$11.96</del>	<del>121+</del>

### 2. ~~Los Alisos Rate Area~~

Tier	Rate/ccf	Percent of Allocation
<del>Base Rate</del>	<del>\$2.60</del>	<del>0-100</del>
<del>Inefficient</del>	<del>\$4.52</del>	<del>101-110</del>
<del>Excessive</del>	<del>\$7.21</del>	<del>111-120</del>
<del>Wasteful</del>	<del>\$11.70</del>	<del>121+</del>

## Commodity Charges: Nonpotable Water System ~~including~~ - Agricultural

### 1. Commodity Charge

The commodity charge for nonpotable ~~LP~~ water used for agricultural purposes (~~including agricultural irrigation, landscape irrigation, commercial usage, lake users and grading users of nonpotable water~~) shall be:

Area	Rate/ccf	Per Acre Foot
IRWD rate area	\$ 1.4221	\$ 487.90527.10

Non-potable water used for ~~Lake fillers used for landscape irrigation purpose:~~

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$0.79 \$0.82	0-40
Base Rate	\$1.19 \$1.11	41-100
Inefficient	\$2.56 \$2.48	101-110
Excessive	\$5.17 \$4.23	111-120
Wasteful	\$11.47 \$8.85	121+

The commodity charge for recycled water used for agricultural purposes (~~including agricultural and landscape irrigation~~) shall be:

AreaSource	Rate/ccf	Per Acre Foot
Recycled IRWD rate area	\$ 1.4419	\$ 483.50518.40

### 2. Santiago aqueduct Commission (SAC) Water

The commodity charge for nonpotable SAC water used for agricultural and non-agricultural (landscape irrigation, commercial and grading) purposes shall be:

Area	Rate/ccf	Per Acre Foot
Agricultural	\$1.66 \$1.57	\$ 683.90723.10
Non-Agricultural	\$1.58 \$1.50	\$ 653.40688.25

### 3. Surcharge

The District reserves the right to impose, based upon relevant factors, a surcharge to the basic commodity rate for nonpotable agricultural irrigation water.

### 4. ~~Seasonal Pricing Policy~~

~~The District may from time to time, at the discretion of the General Manager, implement a seasonal pricing structure that offers available supplies of untreated water at a discounted rate. The seasonal rate will be established by the Board of Directors.~~

## Commodity Charges: Nonpotable (Untreated) Water System- Non-Agricultural Landscape Irrigation

### 1. Commodity Charge

The commodity charge for nonpotable ~~LLP~~ water used for landscape irrigation (other than SAC water) ~~(acre-foot per acre basis) based on evapotranspiration (ET) for each microclimate:~~

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$0.79 <del>\$0.82</del>	0-40
Base Rate	\$1.19 <del>\$1.11</del>	41-100
Inefficient	\$2.56 <del>\$2.48</del>	101-110
Excessive	\$5.17 <del>\$4.23</del>	111-120
Wasteful	\$11.47 <del>\$8.85</del>	121+

## Commodity Charges: Recycled Water System Non-Agricultural Landscape Irrigation

### 1. Commodity Charge

Commodity charge for ~~nonpotable~~ recycled water used for landscape irrigation (~~acre foot per acre basis~~) based on ~~evapotranspiration (ET)~~ for each microclimate:

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$0.79 <del>\$0.82</del>	0-40
Base Rate	\$1.19 <del>\$1.14</del>	41-100
Inefficient	\$2.56 <del>\$2.48</del>	101-110
Excessive	\$5.17 <del>\$4.23</del>	111-120
Wasteful	\$11.47 <del>\$8.85</del>	121+

### 2. Recycled Loan Customers

The commodity charge for recycled loan customers (~~acre foot basis~~):

Tier	Rate/ccf	Percent of Allocation
Low Volume	\$0.88 <del>\$0.91</del>	0-40
Base Rate	\$1.34 <del>\$1.27</del>	41-100
Inefficient	\$3.91 <del>\$2.86</del>	101-110
Excessive	\$6.22 <del>\$4.80</del>	111-120
Wasteful	\$12.60 <del>\$9.84</del>	121+

## Commodity Charges: Recycled Water System - Commercial/Industrial

### 1. Commodity Charge for Commercial and Industrial

Tier	Rate/ccf	Percent of Allocation
Base Rate	\$0.80 <del>\$0.76</del>	0-100
Inefficient	\$2.35 <del>\$1.67</del>	101-110
Excessive	\$3.73 <del>\$2.82</del>	111-120
Wasteful	\$7.56 <del>\$5.94</del>	121+

### 2. Commodity Charge for Commercial and Industrial Loan Customers

Tier	Rate/ccf	Percent of Allocation
Base Rate	\$1.34 <del>\$1.27</del>	0-100
Inefficient	\$3.91 <del>\$2.86</del>	101-110
Excessive	\$6.22 <del>\$4.80</del>	111-120
Wasteful	\$12.60 <del>\$9.84</del>	121+

# Allocations and Variances

## 1. Base Allocations for Commodity Charges

Monthly allocation includes a fixed component for indoor usage and a variable component based on evapotranspiration (ET) rate for landscape irrigation.

Account Type	Base Allocation Number of Residents	Landscape Area (LA)	Base Allocation Indoor	Base Allocation Outdoor	Total Allocation
Residential Detached	4	1300 sq. ft (0.03 acres)	# Residents x 505 gpd	ET x Kc x 1.40 x LA	(Indoor x # days in bill service period) + Outdoor
Residential Attached*	3	435 sq. ft (0.01 acres)	# Residents x 505 gpd	ET x Kc x 1.40 x LA	(Indoor x # days in bill service period) + Outdoor
Apartments*	2	N/A	# Residents x 505 gpd		Indoor x # days in bill service period
Irrigation		Site specific based on irrigated acreage	N/A	ET x Kc x 1.40 x LA	Outdoor based on bill service period
Commercial, Industrial, Institutional			Site specific, based on productivity, employees, water use efficiency practices etc.	Site specific, based on irrigation needs	Site specific, adjusted for # days in bill service period

\*For master-metered apartments and condominiums, the base allocation is multiplied by the number of dwelling units.

**gpd** = gallons per day

**CCF** = 100 cubic feet. 1 CCF = 1 billing unit = 748 gallons

**ET** (evapotranspiration) – from IRWD weather stations located in coastal, central or foothill zones

**Kc** (crop co-efficient) – relative amount of water warm-season turf needs at various times of the year

**1.40 irrigation system efficiency** – extra water to make up for inefficiencies in the irrigation system

**LA** = landscape acreage. Assumes that 100% of the landscape is warm-season turf-grass

## 2. Variances from Ascending Tiered Rate Allocations

Water allocations are based on the number of residents, landscape square footage and actual daily weather and evapotranspiration (ET) data for each of three microclimates within the District rate area. Variances are available for larger than normal landscaped areas, more people living in the home or special medical needs.

### Procedure

See IRWD Rules and Regulations, Section 12.6

### 3. Grounds for Variance

Proof acceptable to the District will be required for each ground(s) of variance.

**a. Number of people residing in a residential dwelling unit.**

Each additional person increases the base by 1.68 ccf/month (indoor usage factor x 0.8)

**b. Landscape**

Increased allocations shall be given for residential lot size beyond the standard base allocation lot size. It is the obligation of the customer to provide to the District acceptable documentation of the actual irrigated landscape area served.

**c. Medical Needs**

- Approval is contingent upon medical documentation.
- Increased allocation will be determined on a case by case basis and based on the type of medical need.

**d. Licensed Care Facilities (in a residential dwelling unit)**

- A current license from appropriate regulatory agency will be required.
- A licensed 24-hour care facility will be allocated increases based on the additional people per dwelling unit formula at 1.8-6 ccf per month per additional person.
- A licensed day care facility (not 24-hour) will be granted one ccf per additional person, or one third of the allotment (rounded to the next highest ccf) of the licensed 24-hour care facility.
- Additional allocation for medical reasons will be determined on a case by case basis.

**e. Fire Control Zones**

- ~~Increases~~ Adjustments to allocations will be determined by the District based upon relevant factors such as area, slope, planting material, etc.

**f. Commercial/Industrial/Public Authority**

- ~~Increases~~ Adjustments to the base allocation will be determined on a case by case basis. Relevant factors —will include expansion of productive capacity, existing conservation practices that can be shown to have reduced water usage, severe economic hardship, etc.

**g. New Account Establishment Variance**

Landscape Accounts - will be placed on conservation base rate for the first six months.

Commercial and Industrial Accounts - will be placed on conservation base rate for the first six months.

### 4. Limitations

**a.** An approved variance will become effective on the date the request for variance is submitted to the District, but must be submitted within thirty (30) days of receipt of the bill.

**b.** Approvals are valid for a period specified by the District (one year or less), and must be resubmitted on or before the expiration date to remain in effect.

## **5. Effect of Increased Allocations**

### **a. Residential:**

Approved variances will extend each tier of the residential structure, ~~excluding the low volume tier,~~ by the ~~number of increased cefs~~ by a percentage.

### **b. Non-Residential:**

Approved variances will extend each tier of the non-residential structure by a given percentage (or other method) determined on a case by case basis.

## Pumping Surcharges

### 1. Potable Water Pumping Surcharges

A surcharge will be added to the commodity rate of those users who reside at higher elevations and cause the District to incur additional pumping costs to supply their water. The surcharge is based upon prevailing energy costs.

Zone Name	Surcharge/ccf
Zone 4	\$ 0.17
Coast Zone 4	\$ 0.16
Zone 6	\$ 0.18
Zone 6A	\$ 0.25
Coast Zone 6	\$ 0.29
Zone 7	\$ 0.42
Zone 8	\$ 0.28
Zone 9	\$ 0.32
Los Alisos Zone 3	\$ 0.18

### 2. Recycled Water Pumping Surcharges

A surcharge will be added to the commodity rate of those users who reside at higher elevations and cause the District to incur additional pumping costs to supply their water. The surcharge is based upon prevailing energy costs.

Zone Name	Surcharge/ccf
Zone D	\$ 0.16
Zone D (Quail Hill Zone B)	\$ 0.16
Zone G	\$ 0.29
Zone H	\$ 0.42

## Temporary Water Service Connection

### 1. Monthly Service Charge

See Chart C on page 4.

### 2. Commodity Charge

Wherever feasible, recycled water shall be used for temporary construction uses. The Commodity Charge shall be as follows:

Irvine Ranch Rate Area – Potable	\$ 1.7888/ccf
Recycled – All rate areas	\$ 1.6069/ccf
Former Orange Park Acres Rate Area – Potable	\$ 1.8595/ccf
Former Los Alisos Rate Area– Potable	\$ 2.6471/ccf

### [CS1] 3. Meter Deposit

A deposit equal to the replacement cost of the construction meter shall be collected at the time of service application. For FY 20143-154, this is estimated to be \$1,025.00. The deposit will be applied to the closing bill and any remaining amount refunded to the customer. Lost meters will result in forfeiture of deposit.

### 4. Materials for Repairing Damaged Construction Meters

	Cost
Eddy Valve (2")	\$ 200.00
Eddy Valve (3")	\$ 380.00
Meter, complete	\$ 1,012.00
Swivel Adapter	\$ 158.00
Register	\$ 113.00
Male Fitting	\$ 95.00
Female Attachment	\$ 158.00
Lock & Chain	\$ 30.00
Chain (per five-foot length)	\$ 11.00
Lock	\$ 15.00
Handle (main case)	\$ 323.00
Hydrant Collar	\$ 100.00
Rotor	\$ 94.00
Rotor Cap	\$ 27.00
Collar (with barrel lock)	\$ 106.00
Barrel Lock	\$ 6.00
Stores Clearing	40% of total parts billed
Labor & Overhead	\$ 120.00
Meter Body only	\$ 323.00
Meters	At cost

(1) Santiago rates migrating to IRWD rates

### ~~5. Replacement Costs for Residential Customers Who Destroy District Property~~

	Cost
5/8" meter	\$ 41.00
3/4" meter	\$ 64.00
1" meter	\$ 93.00
1-1/2" meter	\$ 218.00
2" meter	\$ 298.00

## **New Account Fees for Water Service**

This section is applicable to all requests for new or transferred service.

### **1. Charges**

A fee of \$1720.00 shall be collected to establish a new account for water and sewer service, or to transfer an existing account to a new location.

### **2. Residential Deposit**

For residential customers, a deposit of \$50.00 may be required until a one year payment history is established.

### **3. Non-Residential Deposit**

A deposit of \$100.00 is required until a one year payment history is established.

## Delinquency and Service Restoration Charges

All bills and charges for water and; sewer and recycled water service shall be due and payable upon presentation and shall become delinquent twenty-five (25) calendar days thereafter.

### 1. Delinquency Charges

If payment is not made within twenty-five (25) days after presentation, a late charge will be levied upon the unpaid balance as follows:

For residential and non-residential accounts with an unpaid balance of \$10 or more, a one-time charge of 10% of the unpaid balance plus 1.5% interest will be assessed, and each month thereafter the unpaid balance will be subject to an interest charge of 1.5%.

### 2. Restoration-Trip Charges

When service is discontinued because of delinquency in payment of a water, sewer, or recycled water bill, the service shall not be restored until all charges, including a restoration-trip charge, have been paid.

- (a) **Restoration-Trip Charge During Normal Working Hours:** The restoration-trip charge applicable for work requested to be performed during normal working hours of the District will be \$70.00.
- (b) **Restoration-Trip Charge After Normal Working Hours:** The restoration-trip charge applicable for work —requested to be performed after normal working hours of the District will be \$95.00.

### 3. Non-Sufficient Funds Checks

A \$20.00 service fee will be charged for each check returned from the bank for non-sufficient funds.

Section

# 2

## Wastewater System Charges

### Monthly Wastewater Service Charges

<b>Residential</b>	
<b>(a) Single Family and Multi-family Dwelling Units</b>	
<u>AVERAGE MONTHLY WATER USE</u>	<u>SERVICE CHARGE PER MONTH</u>
Over 1000 cubic feet (10 ccf)	• 100% rate = \$ <del>48.40</del> 20.50 per unit
501-1000 cubic feet (5.01-10.0 ccf)	• 90% rate = \$ <del>46.55</del> 18.45 per unit
0-500 cubic feet (0-5.0 ccf)	• 75% rate = \$ <del>43.80</del> 15.40 per unit
(1) Monthly service charge based upon actual water meter readings during the twelve month period ending December 31. (2) To qualify for the reduced rates a customer must have usage history for a full calendar year.	
<u>SERVICE CHARGE PER MONTH</u>	
<b>(b) Multiple Family Dwelling Units</b>	• \$ <del>43.80</del> 15.40 per unit
(1) No credit will be granted for vacancies resulting from the normal turnover of occupants in an existing multiple dwelling unit. The price structure contained herein includes considerations of average vacancy rates.	
(2) A newly constructed multiple dwelling unit may be billed at the non-residential metered rate, with appropriate allowance for landscape irrigation, until the structure is substantially occupied.	
<b>(c) Single or Multiple Family Dwelling Units</b>	
<u>SERVICE CHARGE PER MONTH</u>	
(1) Portola Hills	• \$ <del>20.50</del> <del>48.40</del> per unit
(2) Collection charge <del>for</del> in Newport Coast (assumes 10.0 ccf)	• \$ <del>6.70</del> 7.20 per unit
<b>NON-RESIDENTIAL – CLASS II</b>	
Quantity charges are based on the supposition that 90 percent (90%) of non-residential water consumption returns to the sewer. Because of landscape irrigation or consumptive usage, some non-residential users may discharge substantially less of their metered water into the wastewater system. Those users may, upon request to the District, be permitted to have the amount of water being discharged into the sewer determined by means acceptable to the District.	
<b>(a) Shall apply to all commercial, industrial and institutional users whose consumption is equal to or less than an average of 10 ccf per month.</b>	<u>SERVICE AND QUANTITY CHARGE PER MONTH</u>
	• Service charge – \$ 20.50 <del>48.40</del>
	• Quantity charge beyond 10 ccf - \$ 2.44 <del>35</del> /ccf
(1) To qualify for this rate, a customer usage history based upon actual water meter readings is not greater than 120 ccf in a full calendar year.	
<b>(b) Shall apply to all commercial, industrial and institutional users whose consumption is in excess of 10 ccf per month.</b>	<u>SERVICE /QUANTITY/COMMODITY CHARGE PER MONTH</u>
	• Service charge - \$20.50 <del>48.40</del>
	• Quantity charge beyond 10 ccf - \$2.44 <del>35</del> /ccf
	• Industrial Waste Charge - \$0.40 <del>31</del> 15/ccf
	=
<b>(c) Portola Hills customers</b>	<u>SERVICE AND QUANTITY CHARGE PER MONTH</u>
	• Service charge - \$20.50 <del>48.40</del>
	• Quantity charge beyond 10 ccf - \$2.44 <del>35</del> /ccf

## Non-Residential Class I Wastewater

This section shall be applicable to non-residential and Class I customers who discharge extra-strength wastewater into the wastewater system, or discharge or have the potential to discharge constituents subject to federal or state standards and local discharge limitations.

### 1. Discharge Limits

The limits in this table are local limits. Customers subject to federal categorical pretreatment standards may be required to meet more stringent limits.

Constituent	Concentration Limit in mg/L
Arsenic	2.00
Cadmium	1.00
Chromium	2.00
Copper	3.00
Lead	2.00
Mercury	0.03
Nickel	10.00
Silver	5.00
Zinc	10.00
Cyanide (Total)	5.00
Cyanide (Amenable)	1.00
Polychlorinated Biphenyls	0.01
Pesticides	0.01
Total Toxic Organics	0.58
Sulfide (Total)	5.00
Sulfide (Dissolved)	0.50
Oil and grease of mineral or petroleum origin	100.00

### 2. Appeals to the Board of Directors

Appeal fee - \$500

### 3. Charges and Fees

Basic Service and Quality Charge

The Class I charge for use shall be computed by the following formula:

$$\text{Charge for use} = VR_v + BR_b + SR_s$$

Where V = Total volume of flow in hundred cubic feet.

B = Total discharge of biochemical oxygen demand (BOD) in pounds.

S = Total discharge of suspended solids (SS) in pounds

R<sub>v</sub> = \$ 1.220-359 per hundred cubic feet

R<sub>b</sub> = \$ 0.340-379 per pound of BOD

R<sub>s</sub> = \$ 0.296-330 per pound of SS

#### **4. Fees for Noncompliance with Permit Conditions**

##### **a. Minor Violation**

Condition where the limitation is less than the violation and the violation is less than the technical review criterion.

Fee per violation - \$350

##### **b. Significant Noncompliance or Significant Violation**

Condition where the violation is greater than the technical review criterion or qualifies under the definition of significant noncompliance.

Fee per violation - \$550

##### **c. Batch Dump or Slug Load**

Fee per violation - \$550

##### **d. Probation Orders**

Enforcement Compliance Schedule Agreements and subsequent two year probation, and Regulatory Compliance Schedule Agreements.

Fee per violation - \$550

##### **e. Fats, Oils, and Grease (FOG) Control Programs Fees**

###### **FOG Binder:**

The FOG Program Binder must be available during an inspection. Failure to locate the binder during an inspection, whether misplaced or lost, will trigger the issuance of a new FOG Binder. The \$50.00 replacement cost will be billed to the Food Service Establishment (FSE) at the time of replacement.

###### **Permitting Fees:**

A FOG Wastewater Discharge Permit of two-year duration is \$200.00.

###### **Service Call and Follow Up Inspection Fees:**

The General Non-Compliance Fee for District follow-up activities due to permit, ordinance, or regulatory non-compliance is \$100.00 per event.

###### **Significant Non-Compliance Fees:**

A condition where the violation continues after 45 days of notification to the FSE, the fee is \$550.00 per violation and \$550.00 every 45 days thereafter.

## Section

## 3

## Developer Services

## Water Connection Fees

## Residential

	<u>IMPROVEMENT DISTRICT</u>	<u>0-5.8 DUs/acre</u>	<u>5.9-10.8 DUs/acre</u>	<u>10.9-25.8 DUs/acre</u>	<u>25.9-40.0 DUs/acre</u>
Connection Fees Per Dwelling Unit	101*	\$3,505	\$3,092	\$2,618	\$2,212
	112	\$1,000	\$1,000	\$1,000	\$1,000
	113	\$2,435	\$2,435	\$2,435	\$2,435
development shall be gross	125	\$2,500	\$2,500	\$2,500	\$2,500
acres excluding private parks.	153	\$1,836	\$1,836	\$1,836	\$1,836
	153 PA 30	\$3,431	\$3,431	\$3,431	\$3,431
	185	\$2,468	\$2,468	\$2,468	\$2,468
	188	\$1,400	\$1,400	\$1,400	\$1,400
	All others*				

## Commercial, Industrial and Public Authority – Office Building

	<u>IMPROVEMENT DISTRICT</u>	<u>Commercial</u>	<u>Industrial</u>	<u>Public Authority</u>
Connection Fees Per Gross Acre	101*	\$19,446	\$29,618	\$19,446
	112	\$6,500	\$6,500	\$6,500
	113	\$17,785	\$0	\$8,892
	125	\$12,400	\$17,603	\$12,400
	153	\$9,648	\$13,696	\$9,648
	PA 30	\$17,025	\$24,167	\$17,025
	185	\$11,533	\$11,533	\$11,533
	188	\$5,526	\$5,526	\$5,526
	All others*			

## Parks, Churches and Commercial Recreational Facilities

	<u>IMPROVEMENT DISTRICT</u>	<u>Indoor Water Use</u>	<u>Outdoor<sup>(1)</sup> Water Use</u>
Connection Fees Per Fixture Unit	101*	\$60.90	\$214.31
(1) As calculated per UPC as revised.	125	\$41.22	\$144.45
	153	\$32.11	\$112.54
	PA 30	\$56.62	\$198.46
	185	\$66.34	\$233.01
	188	\$27.61	\$97.13
	All others*		

\*Connection fees will be set by the Board of Directors upon request for initial service for each such improvement

## Schools (Public and Private)

	<u>IMPROVEMENT DISTRICT</u>	<u>Primary &amp; Intermediate</u>	<u>Secondary</u>	<u>Primary Intermediate &amp; Secondary</u>
Connection Fees Per	101*	\$4,799.18	\$6,436.40	\$206.17
100 Students Average Daily Attendance	125	\$3,241.25	\$4,352.01	\$145.07
	153	\$2,525.16	\$3,390.52	\$113.02
<sup>(2)</sup> Minimum required	PA 30	\$4,453.08	\$5,979.12	\$199.30
	185	\$5,005.35	\$7,015.21	\$224.91
	188	\$2,524.95	\$3,378.72	\$107.82

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All others\*

\*Connection fees will be set by the Board of Directors upon request for initial service for each such improvement district.

### High Volume User – Commercial and Industrial

This section shall apply to all non-residential applicants in addition to standard connection fees in all improvement districts.

Connection Fee Formula	Additional High Volume Water User Connection Fee = <u>[Est. GPD use – (no. acres x use factor*)] x \$1,095,229/cfs</u> 646,320 gal/day/cfs	
*Non-Residential Water Use Factor	<u>Land Use Category</u>	<u>Water Use Factors</u> <u>(Gal/Acre/Day)</u>
	Commercial	2,000.00
	Industrial	4,000.00
	UCI	Special Contract
Definitions	<u>Commercial</u> : Commercial development including retail and offices <u>Industrial</u> : Industrial development including manufacturing, research and development, and distributorships	

**Service Installations by District**

1. The District may install individual domestic or fire services upon request. The cost for each service will be based on an estimate prepared by District personnel. The requestor will provide a written request accompanied by a drawing to show the location of the proposed service. The District will provide their an estimate to the requestor and when the check is received from the requestor the work order will be forwarded to the District crews for installation and coordination.

Meter installation charges are as follows: (customer provides the service and the meter box)

<u>Meter size</u>	<u>Cost</u>
5/8" x 3/4"	\$55130.00*
5/8" x 3/4"	\$80.00 for individual meters and bypass meters on DDCA
3/4"	\$105200.00
1"	\$175250.00
1-1/2"	\$290450.00
2" Disc	\$740750.00
2" Turbo	\$7401,300.00
3" Turbo	\$1,025500.00
4" Turbo	\$4,8902,800.00

\*(Developer installed-Residential only)

Costs for larger meters will have to be determined at the time of request from Purchasing Dept. Cost of meter includes the strainer if not already built-in to the meter.

2. If a meter is downsized on a 2" or smaller service lateral there will be no additional charge or refund. If the meter is downsized from a 3" or larger meter, the charge will be based on the service installation charge less the salvage value of the materials recovered from the larger service. Customer will be responsible for any plumbing modifications downstream of the water meter.
3. If a meter is to be upsized from 5/8" X 3/4" to 1", the angle stop will need to be replaced. The cost for District staff to do this work is \$2,000.00 and will be collected along with the standard 1" meter cost. Customer will be responsible for any plumbing modifications downstream of the water meter.

**Plan Check and Inspection Fees**

Plan check and inspection fees for water systems shall be calculated as 8% of the bondable cost for the off-site, public, potable or recycled water system or a fixed fee as described below:

- |   |          |
|---|----------|
| 1. Installation of a 1" or 2" service       | \$400.00 |
| 2. Removal of a 1" or 2" service            | \$400.00 |
| 3. Installation of a 4" or larger service   | \$700.00 |
| 4. Installation or replacement of Fire DDCA | \$500.00 |

A non-refundable deposit of 5% of the estimated cost of the public potable or recycled water system is required with the submittal of the first plan check to cover the costs of plan checking. The total fee is due and payable prior to final plan approval.

**Non-Digital Submittal Surcharge**

A surcharge fee, calculated as 2% of the bondable cost for the potable or recycled water system will be charged for any plans not submitted with a digital format. The fee is due and payable prior to final approval of the plans.

**Interim Water Service Charge – New Developments**

A one-time charge of \$35.10 per connection to each pad in a new tract and/or development will be made to builders and developers for unmetered water service available for that period of time after in-tract lines have been connected to the District's water system until the new customer begins metered water service.

~~Custom lots will be charged \$164.50 per lot due to the extended construction period.~~ Unmetered water service is not permitted for custom lots. Developers for custom lots will be required to apply for a domestic water construction meter prior to starting construction.

## Sewer Connection Fees

### Residential

	IMPROVEMENT DISTRICT	0-5.8 DUs/acre	5.9-10.8 Dus/acre	10.9-25.8 Dus/acre	25.9-40.0 Dus/acre
Connection Fees Per Dwelling Unit	1 (201)*	\$6,223	\$5,538	\$4,558	\$3,596
	212	\$4,725	\$4,725	\$4,725	\$4,725
	213	\$4,260	\$4,260	\$4,260	\$4,260
Total acreage for any given development shall be gross acres excluding private parks.	240	\$3,433	\$3,433	\$3,433	\$3,433
	225	\$2,700	\$2,700	\$2,700	\$2,700
	253	\$2,134	\$2,134	\$2,134	\$2,134
Parks.	253 PA 30	\$3,581	\$3,581	\$3,581	\$3,581
	256	\$24,500	\$24,500	\$24,500	\$24,500
	285	\$4,410	\$4,410	\$4,410	\$4,410
	288	\$2,400	\$2,400	\$2,400	\$2,400
	OPA1 (Ridgeline)	\$4,200	\$4,200	\$4,200	\$4,200
	All others*				

### Commercial, Industrial and Public Authority – Office Building

	IMPROVEMENT DISTRICT	Commercial	Industrial	Public Authority
Connection Fees Per Gross Acre	1 (201)*	\$34,874	\$60,845	\$34,874
	212	\$28,240	\$28,240	\$28,240
	213	\$25,380	\$0	\$12,597
	240	\$15,678	\$0	\$15,678
	225	\$13,200	\$21,904	\$13,200
	253	\$9,794	\$16,252	\$9,794
	253 PA 30	\$15,966	\$26,493	\$15,966
	285	\$8,831	\$8,831	\$8,831
	288	\$9,474	\$9,474	\$9,474
	All others*			

### Parks, Churches and Commercial Recreational Facilities

	IMPROVEMENT DISTRICT	Fee
Connection Fees Per Fixture Unit	1 (201)*	\$385.84
	240	\$233.24
	225	\$206.89
	253	\$153.50
	253 PA 30	\$250.23
	288	\$62.86
	All others*	

\*Connection fees will be set by the Board of Directors upon request for initial service for each such improvement district.

### Schools (Public and Private)

	IMPROVEMENT DISTRICT	Primary & Intermediate	Secondary
Connection Fees Per	1 (201)*	\$18,283	\$24,381
100 Students Average Daily Attendance	240	\$11,024	\$14,701
	225	\$9,720	\$12,960
	253	\$7,212	\$9,616
	253 PA 30	\$11,757	\$15,676
	288	\$3,026	\$4,033
	All Others*		

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## Sewer Installation Charges

1. A \$100 inspection fee will be charged for sewer laterals installed by the applicant, at no cost to the District, in accordance with District approved plans. The fee is to be paid prior to the approval of the plan for the sewer lateral.
2. The plan check and inspection fee for public sewer systems will be calculated as 10% of the bondable cost for the public sewer system or a fixed fee as described above. A non-refundable deposit of 5% of the estimated cost of the sewer system is required with the submittal of the first plan check. The total fee will be due and payable prior to final approval of the plans.

## Non-Digital Submittal Surcharge

A surcharge fee, calculated as 2% of the bondable cost for the public sewer system will be charged for any plans not submitted with a digital format. The fee is due and payable prior to final approval of the plans.

## District Closed Circuit Television Inspection Charges

### Initial TV Inspection Fee

A fee of \$.60 per linear foot as measured from the center line of manholes will be charged for all 6-inch and larger sewer lines to be inspected by a closed circuit television camera. The District will furnish the special camera equipment and manpower to fulfill this inspection requirement. This fee is to be paid along with the other connection, meter, and inspection fees prior to the District signing developer's tract utility plans.

### Reinspection

Fees for Reinspection by District TV Crew after corrective work is completed. Those portions of the pipeline system that have

1. ~~4.~~ District fees for retelevising corrective work will be a flat set-up fee of two hundred fifty dollars (\$250.00) plus \$.60 per foot of sewer line reinspected measured centerline to centerline of manholes.
2. ~~2.~~ Payment for retelevising estimated inspection fees must be received by the District Engineering Inspection Division prior to scheduling the reinspection. Retelevising will not be done until the fees are paid.

### Cancellation of District's TV Inspection

If it is determined by either the Contractor or Developer that the job site will not be ready or accessible for the television inspection on the scheduled date, as notified, the Contractor shall notify the District Inspection Division of the necessary cancellation at least 24 hours in advance of the scheduled inspection to avoid being charged a cancellation fee.

1. \_\_\_\_\_ 1. If the [ television inspection.
2. \_\_\_\_\_ 2. A rescheduled inspection is to be made through the District's project inspection division.

### Optional Developer TV Inspection

If the Contractor or Owner desires to have a portion of, or the entire job, TV inspected for his convenience, he will be charged a fee of one hundred fifty dollars (\$150.00) plus \$.60 per foot of sewer line inspected measured centerline to centerline of manholes.

**Exhibit B: History of Revisions to Schedule of Rates and Charges**

DATE ADOPTED	RESOLUTION	REVISION	EFFECTIVE DATE
05-23-77	1977-49	Rescind 1973-48 & 1977-42	
08-29-77	1977-71	Change in Connection Charges	09-01-77
02-27-78	1978-31	Rescind 1977-71	
		Discontinue Water & Sewer Service	03-01-78
07-10-78	1978-135	Rescind 1978-31	07-10-78
08-28-78	1978-154	Rescind 1978-135	08-28-78
01-08-79	1979-02	Rescind 1978-154	
		Increase Connection Fees	08-28-78
		Increase Water Commodity Charges	01-08-79
06-25-79	1979-25	Rescind 1979-02	
		Increase Water & Sewer Charges	07-01-79
07-30-79	1979-41	Rescind 1979-25	07-30-79
06-23-80	1980-28	Rescind 1979-41	07-01-80
08-25-80	1980-49	Rescind 1980-28	08-25-80
12-22-80	1980-77	Rescind 1980-49	
		Increase Connection Fees	07-01-80
		Increase Wastewater System Charges	01-01-81
06-15-81	1981-103	Rescind 1980-77	07-13-81
07-13-81	1981-132	Rescind 1981-103	07-13-81
06-28-82	1982-48	Rescind 1981-132	
		Increase Connection Fees & Water & Sewer Rates	07-01-82
09-27-82	1982-61	Rescind 1982-48	10-01-82
11-22-82	1982-67	Rescind 1981-61	12-01-82
06-27-83	1983-116	Rescind 1982-67	07-01-83
11-21-83	1983-137	Rescind 1983-116	
		Increase Delinquency Charges	10-01-82
		Increase High-rise Connection Fees	12-01-82
		Increase Increase	07-01-83
		Increase Dom. Water Rates & ImPLY. Mod. Sewer Rates	01-01-84
12-12-83	1983-132	Rescind 1983-131	
		High-rise Connection Fees (Sewer)	01-01-84
04-23-84	1984-13	Rescind 1983-132	
		Untreated & Recycled Water For Ag Use Commodity Charges Increase	06-01-84
06-25-84	1984-22	Rescind 1984-13	
		Decrease Water & Sewer Charges, Increase Connection Fees	07-01-84
09-10-84	1984-43	Rescind 1984-22	10-01-84
01-28-85	1985-2	Rescind 1984-43	02-01-85
02-25-85	1985-7	Rescind 1985-2	02-25-85
03-25-85	1985-31	Rescind 1985-7	03-25-85
		Reduce Connection Fees I.D. 103 & 3(203)	03-25-85
06-24-85	1985-37	Rescind 1985-31	
		Decrease Water & Sewer Chgs. Change Recycled Landscape Charge	07-01-85
12-16-85	1985-115	Rescind 1985-37	01-01-86
06-23-86	1986-28	Rescind 1985-115	07-01-86
03-23-87	1987-11	Rescind 1986-28	04-01-87
		High Volume Connection Fees	04-01-87

Continued

DATE ADOPTED	RESOLUTION	REVISION	EFFECTIVE DATE
06-22-87	1987-27	Rescind 1987-11	Increase R-W; Nonpotable Ag 07-01-87
08-10-87	1987-44	Rescind 1987-27	Reduce Connection Fees I.D.'s 103,3(203), 102(120)121 & 106(160)161 07-10-87
09-28-87	1987-49	Rescind 1987-44	Industrial Waste Program 10-01-87
01-25-88	1988-18	Rescind 1987-49	Add Portola Hills Sewer Serf. 02-01-88
			Add Water Pumping Surcharge
06-27-88	1988-61	Rescind 1988-18	Reduce Monthly Sewer Charge 07-01-88
08-22-88	1988-66	Rescind 1988-61	Adjust Connection Fees 08-23-88
06-26-89	1989-38	Rescind 1988-66	Reduce Monthly Sewer Charge 07-01-89
			Reduce Recycled Landscape
			Increase Untreated and Recycled Ag Rates
08-28-89	1989-58	Rescind 1989-38	Adjust Connection Fees 08-28-89
06-26-90	1990-20	Rescind 1989-58	Reduce Monthly Sewer Charge 07-01-90
			Reduce Untreated and Recycled Ag Rates
07-23-90	1990-24	Rescind 1990-20	Adjust Connection Fees 07-23-90
01-28-91	1991-05	Rescind 1990-24	Eliminate High Rise and Adjust Connection Fees
			Add Excessive Use Surcharge 02-01-91
04-22-91	1991-09	Rescind 1991-05	Ascending Block Rate Structure and Request for Variance 06-01-91
05-28-91	1991-13	Rescind 1991-9	Commodity Rates for Landscape Customers 06-01-91
06-10-91	1991-19	Rescind 1991-13	Commodity Rates for Ag., Untreated Landscape, Portola Hills Sewer Rates and Coastal Recycled Rates 07-01-91
07-12-91	1991-37	Rescind 1991-19	Adjust Connection Fees 07-12-91
10-28-81	1991-46	Rescind 1991-37	Increase Ag Water Rate 10-28-91
04-30-92	1992-12	Rescind 1991-46	Modify Ascending Block Rate Structure 04-30-92
06-22-92	1992-22	Rescind 1991-13	Modify Ascending Block Rate Structure 07-02-92
09-28-92	1992-40	Rescind 1992-22	Adjust Connection Fees 09-28-92
01-25-93	1993-3	Rescind 1992-40	Landscape Irrigation Rates 02-01-93
03-04-93	1993-8	Rescind 1993-3	Modify Ascending Block Rate Structure 04-01-93
06-28-93	1993-22	Rescind 1993-8	Increase Water Rate and Reduce Monthly Sewer Charge 07-01-93
07-28-93	1993-26	Rescind 1993-22	Decrease Water Rates 08-01-93
09-13-93	1993-29	Rescind 1993-26	Adjust Connection Fees 09-14-93

Continued

DATE ADOPTED	RESOLUTION	REVISION	EFFECTIVE DATE	
06-13-94	1994-10	Rescind 1993-29	Increase Water Rate	07-01-94
08-08-94	1994-18	Rescind 1993-10	Adjust Connection Fees	08-08-94
08-14-95	1995-20	Rescind 1994-18	Adjust Connection Fees	08-14-95
08-28-95	1995-24	Rescind 1995-20	Adjust Pumping Surcharges	10-01-95
09-25-95	1995-27	Rescind 1995-20	Adjust Connection Fees and	09-25-95
09-25-95	1995-27	Rescind 1995-24	Adjust Pumping Surcharges	11-01-95
10-23-95	1995-31	Rescind 1995-27	Adjust Pumping Surcharges	11-01-95
11-27-95	1995-35	Rescind 1995-31	Add Monthly Sewer Service Charge - Newport Coast	12-01-95
01-08-96	1996-3	Rescind 1995-35	Adjust Connection Fees to I.D. 240	01-08-96
06-10-96	1996-19	Rescind 1996-3	Adjust Pumping Surcharges Increase Nonpotable Water Charges and Modify Ascending Block Rate Allocations	07-01-96
08-12-96	1996-27	Rescind 1996-19	Adjust Connection Fees	08-12-96
08-27-96	1996-28	Rescind 1996-27	Adjust Connection Fees to I.D.'s 140 & 240	08-27-96
09-23-96	1996-32	Rescind 1996-28	Adjust Water and Sewer Fixed Charges	09-23-96
10-14-96	1996-33	Rescind 1996-32	Adjust Sewer Service Charges for Non- Residential & Portola Hills	10-14-96
06-30-97	1997-17	Rescind 1996-33	Modify Rates and Charges and Connection Fees	06-30-97
10-01-97	1997-29	Rescind 1997-17	Modify Ascending Block Rate Structure Terminology	10-01-97
06-08-98	1998-21	Rescind 1997-29	Miscellaneous Adjustments to Schedule of Rates and Charges	07-01-98
08-24-98	1998-33	Rescind 1998-21	Adjust Connection Fees	08-24-98
06-28-99	1999-25	Rescind 1998-33	Adjustments to Schedule of Rates and Charges	07-01-99
06-26-00	2000-18	Rescind 1999-25	Adjustments to Schedule of Rates and Charges	07-01-00
07-24-00	2000-24	Rescind 2000-18	Adjustments to Schedule of Rates and Charges	07-25-00
06-25-01	2001-24	Rescind 2000-24	Adjustments to Schedule of Rates and Charges	07-01-01
06-24-02	2002-22	Rescind 2001-24	Adjustments to Schedule of Rates and Charges	07-01-02
12-09-02	2002-47	Rescind 2002-22	Adjustments to Schedule of Rates and Charges	12-09-02
03-10-03	2003-7	Rescind 2002-47	Adjustments to Schedule of Rates and Charges	03-10-03
06-23-03	2003-20	Rescind 2003-7	Adjustments to Schedule of Rates and Charges	07-01-03
09-08-03	2003-35	Rescind 2003-20	Adjustments to Schedule of Rates and Charges	09-08-03
06-28-04	2004-25	Rescind 2003-35	Adjustments to Schedule of Rates and Charges	07-01-04
07-12-04	2004-32	Rescind 2004-25	Adjustments to Schedule of Rates and Charges	07-12-04
10-11-04	2004-51	Rescind 2004-32	Adjustments to Schedule of Rates and Charges	10-11-04
06-27-05	2005-20	Rescind 2004-51	Adjustments to Schedule of Rates and Charges	07-01-05

DATE ADOPTED	RESOLUTION	REVISION	EFFECTIVE DATE
09-26-05	2005-31	Rescind 2005-20	Adjustments to Schedule of Rates and Charges 10-10-05
10-10-05	2005-35	Rescind 2005-31	Adjustments to Schedule of Rates and Charges 10-10-05
06-26-06	2006-20	Rescind 2005-35	Adjustments to Schedule of Rates and Charges 06-27-06
07-24-06	2006-27	Rescind 2006-20	Changes to Water & Sewer Connection Fees 07-24-06
06-25-07	2007-16	Partially Modifies 2006-27	Adjustments to Schedule of Rates and Charges 06-26-07
07-16-07	2007-21	Partially Modifies 2006-27	Changes to Water & Sewer Connection Fees 07-17-07
06-23-08	2008-36	Rescind 2007-21	Adjustments to Schedule of Rates and Charges 07-01-08
07-28-08	2008-45	Partially Modifies 2008-36	Changes to Water & Sewer Connection Fees 07-29-08
06-22-09	2009-20		Adjustments to Schedule of Rates and Charges 06-23-09
07/27/09	2009-24	Partially Modifies 2009-20	Changes to Water & Sewer Connection Fees 07/28/09
06/28/10	2010-19		Adjustments to Schedule of Rates and Charges 07/01/10
07/26/10	2010-22	Partially Modifies 2010-19	Changes to Water & Sewer Connection Fees 07/27/10
02/28/11	2011-3	Partially Modifies 2010-22	Changes to Sewer Connection Fees 03/01/11
06/27/11	2011-25	Rescind 2010-19	Adjustments to Schedule of Rates and Charges 07/01/11
07/25/11	2011-33	Rescind 2011-25	Changes to Water & Sewer Connection Fees 07/26/11
06/25/12	2012-26	Rescind 2011-25	Adjustments to Schedule of Rates and Charges 07/01/12
10/08/12	2012-41	Partially Modifies 2012-26	Changes to Water & Sewer Connection Fees 10/09/12
12/10/12	2012-57		Adjust Connection Fees to IDs 112 & 212 12/11/12
06/24/13	2013-21	Rescind 2012-26	Adjustments to Schedule of Rates and Charges 07/01/13
12/16/13	2013-60	Partially Modifies 2013-21	Changes to Water & Sewer Connection Fees 01/01/14



May 20, 2014

TO:

Irvine Ranch Water District

Re: Proposed July 1, 2014 Water &amp; Sewer Rate Changes

FROM:

GEORGE KEZIOS

6 RUTHERFORD

IRVINE, CA. 92602

Acct. # 1011 053 5035

Meter # 77407386

RECEIVED

MAY 27 2014

FINANCE  
IRVINE RANCH WATER DISTRICT

IRWD Board of Directors:

This is to inform you that I am filing a written protest for the proposed rate increases on 7/1/2014.

My wife and I can certainly live with any of your annual, reasonable rate increases as we have in the past.

However, these across-the-board unreasonable rate increases which you are now proposing are nothing short of OUTRAGEOUS! Especially to those of us who are on a fixed income.

Sincerely,

George Kezios

**RECEIVED**

**MAY 15 2014**

**FINANCE  
IRVINE RANCH WATER DISTRICT**

To: Irvine Ranch Water District  
5149 San Canyon Ave  
Irvine, CA.92618-3102

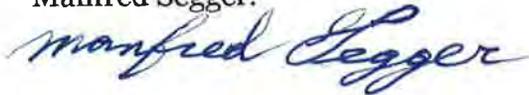
**Government Created Water Shortage**

I do believe that our water shortage cannot be very real, because of all the building going on in the south County area. If we really have such a water shortage, then why are the Development companies not halting construction until there is lots of water available for the existing residents? Let's fill our water reservoirs to last for a long time to come. As it stands for right now I believe that the shortage is only created so our water departments can create the tiers system so they can increase the prices whenever they feel it's advantageous to them, I Would almost call that as daylight robbery. It is unbelievable that we the people have no recourses to fight such injustice created by our local government Check the Baker Ranch Housing project, at least 800 to 1000 new homes are being built plus parks, and Lake Forest building a monstrosity of a Park at Portola and Rancho, nothing wrong with a Park, just must it be now when we have no water for our residents that live here now for twenty years or more, Park the size of this one needs a lot of water, and so do thousands of homes people will buy in the very near future, unless they will not be allowed to use any water. Lake Forest is very proudly announcing the opening of a very large project called Portola Center, which will include 930 single and multi-family new resident homes plus another 5-acre community park, plus multitudes of landscape enhancements. Can any of you administrator imagine of how much development is going on from San Diego to Eureka California. It's time to be honest with us the public, tell us the truth of what you are doing to us, the tier system is worst then a tax, there will be no limit, what about Allocation how often will that change? When are the satellite operated Water meters coming? Is that what you are after, total control of us the public.

P.S. Do not forget anybody can and will be replaced someday, Soon.

Manfred Segger  
21242 Countryside Dr.  
Lake Forest, Ca.92630

Respectfully  
Manfred Segger.





6500 E. Santiago Canyon Road  
Orange, Ca 92869

Phone: 714.633.2366  
Fax: 714.633.6937

www.salemorange.com

May 6, 2014

**RECEIVED**

**MAY 12 2014**

**FINANCE  
IRVINE RANCH WATER DISTRICT**

**IRWD  
PO Box 5149  
Irvine, CA 92616**

**Re: Account #72089291016 - 19952 Santiago Canyon Road, OR, OPA**

**WRITTEN PROTEST**

This is a written statement of protest regarding the proposed IRWD Residential Water Rates increase as well as the Usage Tier System being used.

Salem Lutheran Church is being charged Water Usage Tiers using the same CCF limit's as a residential property in the Orange Park Acres area. The subject account serves both Church and School buildings/ restrooms and landscape as well as irrigation for the School recess/ sports field.

It is our position that as a Church and School facility located on 6 acres with over 400 students and staff, our base Standard Tier I should more accurately reflect our non-residential use. Salem should be designated as a commercial account and should not be subject to a rate increase.

Sincerely,

A handwritten signature in blue ink that reads 'Dan Ventura'.

**Dan Ventura  
Executive Director of Finance & Operations**

KNOW Christ

GROW in Community

LIVE with Purpose

*Bringing Life to the Community, and the Community to Life.*

May 6, 2014  
IRWD  
PO Box 5149  
Irvine, CA 92616

**RECEIVED**  
MAY 08 2014  
FINANCE  
IRVINE RANCH WATER DISTRICT

I am protesting the proposed rates for the following reasons:

1. Increasing the Commodity Rate, AND decreasing the Monthly Allocation is too much
2. Due to high cost of housing, and rising unemployment, more residents are forced to live together to shoulder the burden. Increased proposal does not take this into account.
3. Fixed monthly Water and Sewer Rate increased are not justified in the proposal. By making the statement it is for "planning and setting aside funds now" in no way reflects how much is needed nor does it state how much is already set aside.

There needs to be language that states the residents will be given refunds when the drought conditions are no longer present, and have been sustained for 3 months.

There is a 3.8% increase for imported water purchases from MWD but rate increases more than cover that expense.

Remove the request "second step of \$0.02 per ccf to the base rate to occur January 1, 2015, or later, but only if necessary" because it does not include any justification. It is an open ended, discretionary rate increase.

Thank you

Mark Digiambattista



2403 La Mesa Court

Costa Mesa, CA 92627

**RECEIVED**

**MAY 08 2014**

Irvine Ranch Water District  
PO Box 5149, Irvine, CA 92616

FINANCE  
IRVINE RANCH WATER DISTRICT

Re: Proposed water and sewer rate change

To: IRWD representative,  
I'm writing this letter in protest of the proposed increase in water and sewer rates.

The "necessary" reasons you stated for the proposed rate increase, including electricity costs and water drought, are already addressed on the state level. Our state and local taxes have already increased as a result of this.

The drought state of emergency, as declared by Governor Brown, opened up additional funding from the state and federal level for relief assistance, thereby eliminating the need for rate hikes.

In regards to electrical shortages, it was Larry Agran, Irvine city councilman, who called for the decommissioning of the San Onofre Nuclear power plant without supplying the citizens a clear alternative source of energy. Enough cost of living increases!

Why don't you use existing funds, in conjunction with state and federal grants, to build desalination plants across the state, rather than going from one shortage to another?

Sincerely,



Boaz Carmi  
4585 Green Tree Ln  
Irvine, CA 92612



# Irvine Ranch Water District Notice of Proposed Water and Sewer Rate Change

*WHAT ABOUT WATER CAPTURE AND STORAGE!!*

## Background

Irvine Ranch Water District (IRWD) is a government agency that provides water and sewer services based on the actual cost of operation and maintenance. Each year, the IRWD Board of Directors adopts an annual operating budget that goes into effect on July 1. Part of that process is setting water and sewer rates. One of IRWD's critical business objectives is to keep costs, and therefore rates, as low as possible for all our customers. When compared with other agencies providing similar services in Orange County, IRWD's rates are consistently among the lowest in the county.

## Rate Structure Changes Proposed

On July 1, 2014, the Irvine Ranch Water District is proposing to make several changes to the rates and charges on your bill. The first step and all other proposed changes to the rates and charges, allocations and tiers will become effective and operative for all bills sent starting on July 1, 2014.

## Proposed Commodity Rates

Commodity charges are based on the volume of water used. For FY 2014-15, IRWD is proposing a two-step commodity rate increase for the Irvine Ranch rate area. As shown in the table of proposed rates, the rates are proposed to be increased for each tier, except for the low volume tier which is being decreased. The second step increase is proposed to be applied if customer demands for water exceed the projected water budget, requiring IRWD to make additional purchases of imported water, the most expensive source of supply for IRWD.

*WE'RE PAYING FOR SIGNED*

**First and Second Rate Steps:** An increase of \$0.07 per ccf (one hundred cubic feet of water, or 748 gallons) to the base rate is proposed to occur July 1, 2014. The \$0.07 increase would change the current base commodity charge for water from \$1.27 to \$1.34 per ccf, which is still one of the lowest water rates in Orange County. The second step of \$0.02 per ccf to the base rate is proposed to occur January 1, 2015, or later, but only if necessary.

FY 2014-15 Proposed Commodity Rates		
Tier	FY 2013-14	FY 2014-15
Low Volume	\$0.91 per ccf	\$0.88* per ccf
Base Rate	\$1.27	\$1.34 (step 1) \$1.36 (step 2)**
Inefficient	\$2.86	\$3.91
Excessive	\$4.80	\$6.22
Wasteful	\$9.84	\$12.60

\*the Low Volume rate is decreasing by \$0.03 to reward those customers using the least amount of water, thereby

## Why Are These Changes Necessary?

The main reasons for the change are due to uncontrollable cost increases from:

- The need to buy more imported water as a result of the drier

*PLAZAWOOD  
777 Hill Ranch Ct  
92610-1815*

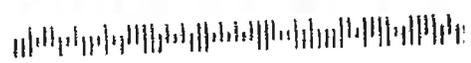
07 MAY 2014 PMS L

**RECEIVED**

MAY 08 2014

FINANCE  
IRVINE RANCH WATER DISTRICT

*IRWD  
PO Box 5149  
IRVINE, CA 92611*



June 23, 2014

Prepared and

Submitted by: L. Bonkowski

Approved by: P. Cook

CONSENT CALENDAR

MINUTES OF BOARD MEETING

SUMMARY:

Provided are the minutes of the June 9, 2014 Regular Board Meeting and June 16, 2014 Adjourned Regular Board Meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE JUNE 9, 2014 REGULAR BOARD MEETING AND JUNE 16, 2014 ADJOURNED REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – Minutes of June 9, 2014 Regular Board Meeting

Exhibit "B" – Minutes of June 16, 2014 Adjourned Regular Board Meeting



## EXHIBIT "A"

### MINUTES OF REGULAR MEETING – JUNE 9, 2014

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:10 p.m. by President LaMar on June 9, 2014 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

Directors Present: LaMar, Withers, Matheis, and Swan

Directors Absent: Reinhart.

Also Present: General Manager Cook, Executive Director of Finance Clary, Executive Director of Engineering and Planning Burton, Executive Director of Operations Shields, Executive Director of Water Resources Weghorst, Director of Water Resources Sanchez, Director of Human Resources Roney, Director of Risk Management and Treasury Jacobson, Director of Public Affairs Beeman, Director of Administrative Services Mossbarger, Ms. Christine Compton, Ms. Shannon Reed, Legal Counsel Arneson (by teleconference), Secretary Bonkowski, Mr. Barkev Mererlian, Mr. Jim Reed, Mr. Mike Hoolihan, Mr. Eric Akiyoshi, Mr. Bruce Newell and other members of the public and staff.

#### WRITTEN COMMUNICATION:

Secretary Bonkowski said that a letter was just received from Mr. Tom Levy relative to item No. 14 on the Action Calendar, South Orange County Agencies' Metropolitan Water District of Southern California representative candidate nominations (see page 6).

#### 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 2, 4, C-8, C-9, 10, 13, 14, 15 and 17 will operate in accordance with the District's annual pumping plan. Wells 1, 3, 5, 6, 7, 11, 12, and 16 will be off. This was confirmed by Mr. Cook, General Manager of the District.

On October 31, 2013, the District received its fully executed copy of the Annexation Agreement with the Orange County Water District. 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. This was confirmed by Mr. Cook.

WORKSHOP

FISCAL YEAR 2014-14 CAPITAL BUDGET

General Manager Cook said that a revised resolution had been placed before each Director with a change made on the allocation of sources of funds.

Using a PowerPoint presentation, Mr. Eric Akiyoshi reported on the proposed budget. He said that in the current fiscal year, FY 2013/14, budgeted expenditures were originally estimated at \$110.3 million with actual expenditures projected at approximately \$84.2 million (equating to 76% of projected expenditures) through the end of the current fiscal year. Mr. Akiyoshi said that the construction phases for the Baker Water Treatment Plant and the Michelson Water Recycling Plant (MWRP) Biosolids and Energy Recovery Facilities started later than originally scheduled, resulting in capital expenditures this year being lower than originally anticipated.

Mr. Akiyoshi said that in FY 2013/14, the District released approximately 3,016 dwelling units through April 2013 and that in FY 2014/15 the development activity is projected to be similar to the previous fiscal year with development in Hidden Canyon, Baker Ranch, the Great Park neighborhood, and Orchard Hills.

Mr. Akiyoshi said that staff estimates that capital expenditures for FY 2014/15 will be approximately \$153.7 million; the construction work on two projects (the MWRP Biosolids and Energy Recovery Facilities and the Baker Water Treatment Plant) make-up 60% of the projected expenditures.

Mr. Akiyoshi reviewed the flagged project list with both the upsizing of the Syphon Reservoir and the Irvine Lake Pipeline Conversions being added to the list.

Director Withers reported that this item was reviewed at the Engineering and Operations Committee on May 20, 2014. On MOTION by Withers, seconded and unanimously carried, THE FOLLOWING RESOLUTION AS AMENDED WAS ADOPTED BY TITLE:

RESOLUTION NO. 2014 – 29

RESOLUTION OF THE BOARD OF DIRECTORS OF  
IRVINE RANCH WATER DISTRICT, ORANGE COUNTY  
CALIFORNIA, APPROVING THE DISTRICT'S CAPITAL  
BUDGET FOR FISCAL YEAR 2014-15

CONSENT CALENDAR

On MOTION by Withers, seconded and unanimously carried, CONSENT CALENDAR ITEMS 4 10 WERE APPROVED AS FOLLOWS:

4. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the May 27, 2014 Regular Board meeting be approved as presented.

CONSENT CALENDAR (CONTINUED)

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

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

6. NOTICE OF RELEASE OF COVENANT FOR ACCESS AND SAMPLING RIGHTS RELATED TO GROUNDWATER REMEDIATION IN QUITCLAIM DEEDS – GREAT PARK NEIGHBORHOODS

Recommendation: That the Board adopt the following resolution by title approving execution of the Notice of Release of Covenant for Access and Sampling Rights related to Groundwater Remediation in Quitclaim Deeds – Great Park Neighborhoods.

RESOLUTION NO. 2014 -30

RESOLUTION OF THE BOARD OF DIRECTORS OF  
IRVINE RANCH WATER DISTRICT APPROVING EXECUTION OF  
THE NOTICE OF RELEASE OF COVENANT FOR ACCESS AND  
SAMPLING RIGHTS RELATED TO GROUNDWATER REMEDIATION IN  
QUITCLAIM DEEDS - GREAT PARK NEIGHBORHOODS

7. AMENDING OF BOND DOCUMENTS AND CONTINUING DISCLOSURE FOR BOND ISSUES RELATED TO IMPROVEMENT DISTRICT CONSOLIDATION

Recommendation: That the Board adopt the following resolution by title authorizing notices, disclosure, Supplemental Indentures and certain other actions in connection with Improvement District consolidation (Consolidated Series 1993, 1995, 2009A and 2009B; Series 2010B; and Consolidated Refunding Series 2008A).

RESOLUTION NO. 2014-31

RESOLUTION OF THE BOARD OF DIRECTORS OF  
THE IRVINE RANCH WATER DISTRICT AUTHORIZING  
NOTICES, DISCLOSURE, SUPPLEMENTAL INDENTURES  
AND CERTAIN OTHER ACTIONS IN CONNECTION WITH  
IMPROVEMENT DISTRICT CONSOLIDATIONS  
(CONSOLIDATED SERIES 1993, 1995, 2009A AND 2009B; SERIES  
2010B; AND CONSOLIDATED REFUNDING SERIES 2008A)

CONSENT CALENDAR (CONTINUED)

8. VERIFICATION OF SUFFICIENT WATER SUPPLIES FOR UPTOWN  
NEWPORT BEACH (TENTATIVE TRACT MAP 17438)

Recommendation: That the Board approve the Verification of Sufficient Water Supplies for Uptown Newport Beach (Tentative Tract Map 17438).

9. 2014 STATE LEGISLATIVE UPDATE

Recommendation: That the Board take a "SUPPORT IF AMENDED" position on SB 985 (Pavley).

10. ELECTION OF THE LOCAL AGENCY FORMATION COMMISSION (LAFCO)  
ALTERNATE SPECIAL DISTRICT MEMBER

Recommendation: That the Board review and discuss the candidates for the Alternate Special District Member seat on the Orange County Local Agency Formation Commission (LAFCO) and authorize President LaMar to cast the District's ballot and submit it to LAFCO no later than the June 13, 2014, deadline.

ACTION CALENDAR

FISCAL YEAR 2014-15 GENERAL COUNSEL SERVICES FOR BOWIE, ARNESON, WILES,  
AND GIANNONE

General Manager Cook reported that Bowie, Arneson, Wiles & Giannone (BAWG) has provided a proposed letter of engagement for the purpose of providing legal services to the District for Fiscal Year (FY) 2014-15, effective July 1, 2014. BAWG's services shall not exceed \$525,000 without additional authorization from the District, of which \$425,000 is for general legal services and \$100,000 for the J127 matter. The proposed hourly rates and the estimated total cost for general legal services for FY 2014-15 will increase by \$10,000 from FY 2013-14. BAWG's hourly rates are based upon a number of factors, including the level of experience of its attorneys.

Director Swan reported that this item was reviewed and approved by the Finance and Personnel Committee on June 3, 2014. He said that he and the Committee are very pleased with the legal services provided by Ms. Arneson. On MOTION by Swan, seconded and unanimously carried, **THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE THE ENGAGEMENT AGREEMENT WITH BOWIE, ARNESON, WILES, AND GIANNONE EFFECTIVE JULY 1, 2014 FOR GENERAL COUNSEL SERVICES IN THE AMOUNT NOT TO EXCEED \$525,000, SUBJECT TO THE NOT-TO-EXCEED AMOUNTS WITHIN SUCH TOTAL AMOUNT AS PROVIDED IN SEPARATE DETAIL.**

WATER SMART SOFTWARE INC. VARIANCE NO. 1

General Manager Cook reported that the Water Smart Program, developed and administered on behalf of IRWD by Water Smart Software Inc., provides enhanced water use information to target

over-allocation customers separately from their water bills. Mr. Cook said that the program is an effective tool that promotes water use efficiency and rate support outreach to customers.

Director Matheis reported that this item was reviewed by the Water Resources Policy and Communications Committee on June 5, 2014 and the Committee is very satisfied with this program. On **MOTION** by Matheis, seconded and unanimously carried, **THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 1 TO THE PROFESSIONAL SERVICES AGREEMENT BETWEEN IRWD AND WATER SMART SOFTWARE INC. IN THE AMOUNT OF \$98,550.**

#### ON-CALL DATABASE ADMINISTRATION CONSULTANTS

Director of Administrative Services Mossbarger reported that staff currently utilizes database administration resources from LCS Technologies to provide support for the Oracle Financial System and the Oracle Customer Care and Billing (CC&B) implementation project. There is an ongoing need for database administration services for the District's software systems as a result of several major capital projects the District has recently undertaken, such as the CC&B software implementation project, as well as smaller scale software and networking projects. In addition, consultants with the required skills could be retained to fill in for staff vacancies due to back filling regular positions, terminations, or leaves of absence. Staff proposes to retain database administrators through consultant agencies who would provide services on an on-call basis.

Mr. Mossbarger said that staff requested proposals from LCS technologies and Outsource Technical who have provided excellent service and responsiveness on previous District projects. He said that staff recommends that the Board authorize the General Manager to execute two Professional Services Agreements: with LCS Technologies in the amount of \$120,000 and Outsource Technical in the amount of \$60,000. Outsource Technical will serve as a backup or additional resource to supplement LCS Technologies.

Director Swan said that this item was reviewed and approved by the Finance and Personnel Committee on June 3, 2014. On **MOTION** by Swan, seconded and unanimously carried, **THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE TWO PROFESSIONAL SERVICES AGREEMENTS, ONE WITH LCS TECHNOLOGIES, INC. IN THE AMOUNT OF \$120,000 AND THE OTHER WITH OUTSOURCE TECHNICAL IN THE AMOUNT OF \$60,000 FOR ON-CALL DATABASE ADMINISTRATION SERVICES.**

#### SOUTH ORANGE COUNTY AGENCIES' METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA REPRESENTATIVE CANDIDATE NOMINATIONS

General Manager Cook said that the South County Agencies are well into the process to nominate candidates for the open South Orange County Agencies' Metropolitan Water District of Southern California seat. Mr. Cook provided an update on the individuals interested in applying for this position and noted that the first meeting of the Nominating Committee was held today with Ms. Sandra Jacobs elected Chair and Ms. Debby Neeve as Vice Chair. He said that due to scheduling, the Committee will not be meeting until after the July 4<sup>th</sup> holiday. He said that as noted under Written Communications by Secretary Bonkowski, that Mr. Tom Levy provided an interest letter to the Board this evening. He further said that tonight, staff recommends that the Board authorize

IRWD to submit Mr. Bill Campbell as the candidate to the Nomination Committee before the June 16, 2014 submittal date. Following discussion, Director Withers made a motion which Director Matheis seconded to move forward with submitting Mr. Campbell as the candidate to the Nominating Committee. Prior to the vote, Director Swan said he would like to amend the pending motion to defer action tonight and consider the item on Monday morning when Director Reinhart, who is a member of the Nominating Committee, could be present to vote on this matter. Director Swan's motion was not seconded. Director Withers withdrew his motion. Following discussion, on MOTION by Withers, seconded by Matheis, **THE BOARD AUTHORIZED IRWD TO SUBMIT SUPERVISOR BILL CAMPBELL (RET.) AS THE BOARD-APPROVED CANDIDATE TO THE NOMINATION COMMITTEE TO MEET THE JUNE 16, 2014 DEADLINE FOR THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA DIRECTOR VACANT SEAT, AND THAT THE PRESIDENT ADJOURN TONIGHT'S MEETING TO MONDAY, JUNE 16, 2014 AT 8:00 A.M. TO CONSIDER ADDITIONAL POTENTIAL CANDIDATES FOR SUBMITTAL TO THE NOMINATION COMMITTEE FOR SAID OPEN SEAT.**

### GENERAL MANAGER'S REPORT

General Manager Cook reported on the Proposition 218 notice process for this fiscal year's rate increase and noted as of today six protest letters have been received from customers.

Mr. Cook reported on the community meeting held last week held relative to the pipeline project in Silverado Canyon with consultant Mr. Bruce Newell in attendance along with staff. Mr. Newell noted the concerns raised by the residents relative to the pipeline.

Mr. Cook reported that the grant fund application submitted by consultant Ms. Debbie Burris and staff relative to the Stockdale West project was approved for \$1 million with \$700,000 disbursement this year and the remaining \$300,000 next year which he said is contingent upon funding availability.

### DIRECTORS' COMMENTS

Director Matheis reported on her attendance at a Watershed Executive Committee meeting.

Director Withers reported on his attendance at the OCSD Legislative and Public Affairs Committee meeting. He said that tomorrow he will be attending an OCBC Infrastructure Committee meeting and that on Thursday he and Director Matheis will be attending the State of the City Address with Mayor Choi.

Director Swan reported on his attendance at an ACWA Board meeting discussing Governor's office request for 20% water reductions, a WACO meeting last Friday with Director LaMar and that he will be attending an ACWA bond briefing this Wednesday at IRWD.

Director LaMar reported on his attendance at MWDOC's Planning and Operations Committee meeting and WACO. He said he will be attending a meeting in Sacramento along with Ms. Christine Compton this week relative to stormwater capture resource plans. In response to

Director Swan's inquiry, General Manager Cook provided an update relative to Senator Correa's bill.

ADJOURNMENT

At 6:50 p.m. President LaMar adjourned the meeting to Monday, June 16 at 8:00 a.m. in the Board room.

APPROVED and SIGNED this 23rd day of June, 2014.

\_\_\_\_\_  
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 – JUNE 16, 2014

The adjourned regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 8:00 a.m. by President LaMar on June 16, 2014 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

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

Directors Absent: None.

Also Present: General Manager Cook, Executive Director of Water Resources Weghorst, Ms. Christine Compton, Legal Counsel Arneson (via conference call), and Secretary Bonkowski.

WRITTEN COMMUNICATION: None.

ORAL COMMUNICATION: None.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED: None.

### ACTION CALENDAR

### SOUTH ORANGE COUNTY AGENCIES' METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA REPRESENTATIVE CANDIDATE NOMINATIONS

Director Reinhart, a member of the Nominating Committee, described the nominating process to the Board and noted the agencies who have placed names in the process for consideration by the Committee as candidates for the nomination. He said the Committee consensus was that the selection criteria will serve as guidelines, and that submissions of names into the process by the various South County Agencies are not intended to signify that the Agencies are endorsing or are pledged to them.

Director Swan said he had reviewed the rating process noting that water knowledge of MWD is an important factor, and said the merit of submitting more than one highly qualified individual should be considered. Following a discussion of the pros and cons of submitting additional qualified individuals, it was the consensus of the Board to not submit additional names to the Nominating Committee.

### ADJOURNMENT

There being no further discussion, President LaMar adjourned the meeting at 9:04 a.m.

APPROVED and SIGNED this 23rd day of June, 2014.

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President, IRVINE RANCH WATER DISTRICT

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Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

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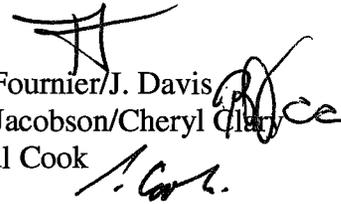
Legal Counsel - Bowie, Arneson, Wiles & Giannone

June 23, 2014

Prepared by: T. Fournier/J. Davis

Submitted by: R. Jacobson/Cheryl Glary

Approved by: Paul Cook



## CONSENT CALENDAR

### MAY 2014 TREASURY REPORTS

#### SUMMARY:

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

- A. The Investment Summary Report for May 2014. This Investment Summary Report is in conformity with the 2014 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 May 31, 2014, as outlined in Exhibit "B".
- C. The Summary of Payroll ACH payments in the total amount of \$2,139,905, as outlined in Exhibit "C".
- D. The May 31, 2014 Disbursement Summary of Warrants 348232 through 349246, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$16,165,585, as outlined in Exhibit "D".
- E. The Disclosure Report of Reimbursements to Board Members and Staff for May 2014, detailing payments or reimbursements for individual charges of \$100.00 or more per transaction, as outlined in Exhibit "E".

#### FISCAL IMPACTS:

As of May 31, 2014, the book value of the investment portfolio was \$322,019,107, with a 0.45% rate of return and a market value of \$322,090,667. Based on the District's March 31, 2014 quarterly real estate investment rate of return of 12.21%, the District's weighted average return for the fixed income and real estate investments was 2.60%.

As of May 31, 2014, the total notional amount of the interest rate swap portfolio was \$130 million of fixed payer swaps. Cash accrual in May from all swaps was negative \$648,202.

Payroll ACH payments totaled \$2,139,905, and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for May totaled \$16,165,585.

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:

THAT THE BOARD RECEIVE AND FILE THE TREASURER'S INVESTMENT SUMMARY REPORT, THE MONTHLY INTEREST RATE SWAP SUMMARY FOR MAY 2014, AND DISCLOSURE REPORT OF REIMBURSEMENTS TO BOARD MEMBERS AND STAFF; APPROVE THE MAY 2014 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$2,139,905 AND APPROVE THE MAY 2014 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 348232 THROUGH 349246, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$16,165,585.

LIST OF EXHIBITS:

- Exhibit "A" - Investment Summary Report
- Exhibit "B" - Monthly Interest Rate Swap Summary
- Exhibit "C" - Monthly Payroll ACH Summary
- Exhibit "D" - Monthly Summary of District Disbursements
- Exhibit "E" – Disclosure of Reimbursements to Board Members and Staff

05/31/14

SETTLEMENT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	YTC	ORIGINAL COST	CARRY VALUE	MARKET VALUE 5/31/2014	UNREALIZED GAIN/(LOSS)
04/15/14			07/01/14		LAIF	State of California Tsy.	\$50,000,000		0.233%		\$50,000,000.00	\$50,000,000.00	50,015,855.90	15,855.90
04/15/14			07/01/14		LAIF-JPA	State of California Tsy.	50,000,000		0.233%		\$50,000,000.00	\$50,000,000.00	50,015,855.90	15,855.90
04/16/14			06/16/14		LAIF BABS	State of California Tsy.	21,431,840		0.233%		\$21,431,840.29	\$21,431,840.29	21,438,636.71	6,796.42
05/06/14	N/A	N/A	07/30/14	NR	FHLB - Discount Note	Fed Home Loan Bank Discount Note	15,000,000	0.050%	0.051%		14,998,228.50	14,998,228.50	14,999,250.00	1,021.50
04/24/14	N/A	N/A	08/26/14	NR	FNMA - Discount Note	Fed Natl Mortgage Discount Note	5,000,000	0.045%	0.046%		4,999,225.00	4,999,225.00	4,999,550.00	325.00
05/28/14	N/A	N/A	09/26/14	NR	FHLMC - Discount Note	Home Loan Mortgage Corp Discount	5,000,000	0.060%	0.061%		4,998,991.65	4,998,991.65	4,999,218.50	226.85
03/04/14	N/A	N/A	08/28/15	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Mortgage Corp	2,000,000	0.500%	0.225%		2,008,140.00	2,006,818.38	2,007,260.00	441.62
03/04/14	N/A	N/A	08/28/15	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Bank	8,000,000	0.375%	0.225%		8,017,720.00	8,014,842.95	8,019,040.00	4,197.05
05/28/14	N/A	N/A	09/10/15	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.750%	0.165%		5,101,550.00	5,100,685.74	5,099,250.00	(1,435.74)
10/17/12	One Time 2yr	10/09/14	10/09/15	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.480%	0.460%	0.466%	5,002,000.00	5,000,912.60	5,004,950.00	4,037.40
01/07/14	One Time	10/28/14	10/28/15	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.500%	0.300%	0.411%	5,008,050.00	5,006,290.97	5,006,250.00	(40.97)
12/18/12	Continuous	03/18/13	12/18/15	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	10,000,000	0.400%	0.425%	0.701%	9,992,500.00	9,996,123.29	10,000,200.00	4,076.71
05/27/14	N/A	N/A	12/21/15	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.375%	0.241%		5,010,450.00	5,010,358.81	5,008,300.00	(2,058.81)
01/15/13	N/A	07/15/13	01/15/16	NA/AA+/AAA	FHLMC - Note	Fed Home Loan Bank	5,000,000	0.375%	0.390%		4,997,750.00	4,998,623.29	5,000,400.00	1,776.71
03/14/13	Continuous	09/07/13	03/07/16	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Bank	4,444,444	0.470%	0.490%	0.730%	4,438,444.44	4,440,885.21	4,440,000.00	(885.22)
03/14/14	Continuous	06/10/14	03/10/16	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.350%	0.413%	0.874%	4,993,750.00	4,994,420.56	4,997,850.00	3,429.44
04/12/13	Continuous	07/12/13	04/12/16	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.410%	0.447%	0.851%	4,994,500.00	4,996,577.55	4,998,950.00	2,372.45
04/29/14	Continuous after	07/25/14	04/25/16	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.390%	0.448%	0.878%	4,994,250.00	4,994,466.44	4,997,450.00	2,983.56
05/20/13	Quarterly	10/29/13	04/29/16	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.500%	0.500%	0.500%	5,000,000.00	5,000,000.00	5,001,450.00	1,450.00
05/12/14	Continuous after	05/12/15	05/12/16	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Bank	5,000,000	0.480%	0.480%	0.480%	5,000,000.00	5,000,000.00	4,999,050.00	(950.00)
12/19/13	Quarterly	11/20/13	05/20/16	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.520%	0.520%	0.520%	5,000,000.00	5,000,000.00	4,992,500.00	(7,500.00)
01/31/14	Continuous	03/27/14	06/27/16	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Bank	5,000,000	0.500%	0.552%	0.552%	4,993,750.00	4,994,604.21	4,988,650.00	(5,954.21)
05/08/14	N/A	N/A	07/05/16	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.375%	0.484%		4,988,300.00	4,988,641.06	4,991,250.00	2,608.94
04/29/14	Continuous after	07/29/14	07/29/16	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.550%	0.550%	0.550%	5,000,000.00	5,000,000.00	4,999,100.00	(900.00)
02/11/14	Continuous after	08/11/14	08/11/16	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.570%	0.590%	0.590%	4,997,500.00	4,997,798.79	5,004,100.00	6,301.21
12/31/13	Quarterly	06/14/13	09/14/16	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.650%	0.759%	0.759%	4,985,500.00	4,987,716.09	5,000,900.00	13,183.91
03/14/13	Continuous	12/26/12	09/26/16	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.680%	0.683%	0.690%	4,999,500.00	4,999,671.44	4,999,900.00	228.56
12/03/13	One Time	11/25/14	11/25/16	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.750%	0.647%	0.716%	5,005,000.00	5,004,178.15	4,991,750.00	(12,428.15)
12/09/13	Quarterly	12/09/14	12/09/16	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.700%	0.727%	0.780%	4,996,000.00	4,996,631.39	4,980,650.00	(15,981.39)
12/19/13	Quarterly	06/19/14	12/19/16	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.750%	0.750%	0.750%	5,000,000.00	5,000,000.00	4,996,500.00	(3,500.00)
12/20/13	Quarterly	06/19/14	12/19/16	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.750%	0.755%	0.755%	4,999,250.00	4,999,360.96	4,996,500.00	(2,860.96)
12/27/13	Continuous after	06/24/14	12/27/16	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Bank	5,000,000	0.750%	0.760%	0.760%	4,998,500.00	4,998,712.14	5,002,250.00	3,537.86
12/27/13	S Quarterly	06/27/14	12/27/16	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	2,500,000	0.500%	0.550%	0.550%	2,498,750.00	2,498,926.78	2,500,350.00	1,423.22
04/30/14	Quarterly	07/30/14	01/30/17	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Bank	5,000,000	0.850%	0.850%	0.850%	5,000,000.00	5,000,000.00	5,005,650.00	5,650.00
03/13/14	Quarterly	06/13/14	03/13/17	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Bank	5,000,000	0.875%	0.946%	1.719%	4,989,500.00	4,990,256.84	5,001,100.00	10,843.16
03/27/14	Quarterly	06/27/14	03/27/17	Aaa/NR/NR	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.125%	1.125%	1.125%	5,000,000.00	5,000,000.00	5,002,850.00	2,850.00
04/15/14	Continuous after	07/07/14	04/07/17	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Bank	5,000,000	0.950%	0.976%	1.280%	4,996,250.00	4,996,353.40	5,004,200.00	7,846.60
04/25/14	Continuous after	04/24/15	04/24/17	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.900%	0.976%	1.142%	4,988,750.00	4,989,058.22	5,008,593.50	19,535.28
04/30/14	Quarterly	07/28/14	04/28/17	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.000%	1.000%	1.000%	5,000,000.00	5,000,000.00	4,987,200.00	(12,800.00)
04/10/14	N/A	N/A	04/30/36	NR	Direct Muni	ETWD	311,792	4.570%	4.570%	4.570%	311,791.76	311,791.76	311,791.76	
<b>SUB-TOTAL</b>							<b>\$313,688,076</b>				<b>\$313,735,731.64</b>	<b>\$313,742,992.48</b>	<b>\$313,814,552.27</b>	<b>\$71,559.79</b>
<b>RESTRICTED CASH (Swap Collateral Deposits)</b>														
05/01/14					Collateral Deposit	Citi-Group	\$7,086,114		0.080%		\$7,086,114.34	\$7,086,114.34	7,086,114.34	
05/16/14					Collateral Deposit	Merrill Lynch	\$1,190,000		0.080%		\$1,190,000.00	\$1,190,000.00	1,190,000.00	850,000.00
<b>SUB-TOTAL</b>							<b>\$8,276,114</b>				<b>\$8,276,114.34</b>	<b>\$8,276,114.34</b>	<b>\$8,276,114.34</b>	
<b>TOTAL INVESTMENTS</b>							<b>\$321,964,191</b>				<b>\$322,011,845.98</b>	<b>\$322,019,106.82</b>	<b>\$322,090,666.61</b>	
					Petty Cash						3,400.00			
					May	Bank of America					5,596,658.28			
											<b>\$327,611,904.26</b>			

(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 or Brokers

(3) Real estate rate of return is based on most recent quarter end return

Outstanding Variable Rate Debt \$345,000,000

Net Outstanding Variable Rate Debt (Less \$130 million fixed-payer swaps) \$215,000,000

Investment Balance: \$327,611,904

Investment to Variable Rate Debt Ratio: 152%

Portfolio - Average Number of Days To Maturity 432

	Investment Portfolio	Real Estate Portfolio (3)	Weighted Avg. Return
May	0.45%	12.21%	2.60%
April	0.44%	12.21%	2.59%
Change	0.01%		

This Investment Summary Report is in conformity with the 2014 Investment Policy and provides sufficient liquidity to meet the next six months estimated expenditures.

IRVINE RANCH WATER DISTRICT  
SUMMARY OF MATURITIES

05/31/14

DATE	TOTAL	%	LAIF	AGENCIES	COLLATERAL DEPOSIT	Direct Muni	Agency Discount Notes
5/14	\$129,707,955	40.29%	\$121,431,840		\$8,276,114		
6/14							
07/14	\$15,000,000	4.66%					15,000,000
08/14	\$5,000,000	1.55%					5,000,000
09/14	\$5,000,000	1.55%					5,000,000
10/14							
11/14							
12/14							
1/15							
02/15							
03/15							
04/15							
<b>SUB-TOTAL</b>	<b>\$154,707,955</b>	<b>48.05%</b>	<b>\$121,431,840</b>		<b>\$8,276,114</b>		<b>\$25,000,000</b>
<b>13 Months - 3 YEARS</b>							
5/1/2015 - 6/30/2015	-						
07/1/2015 - 9/30/2015	\$15,000,000	4.66%		15,000,000			
10/1/2015 - 12/30/15	25,000,000	7.76%		25,000,000			
01/01/16 - 03/31/2016	14,444,444	4.49%		14,444,444			
04/01/16 - 06/30/2016	30,000,000	9.32%		30,000,000			
07/01/16 - 9/30/2016	25,000,000	7.76%		25,000,000			
10/01/16 - 12/31/2016	27,500,000	8.54%		27,500,000			
1/1/2017 - 3/31/2017	15,000,000	4.66%		15,000,000			
04/01/17-06/30/17	15,000,000	4.66%		15,000,000			
07/01/17 - 9/30/2017							
04/30/2036	311,792	0.10%				311,792	
<b>TOTALS</b>	<b>\$321,964,191</b>	<b>100.00%</b>	<b>\$121,431,840</b>	<b>\$166,944,444</b>	<b>\$8,276,114</b>	<b>\$311,792</b>	<b>\$25,000,000</b>

% OF PORTFOLIO

A-2

37.72%

51.85%

2.57%

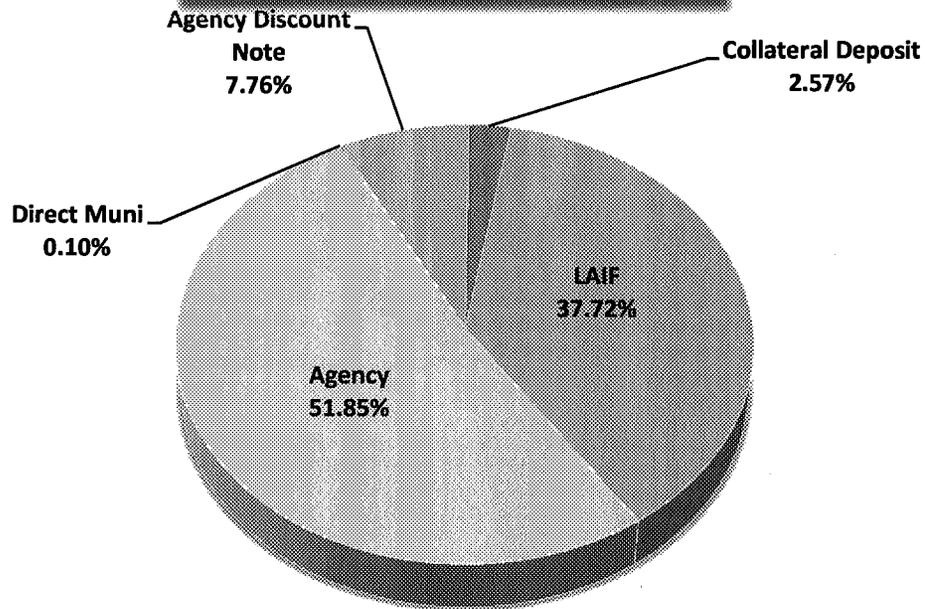
0.10%

7.76%

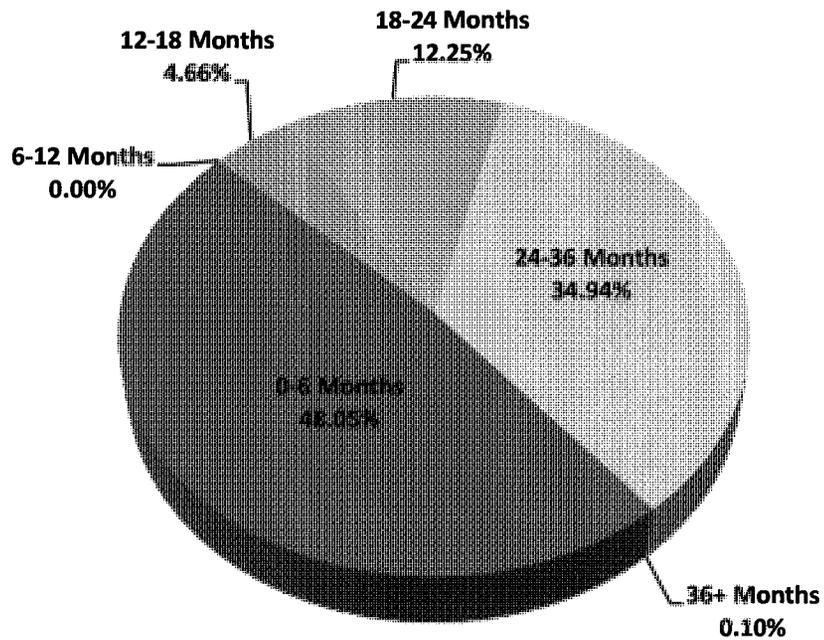
# May 2014 INVESTMENT PORTFOLIO

May 31, 2014

## Portfolio by Investment Type



## Portfolio by Maturities



Irvine Ranch Water District  
 Summary of Real Estate  
 3/31/2014

	<u>ACQUISITION DATE</u>	<u>PROPERTY TYPE</u>	<u>OWNERSHIP INTEREST</u>	<u>ORIGINAL COST</u>	<u>RATE OF RETURN QUARTER ENDED Mar-14</u>
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 43,550,810	15.81%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	8.25%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,739,845	6.74%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,630,577	4.82%
Sand Canyon Professional Center	Jul-12	Medical Office	Fee Simple	\$ 8,648,594	7.85%
				<u>\$ 72,569,826</u>	<u>12.21%</u>

**IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT**  
**INVESTMENT ACTIVITY**  
**May 2014**

**MATURITIES/SALES/CALLS**

**PURCHASES**

DATE	SECURITY TYPE	PAR	YIELD	Settlement Date	Maturity Date	SECURITY TYPE	PAR	YIELD TO MATURITY
5/1/2014	FFCB	\$5,000,000	0.47%	5/6/2014	7/30/2014	FHLBDN	\$15,000,000	0.05%
5/6/2014	FHLBDN	\$15,000,000	0.05%	5/8/2014	7/5/2016	FNMA	\$5,000,000	0.48%
5/8/2014	FFCB	\$10,000,000	0.36%	5/12/2014	5/12/2016	FHLBDN	\$5,000,000	0.48%
5/23/2014	FHLB	\$5,000,000	0.39%	5/27/2014	12/21/2015	FNMA	\$5,000,000	0.24%
5/27/2014	FNMA	\$5,000,000	0.59%					
5/28/2014	FHLB	\$5,000,000	0.35%					
5/28/2014	FFCB	\$5,000,000	0.29%					



**IRVINE RANCH WATER DISTRICT  
INTEREST RATE SWAP MONTHLY SUMMARY REPORT - DETAIL  
May 31, 2014**

Exhibit "B"

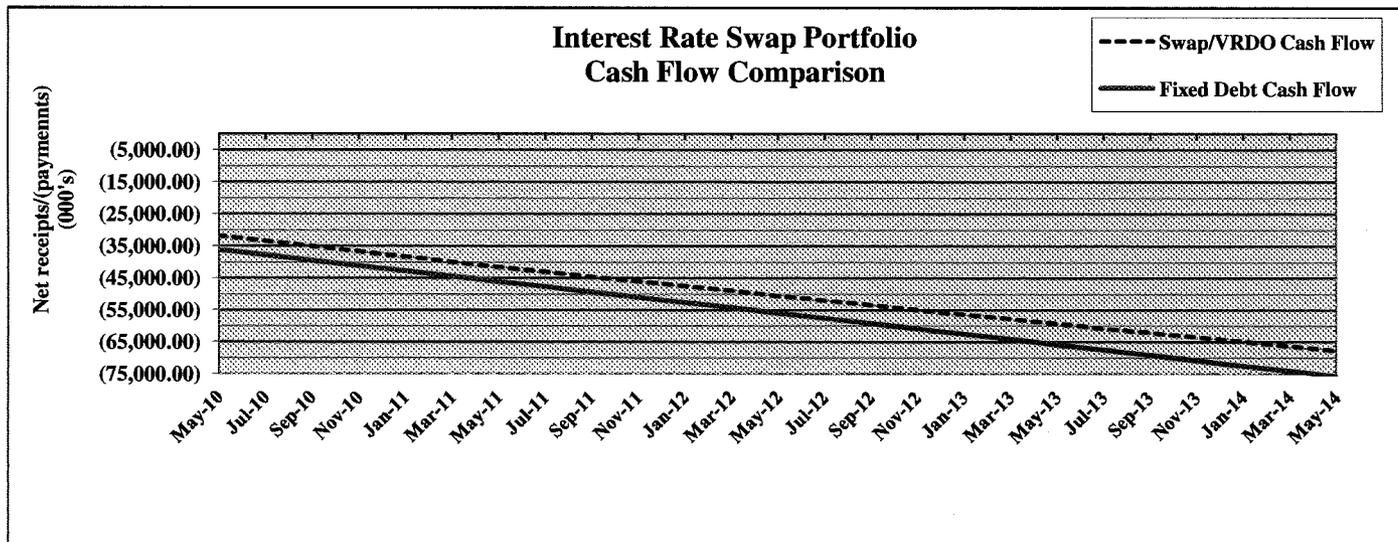
LIBOR Avg %	Prior Mo	Current Mo	12 Mo Avg
	0.15%	0.15%	0.17%

Current Fiscal Year Active Swaps								Cash Flow				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	5.0	ML	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (97,350)	\$ (110,823)	\$ (1,121,798)	\$ (7,357,816)	\$ 15,423,432	\$ (4,576,568)
6/4/2006	6/4/2019	5.0	CG	20,000,000	FXP	LIBOR	6.200%	(97,350)	(110,823)	(1,121,798)	(7,357,816)	15,438,618	(4,561,382)
6/17/2006	6/17/2019	5.0	CG	30,000,000	FXP	LIBOR	6.140%	(144,550)	(149,720)	(1,651,402)	(10,890,610)	23,214,452	(6,785,548)
3/10/2007	3/10/2029	14.8	ML	30,000,000	FXP	LIBOR	5.687%	(133,646)	(138,418)	(1,526,008)	(9,715,711)	19,458,492	(10,541,508)
3/10/2007	3/10/2029	14.8	CG	30,000,000	FXP	LIBOR	5.687%	(133,646)	(138,418)	(1,526,008)	(9,715,711)	19,587,902	(10,412,098)
<b>Totals/Weighted Avgs</b>				9.5	\$ 130,000,000		5.949%	\$ (606,542)	\$ (648,202)	\$ (6,947,014)	\$ (45,037,665)	\$ 93,122,896	\$ (36,877,104)
<b>Total Current Year Active Swaps</b>				\$ 130,000,000				\$ (606,542)	\$ (648,202)	\$ (6,947,014)	\$ (45,037,665)	\$ 93,122,896	\$ (36,877,104)

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
<b>Total Current Year Terminated Swaps</b>				\$ -				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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								



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt	
<u>Cash Flow to Date</u>	
Synthetic Fixed =	\$67,750,080
Fixed Rate =	\$76,497,670
<u>Assumptions:</u>	
- 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"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

May  
2014

DATE	AMOUNT	VENDOR	PURPOSE
5/2/2014	705,186.44	BANK OF AMERICA	ACH Payments for Payroll
5/16/2014	718,430.36	BANK OF AMERICA	ACH Payments for Payroll
5/30/2014	716,287.83	BANK OF AMERICA	ACH Payments for Payroll
	<u><b>\$2,139,904.63</b></u>		



Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
348277	01-MAY-14	01-MAY-14	EXTERMINATING INC		111.96	06-MAY-14	111.96	Reconciled
348278	01-MAY-14	01-MAY-14	GANAHL LUMBER CO.		212.12	05-MAY-14	212.12	Reconciled
348279	01-MAY-14	01-MAY-14	GLOBALSTAR INC		387.63	05-MAY-14	387.63	Reconciled
348280	01-MAY-14	01-MAY-14	GRAINGER		1,614.27	05-MAY-14	1,614.27	Reconciled
348281	01-MAY-14	01-MAY-14	GRAYBAR ELECTRIC COMPANY		683.19	05-MAY-14	683.19	Reconciled
348282	01-MAY-14	01-MAY-14	GRIFFIN DEWATERING CORPORATION		8,578.44	09-MAY-14	8,578.44	Reconciled
348283	01-MAY-14	01-MAY-14	H2O INNOVATION USA INC		445.19	05-MAY-14	445.19	Reconciled
348284	01-MAY-14	01-MAY-14	HACH COMPANY		21,240.00	07-MAY-14	21,240.00	Reconciled
348285	01-MAY-14	01-MAY-14	HARDY & HARPER INC		11,840.78	07-MAY-14	11,840.78	Reconciled
348286	01-MAY-14	01-MAY-14	HILL BROTHERS CHEMICAL COMPANY		22.54	06-MAY-14	22.54	Reconciled
348287	01-MAY-14	01-MAY-14	HOME DEPOT USA INC		34,331.47	06-MAY-14	34,331.47	Reconciled
348288	01-MAY-14	01-MAY-14	II FUELS INC		394.27	05-MAY-14	394.27	Reconciled
			INDUSTRIAL METAL SUPPLY CO					

IRWD Ledger Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 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								
348289	01-MAY-14	01-MAY-14	INTERNAL REVENUE SERVICE		100.00	07-MAY-14	100.00	Reconciled
348290	01-MAY-14	01-MAY-14	ION WAVE TECHNOLOGIES, INC.		11,000.00	09-MAY-14	11,000.00	Reconciled
348291	01-MAY-14	01-MAY-14	IRVINE COMMUNITY DEVELOPMENT COMPANY LLC		563,334.89	09-MAY-14	563,334.89	Reconciled
348292	01-MAY-14	01-MAY-14	IRVINE PIPE & SUPPLY INC		1,216.00	02-MAY-14	1,216.00	Reconciled
348293	01-MAY-14	01-MAY-14	IRWD EMPLOYEE ASSOCIATION		680.00	13-MAY-14	680.00	Reconciled
348294	01-MAY-14	01-MAY-14	IRWD-PETTY CASH CUSTODIAN		892.02	02-MAY-14	892.02	Reconciled
348295	01-MAY-14	01-MAY-14	JOHN G. ALEVIZOS D.O. INC.		25.00	06-MAY-14	25.00	Reconciled
348296	01-MAY-14	01-MAY-14	KAZARIANS & ASSOCIATES, INC.		1,637.00	06-MAY-14	1,637.00	Reconciled
348297	01-MAY-14	01-MAY-14	KELLY SERVICES INC		283.40	05-MAY-14	283.40	Reconciled
348298	01-MAY-14	01-MAY-14	KENT & AMY DAHLBERG		4,184.30	05-MAY-14	4,184.30	Reconciled
348299	01-MAY-14	01-MAY-14	KOELLER NEBEKER CARLSON & HALUCK, LLP		19,408.55	07-MAY-14	19,408.55	Reconciled
348300	01-MAY-14	01-MAY-14	KS DIRECT LLC		2,033.64	02-MAY-14	2,033.64	Reconciled
348301	01-MAY-14	01-MAY-14	LAGUNA BEACH COUNTY WATER DISTRICT		13,703.19	08-MAY-14	13,703.19	Reconciled
348302	01-MAY-14	01-MAY-14	LCS TECHNOLOGIES, INC.		19,625.00	07-MAY-14	19,625.00	Reconciled
348303	01-MAY-14	01-MAY-14	LUBRICATION ENGINEERS, INC.		653.29	05-MAY-14	653.29	Reconciled
348304	01-MAY-14	01-MAY-14	MC MASTER CARR SUPPLY CO		417.82	05-MAY-14	417.82	Reconciled
348305	01-MAY-14	01-MAY-14	MERCURY INSURANCE		13,264.01			Negotiable
348306	01-MAY-14	01-MAY-14	MOODY'S INVESTORS SERVICE INC		7,000.00	08-MAY-14	7,000.00	Reconciled
348307	01-MAY-14	01-MAY-14	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		75.00	05-MAY-14	75.00	Reconciled
348308	01-MAY-14	01-MAY-14	MUTUAL PROPANE		107.14	05-MAY-14	107.14	Reconciled
348309	01-MAY-14	01-MAY-14	NATIONAL READY MIXED CONCRETE CO		442.32	05-MAY-14	442.32	Reconciled
348310	01-MAY-14	01-MAY-14	NEW PIG CORPORATION		788.95	07-MAY-14	788.95	Reconciled
348311	01-MAY-14	01-MAY-14	OLIN CORPORATION		11,291.55	09-MAY-14	11,291.55	Reconciled

IRWD Ledger Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 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								
348312	01-MAY-14	01-MAY-14	ORANGE COUNTY AUTO PARTS CO		559.38	02-MAY-14	559.38	Reconciled
348313	01-MAY-14	01-MAY-14	ORANGE COUNTY FIRE AUTHORITY		353.00	06-MAY-14	353.00	Reconciled
348314	01-MAY-14	01-MAY-14	ORANGE COUNTY TREASURER		176.00	02-MAY-14	176.00	Reconciled
348315	01-MAY-14	01-MAY-14	PACIFIC GAS AND ELECTRIC COMPANY		18.56	05-MAY-14	18.56	Reconciled
348316	01-MAY-14	01-MAY-14	PACIFIC PARTS & CONTROLS INC		545.87	05-MAY-14	545.87	Reconciled

348317	01-MAY-14	PARKHOUSE TIRE INC	1,276.71	06-MAY-14	1,276.71	Reconciled
348318	01-MAY-14	PARKWAY LAWNMOWER SHOP	138.54	05-MAY-14	138.54	Reconciled
348319	01-MAY-14	PARMA	100.00	19-MAY-14	100.00	Reconciled
348320	01-MAY-14	PAUL E BRADLEY INC	3,150.00	08-MAY-14	3,150.00	Reconciled
348321	01-MAY-14	PERS LONG TERM CARE	738.95	07-MAY-14	738.95	Reconciled
348322	01-MAY-14	PILLSBURY WINTHROP SHAW PITTMAN LLP	3,411.00	05-MAY-14	3,411.00	Reconciled
348323	01-MAY-14	PMC ENGINEERING LLC.	743.33	05-MAY-14	743.33	Reconciled
348324	01-MAY-14	POWER DESIGN	7,056.72	08-MAY-14	7,056.72	Reconciled
348325	01-MAY-14	PRO GROWERS INC	10,304.71	13-MAY-14	10,304.71	Reconciled
348326	01-MAY-14	PURCO FLEET SERVICES, INC.	105.00	06-MAY-14	105.00	Reconciled
348327	01-MAY-14	RAINBOW NUT & BOLT INC	453.82	05-MAY-14	453.82	Reconciled
348328	01-MAY-14	RICHARD C SLADE & ASSOCIATES LLC	2,912.00	15-MAY-14	2,912.00	Reconciled
348329	01-MAY-14	RITE AID PHARMACY	20.00	07-MAY-14	20.00	Reconciled
348330	01-MAY-14	RRM DESIGN GROUP	6,870.00	07-MAY-14	6,870.00	Reconciled
348331	01-MAY-14	SAFECO INSURANCE COMPANY OF AMERICA	5,080.10			Negotiable
348332	01-MAY-14	SANTA MARGARITA FORD	1,663.14	05-MAY-14	1,663.14	Reconciled
348333	01-MAY-14	SHAMROCK SUPPLY CO INC	2,002.78	02-MAY-14	2,002.78	Reconciled
348334	01-MAY-14	SOUTHERN CALIFORNIA EDISON COMPANY	138,455.66	05-MAY-14	138,455.66	Reconciled
348335	01-MAY-14	SOUTHERN CALIFORNIA SECURITY CENTER, INC.	215.48	09-MAY-14	215.48	Reconciled
348336	01-MAY-14	SS MECHANICAL CORPORATION	2,562.50	05-MAY-14	2,562.50	Reconciled

IRWD Ledger Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 5  
 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								
348337		01-MAY-14	SS MECHANICAL CORPORATION		48,687.50	07-MAY-14	48,687.50	Reconciled
348338		01-MAY-14	STAR BRITE BUILDING MAINTENANCE INC		11,963.75	07-MAY-14	11,963.75	Reconciled
348339		01-MAY-14	STATE FARM INSURANCE		1,612.45			Negotiable
348340		01-MAY-14	SUPERIOR WATER TECHNOLOGIES		6,901.20	08-MAY-14	6,901.20	Reconciled
348341		01-MAY-14	T AND S LARSEN MAINTENANCE		400.00	05-MAY-14	400.00	Reconciled
348342		01-MAY-14	THE NEW HOME COMPANY		820.01			Negotiable
348343		01-MAY-14	THYSENKRUPP ELEVATOR		162.89	05-MAY-14	162.89	Reconciled
348344		01-MAY-14	TIC-IPG-COMMON		690.37	09-MAY-14	690.37	Reconciled
348345		01-MAY-14	TROPICAL PLAZA NURSERY INC		40,125.55	06-MAY-14	40,125.55	Reconciled
348346		01-MAY-14	TRUCPARCO		710.05	08-MAY-14	710.05	Reconciled
348347		01-MAY-14	TRUGREEN LANDCARE LLC		18,800.00	07-MAY-14	18,800.00	Reconciled
348348		01-MAY-14	ULTRA SCIENTIFIC		233.05	06-MAY-14	233.05	Reconciled
348349		01-MAY-14	UNITED PARCEL SERVICE INC		36.45	05-MAY-14	36.45	Reconciled
348350		01-MAY-14	URS CORPORATION		28,683.01	08-MAY-14	28,683.01	Reconciled
348351		01-MAY-14	US BANK NAT'L ASSOCIATION NORTH DAKOTA		43,943.13	12-MAY-14	43,943.13	Reconciled
348352		01-MAY-14	USA BLUEBOOK		1,062.21	05-MAY-14	1,062.21	Reconciled
348353		01-MAY-14	VA CONSULTING, INC		6,655.00	06-MAY-14	6,655.00	Reconciled
348354		01-MAY-14	VA CONSULTING, INC		5,390.00	06-MAY-14	5,390.00	Reconciled
348355		01-MAY-14	VANCIU ELECTRIC INC		7,200.00	07-MAY-14	7,200.00	Reconciled
348356		01-MAY-14	VERIZON CALIFORNIA INC		148.00	07-MAY-14	148.00	Reconciled
348357		01-MAY-14	VERIZON WIRELESS SERVICES LLC		6,379.70	12-MAY-14	6,379.70	Reconciled
348358		01-MAY-14	WAXIE'S ENTERPRISES, INC		208.81	05-MAY-14	208.81	Reconciled
348359		01-MAY-14	WECK LABORATORIES INC		225.00	02-MAY-14	225.00	Reconciled
348360		01-MAY-14	Jones, Morgan HOME		55.00			Negotiable
348361		02-MAY-14	Dillhoefer, Edwin HOME J (Ed)		274.29	05-MAY-14	274.29	Reconciled

IRWD Ledger Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 6  
 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								
348362		02-MAY-14	SOUTH COAST AIR	PAY	1,356.24	05-MAY-14	1,356.24	Reconciled
348363		02-MAY-14	QUALITY MANAGEMENT DISTRICT					
348364		02-MAY-14	SOUTH COAST AIR	PAY	118.94	05-MAY-14	118.94	Reconciled
348365		02-MAY-14	QUALITY MANAGEMENT DISTRICT					
348366		02-MAY-14	ALSTON & BIRD LLP		2,772.22	06-MAY-14	2,772.22	Reconciled
348367		02-MAY-14	BELL, CHERYL N		29.59	12-MAY-14	29.59	Reconciled
348368		02-MAY-14	CALIFORNIA BARRICADE INC		3,050.00	07-MAY-14	3,050.00	Reconciled
348369		02-MAY-14	CHALASANI, KIRAN		26.58	19-MAY-14	26.58	Reconciled
348370		02-MAY-14	CHEN, CHIN FING		34.82	08-MAY-14	34.82	Reconciled
348371		02-MAY-14	CHO, YOON SUN		102.46	15-MAY-14	102.46	Reconciled
348372		02-MAY-14	CONDITION MONITORING SERVICES INC		5,060.50	08-MAY-14	5,060.50	Reconciled
348373		02-MAY-14	CONEYBEARE INC		13,522.25	08-MAY-14	13,522.25	Reconciled
348374		02-MAY-14	DANIELIAN ASSOCIATES		1,165.20	12-MAY-14	1,165.20	Reconciled
348375		02-MAY-14	DECKSIDE POOL SERVICE		754.62	05-MAY-14	754.62	Reconciled
348376		02-MAY-14	DOOSTZADEH, DAVOOD		29.16	13-MAY-14	29.16	Reconciled
348377		02-MAY-14	FIRE EXTINGUISHING SAFETY & SERVICE		557.99	06-MAY-14	557.99	Reconciled
348378		02-MAY-14	GLEASON, SCOTT		17.77			Negotiable
348379		02-MAY-14	GRAINGER		285.77	05-MAY-14	285.77	Reconciled
348380		02-MAY-14	GRAVES, DAVID		43.25	09-MAY-14	43.25	Reconciled
348381		02-MAY-14	HAMEL, MARK		66.76	12-MAY-14	66.76	Reconciled
348382		02-MAY-14	HAMROCK, TAMMY		24.43	28-MAY-14	24.43	Reconciled
348383		02-MAY-14	HAYEK, SCOTT		60.67	06-MAY-14	60.67	Reconciled
348384		02-MAY-14	HICKS, MARK		31.84	28-MAY-14	31.84	Reconciled
348385		02-MAY-14	HILL BROTHERS CHEMICAL COMPANY		3,344.20	05-MAY-14	3,344.20	Reconciled
348386		02-MAY-14	IRVINE PIPE & SUPPLY INC		316.99	05-MAY-14	316.99	Reconciled
348387		02-MAY-14	JENKINS, JEANNIE		36.78	12-MAY-14	36.78	Reconciled
348388		02-MAY-14	JOHN G. ALEVIZOS D.O. INC.		170.00	06-MAY-14	170.00	Reconciled
348389		02-MAY-14	KANNO, ATSUSHI		5,897.10	19-MAY-14	5,897.10	Reconciled
348390		02-MAY-14	KELLY SERVICES INC		3,921.51	05-MAY-14	3,921.51	Reconciled
348391		02-MAY-14	KIM, JINSOOK		15.00	06-MAY-14	15.00	Reconciled
348392		02-MAY-14	KIM, KYOSEONG		44.53	08-MAY-14	44.53	Reconciled
348393		02-MAY-14	LBA/PPF IND TOWNE CTR DR LLC		16.45			Negotiable
348394		02-MAY-14	LEE, MELODY		37.84			Negotiable
348395		02-MAY-14	LENNAR HOMES		57.71	13-MAY-14	57.71	Reconciled
IRWD Ledger Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19								
BANK: Bank of America N.A.			Branch : Los Angeles		Account: Checking AP and PR		Page: 7	
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								
348394		02-MAY-14	LETZ, NICOLE		22.38	05-MAY-14	22.38	Reconciled
348395		02-MAY-14	LI, HUI		32.61	05-MAY-14	32.61	Reconciled
348396		02-MAY-14	LI, YANG		15.00	15-MAY-14	15.00	Reconciled
348397		02-MAY-14	LIN, MINGTING		75.76			Negotiable
348398		02-MAY-14	LIN, QILING		36.10			Negotiable
348399		02-MAY-14	LITMAN, CARINA		48.75	06-MAY-14	48.75	Reconciled
348400		02-MAY-14	MC MASTER CARR SUPPLY CO		2,339.11	05-MAY-14	2,339.11	Reconciled
348401		02-MAY-14	MIGLIORE, RENEE		40.92	05-MAY-14	40.92	Reconciled
348402		02-MAY-14	MILLER, WENDY		23.79	22-MAY-14	23.79	Reconciled
348403		02-MAY-14	MIRANDA, DANIEL		23.33	09-MAY-14	23.33	Reconciled
348404		02-MAY-14	MISCOWATER		1,882.24	19-MAY-14	1,882.24	Reconciled
348405		02-MAY-14	MITCHELL, SEAN		67.76	07-MAY-14	67.76	Reconciled
348406		02-MAY-14	MSC INDUSTRIAL SUPPLY CO		555.42	08-MAY-14	555.42	Reconciled
348407		02-MAY-14	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		2,095.50	05-MAY-14	2,095.50	Reconciled
348408		02-MAY-14	NEWAGE INDUSTRIES INC		700.39	06-MAY-14	700.39	Reconciled
348409		02-MAY-14	NGUYEN, JOHN		1,466.87	05-MAY-14	1,466.87	Reconciled
348410		02-MAY-14	NGUYEN, PHI T		920.18	09-MAY-14	920.18	Reconciled
348411		02-MAY-14	ON ASSIGNMENT LAB SUPPORT		1,120.32	05-MAY-14	1,120.32	Reconciled
348412		02-MAY-14	PAYNE & FEARS LLP		1,081.25	05-MAY-14	1,081.25	Reconciled
348413		02-MAY-14	PEARPOINT		229.04	06-MAY-14	229.04	Reconciled
348414		02-MAY-14	PILLSBURY WINTHROP SHAW PITTMAN LLP		6,368.00	08-MAY-14	6,368.00	Reconciled
348415		02-MAY-14	PRESCOTT, LOUISE		23.51	09-MAY-14	23.51	Reconciled
348416		02-MAY-14	QUICK, STEVEN		124.05	06-MAY-14	124.05	Reconciled
348417		02-MAY-14	RAITZ, CLIFF		91.88	16-MAY-14	91.88	Reconciled

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348418	02-MAY-14	RICHARD PETTY DRIVING EXPERIENCE	948.34	08-MAY-14	948.34	Reconciled
348419	02-MAY-14	ROH, FRANK	3.93			Negotiable
348420	02-MAY-14	RPT PROPERTIES	50.97	07-MAY-14	50.97	Reconciled
348421	02-MAY-14	SAUL, MICHAEL	54.63			Negotiable
348422	02-MAY-14	SHARE, SHAREY	5.17	05-MAY-14	5.17	Reconciled
348423	02-MAY-14	STANTEC CONSULTING SERVICES INC.	5,596.40	08-MAY-14	5,596.40	Reconciled
348424	02-MAY-14	STEELE, BRIAN	38.34	05-MAY-14	38.34	Reconciled
348425	02-MAY-14	SUPREMO-ESTOQUE, ELAINE	91.07	06-MAY-14	91.07	Reconciled
348426	02-MAY-14	TELEDYNE ISCO, INC.	7,492.88	12-MAY-14	7,492.88	Reconciled
348427	02-MAY-14	TROPICAL PLAZA NURSERY INC	1,602.45	05-MAY-14	1,602.45	Reconciled

IRWD Ledger Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 8  
 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								
348428		02-MAY-14	UNITED PARCEL SERVICE INC		31.53	06-MAY-14	31.53	Reconciled
348429		02-MAY-14	WAXIE'S ENTERPRISES, INC		670.79	06-MAY-14	670.79	Reconciled
348430		02-MAY-14	WESTERN NATIONAL CONTRACTORS		792.05			Negotiable
348431		02-MAY-14	YUNG, GARY		58.96			Negotiable
348432		08-MAY-14	SOUTHERN CALIFORNIA EDISON COMPANY	ROSEMEAD 1	2,417.03	13-MAY-14	2,417.03	Reconciled
348433		08-MAY-14	K AND K CONSTRUCTION	PURCHASE	2,300.00	08-MAY-14	2,300.00	Reconciled
348434		08-MAY-14	Mossbarger, Anthony J (Tony)		42.34	08-MAY-14	42.34	Reconciled
348435		08-MAY-14	Lin, Eileen (Eileen)		1,295.00	09-MAY-14	1,295.00	Reconciled
348436		08-MAY-14	Duarte, Elizabeth (Elizabeth)		15.68	12-MAY-14	15.68	Reconciled
348437		08-MAY-14	Garza, Gaspar		340.00	12-MAY-14	340.00	Reconciled
348438		08-MAY-14	Sanchez, Hector A (Hector)		200.00			Negotiable
348439		08-MAY-14	Moeder, Jacob J (Jacob)		115.00	09-MAY-14	115.00	Reconciled
348440		08-MAY-14	Pan, Jenny W (Jenny)		12.32			Negotiable
348441		08-MAY-14	Burton, Kevin L (Kevin)		115.00	08-MAY-14	115.00	Reconciled
348442		08-MAY-14	Bonkowski, Leslie A (Leslie)		195.39	09-MAY-14	195.39	Reconciled
348443		08-MAY-14	Lewis, Lyndy R		15.68	15-MAY-14	15.68	Reconciled
348444		08-MAY-14	Cortez, Malcolm A (Malcolm)		77.28			Negotiable
348445		08-MAY-14	Matheis, Mary Aileen		244.00	12-MAY-14	244.00	Reconciled
348446		08-MAY-14	Reed, Shannon (Shannon)		189.28	12-MAY-14	189.28	Reconciled
348447		08-MAY-14	Malloy, Steven L (Steven)		366.05	12-MAY-14	366.05	Reconciled
348448		08-MAY-14	Tegel, Zackariah W (Zack)		60.00	14-MAY-14	60.00	Reconciled
348449		08-MAY-14	1 STOP POOL PROS INC		646.41	16-MAY-14	646.41	Reconciled
348450		08-MAY-14	ADS LLC		27,817.00	19-MAY-14	27,817.00	Reconciled
348451		08-MAY-14	ALEXANDER CONTRACT SERVICES INC		104,600.76	15-MAY-14	104,600.76	Reconciled

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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								
348452		08-MAY-14	ALPHA TRAFFIC SERVICES, INC.		520.00	16-MAY-14	520.00	Reconciled
348453		08-MAY-14	AMERICAN MESSAGING SERVICES LLC		292.82	13-MAY-14	292.82	Reconciled
348454		08-MAY-14	ANTHEM BLUE CROSS		562.26	19-MAY-14	562.26	Reconciled
348455		08-MAY-14	APCO GRAPHICS INC		173.66	12-MAY-14	173.66	Reconciled
348456		08-MAY-14	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA		33,855.58	16-MAY-14	33,855.58	Reconciled
348457		08-MAY-14	AT&T		2,969.37	12-MAY-14	2,969.37	Reconciled
348458		08-MAY-14	ATHENS SERVICES		12,253.06	14-MAY-14	12,253.06	Reconciled
348459		08-MAY-14	AUTOZONE PARTS, INC.		238.42	12-MAY-14	238.42	Reconciled

348460	08-MAY-14	BALLESTA, ANALIE	25.47	12-MAY-14	25.47	Reconciled
348461	08-MAY-14	BK FOUNTAIN WORKS	1,506.98	09-MAY-14	1,506.98	Reconciled
348462	08-MAY-14	BLUE, JOHN	25.40			Voided
348463	08-MAY-14	BYUN, KEVIN	60.06	23-MAY-14	60.06	Reconciled
348464	08-MAY-14	C WELLS PIPELINE MATERIALS INC	107,619.84	15-MAY-14	107,619.84	Reconciled
348465	08-MAY-14	CHO DESIGN ASSOCIATES, INC	2,500.00	12-MAY-14	2,500.00	Reconciled
348466	08-MAY-14	CITY OF IRVINE	2,107.67			Negotiable
348467	08-MAY-14	CONDITION MONITORING SERVICES INC	355.00	12-MAY-14	355.00	Reconciled
348468	08-MAY-14	CONEYBEARE INC	12,878.24	15-MAY-14	12,878.24	Reconciled
348469	08-MAY-14	CREATIVE ALLIANCE GROUP LLC	500.00	13-MAY-14	500.00	Reconciled
348470	08-MAY-14	CREDENTIAL CHECK CORPORATION	115.32	12-MAY-14	115.32	Reconciled
348471	08-MAY-14	CSMFO	60.00			Negotiable
348472	08-MAY-14	DECKER, SILLA	18.61			Negotiable
348473	08-MAY-14	EAGLE PRINT DYNAMICS	2,015.32	09-MAY-14	2,015.32	Reconciled
348474	08-MAY-14	EAST ORANGE COUNTY WATER DISTRICT	2,561.24	09-MAY-14	2,561.24	Reconciled
348475	08-MAY-14	EMPLOYEE BENEFIT SPECIALIST, INC	710.00	15-MAY-14	710.00	Reconciled
348476	08-MAY-14	EMPLOYMENT DEVELOPMENT DEPARTMENT	4,188.00	13-MAY-14	4,188.00	Reconciled
348477	08-MAY-14	EXECUTIVE LIGHTING & ELECTRIC	964.99	09-MAY-14	964.99	Reconciled
348478	08-MAY-14	EXPRESSAIR	289.90	20-MAY-14	289.90	Reconciled
348479	08-MAY-14	EXTERRAN ENERGY SOLUTIONS LP	90,836.00	16-MAY-14	90,836.00	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 10  
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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								
348480		08-MAY-14	FARRELL & ASSOCIATES		177.50	16-MAY-14	177.50	Reconciled
348481		08-MAY-14	FEDEX		255.07	12-MAY-14	255.07	Reconciled
348482		08-MAY-14	FERGUSON ENTERPRISES, INC.		605.70	12-MAY-14	605.70	Reconciled
348483		08-MAY-14	FIDELITY SECURITY LIFE INSURANCE COMPANY		6,054.27	16-MAY-14	6,054.27	Reconciled
348484		08-MAY-14	FIRST CHOICE SERVICES		1,096.24	13-MAY-14	1,096.24	Reconciled
348485		08-MAY-14	FISHER SCIENTIFIC COMPANY LLC		3,712.07	12-MAY-14	3,712.07	Reconciled
348486		08-MAY-14	FRANK, CHEN		101.64	21-MAY-14	101.64	Reconciled
348487		08-MAY-14	GANAHL LUMBER CO.		2,823.79	13-MAY-14	2,823.79	Reconciled
348488		08-MAY-14	GERTSEN, AMY		19.72	19-MAY-14	19.72	Reconciled
348489		08-MAY-14	GRAINGER		5,062.31	19-MAY-14	5,062.31	Reconciled
348490		08-MAY-14	GRIFFIN DEWATERING CORPORATION		2,040.84	12-MAY-14	2,040.84	Reconciled
348491		08-MAY-14	GUTHRIE ASSET MANAGEMENT		5,477.81	15-MAY-14	5,477.81	Reconciled
348492		08-MAY-14	HAAKER EQUIPMENT COMPANY		349.27	09-MAY-14	349.27	Reconciled
348493		08-MAY-14	HACH COMPANY		702.33	12-MAY-14	702.33	Reconciled
348494		08-MAY-14	HAYES, MATTHEW		29.51	12-MAY-14	29.51	Reconciled
348495		08-MAY-14	HEWITT ASSOCIATES LLC		17,500.00	20-MAY-14	17,500.00	Reconciled
348496		08-MAY-14	HILL BROTHERS CHEMICAL COMPANY		3,878.00	09-MAY-14	3,878.00	Reconciled
348497		08-MAY-14	HOME DEPOT USA INC		981.78	13-MAY-14	981.78	Reconciled
348498		08-MAY-14	HUNSAKER & ASSOCIATES IRVINE		2,520.00	12-MAY-14	2,520.00	Reconciled
348499		08-MAY-14	HYDRO-SCAPE PRODUCTS INC		392.49	12-MAY-14	392.49	Reconciled
348500		08-MAY-14	IMHOOF, KARIN		80.56			Negotiable
348501		08-MAY-14	INOUYE, CHRIS		15.50			Negotiable
348502		08-MAY-14	IRVINE PACIFIC, LP		373.69	09-MAY-14	373.69	Reconciled
348503		08-MAY-14	IRVINE PIPE & SUPPLY INC		146.80	09-MAY-14	146.80	Reconciled
348504		08-MAY-14	JANG, JAMES		27.74			Negotiable
348505		08-MAY-14	JCI JONES CHEMICALS INC		5,505.50	12-MAY-14	5,505.50	Reconciled
348506		08-MAY-14	JOHN G. ALEVIZOS D.O. INC.		225.00	13-MAY-14	225.00	Reconciled
348507		08-MAY-14	KELLY SERVICES INC		1,426.00	12-MAY-14	1,426.00	Reconciled
348508		08-MAY-14	KIM, SHAWN		1,929.27	15-MAY-14	1,929.27	Reconciled
348509		08-MAY-14	KIMBALL MIDWEST		2,211.70	15-MAY-14	2,211.70	Reconciled

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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								
348510		08-MAY-14	KLEINFELDER WEST INC		20,050.85	15-MAY-14	20,050.85	Reconciled
348511		08-MAY-14	LEE & RO, INC.		7,249.46	14-MAY-14	7,249.46	Reconciled
348512		08-MAY-14	LEE, CHIU-HUA		15.00			Negotiable
348513		08-MAY-14	LEE, WEI-JEN		12.42	29-MAY-14	12.42	Reconciled
348514		08-MAY-14	LEIGHTON CONSULTING, INC.		982.00	09-MAY-14	982.00	Reconciled
348515		08-MAY-14	LEWIS OPERATING CORP		800.00	14-MAY-14	800.00	Reconciled
348516		08-MAY-14	LU'S LIGHTHOUSE, INC.		1,344.59	12-MAY-14	1,344.59	Reconciled
348517		08-MAY-14	MALONE, MICHAEL		12.15			Negotiable
348518		08-MAY-14	MARVIN GARDENS LLC		185.76	09-MAY-14	185.76	Reconciled
348519		08-MAY-14	MC MASTER CARR SUPPLY CO		482.61	12-MAY-14	482.61	Reconciled
348520		08-MAY-14	MCGLOTHLIN, KEN		60.15	14-MAY-14	60.15	Reconciled
348521		08-MAY-14	MEENA, KELLY		45.99	19-MAY-14	45.99	Reconciled
348522		08-MAY-14	MR CRANE INC		2,999.80	09-MAY-14	2,999.80	Reconciled
348523		08-MAY-14	MSC INDUSTRIAL SUPPLY CO		455.69	14-MAY-14	455.69	Reconciled
348524		08-MAY-14	NATIONAL READY MIXED CONCRETE CO		1,070.20	12-MAY-14	1,070.20	Reconciled
348525		08-MAY-14	NATURES IMAGE INC		7,421.87	14-MAY-14	7,421.87	Reconciled
348526		08-MAY-14	NEWPORT BEACH CHAMBER OF COMMERCE		2,500.00	13-MAY-14	2,500.00	Reconciled
348527		08-MAY-14	NIRVANA ALONSO		60.00			Negotiable
348528		08-MAY-14	NORITSU AMERICA CORPORATION		480.00	13-MAY-14	480.00	Reconciled
348529		08-MAY-14	OLIN CORPORATION		16,861.77	16-MAY-14	16,861.77	Reconciled
348530		08-MAY-14	ONESOURCE DISTRIBUTORS LLC		5,376.25	15-MAY-14	5,376.25	Reconciled
348531		08-MAY-14	ORANGE COUNTY AUTO PARTS CO		186.73	09-MAY-14	186.73	Reconciled
348532		08-MAY-14	ORANGETREE PATIO		1,347.04	09-MAY-14	1,347.04	Reconciled
348533		08-MAY-14	OUTSOURCE TECHNICAL LLC		25,216.00	16-MAY-14	25,216.00	Reconciled
348534		08-MAY-14	PAC RIM ENGINEERING		3,750.00	15-MAY-14	3,750.00	Reconciled
348535		08-MAY-14	PACIFIC COAST BOLT CORP		466.17	09-MAY-14	466.17	Reconciled
348536		08-MAY-14	PAPER DEPOT DOCUMENT DESTRUCTION LLC		926.00	09-MAY-14	926.00	Reconciled
348537		08-MAY-14	PARADA PAINTING INC		5,105.25	19-MAY-14	5,105.25	Reconciled
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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								
348538		08-MAY-14	PARKHOUSE TIRE INC		3,752.09	12-MAY-14	3,752.09	Reconciled
348539		08-MAY-14	PAULUS ENGINEERING INC		16,242.52	14-MAY-14	16,242.52	Reconciled
348540		08-MAY-14	PEARPOINT		4,617.13	12-MAY-14	4,617.13	Reconciled
348541		08-MAY-14	PINE ENVIRONMENTAL SERVICES LLC		11,544.29	16-MAY-14	11,544.29	Reconciled
348542		08-MAY-14	PONTON INDUSTRIES INC		6,906.95	16-MAY-14	6,906.95	Reconciled
348543		08-MAY-14	POWER DESIGN		7,504.69	19-MAY-14	7,504.69	Reconciled
348544		08-MAY-14	PRAXAIR DISTRIBUTION INC		1,111.76	12-MAY-14	1,111.76	Reconciled
348545		08-MAY-14	PRINCIPAL LIFE INSURANCE		26,717.72	16-MAY-14	26,717.72	Reconciled
348546		08-MAY-14	PROPERTIES KB		36.16	23-MAY-14	36.16	Reconciled
348547		08-MAY-14	PSOMAS		2,117.00	12-MAY-14	2,117.00	Reconciled
348548		08-MAY-14	PTI SAND & GRAVEL INC		484.05	13-MAY-14	484.05	Reconciled
348549		08-MAY-14	RAINBOW DISPOSAL CO INC		506.33	09-MAY-14	506.33	Reconciled
348550		08-MAY-14	REACH EMPLOYEE ASSISTANCE INC		870.80	28-MAY-14	870.80	Reconciled
348551		08-MAY-14	READY, ROBERT		29.25	21-MAY-14	29.25	Reconciled
348552		08-MAY-14	REAL GREEN INC.		28,560.00	15-MAY-14	28,560.00	Reconciled
348553		08-MAY-14	RESOLUTE CONTRACTORS INC		535.00	09-MAY-14	535.00	Reconciled
348554		08-MAY-14	RYAN HERCO PRODUCTS CORP		2,262.49	12-MAY-14	2,262.49	Reconciled
348555		08-MAY-14	RYLAND HOMES OF CALIFORNIA INC		250.93	09-MAY-14	250.93	Reconciled
348556		08-MAY-14	SCHINDLER ELEVATOR CORPORATION		169.16	12-MAY-14	169.16	Reconciled
348557		08-MAY-14	SCHWARTZ, JOSHUA		37.27	29-MAY-14	37.27	Reconciled

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348558	08-MAY-14	SECURTEC DISTRICT PATROL INC		10,800.00	16-MAY-14	10,800.00	Reconciled
348559	08-MAY-14	SIGNATURE CONTROL SYSTEMS INC		72.25	13-MAY-14	72.25	Reconciled
348560	08-MAY-14	SIMI VALLEY LANDFILL AND RECYCLING CENTER		684.64	14-MAY-14	684.64	Reconciled
348561	08-MAY-14	SOUTH BAY FOUNDRY, INC		5,400.00	15-MAY-14	5,400.00	Reconciled
348562	08-MAY-14	SOUTH COAST WATER DISTRICT		2,582.50	12-MAY-14	2,582.50	Reconciled
348563	08-MAY-14	SOUTHERN CALIFORNIA EDISON COMPANY		9,140.72	14-MAY-14	9,140.72	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 13  
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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
348564		08-MAY-14	SOUTHERN CALIFORNIA EDISON COMPANY		405,015.91	09-MAY-14	405,015.91	Reconciled
348565		08-MAY-14	SOUTHERN COUNTIES LUBRICANTS LLC		1,506.55	12-MAY-14	1,506.55	Reconciled
348566		08-MAY-14	STERILIZER TECHNICAL		375.00	12-MAY-14	375.00	Reconciled
348567		08-MAY-14	TAIT ENVIRONMENTAL SERVICES INC		1,212.05	12-MAY-14	1,212.05	Reconciled
348568		08-MAY-14	TAYLOR MORRISON		15.00	16-MAY-14	15.00	Reconciled
348569		08-MAY-14	TCLA, INC		4,437.50	12-MAY-14	4,437.50	Reconciled
348570		08-MAY-14	TEKDRAUPLICS		13,920.00	14-MAY-14	13,920.00	Reconciled
348571		08-MAY-14	TESTAMERICA LABORATORIES, INC		1,175.65	12-MAY-14	1,175.65	Reconciled
348572		08-MAY-14	THE NEW HOME COMPANY		28.22			Negotiable
348573		08-MAY-14	THE NEW HOME COMPANY		939.87			Negotiable
348574		08-MAY-14	TRUCPARCO		1,234.94	13-MAY-14	1,234.94	Reconciled
348575		08-MAY-14	TRUGREEN LANDCARE LLC		1,336.75	13-MAY-14	1,336.75	Reconciled
348576		08-MAY-14	UNITED PARCEL SERVICE INC		46.73	15-MAY-14	46.73	Reconciled
348577		08-MAY-14	UNITED STATES POSTAL SERVICE		54.95	14-MAY-14	54.95	Reconciled
348578		08-MAY-14	URS CORPORATION		20,850.00	16-MAY-14	20,850.00	Reconciled
348579		08-MAY-14	USA MOBILITY, INC		70.93	14-MAY-14	70.93	Reconciled
348580		08-MAY-14	VEOLIA TRANSPORTATION		692.02	23-MAY-14	692.02	Reconciled
348581		08-MAY-14	VERIZON CALIFORNIA INC		259.50	14-MAY-14	259.50	Reconciled
348582		08-MAY-14	VERIZON WIRELESS SERVICES LLC		726.00	13-MAY-14	726.00	Reconciled
348583		08-MAY-14	VERTEX INC		3,620.00	12-MAY-14	3,620.00	Reconciled
348584		08-MAY-14	VWR INTERNATIONAL, LLC		114.80	12-MAY-14	114.80	Reconciled
348585		08-MAY-14	WALTERS WHOLESALE ELECTRIC		1,332.61	13-MAY-14	1,332.61	Reconciled
348586		08-MAY-14	WASTE MANAGEMENT OF ORANGE COUNTY		3,028.15	14-MAY-14	3,028.15	Reconciled
348587		08-MAY-14	WATER ENVIRONMENT FEDERATION		249.00	16-MAY-14	249.00	Reconciled
348588		08-MAY-14	WAXIE'S ENTERPRISES, INC		924.91	12-MAY-14	924.91	Reconciled
348589		08-MAY-14	WECK LABORATORIES INC		500.00	09-MAY-14	500.00	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 14  
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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								
348590		08-MAY-14	WIRELESS WATCHDOGS, LLC		940.00	27-MAY-14	940.00	Reconciled
348591		08-MAY-14	WORKFLOWONE		2,345.88	12-MAY-14	2,345.88	Reconciled
348592		14-MAY-14	UNITED STATES POSTIRVINE OFFICE		24,580.00	20-MAY-14	24,580.00	Reconciled
348593		15-MAY-14	NASSAU, RYAN	LONG BEACH	161.99	16-MAY-14	161.99	Reconciled
348594		15-MAY-14	Collazo, Carlos C (Carlos)		120.00	15-MAY-14	120.00	Reconciled
348595		15-MAY-14	King, Casey (Casey)		90.00	19-MAY-14	90.00	Reconciled
348596		15-MAY-14	Garza, Gaspar		83.75			Negotiable
348597		15-MAY-14	Lassalette, James P (Jim)		50.00	23-MAY-14	50.00	Reconciled

348598	15-MAY-14	Welch, Kelly A (Kellie)	183.78	15-MAY-14	183.78	Reconciled
348599	15-MAY-14	Pfister, Ken D (Ken)	408.53	21-MAY-14	408.53	Reconciled
348600	15-MAY-14	Reed, Shannon (Shannon)	88.88	19-MAY-14	88.88	Reconciled
348601	15-MAY-14	Bonkowski, Thomas J (Thomas)	54.88	19-MAY-14	54.88	Reconciled
348602	15-MAY-14	ACRALIGHT SOLAR, LLC	12,505.00	21-MAY-14	12,505.00	Reconciled
348603	15-MAY-14	AIRGAS-WEST, INC.	176.27	19-MAY-14	176.27	Reconciled
348604	15-MAY-14	ALL AMERICAN SEWER TOOLS	339.69	16-MAY-14	339.69	Reconciled
348605	15-MAY-14	ARCADIS U.S., INC.	14,820.00	22-MAY-14	14,820.00	Reconciled
348606	15-MAY-14	ARMORCAST PRODUCTS COMPANY	10,201.53	21-MAY-14	10,201.53	Reconciled
348607	15-MAY-14	ASHFORD, WALT	223.41	16-MAY-14	223.41	Reconciled
348608	15-MAY-14	AT&T	5,555.96	23-MAY-14	5,555.96	Reconciled
348609	15-MAY-14	AT&T	245.11			Negotiable
348610	15-MAY-14	AT&T	2,014.33	21-MAY-14	2,014.33	Reconciled
348611	15-MAY-14	AUTOZONE PARTS, INC.	24.75	19-MAY-14	24.75	Reconciled
348612	15-MAY-14	BATTERIES PLUS AND BATTERIES PLUS BULBS	460.30	27-MAY-14	460.30	Reconciled
348613	15-MAY-14	BATTERY SPECIALTIES	1,358.04	20-MAY-14	1,358.04	Reconciled
348614	15-MAY-14	BELL TOWER FLORIST & GIFTS	156.58			Negotiable
348615	15-MAY-14	BIG CANYON COAST INC	1,151.56	28-MAY-14	1,151.56	Reconciled
348616	15-MAY-14	BIGWIG MONSTER, LLC	1,200.00	16-MAY-14	1,200.00	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 15  
 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								
348617		15-MAY-14	BINKERD, ANDY		214.02			Negotiable
348618		15-MAY-14	BIOMAGIC INC		7,472.25	20-MAY-14	7,472.25	Reconciled
348619		15-MAY-14	BRUCE NEWELL		1,316.00	19-MAY-14	1,316.00	Reconciled
348620		15-MAY-14	BUCCOLA LANDSCAPE SERVICES		193.71	19-MAY-14	193.71	Reconciled
348621		15-MAY-14	BUNDITSATHEON, JEFF		52.17	20-MAY-14	52.17	Reconciled
348622		15-MAY-14	BUSH & ASSOCIATES INC		4,208.00			Negotiable
348623		15-MAY-14	C WELLS PIPELINE MATERIALS INC		112.11	20-MAY-14	112.11	Reconciled
348624		15-MAY-14	CALIFORNIA BARRICADE INC		1,592.50	19-MAY-14	1,592.50	Reconciled
348625		15-MAY-14	CANON FINANCIAL SERVICES, INC		8,422.12	22-MAY-14	8,422.12	Reconciled
348626		15-MAY-14	CANON SOLUTIONS AMERICA, INC.		4,576.88	19-MAY-14	4,576.88	Reconciled
348627		15-MAY-14	CARL WARREN & CO		2,059.11	19-MAY-14	2,059.11	Reconciled
348628		15-MAY-14	CDW GOVERNMENT LLC		1,856.52	20-MAY-14	1,856.52	Reconciled
348629		15-MAY-14	CHEM SERVICE INC.		88.20	19-MAY-14	88.20	Reconciled
348630		15-MAY-14	CHEN, JULIE - ACCT 16034409090		30.20	21-MAY-14	30.20	Reconciled
348631		15-MAY-14	Kessler, Christian L (Christian)		652.95	16-MAY-14	652.95	Reconciled
348632		15-MAY-14	CLEARINGHOUSE		548.29	20-MAY-14	548.29	Reconciled
348633		15-MAY-14	COAST PLUMBING HEATING AND AIR, INC		1,485.18	19-MAY-14	1,485.18	Reconciled
348634		15-MAY-14	COASTAL IGNITION & CONTROLS, INC		567.00	20-MAY-14	567.00	Reconciled
348635		15-MAY-14	CONEYBEARE INC		14,847.79	22-MAY-14	14,847.79	Reconciled
348636		15-MAY-14	CORELOGIC INC		42.00	20-MAY-14	42.00	Reconciled
348637		15-MAY-14	COUNTY CIRCUIT BREAKERS		2,052.00	22-MAY-14	2,052.00	Reconciled
348638		15-MAY-14	CR & R INCORPORATED		12.30	20-MAY-14	12.30	Reconciled
348639		15-MAY-14	D & G SIGNS		850.50	20-MAY-14	850.50	Reconciled
348640		15-MAY-14	DCSE INC		6,500.00	20-MAY-14	6,500.00	Reconciled
348641		15-MAY-14	DEE JASPAR & ASSOCIATES, INC.		1,351.05	27-MAY-14	1,351.05	Reconciled
348642		15-MAY-14	DISCOVERY SCIENCE CENTER		6,549.24	22-MAY-14	6,549.24	Reconciled
348643		15-MAY-14	EAGLE PRINT DYNAMICS		6,336.63	20-MAY-14	6,336.63	Reconciled
348644		15-MAY-14	ENTERPRISE SECURITY, INC		2,572.50	16-MAY-14	2,572.50	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 16  
 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									
348645		15-MAY-14	ENVIRONMENTAL EXPRESS INC		3,900.10	20-MAY-14	3,900.10	Reconciled	
348646		15-MAY-14	ENVIRONMENTAL RESOURCE ASSOCIATES		1,485.80	20-MAY-14	1,485.80	Reconciled	
348647		15-MAY-14	ENVIRONMENTAL SCIENCE ASSOCIATES		24,116.60	22-MAY-14	24,116.60	Reconciled	
348648		15-MAY-14	EQUIPMENT DIRECT INC		330.88	16-MAY-14	330.88	Reconciled	
348649		15-MAY-14	EXECUTIVE LIGHTING & ELECTRIC		209.14	16-MAY-14	209.14	Reconciled	
348650		15-MAY-14	FARRELL & ASSOCIATES		691.53	16-MAY-14	691.53	Reconciled	
348651		15-MAY-14	FEDEX		317.76	21-MAY-14	317.76	Reconciled	
348652		15-MAY-14	FERGUSON ENTERPRISES, INC.		4,153.68	19-MAY-14	4,153.68	Reconciled	
348653		15-MAY-14	FISHER SCIENTIFIC COMPANY LLC		1,061.78	19-MAY-14	1,061.78	Reconciled	
348654		15-MAY-14	FLETCHER, MONIQUE		23.48			Negotiable	
348655		15-MAY-14	FRONTLINE MANAGEMENT INC		149.00	20-MAY-14	149.00	Reconciled	
348656		15-MAY-14	GJ AUTOMOTIVE EQUIPMENT CO INC		742.50	16-MAY-14	742.50	Reconciled	
348657		15-MAY-14	GOLDEN BELL PRODUCTS		16,575.00	21-MAY-14	16,575.00	Reconciled	
348658		15-MAY-14	GOLDMAN, SACHS & CO		21,521.10	22-MAY-14	21,521.10	Reconciled	
348659		15-MAY-14	GRAINGER		293.05	19-MAY-14	293.05	Reconciled	
348660		15-MAY-14	GRAYBAR ELECTRIC COMPANY		4,295.65	19-MAY-14	4,295.65	Reconciled	
348661		15-MAY-14	HACH COMPANY		1,922.95	19-MAY-14	1,922.95	Reconciled	
348662		15-MAY-14	HAMILTON, KURT		911.59	19-MAY-14	911.59	Reconciled	
348663		15-MAY-14	HARBOR ALL GLASS & MIRROR INC.		396.51	29-MAY-14	396.51	Reconciled	
348664		15-MAY-14	HARMSWORTH ASSOCIATES		1,816.00	28-MAY-14	1,816.00	Reconciled	
348665		15-MAY-14	HASLER		542.15	22-MAY-14	542.15	Reconciled	
348666		15-MAY-14	HILL BROTHERS CHEMICAL COMPANY		14,229.05	20-MAY-14	14,229.05	Reconciled	
348667		15-MAY-14	HOME DEPOT USA INC		997.06	20-MAY-14	997.06	Reconciled	
348668		15-MAY-14	HORIZON TECHNOLOGY INC		185.25	19-MAY-14	185.25	Reconciled	
348669		15-MAY-14	INDUSTRIAL METAL SUPPLY CO		61.42	19-MAY-14	61.42	Reconciled	
348670		15-MAY-14	INTEGRATED PROCESS TECHNOLOGIES, INC.		600.00	19-MAY-14	600.00	Reconciled	
IRWD Ledger Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19									
BANK: Bank of America N.A.			Branch : Los Angeles			Account: Checking AP and PR			Page: 17
Bank Account Currency: USD ( US Dollar )			Payment Currency: USD ( US Dollar )			Display Supplier Address: No			
Payment Type: All									

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
348671		15-MAY-14	INTERNAL REVENUE SERVICE		100.00	21-MAY-14	100.00	Reconciled
348672		15-MAY-14	IRVINE PIPE & SUPPLY INC		401.90	16-MAY-14	401.90	Reconciled
348673		15-MAY-14	IRWD EMPLOYEE ASSOCIATION		680.00			Negotiable
348674		15-MAY-14	IRWD-PETTY CASH CUSTODIAN		1,210.12	16-MAY-14	1,210.12	Reconciled
348675		15-MAY-14	JCI JONES CHEMICALS INC		2,752.75	19-MAY-14	2,752.75	Reconciled
348676		15-MAY-14	JOHN CRANE, INC.		1,360.38	20-MAY-14	1,360.38	Reconciled
348677		15-MAY-14	JOHN MICHAEL COVAS		138.70	19-MAY-14	138.70	Reconciled
348678		15-MAY-14	KENNEDY/JENKS CONSULTANTS INC		5,198.75	22-MAY-14	5,198.75	Reconciled
348679		15-MAY-14	KIM, HANA		37.61	19-MAY-14	37.61	Reconciled
348680		15-MAY-14	KONECRANES INC		2,249.00	19-MAY-14	2,249.00	Reconciled
348681		15-MAY-14	LA HABRA FENCE COMPANY INC		1,300.00	20-MAY-14	1,300.00	Reconciled
348682		15-MAY-14	LANCER SALES USA, INC.		609.44	28-MAY-14	609.44	Reconciled
348683		15-MAY-14	LEWIS BRISBOIS BISGAARD AND SMITH LLP		1,660.00	20-MAY-14	1,660.00	Reconciled
348684		15-MAY-14	LU'S LIGHTHOUSE, INC.		417.15	20-MAY-14	417.15	Reconciled
348685		15-MAY-14	LUBRICATION ENGINEERS, INC.		1,950.00	20-MAY-14	1,950.00	Reconciled
348686		15-MAY-14	MAGNO, CARLO		26.74	21-MAY-14	26.74	Reconciled
348687		15-MAY-14	MARK ENTERPRISES, INC.		29,650.00	22-MAY-14	29,650.00	Reconciled
348688		15-MAY-14	MARKET-THINK LLC		3,900.00	20-MAY-14	3,900.00	Reconciled
348689		15-MAY-14	MBC APPLIED		1,250.00	16-MAY-14	1,250.00	Reconciled

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
348690		15-MAY-14	ENVIRONMENTAL SCIENCES		1,473.21	19-MAY-14	1,473.21	Reconciled
348691		15-MAY-14	MC MASTER CARR SUPPLY CO		778.93			Negotiable
348692		15-MAY-14	METRO CREEKSIDE CALIFORNIA		35.12			Negotiable
348693		15-MAY-14	MEYER, GRACE		879.87	19-MAY-14	879.87	Reconciled
348694		15-MAY-14	MINCO PRODUCTS INC.		1,500.00	19-MAY-14	1,500.00	Reconciled
348695		15-MAY-14	MOODY'S INVESTORS SERVICE INC		180.09	20-MAY-14	180.09	Reconciled
348696		15-MAY-14	MOUSE GRAPHICS		478.06	22-MAY-14	478.06	Reconciled
			MSC INDUSTRIAL SUPPLY CO					

IRWD Ledger  
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 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar ) Page: 18  
 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								
348697		15-MAY-14	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		7,192.00	20-MAY-14	7,192.00	Reconciled
348698		15-MAY-14	MUTUAL PROPANE		18.00	19-MAY-14	18.00	Reconciled
348699		15-MAY-14	NATIONAL READY MIXED CONCRETE CO		697.40	19-MAY-14	697.40	Reconciled
348700		15-MAY-14	NEWAGE INDUSTRIES INC		208.89	20-MAY-14	208.89	Reconciled
348701		15-MAY-14	NINYO & MOORE		887.00	19-MAY-14	887.00	Reconciled
348702		15-MAY-14	OLIN CORPORATION		27,559.46	22-MAY-14	27,559.46	Reconciled
348703		15-MAY-14	ON ASSIGNMENT LAB SUPPORT		7,009.78	22-MAY-14	7,009.78	Reconciled
348704		15-MAY-14	ONESOURCE		11,374.83	22-MAY-14	11,374.83	Reconciled
348705		15-MAY-14	DISTRIBUTORS LLC		192.85	16-MAY-14	192.85	Reconciled
348706		15-MAY-14	ORANGE COUNTY AUTO PARTS CO		195.00	19-MAY-14	195.00	Reconciled
348707		15-MAY-14	ORANGE COUNTY FIRE PROTECTION		362.49	23-MAY-14	362.49	Reconciled
348708		15-MAY-14	ORANGE COUNTY VECTOR CONTROL DISTRICT		98,900.00	20-MAY-14	98,900.00	Reconciled
348709		15-MAY-14	OUTSOURCE TECHNICAL LLC		143.18	21-MAY-14	143.18	Reconciled
348710		15-MAY-14	PACIFIC GAS AND ELECTRIC COMPANY		11,097.90	29-MAY-14	11,097.90	Reconciled
348711		15-MAY-14	PARADA PAINTING INC		482.85	19-MAY-14	482.85	Reconciled
348712		15-MAY-14	PEARPOINT		738.95	20-MAY-14	738.95	Reconciled
348713		15-MAY-14	PERS LONG TERM CARE		4,173.12	19-MAY-14	4,173.12	Reconciled
348714		15-MAY-14	PIVOT INTERIORS INC		659.63	23-MAY-14	659.63	Reconciled
348715		15-MAY-14	PONTON INDUSTRIES INC		365.30	19-MAY-14	365.30	Reconciled
348716		15-MAY-14	PRIME CONTROLS COMPANY INC		3,002.50	16-MAY-14	3,002.50	Reconciled
348717		15-MAY-14	PSB INTEGRATED MARKETING		9,230.51	21-MAY-14	9,230.51	Reconciled
348718		15-MAY-14	PTI SAND & GRAVEL INC		842.40	20-MAY-14	842.40	Reconciled
348719		15-MAY-14	R & S SOIL PRODUCTS INC		8,600.00	22-MAY-14	8,600.00	Reconciled
348720		15-MAY-14	RBF CONSULTING		129.60	21-MAY-14	129.60	Reconciled
348721		15-MAY-14	RED WING SHOES		1,926.14			Negotiable
			REED, JAMES D					

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
348722		15-MAY-14	RINCON TRUCK CENTER INC.		345.42	16-MAY-14	345.42	Reconciled
348723		15-MAY-14	ROSS, JOYCE		24.18	28-MAY-14	24.18	Reconciled
348724		15-MAY-14	ROSTVOLD, ROSEMARIE		30.07	22-MAY-14	30.07	Reconciled
348725		15-MAY-14	RYAN HERCO		3,561.50	19-MAY-14	3,561.50	Reconciled
348726		15-MAY-14	PRODUCTS CORP		61.85	19-MAY-14	61.85	Reconciled
348727		15-MAY-14	RYLAND HOMES OF CALIFORNIA INC		7,312.00	23-MAY-14	7,312.00	Reconciled
348728		15-MAY-14	SANDERS PAVING INC		1,089.44	20-MAY-14	1,089.44	Reconciled
348729		15-MAY-14	SANTA ANA BLUE PRINT		77,637.14	19-MAY-14	77,637.14	Reconciled
			SANTIAGO AQUEDUCT COMMISSION					

348730	15-MAY-14	SCAP	1,075.00	23-MAY-14	1,075.00	Reconciled
348731	15-MAY-14	SEPARATION PROCESSES INC	1,057.20	19-MAY-14	1,057.20	Reconciled
348732	15-MAY-14	SHAMROCK SUPPLY CO INC	686.81	16-MAY-14	686.81	Reconciled
348733	15-MAY-14	SOUTH COAST WATER CO.	40.00	22-MAY-14	40.00	Reconciled
348734	15-MAY-14	SOUTHERN CALIFORNIA EDISON COMPANY	27,336.93	20-MAY-14	27,336.93	Reconciled
348735	15-MAY-14	SOUTHERN CALIFORNIA SECURITY CENTER, INC.	163.25	22-MAY-14	163.25	Reconciled
348736	15-MAY-14	SPARKLETTES	174.19	21-MAY-14	174.19	Reconciled
348737	15-MAY-14	SPARLING INSTRUMENTS LLC	2,020.28	19-MAY-14	2,020.28	Reconciled
348738	15-MAY-14	STANDARD & POOR'S FINANCIAL SERVICES LLC	7,000.00	22-MAY-14	7,000.00	Reconciled
348739	15-MAY-14	STATE BOARD OF EQUALIZATION	2,555.00	22-MAY-14	2,555.00	Reconciled
348740	15-MAY-14	SUNNYHILLS RESTORATION	1,850.91	20-MAY-14	1,850.91	Reconciled
348741	15-MAY-14	THE GAS COMPANY	440.00	23-MAY-14	440.00	Reconciled
348742	15-MAY-14	THOMAS HARDER & CO	3,031.20	19-MAY-14	3,031.20	Reconciled
348743	15-MAY-14	TRIPAC MARKETING INC	203.12	20-MAY-14	203.12	Reconciled
348744	15-MAY-14	TROPICAL PLAZA NURSERY INC	1,193.00	16-MAY-14	1,193.00	Reconciled
348745	15-MAY-14	TRUCPARCO	302.75	19-MAY-14	302.75	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 20  
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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								
348746		15-MAY-14	TRUGREEN LANDCARE LLC		13,175.00	21-MAY-14	13,175.00	Reconciled
348747		15-MAY-14	TUSTIN RANCH RESTAURANT LLC		380.98	23-MAY-14	380.98	Reconciled
348748		15-MAY-14	ULTRA SCIENTIFIC		565.62	20-MAY-14	565.62	Reconciled
348749		15-MAY-14	UNITED PARCEL SERVICE INC		33.17	19-MAY-14	33.17	Reconciled
348750		15-MAY-14	UNITED SITE SERVICES OF CALIFORNIA INC		458.67	19-MAY-14	458.67	Reconciled
348751		15-MAY-14	VERIZON CALIFORNIA INC		45.84	20-MAY-14	45.84	Reconciled
348752		15-MAY-14	VOIGT, SHAUN		38.69	29-MAY-14	38.69	Reconciled
348753		15-MAY-14	VWR INTERNATIONAL, LLC		371.82	20-MAY-14	371.82	Reconciled
348754		15-MAY-14	WALTERS WHOLESALE ELECTRIC		1,075.09	20-MAY-14	1,075.09	Reconciled
348755		15-MAY-14	WATERLINE TECHNOLOGIES INC		2,840.00	16-MAY-14	2,840.00	Reconciled
348756		15-MAY-14	WAXIE'S ENTERPRISES, INC		679.49	20-MAY-14	679.49	Reconciled
348757		15-MAY-14	WECK LABORATORIES INC		460.00	16-MAY-14	460.00	Reconciled
348758		15-MAY-14	WELLS SUPPLY COMPANY		1,360.80	16-MAY-14	1,360.80	Reconciled
348759		15-MAY-14	WESTERN EXTERMINATOR COMPANY		8,182.00	22-MAY-14	8,182.00	Reconciled
348760		15-MAY-14	WESTMARK SALES INC.		190.12	22-MAY-14	190.12	Reconciled
348761		15-MAY-14	YORKE ENGINEERING LLC		2,179.25	21-MAY-14	2,179.25	Reconciled
348762		15-MAY-14	ZEBRON CONTRACTING INC		3,510.00	20-MAY-14	3,510.00	Reconciled
348763		15-MAY-14	ZEE MEDICAL SERVICE CO		896.46	16-MAY-14	896.46	Reconciled
348764		19-MAY-14	JCI JONES CHEMICALS INC	CINCINNATI	2,459.31	22-MAY-14	2,459.31	Reconciled
348765		19-MAY-14	BT'S SOUTHERN BBQ, LLC	HUNTINGTON BEAC	4,995.00	23-MAY-14	4,995.00	Reconciled
348766		19-MAY-14	HILLEBRECHT, WARREN K	PAY	162.94	29-MAY-14	162.94	Reconciled
348767		19-MAY-14	MARTIN GUERRA	PURCHASE	450.00	29-MAY-14	450.00	Reconciled
348768		20-MAY-14	JCI JONES CHEMICALS INC	CINCINNATI	15,580.29	27-MAY-14	15,580.29	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 21  
 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
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Payment Document : IRWD CHECK

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
348769		22-MAY-14	Alfaro, Alvaro (Alvaro)		60.00			Negotiable
348770		22-MAY-14	Kelly, Cheryl D (Cheryl)		197.68	29-MAY-14	197.68	Reconciled
348771		22-MAY-14	Compton, Christine A		59.20			Negotiable
348772		22-MAY-14	Smyth, Jeffrey S (Jeff)		28.56			Negotiable
348773		22-MAY-14	Bailey, Johnathan R		160.00	23-MAY-14	160.00	Reconciled
348774		22-MAY-14	Wright, Wayne H (Wayne)		101.52	23-MAY-14	101.52	Reconciled
348775		22-MAY-14	Wesson, William C (Bill)		160.87			Negotiable
348776		22-MAY-14	A & Y ASPHALT CONTRACTORS INC		8,377.00	28-MAY-14	8,377.00	Reconciled
348777		22-MAY-14	AIRGAS-WEST, INC.		5,336.35	29-MAY-14	5,336.35	Reconciled
348778		22-MAY-14	ALL AMERICAN ASPHALT		671.89	27-MAY-14	671.89	Reconciled
348779		22-MAY-14	ALL AMERICAN ASPHALT		684.35	27-MAY-14	684.35	Reconciled
348780		22-MAY-14	ALPHA TRAFFIC SERVICES, INC.		1,610.00	29-MAY-14	1,610.00	Reconciled
348781		22-MAY-14	ALSTON & BIRD LLP		99.00	27-MAY-14	99.00	Reconciled
348782		22-MAY-14	ANTHONY SUFFREDINI		1,200.00	28-MAY-14	1,200.00	Reconciled
348783		22-MAY-14	APPLIED INDUSTRIAL TECHNOLOGIES - CA LLC		101.37	27-MAY-14	101.37	Reconciled
348784		22-MAY-14	AQUA-METRIC SALES COMPANY		39,789.29			Negotiable
348785		22-MAY-14	ARBOR COMMERCIAL REAL ESTATE		7,180.90			Negotiable
348786		22-MAY-14	ARC		152.38	23-MAY-14	152.38	Reconciled
348787		22-MAY-14	ARC-ZONE.COM, INC		527.81	28-MAY-14	527.81	Reconciled
348788		22-MAY-14	ARCADIS U.S., INC.		69,201.58			Negotiable
348789		22-MAY-14	AT&T		48.27	28-MAY-14	48.27	Reconciled
348790		22-MAY-14	AT&T		16.36			Negotiable
348791		22-MAY-14	AT&T		50.36	28-MAY-14	50.36	Reconciled
348792		22-MAY-14	AVISTA TECHNOLOGIES, INC		13,987.92	29-MAY-14	13,987.92	Reconciled
348793		22-MAY-14	BATTERIES PLUS AND BATTERIES PLUS BULBS		593.82	27-MAY-14	593.82	Reconciled
348794		22-MAY-14	BDC SPECIAL WASTE		873.76	27-MAY-14	873.76	Reconciled
348795		22-MAY-14	BILL'S SWEEPING SERVICE INC		460.00	27-MAY-14	460.00	Reconciled

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348796		22-MAY-14	BIOMAGIC INC		838.35	23-MAY-14	838.35	Reconciled
348797		22-MAY-14	BORCHARD SURVEYING & MAPPING, INC.		5,060.00			Negotiable
348798		22-MAY-14	BOTTOM LINE UTILITY SOLUTIONS, INC.		25,138.37	28-MAY-14	25,138.37	Reconciled
348799		22-MAY-14	BOWIE, ARNESON, WILES & GIANNONE		27,618.33			Negotiable
348800		22-MAY-14	BRENNTAG PACIFIC INC		3,296.00	27-MAY-14	3,296.00	Reconciled
348801		22-MAY-14	C WELLS PIPELINE MATERIALS INC		7,056.72			Negotiable
348802		22-MAY-14	CALIFORNIA BARRICADE INC		2,640.00	27-MAY-14	2,640.00	Reconciled
348803		22-MAY-14	CALIFORNIA PACIFIC HOMES		1,895.81			Negotiable
348804		22-MAY-14	CALIFORNIA PACIFIC HOMES		1,182.72			Negotiable
348805		22-MAY-14	CANON FINANCIAL SERVICES, INC		609.12	27-MAY-14	609.12	Reconciled
348806		22-MAY-14	CANON SOLUTIONS AMERICA, INC.		126.08	27-MAY-14	126.08	Reconciled
348807		22-MAY-14	CAPTIVE AUDIENCE MARKETING INC.		255.96	28-MAY-14	255.96	Reconciled
348808		22-MAY-14	CARL WARREN & CO		2,988.51	27-MAY-14	2,988.51	Reconciled
348809		22-MAY-14	CDW GOVERNMENT LLC		1,591.39	27-MAY-14	1,591.39	Reconciled
348810		22-MAY-14	CHEM TECH INTERNATIONAL INC		14,770.80			Negotiable
348811		22-MAY-14	CHEN, RUTH		23.88			Negotiable
348812		22-MAY-14	CITY CIRCUIT BREAKERS		702.00	27-MAY-14	702.00	Reconciled
348813		22-MAY-14	CITY OF IRVINE		2,524.00	27-MAY-14	2,524.00	Reconciled
348814		22-MAY-14	CITY OF NEWPORT BEACH		1,244.87	23-MAY-14	1,244.87	Reconciled
348815		22-MAY-14	CITY OF TUSTIN		531,001.89	28-MAY-14	531,001.89	Reconciled

348816	22-MAY-14	CIVILSOURCE, INC.	30,534.72				Negotiable
348817	22-MAY-14	CLEAN ENERGY	1,143.56	28-MAY-14	1,143.56		Reconciled
348818	22-MAY-14	COMMERCIAL COATING RESOURCE INC	6,900.00				Negotiable
348819	22-MAY-14	COMMERCIAL DOOR OF ORANGE COUNTY, INC.	1,135.04				Negotiable
348820	22-MAY-14	COMTREND CORP	156.65				Negotiable
348821	22-MAY-14	CONDITION MONITORING SERVICES INC	10,783.62				Negotiable

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
348822		22-MAY-14	CONEYBEARE INC		14,061.62	29-MAY-14	14,061.62	Reconciled
348823		22-MAY-14	CONSOLIDATED CONTRACTING SERV		2,784.00			Negotiable
348824		22-MAY-14	CONVERSE, SARAH		74.48			Negotiable
348825		22-MAY-14	CORELOGIC INC		6.00	27-MAY-14	6.00	Reconciled
348826		22-MAY-14	COUNTY OF ORANGE		1,000.00			Negotiable
348827		22-MAY-14	COUNTY OF ORANGE		435.00	23-MAY-14	435.00	Reconciled
348828		22-MAY-14	COUNTY OF ORANGE		684.35			Negotiable
348829		22-MAY-14	COUNTY OF ORANGE		2,557.50	28-MAY-14	2,557.50	Reconciled
348830		22-MAY-14	CREDENTIAL CHECK CORPORATION		551.26	28-MAY-14	551.26	Reconciled
348831		22-MAY-14	CRUMP & CO, INC.		3,886.04	27-MAY-14	3,886.04	Reconciled
348832		22-MAY-14	DALEY & HEFT LLP		37,502.26			Negotiable
348833		22-MAY-14	DATA CLEAN CORPORATION		513.25	28-MAY-14	513.25	Reconciled
348834		22-MAY-14	DATASITE INC		656.00			Negotiable
348835		22-MAY-14	DAVISON, JOSEPHINE		434.76			Negotiable
348836		22-MAY-14	DEE JASPAR & ASSOCIATES, INC.		1,579.51	27-MAY-14	1,579.51	Reconciled
348837		22-MAY-14	DUONG, JIMMY		35.06			Negotiable
348838		22-MAY-14	EARTH CONSTRUCTION & MINING		616.71			Negotiable
348839		22-MAY-14	EI&C ENGINEERING INC		10,500.00			Negotiable
348840		22-MAY-14	EMA INC		2,310.00	27-MAY-14	2,310.00	Reconciled
348841		22-MAY-14	ENVIRON INTERNATIONAL CORP.		1,162.82	27-MAY-14	1,162.82	Reconciled
348842		22-MAY-14	ENVIRONMENTAL RESOURCE ASSOCIATES		6,850.76			Negotiable
348843		22-MAY-14	EVANTEC CORPORATION		9,130.08	28-MAY-14	9,130.08	Reconciled
348844		22-MAY-14	EVERS, KRISTA		56.68			Negotiable
348845		22-MAY-14	FANG, LING		27.57			Negotiable
348846		22-MAY-14	FARRELL & ASSOCIATES		1,228.62	23-MAY-14	1,228.62	Reconciled
348847		22-MAY-14	FARWEST CORROSION CONTROL CO		797.90	27-MAY-14	797.90	Reconciled
348848		22-MAY-14	FEDEX		307.74	27-MAY-14	307.74	Reconciled
348849		22-MAY-14	FIRST CHOICE SERVICES		229.34	28-MAY-14	229.34	Reconciled
348850		22-MAY-14	FISERV		13,944.02	28-MAY-14	13,944.02	Reconciled
348851		22-MAY-14	FISHER SCIENTIFIC COMPANY LLC		2,726.43	27-MAY-14	2,726.43	Reconciled
348852		22-MAY-14	FOULADI, HOUSSEIN		28.32			Negotiable

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348853		22-MAY-14	FU, MITZI		27.08	27-MAY-14	27.08	Reconciled
348854		22-MAY-14	GP ELECTRIC MOTOR SERVICE		9,892.20			Negotiable
348855		22-MAY-14	GRAINGER		1,847.90	27-MAY-14	1,847.90	Reconciled
348856		22-MAY-14	HAAKER EQUIPMENT COMPANY		360.80	27-MAY-14	360.80	Reconciled
348857		22-MAY-14	HACH COMPANY		2,923.19	27-MAY-14	2,923.19	Reconciled
348858		22-MAY-14	HARDY & HARPER INC		922.80	23-MAY-14	922.80	Reconciled
348859		22-MAY-14	HARMSWORTH ASSOCIATES		2,948.00	28-MAY-14	2,948.00	Reconciled
348860		22-MAY-14	HARWOOD CONSTRUCTION INC.		31,860.00	29-MAY-14	31,860.00	Reconciled
348861		22-MAY-14	HDR ENGINEERING INC		19,753.51			Negotiable
348862		22-MAY-14	HOFMANN FINN DEVELOPMENT		808.15	23-MAY-14	808.15	Reconciled

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348863		22-MAY-14	COMPANY, INC. IDEXX		6,068.96			Negotiable
348864		22-MAY-14	DISTRIBUTION, INC II FUELS INC		11,710.02	28-MAY-14	11,710.02	Reconciled
348865		22-MAY-14	INDUSTRIAL METAL SUPPLY CO		129.80	28-MAY-14	129.80	Reconciled
348866		22-MAY-14	INFOSYS LIMITED		180,000.00			Negotiable
348867		22-MAY-14	INTERINSURANCE EXCHANGE OF THE AUTOMOBILE CLUB		19,295.00			Negotiable
348868		22-MAY-14	IRON MOUNTAIN INFORMATION MANAGEMENT INC		1,841.59	27-MAY-14	1,841.59	Reconciled
348869		22-MAY-14	IRVINE CHAMBER OF COMMERCE		1,440.00	29-MAY-14	1,440.00	Reconciled
348870		22-MAY-14	IRVINE COMMUNITY DEVELOPMENT COMPANY LLC		11,173.89			Negotiable
348871		22-MAY-14	IRVINE PACIFIC, LP		502.65			Negotiable
348872		22-MAY-14	IRVINE PIPE & SUPPLY INC		2,233.32	23-MAY-14	2,233.32	Reconciled
348873		22-MAY-14	IRWD-PETTY CASH CUSTODIAN		767.67	27-MAY-14	767.67	Reconciled
348874		22-MAY-14	JACOBS, KRISTI		33.53			Negotiable
348875		22-MAY-14	JCI JONES CHEMICALS INC		12,404.40	29-MAY-14	12,404.40	Reconciled
348876		22-MAY-14	JOHN CRANE, INC.		688.73	27-MAY-14	688.73	Reconciled
348877		22-MAY-14	JOHN G. ALEVIZOS D.O. INC.		425.00	28-MAY-14	425.00	Reconciled
348878		22-MAY-14	KB HOMES		1,029.28	28-MAY-14	1,029.28	Reconciled

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
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348879		22-MAY-14	KELLEY BLUE BOOK, INC.		98.00	27-MAY-14	98.00	Reconciled
348880		22-MAY-14	KELLY SERVICES INC		1,639.92	27-MAY-14	1,639.92	Reconciled
348881		22-MAY-14	KENNEDY, ELIZABETH		135.05			Negotiable
348882		22-MAY-14	KILEY COMPANY		2,900.00	27-MAY-14	2,900.00	Reconciled
348883		22-MAY-14	KLONTZ, CHIARRA		31.16			Negotiable
348884		22-MAY-14	KONECRANES INC		4,013.93	27-MAY-14	4,013.93	Reconciled
348885		22-MAY-14	KPRS CONSTRUCTION SERVICES, INC		767.54	28-MAY-14	767.54	Reconciled
348886		22-MAY-14	KS DIRECT LLC		2,419.20	23-MAY-14	2,419.20	Reconciled
348887		22-MAY-14	LA HABRA FENCE COMPANY INC		648.00			Negotiable
348888		22-MAY-14	LAGUNA BEACH COUNTY WATER DISTRICT		4,475.70	29-MAY-14	4,475.70	Reconciled
348889		22-MAY-14	LCS TECHNOLOGIES, INC.		14,750.00	29-MAY-14	14,750.00	Reconciled
348890		22-MAY-14	LEE, CRYSTAL		301.68			Negotiable
348891		22-MAY-14	LEE, DIANE		57.53	28-MAY-14	57.53	Reconciled
348892		22-MAY-14	LEE, PETER		67.34	28-MAY-14	67.34	Reconciled
348893		22-MAY-14	LENNAR HOMES		86.64	27-MAY-14	86.64	Reconciled
348894		22-MAY-14	LGC GEOTECHNICAL, INC.		2,780.00	23-MAY-14	2,780.00	Reconciled
348895		22-MAY-14	LI, ZEHONG		703.33			Negotiable
348896		22-MAY-14	LIU, DANIEL		42.46			Negotiable
348897		22-MAY-14	LOLACHI, ANOOSHEH		13.32	29-MAY-14	13.32	Reconciled
348898		22-MAY-14	LU'S LIGHTHOUSE, INC.		1,524.81	27-MAY-14	1,524.81	Reconciled
348899		22-MAY-14	MAG-TROL		108.72	23-MAY-14	108.72	Reconciled
348900		22-MAY-14	MARVIN GARDENS LLC		2,593.70	22-MAY-14	2,593.70	Reconciled
348901		22-MAY-14	MC MASTER CARR SUPPLY CO		652.28	27-MAY-14	652.28	Reconciled
348902		22-MAY-14	MC MASTER CARR SUPPLY CO		81.18	27-MAY-14	81.18	Reconciled
348903		22-MAY-14	MDT INC		9,088.85			Negotiable
348904		22-MAY-14	MENDEZ, KYLE		37.56			Negotiable
348905		22-MAY-14	MERCURY INSURANCE		97.20			Negotiable
348906		22-MAY-14	MESA CONTRACTING CORPORATION		648.75	28-MAY-14	648.75	Reconciled
348907		22-MAY-14	MISCOWATER		1,082.52	29-MAY-14	1,082.52	Reconciled
348908		22-MAY-14	MSC INDUSTRIAL SUPPLY CO		139.00	29-MAY-14	139.00	Reconciled
348909		22-MAY-14	MUTUAL PROPANE		158.82	27-MAY-14	158.82	Reconciled
348910		22-MAY-14	NATURALWELL, LLC		907.50	23-MAY-14	907.50	Reconciled
348911		22-MAY-14	NEPTUNE TECHNOLOGY GROUP, INC.		79,898.40			Negotiable

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348912		22-MAY-14	NINYO & MOORE		3,807.50	27-MAY-14	3,807.50	Reconciled
348913		22-MAY-14	NITZ, CASSIE		242.00	29-MAY-14	242.00	Reconciled
348914		22-MAY-14	NORTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT		1,700.00			Negotiable
348915		22-MAY-14	NOVELL INC		6,315.50			Negotiable
348916		22-MAY-14	NURSERY PRODUCTS LLC		19,567.18			Negotiable
348917		22-MAY-14	O'HAREN GOVERNMENT RELATIONS		6,500.00			Negotiable
348918		22-MAY-14	OCTA		788.00	27-MAY-14	788.00	Reconciled
348919		22-MAY-14	OLIN CORPORATION		16,830.61			Negotiable
348920		22-MAY-14	OLSON HAGEL FISHBURN, LLP		380.00	27-MAY-14	380.00	Reconciled
348921		22-MAY-14	ON ASSIGNMENT LAB SUPPORT		1,120.32	27-MAY-14	1,120.32	Reconciled
348922		22-MAY-14	ONESOURCE DISTRIBUTORS LLC		10,092.89	29-MAY-14	10,092.89	Reconciled
348923		22-MAY-14	ORANGE COUNTY AUTO PARTS CO		395.51	23-MAY-14	395.51	Reconciled
348924		22-MAY-14	ORANGE COUNTY FIRE PROTECTION		805.80	28-MAY-14	805.80	Reconciled
348925		22-MAY-14	ORANGE COUNTY VECTOR CONTROL DISTRICT		2,017.97			Negotiable
348926		22-MAY-14	PACIFIC HYDROTECH CORPORATION		11,114.70	29-MAY-14	11,114.70	Reconciled
348927		22-MAY-14	PACIFIC HYDROTECH CORPORATION		211,179.30	29-MAY-14	211,179.30	Reconciled
348928		22-MAY-14	PACIFIC RESOURCE RECOVERY		2,279.80	27-MAY-14	2,279.80	Reconciled
348929		22-MAY-14	PAUL E BRADLEY INC		3,915.00	29-MAY-14	3,915.00	Reconciled
348930		22-MAY-14	PAULUS ENGINEERING INC		145.14	29-MAY-14	145.14	Reconciled
348931		22-MAY-14	PDA INC		280.00	28-MAY-14	280.00	Reconciled
348932		22-MAY-14	PEARPOINT		203.12	27-MAY-14	203.12	Reconciled
348933		22-MAY-14	PERKINELMER HEALTH SCIENCES INC		1,541.04	27-MAY-14	1,541.04	Reconciled
348934		22-MAY-14	PINNACLE TOWERS LLC		615.79	27-MAY-14	615.79	Reconciled
348935		22-MAY-14	PRAXAIR DISTRIBUTION INC		1,951.17	27-MAY-14	1,951.17	Reconciled
348936		22-MAY-14	PRUDENTIAL OVERALL SUPPLY		3,831.82	27-MAY-14	3,831.82	Reconciled
348937		22-MAY-14	PTI SAND & GRAVEL INC		867.38	23-MAY-14	867.38	Reconciled

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348938		22-MAY-14	QUAIL MEADOW APARTMENTS		858.02			Negotiable
348939		22-MAY-14	QUALITY ENVIRONMENTAL CONTAINERS		117.34	27-MAY-14	117.34	Reconciled
348940		22-MAY-14	R&B AUTOMATION INC		1,560.00	27-MAY-14	1,560.00	Reconciled
348941		22-MAY-14	RAM AIR ENGINEERING INC		2,556.93	23-MAY-14	2,556.93	Reconciled
348942		22-MAY-14	RANCHO MARIPOSA APTS		14.13	28-MAY-14	14.13	Reconciled
348943		22-MAY-14	REAL GREEN INC.		43,512.50	28-MAY-14	43,512.50	Reconciled
348944		22-MAY-14	RESPONSE ENVELOPE, INC		2,030.54	27-MAY-14	2,030.54	Reconciled
348945		22-MAY-14	RICAFITO, FRANK		7.02	28-MAY-14	7.02	Reconciled
348946		22-MAY-14	RINCON TRUCK CENTER INC.		704.42	23-MAY-14	704.42	Reconciled
348947		22-MAY-14	ROBINSON, MARY		15.14			Negotiable
348948		22-MAY-14	ROWE, CHIYO		10,415.19			Negotiable
348949		22-MAY-14	RUBIN, DENISE		118.36	29-MAY-14	118.36	Reconciled
348950		22-MAY-14	SAM, LINDA		29.23			Negotiable
348951		22-MAY-14	SANCHEZ, TONY		79.51	27-MAY-14	79.51	Reconciled
348952		22-MAY-14	SANTA ANA BLUE PRINT		1,397.31	28-MAY-14	1,397.31	Reconciled
348953		22-MAY-14	SANTA MARGARITA FORD		124.05	23-MAY-14	124.05	Reconciled
348954		22-MAY-14	SANTA MARGARITA WATER DISTRICT		22,058.23	28-MAY-14	22,058.23	Reconciled
348955		22-MAY-14	SANTA ROSA APARTMENTS		150.20			Negotiable
348956		22-MAY-14	SERRANO HIGHLANDS MASTER ASSOCIATION		2,409.81			Negotiable
348957		22-MAY-14	SHAMROCK SUPPLY CO INC		1,006.10	23-MAY-14	1,006.10	Reconciled
348958		22-MAY-14	SHERWIN WILLIAMS COMPANY		428.78	27-MAY-14	428.78	Reconciled

348959	22-MAY-14	SHRIKHANDE, RAJEEV	11.43	28-MAY-14	11.43	Reconciled
348960	22-MAY-14	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	594.70	27-MAY-14	594.70	Reconciled
348961	22-MAY-14	SOUTH COAST WATER CO.	151.68	27-MAY-14	151.68	Reconciled
348962	22-MAY-14	SOUTH COAST WATER DISTRICT	20.93	28-MAY-14	20.93	Reconciled
348963	22-MAY-14	SOUTHERN CALIFORNIA EDISON COMPANY	22,513.97	27-MAY-14	22,513.97	Reconciled

IRWD Ledger  
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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								
348964		22-MAY-14	SPARKLETT		90.36			Negotiable
348965		22-MAY-14	STANGE, DAN		28.32			Negotiable
348966		22-MAY-14	STANTEC CONSULTING SERVICES INC.		19,666.00			Negotiable
348967		22-MAY-14	STAR BRITE BUILDING MAINTENANCE INC		11,963.75	29-MAY-14	11,963.75	Reconciled
348968		22-MAY-14	STOCHLIA, JILL		25.26			Negotiable
348969		22-MAY-14	SUM, ANDREW		39.07	28-MAY-14	39.07	Reconciled
348970		22-MAY-14	SUSOLIK, JESSICA		165.67			Negotiable
348971		22-MAY-14	TAYLOR MORRISON		30.00			Negotiable
348972		22-MAY-14	TEKRAULICS		4,029.72	23-MAY-14	4,029.72	Reconciled
348973		22-MAY-14	TETRA TECH, INC		81,034.20			Negotiable
348974		22-MAY-14	THE FURMAN GROUP		10,095.00			Negotiable
348975		22-MAY-14	THE GAS COMPANY		7,073.37			Negotiable
348976		22-MAY-14	THE NEW HOME COMPANY		75.00			Negotiable
348977		22-MAY-14	THE NEW HOME COMPANY		108.93			Negotiable
348978		22-MAY-14	TIC-IPG-COMMON		3,149.76	28-MAY-14	3,149.76	Reconciled
348979		22-MAY-14	TIC-OFFICE PROPERTIES		61.74	28-MAY-14	61.74	Reconciled
348980		22-MAY-14	TIC-SPECTRUM OFFICE		170.53	28-MAY-14	170.53	Reconciled
348981		22-MAY-14	TORGE, RUSSELL		27.41			Negotiable
348982		22-MAY-14	TROPICAL PLAZA NURSERY INC		33,927.69	28-MAY-14	33,927.69	Reconciled
348983		22-MAY-14	TRUCPARCO		1,147.48	29-MAY-14	1,147.48	Reconciled
348984		22-MAY-14	TRUGREEN LANDCARE LLC		24,560.00	29-MAY-14	24,560.00	Reconciled
348985		22-MAY-14	ULINE INC		83.59	27-MAY-14	83.59	Reconciled
348986		22-MAY-14	ULTIMATE DETAILING		475.00			Negotiable
348987		22-MAY-14	UNITED PARCEL SERVICE INC		22.60	27-MAY-14	22.60	Reconciled
348988		22-MAY-14	URS CORPORATION		3,391.50	27-MAY-14	3,391.50	Reconciled
348989		22-MAY-14	USA BLUEBOOK		63.88	28-MAY-14	63.88	Reconciled
348990		22-MAY-14	VAN DER GRAAF, EMMA		60.12	28-MAY-14	60.12	Reconciled
348991		22-MAY-14	VAUGHAN'S INDUSTRIAL REPAIR CO INC		7,406.14	29-MAY-14	7,406.14	Reconciled
348992		22-MAY-14	VCS ENVIRONMENTAL		180.00	23-MAY-14	180.00	Reconciled
348993		22-MAY-14	VWR INTERNATIONAL, LLC		7,675.15			Negotiable
348994		22-MAY-14	WAGNER, KENNETH		55.21	27-MAY-14	55.21	Reconciled
348995		22-MAY-14	WAL, LAURA		8.58			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								
348996		22-MAY-14	WALTERS WHOLESALE ELECTRIC		351.31	28-MAY-14	351.31	Reconciled
348997		22-MAY-14	WATER ENVIRONMENT RESEARCH FOUNDATION		7,776.00			Negotiable
348998		22-MAY-14	WAKIE'S ENTERPRISES, INC		1,089.36	28-MAY-14	1,089.36	Reconciled
348999		22-MAY-14	WEBER WATER RESOURCES CA, LLC		7,722.80	29-MAY-14	7,722.80	Reconciled
349000		22-MAY-14	WESTERN AV		8,224.14			Negotiable
349001		22-MAY-14	WESTERN EXTERMINATOR COMPANY		630.00			Negotiable
349002		22-MAY-14	WILLIAM LYON HOMES		40.20			Negotiable
349003		22-MAY-14	XIANG, CHENG		11.12	27-MAY-14	11.12	Reconciled
349004		22-MAY-14	YAKAR		620.40	28-MAY-14	620.40	Reconciled

349005	22-MAY-14	COUNTY OF ORANGE	SANTA ANA	2,016.00	28-MAY-14	2,016.00	Reconciled
349006	27-MAY-14	JCI JONES	CINCINNATI	5,505.50			Negotiable
349007	28-MAY-14	CHEMICALS INC		1,582.00			Negotiable
349008	29-MAY-14	UNITED STATES POSTLOS	ANGELES	3,168.00			Negotiable
349009	29-MAY-14	BANK OF NEW YORK	NEWARK	4,117.00			Negotiable
349010	29-MAY-14	MELLON TRUST		80.00			Negotiable
349011	29-MAY-14	COMPANY NA		31.36			Negotiable
349012	29-MAY-14	Harris, Alex		750.00			Negotiable
349013	29-MAY-14	(Alex)		40.32			Negotiable
349014	29-MAY-14	Duarte, Elizabeth		225.00			Negotiable
349015	29-MAY-14	(Elizabeth)		58.00			Negotiable
349016	29-MAY-14	Sanchez, Hector A		726.42			Negotiable
349017	29-MAY-14	(Hector)		284.55			Negotiable
349018	29-MAY-14	Lewis, Lyndy R		1,570.00			Negotiable
		Daniel, Matthew					
		(Matthew)					
		Weghorst, Paul A					
		(Paul)					
		Perry, Ricky A					
		(Rick)					
		Roberts, Thomas					
		(Tom)					
		ORANGE COUNTY	FOUNTAIN				
		SANITATION	VALLEY				
		DISTRICT					

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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								
349019		29-MAY-14	Fike, Christopher	HOME	382.00			Negotiable
349020		29-MAY-14	A (Chris)					Negotiable
349021		29-MAY-14	ACCESS PACIFIC		783.66			Negotiable
349022		29-MAY-14	AFLAC		10,778.73			Negotiable
349023		29-MAY-14	AIRGAS-WEST, INC.		576.08			Negotiable
349024		29-MAY-14	ALJOR MARINE		567.00			Negotiable
349025		29-MAY-14	CANVAS					Negotiable
349026		29-MAY-14	ANDERSONPENNA		27,992.50			Negotiable
349027		29-MAY-14	PARTNERS, INC					Negotiable
349028		29-MAY-14	AT&T		5,258.57			Negotiable
349029		29-MAY-14	AUSTIN HARDWOODS,		97.15			Negotiable
349030		29-MAY-14	INC					Negotiable
349031		29-MAY-14	AUTOZONE PARTS,		52.48			Negotiable
349032		29-MAY-14	INC.					Negotiable
349033		29-MAY-14	AUTOZONE PARTS,		8.10			Negotiable
349034		29-MAY-14	INC.					Negotiable
349035		29-MAY-14	BANK OF AMERICA		43.38			Negotiable
349036		29-MAY-14	BATTERY		4,406.42			Negotiable
349037		29-MAY-14	SPECIALTIES					Negotiable
349038		29-MAY-14	BDC SPECIAL WASTE		102.10			Negotiable
349039		29-MAY-14	BEHRENS AND		8,294.00			Negotiable
349040		29-MAY-14	ASSOCIATES, INC.					Negotiable
349041		29-MAY-14	BILL'S SWEEPING		805.00			Negotiable
349042		29-MAY-14	SERVICE INC					Negotiable
349043		29-MAY-14	BIOMAGIC INC		3,543.58			Negotiable
349044		29-MAY-14	BRITHINEE ELECTRIC		16,266.11			Negotiable
349045		29-MAY-14	BUSH & ASSOCIATES		6,144.00			Negotiable
		29-MAY-14	INC					Negotiable
		29-MAY-14	C WELLS PIPELINE		23,819.19			Negotiable
		29-MAY-14	MATERIALS INC					Negotiable
		29-MAY-14	CALIFORNIA		8,622.50			Negotiable
		29-MAY-14	BARRICADE INC					Negotiable
		29-MAY-14	CALTROL, INC.		5,721.43			Negotiable
		29-MAY-14	CANON FINANCIAL		295.92			Negotiable
		29-MAY-14	SERVICES, INC					Negotiable
		29-MAY-14	CAPTIVE AUDIENCE		149.04			Negotiable
		29-MAY-14	MARKETING INC.					Negotiable
		29-MAY-14	CHARLES P CROWLEY		615.22			Negotiable
		29-MAY-14	COMPANY INC					Negotiable
		29-MAY-14	CITY OF SANTA ANA		52.62			Negotiable
		29-MAY-14	COLONIAL LIFE &		2,989.50			Negotiable
		29-MAY-14	ACCIDENT INSURANCE					Negotiable
		29-MAY-14	CO.					Negotiable
		29-MAY-14	COMMERCE ENERGY		23.23			Negotiable
		29-MAY-14	INC					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								

349046	29-MAY-14	COMMERCIAL COATING RESOURCE INC	2,470.00	Negotiable
349047	29-MAY-14	CONEBEARE INC	5,036.15	Negotiable
349048	29-MAY-14	COUNTY OF ORANGE	3,612.00	Voiced
349049	29-MAY-14	COX COMMUNICATIONS	3,350.97	Voiced
349050	29-MAY-14	D & G SIGNS	70.20	Voiced
349051	29-MAY-14	DAN'S MACHINE TOOL, INC	327.28	Voiced
349052	29-MAY-14	DIRECTV INC	105.98	Voiced
349053	29-MAY-14	ENVIRONMENTAL SCIENCE ASSOCIATES	3,547.58	Voiced
349054	29-MAY-14	EXECUTIVE LIGHTING & ELECTRIC	1,017.77	Voiced
349055	29-MAY-14	FARRELL & ASSOCIATES	81.07	Voiced
349056	29-MAY-14	FEDEX	626.46	Voiced
349057	29-MAY-14	FERGUSON ENTERPRISES, INC.	1,918.08	Voiced
349058	29-MAY-14	FISHER SCIENTIFIC COMPANY LLC	6,227.80	Voiced
349059	29-MAY-14	FIVE POINT PARTNERS LLC	104,376.36	Voiced
349060	29-MAY-14	FLEET SOLUTIONS LLC	4,291.30	Voiced
349061	29-MAY-14	GARDENSOFT	3,000.00	Voiced
349062	29-MAY-14	GARZA INDUSTRIES, INC	1,381.97	Voiced
349063	29-MAY-14	GCI CONSTRUCTION, INC.	108,813.00	Voiced
349064	29-MAY-14	GRAINGER	196.93	Voiced
349065	29-MAY-14	GRIFFIN DEWATERING CORPORATION	2,024.75	Voiced
349066	29-MAY-14	HAAKER EQUIPMENT COMPANY	257.08	Voiced
349067	29-MAY-14	HACH COMPANY	4,949.89	Voiced
349068	29-MAY-14	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY	206.37	Voiced
349069	29-MAY-14	HERITAGE FIELDS EL TORO, LLC	266,733.15	Voiced
349070	29-MAY-14	HILL BROTHERS CHEMICAL COMPANY	1,563.08	Voiced
349071	29-MAY-14	HOME DEPOT USA INC	830.32	Voiced
349072	29-MAY-14	HYDRO-SCAPE PRODUCTS INC	325.52	Voiced

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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								
349073		29-MAY-14	IDENTICARD SYSTEMS WORLDWIDE INC		210.38			Voiced
349074		29-MAY-14	IMMERSIV MEDIA		2,150.00			Voiced
349075		29-MAY-14	INDUSTRIAL METAL SUPPLY CO		53.56			Voiced
349076		29-MAY-14	IRVINE PACIFIC, LP		1,203.01			Voiced
349077		29-MAY-14	IRVINE PIPE & SUPPLY INC		761.55			Voiced
349078		29-MAY-14	JACOBS PROJECT MANAGEMENT CO.		26,250.00			Voiced
349079		29-MAY-14	KAAM GROUP INC		4,266.00			Voiced
349080		29-MAY-14	KAZARIANS & ASSOCIATES, INC.		4,493.80			Voiced
349081		29-MAY-14	KB HOMES		76.73			Voiced
349082		29-MAY-14	KOELLER NEBEKER CARLSON & HALUCK, LLP		162.44			Voiced
349083		29-MAY-14	MC MASTER CARR SUPPLY CO		5,263.20			Voiced
349084		29-MAY-14	MR CRANE INC		848.00			Voiced
349085		29-MAY-14	NATIONAL READY MIXED CONCRETE CO		532.20			Voiced
349086		29-MAY-14	NATURES IMAGE INC		839.64			Voiced
349087		29-MAY-14	NCL OF WISCONSIN INC		56.19			Voiced
349088		29-MAY-14	NEWPORT WINDOW MAINTENANCE INC		2,314.00			Voiced
349089		29-MAY-14	NMG GEOTECHNICAL INC		55,046.60			Voiced
349090		29-MAY-14	OLIN CORPORATION		14,065.13			Voiced
349091		29-MAY-14	ON ASSIGNMENT LAB SUPPORT		2,458.48			Voiced
349092		29-MAY-14	ORANGE COUNTY AUTO PARTS CO		491.75			Voiced
349093		29-MAY-14	ORANGE COUNTY FIRE AUTHORITY		146.00			Voiced
349094		29-MAY-14	ORANGE COUNTY TREASURER		66.00			Voiced

349095	29-MAY-14	OUTSOURCE	9,472.00	Voiced
349096	29-MAY-14	TECHNICAL LLC PARADA PAINTING INC	7,932.50	Voiced
349097	29-MAY-14	PARKWAY LAWNMOWER SHOP	172.37	Voiced
349098	29-MAY-14	PAULUS ENGINEERING INC	143,235.64	Voiced

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 Payment Type: All 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								
349099		29-MAY-14	PIVOT INTERIORS INC		15,569.49			Voiced
349100		29-MAY-14	PONTON INDUSTRIES INC		1,208.47			Voiced
349101		29-MAY-14	PRAXAIR DISTRIBUTION INC		2,156.60			Voiced
349102		29-MAY-14	PRE-PAID LEGAL SERVICES INC		2,142.74			Voiced
349103		29-MAY-14	PRIME CONTROLS COMPANY INC		96.43			Voiced
349104		29-MAY-14	PRUDENTIAL OVERALL SUPPLY		3,743.93			Voiced
349105		29-MAY-14	PTI SAND & GRAVEL INC		527.76			Voiced
349106		29-MAY-14	RAM AIR ENGINEERING INC		872.87			Voiced
349107		29-MAY-14	RBF CONSULTING		600.00			Voiced
349108		29-MAY-14	REFRIGERATION SUPPLIES		498.64			Voiced
349109		29-MAY-14	RMC WATER AND ENVIRONMENT		7,818.00			Voiced
349110		29-MAY-14	SANTA ANA BLUE PRINT		331.43			Voiced
349111		29-MAY-14	SANTA MARGARITA FORD		306.04			Voiced
349112		29-MAY-14	SECURTEC DISTRICT PATROL INC		2,200.00			Voiced
349113		29-MAY-14	SHAMROCK SUPPLY CO INC		27.78			Voiced
349114		29-MAY-14	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		356.82			Voiced
349115		29-MAY-14	SOUTH COAST ANSWERING SERVICE		470.44			Voiced
349116		29-MAY-14	SOUTHERN CALIFORNIA EDISON COMPANY		133,884.92			Voiced
349117		29-MAY-14	SOUTHERN CALIFORNIA SECURITY CENTER, INC.		107.76			Voiced
349118		29-MAY-14	SOUTHERN COUNTIES LUBRICANTS LLC		2,146.29			Voiced
349119		29-MAY-14	SUPPORT PRODUCTS SERVICES		425.58			Voiced
349120		29-MAY-14	TAYLOR MORRISON		80.69			Voiced

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 Payment Type: All 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								
349121		29-MAY-14	TESTAMERICA LABORATORIES, INC		349.65			Voiced
349122		29-MAY-14	TETRA TECH, INC		38,400.61			Voiced
349123		29-MAY-14	THE GAS COMPANY		384.28			Voiced
349124		29-MAY-14	THE NEW HOME COMPANY		67.71			Voiced
349125		29-MAY-14	TODAY REAL ESTATE		75.30			Voiced
349126		29-MAY-14	TROPICAL PLAZA NURSERY INC		5,556.19			Voiced
349127		29-MAY-14	TRUCPARCO		722.17			Voiced
349128		29-MAY-14	ULTIMATE DETAILING		150.00			Voiced
349129		29-MAY-14	ULTRA SCIENTIFIC		95.35			Voiced
349130		29-MAY-14	UNITED SITE SERVICES OF CALIFORNIA INC		120.90			Voiced
349131		29-MAY-14	UNIVAR USA INC		1,941.85			Voiced
349132		29-MAY-14	URBAN WATER INSTITUTE INC		1,500.00			Voiced
349133		29-MAY-14	URS CORPORATION		30,990.00			Voiced

349134	29-MAY-14	US BANK NAT'L ASSOCIATION NORTH DAKOTA	40,721.52	Voided
349135	29-MAY-14	VAUGHAN'S INDUSTRIAL REPAIR CO INC	8,092.27	Voided
349136	29-MAY-14	VERIZON CALIFORNIA INC	537.60	Voided
349137	29-MAY-14	VERIZON WIRELESS SERVICES LLC	6,359.30	Voided
349138	29-MAY-14	VERTECH INDUSTRIAL SYSTEMS, LLC	20,490.14	Voided
349139	29-MAY-14	WALTERS WHOLESALE ELECTRIC	1,850.08	Voided
349140	29-MAY-14	WASTE MANAGEMENT OF ORANGE COUNTY	903.34	Voided
349141	29-MAY-14	WATERLINE TECHNOLOGIES INC	2,840.00	Voided
349142	29-MAY-14	WAXIE'S ENTERPRISES, INC	420.69	Voided
349143	29-MAY-14	WECK LABORATORIES INC	3,075.00	Voided
349144	29-MAY-14	COUNTY OF ORANGE PURCHASE_P AY	516.00	Negotiable
349145	29-MAY-14	COUNTY OF ORANGE	3,096.00	Negotiable
349146	29-MAY-14	COX COMMUNICATIONS	3,350.97	Negotiable
349147	29-MAY-14	D & G SIGNS	70.20	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								
349148		29-MAY-14	DAN'S MACHINE TOOL, INC		327.28			Negotiable
349149		29-MAY-14	DIRECTV INC		105.98			Negotiable
349150		29-MAY-14	ENVIRONMENTAL SCIENCE ASSOCIATES		3,547.58			Negotiable
349151		29-MAY-14	EXECUTIVE LIGHTING & ELECTRIC		1,017.77			Negotiable
349152		29-MAY-14	FARRELL & ASSOCIATES		81.07			Negotiable
349153		29-MAY-14	FEDEX		626.46			Negotiable
349154		29-MAY-14	FERGUSON ENTERPRISES, INC.		1,918.08			Negotiable
349155		29-MAY-14	FISHER SCIENTIFIC COMPANY LLC		6,227.80			Negotiable
349156		29-MAY-14	FIVE POINT PARTNERS LLC		104,376.36			Negotiable
349157		29-MAY-14	FLEET SOLUTIONS LLC		4,291.30			Negotiable
349158		29-MAY-14	GARDENSOFT		3,000.00			Negotiable
349159		29-MAY-14	GARZA INDUSTRIES, INC		1,381.97			Negotiable
349160		29-MAY-14	GCI CONSTRUCTION, INC.		108,813.00			Negotiable
349161		29-MAY-14	GRAINGER		196.93			Negotiable
349162		29-MAY-14	GRIFFIN DEWATERING CORPORATION		2,024.75			Negotiable
349163		29-MAY-14	HAAKER EQUIPMENT COMPANY		257.08			Negotiable
349164		29-MAY-14	HACH COMPANY		4,949.89			Negotiable
349165		29-MAY-14	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY		206.37			Negotiable
349166		29-MAY-14	HERITAGE FIELDS EL TORO, LLC		266,733.15			Negotiable
349167		29-MAY-14	HILL BROTHERS CHEMICAL COMPANY		1,563.08			Negotiable
349168		29-MAY-14	HOME DEPOT USA INC		830.32			Negotiable
349169		29-MAY-14	HYDRO-SCAPE PRODUCTS INC		325.52			Negotiable
349170		29-MAY-14	IDENTICARD SYSTEMS WORLDWIDE INC		210.38			Negotiable
349171		29-MAY-14	IMMERSIV MEDIA		2,150.00			Negotiable
349172		29-MAY-14	INDUSTRIAL METAL SUPPLY CO		53.56			Negotiable
349173		29-MAY-14	INDUSTRIAL SURPLUS AND SALVAGE		1,150.00			Negotiable

IRWD Ledger Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 36  
 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								

349174	29-MAY-14	IRVINE PACIFIC, LP	1,203.01	Negotiable
349175	29-MAY-14	IRVINE PIPE & SUPPLY INC	761.55	Negotiable
349176	29-MAY-14	JACOBS PROJECT MANAGEMENT CO.	26,250.00	Negotiable
349177	29-MAY-14	KAAM GROUP INC	4,266.00	Negotiable
349178	29-MAY-14	KAZARIANS & ASSOCIATES, INC.	4,493.80	Negotiable
349179	29-MAY-14	KB HOMES	76.73	Negotiable
349180	29-MAY-14	KOELLER NEBEKER CARLSON & HALUCK, LLP	162.44	Negotiable
349181	29-MAY-14	MC MASTER CARR SUPPLY CO	5,263.20	Negotiable
349182	29-MAY-14	MR CRANE INC	848.00	Negotiable
349183	29-MAY-14	NATIONAL READY MIXED CONCRETE CO	532.20	Negotiable
349184	29-MAY-14	NATURES IMAGE INC	839.64	Negotiable
349185	29-MAY-14	NCL OF WISCONSIN INC	56.19	Negotiable
349186	29-MAY-14	NEWPORT WINDOW MAINTENANCE INC	2,314.00	Negotiable
349187	29-MAY-14	NMG GEOTECHNICAL INC	55,046.60	Negotiable
349188	29-MAY-14	OLIN CORPORATION	14,065.13	Negotiable
349189	29-MAY-14	ON ASSIGNMENT LAB SUPPORT	2,458.48	Negotiable
349190	29-MAY-14	ORANGE COUNTY AUTO PARTS CO	491.75	Negotiable
349191	29-MAY-14	ORANGE COUNTY FIRE AUTHORITY	146.00	Negotiable
349192	29-MAY-14	ORANGE COUNTY TREASURER	66.00	Negotiable
349193	29-MAY-14	OUTSOURCE TECHNICAL LLC	9,472.00	Negotiable
349194	29-MAY-14	PARADA PAINTING INC	7,932.50	Negotiable
349195	29-MAY-14	PARKWAY LAWNMOWER SHOP	172.37	Negotiable
349196	29-MAY-14	PAULUS ENGINEERING INC	143,235.64	Negotiable
349197	29-MAY-14	PIVOT INTERIORS INC	15,569.49	Negotiable
349198	29-MAY-14	PONTON INDUSTRIES INC	1,208.47	Negotiable

IRWD Ledger Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 37  
 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								
349199		29-MAY-14	PRAXAIR DISTRIBUTION INC		2,156.60			Negotiable
349200		29-MAY-14	PRE-PAID LEGAL SERVICES INC		2,142.74			Negotiable
349201		29-MAY-14	PRIME CONTROLS COMPANY INC		96.43			Negotiable
349202		29-MAY-14	PRUDENTIAL OVERALL SUPPLY		3,743.93			Negotiable
349203		29-MAY-14	PTI SAND & GRAVEL INC		527.76			Negotiable
349204		29-MAY-14	RAM AIR ENGINEERING INC		872.87			Negotiable
349205		29-MAY-14	RBF CONSULTING		600.00			Negotiable
349206		29-MAY-14	REFRIGERATION SUPPLIES		498.64			Negotiable
349207		29-MAY-14	RMC WATER AND ENVIRONMENT		7,818.00			Negotiable
349208		29-MAY-14	SANTA ANA BLUE PRINT		331.43			Negotiable
349209		29-MAY-14	SANTA MARGARITA FORD		306.04			Negotiable
349210		29-MAY-14	SECURTEC DISTRICT PATROL INC		2,200.00			Negotiable
349211		29-MAY-14	SHAMROCK SUPPLY CO INC		27.78			Negotiable
349212		29-MAY-14	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		356.82			Negotiable
349213		29-MAY-14	SOUTH COAST ANSWERING SERVICE		470.44			Negotiable
349214		29-MAY-14	SOUTHERN CALIFORNIA EDISON COMPANY		133,884.92			Negotiable
349215		29-MAY-14	SOUTHERN CALIFORNIA SECURITY CENTER, INC.		107.76			Negotiable
349216		29-MAY-14	SOUTHERN COUNTIES LUBRICANTS LLC		2,146.29			Negotiable

349217	29-MAY-14	SUPPORT PRODUCTS SERVICES	425.58	Negotiable
349218	29-MAY-14	TAYLOR MORRISON	80.69	Negotiable
349219	29-MAY-14	TESTAMERICA LABORATORIES, INC	349.65	Negotiable
349220	29-MAY-14	TETRA TECH, INC	38,400.61	Negotiable
349221	29-MAY-14	THE GAS COMPANY	384.28	Negotiable

IRWD Ledger Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 38  
 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								
349222		29-MAY-14	THE NEW HOME COMPANY		67.71			Negotiable
349223		29-MAY-14	TODAY REAL ESTATE		75.30			Negotiable
349224		29-MAY-14	TROPICAL PLAZA NURSERY INC		5,556.19			Negotiable
349225		29-MAY-14	TRUCPARCO		722.17			Negotiable
349226		29-MAY-14	ULTIMATE DETAILING		150.00			Negotiable
349227		29-MAY-14	ULTRA SCIENTIFIC		95.35			Negotiable
349228		29-MAY-14	UNITED SITE SERVICES OF CALIFORNIA INC		120.90			Negotiable
349229		29-MAY-14	UNIVAR USA INC		1,941.85			Negotiable
349230		29-MAY-14	URBAN WATER INSTITUTE INC		1,500.00			Negotiable
349231		29-MAY-14	URS CORPORATION		30,990.00			Negotiable
349232		29-MAY-14	US BANK NAT'L ASSOCIATION NORTH DAKOTA		40,721.52			Negotiable
349233		29-MAY-14	VAUGHAN'S INDUSTRIAL REPAIR CO INC		8,092.27			Negotiable
349234		29-MAY-14	VERIZON CALIFORNIA INC		537.60			Negotiable
349235		29-MAY-14	VERIZON WIRELESS SERVICES LLC		6,359.30			Negotiable
349236		29-MAY-14	VERTECH INDUSTRIAL SYSTEMS, LLC		20,490.14			Negotiable
349237		29-MAY-14	WALTERS WHOLESALE ELECTRIC		1,850.08			Negotiable
349238		29-MAY-14	WASTE MANAGEMENT OF ORANGE COUNTY		903.34			Negotiable
349239		29-MAY-14	WATERLINE TECHNOLOGIES INC		2,840.00			Negotiable
349240		29-MAY-14	WAXIE'S ENTERPRISES, INC		420.69			Negotiable
349241		29-MAY-14	WECK LABORATORIES INC		3,075.00			Negotiable
349242		30-MAY-14	INTERNAL REVENUE SERVICE	FRESNO	100.00			Negotiable
349243		30-MAY-14	CLEARINGHOUSE	PHOENIX	548.29			Negotiable
349244		30-MAY-14	PERS LONG TERM CARE	PASADENA	738.95			Negotiable
349245		30-MAY-14	IRWD EMPLOYEE ASSOCIATION	IRVINE	690.00			Negotiable
349246		30-MAY-14	VALLEY CREST COMPANIES	CALABASAS	710.00			Negotiable

IRWD Ledger Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 39  
 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								
Payment Document Subtotal:					8,589,710.44		5,277,918.59	

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
10416		08-MAY-14	CALPERS	SACRAMENTO	360,076.98			Negotiable
10417		14-MAY-14	RINGCLEAR LLC	1 SPRINGFIELD	42.00			Negotiable
10418		14-MAY-14	RINGCLEAR LLC	D SPRINGFIELD	33.60			Negotiable
10419		15-MAY-14	DIMENSION COMPUTER SOLUTIONS	DUBAI	6,850.00			Negotiable
10420		20-MAY-14	YORK INSURANCE SERVICES GROUP INC - CA	PAY	16,794.61			Negotiable
10421		20-MAY-14	YORK INSURANCE SERVICES GROUP INC - CA	PAY	1,497.71			Negotiable
10422		20-MAY-14	YORK INSURANCE	PAY	14,454.23			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
10423		21-MAY-14	SERVICES GROUP INC - CA PCL CONSTRUCTION, TEMPE INC.		340,650.00			Negotiable
10424		21-MAY-14	PCL CONSTRUCTION, ESR INC. 141511.1		37,850.00			Negotiable
10425		22-MAY-14	J.R. FILANC CONSTRUCTION COMPANY INC.	ESCONDIDO	129,907.32			Negotiable
10426		27-MAY-14	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	7,523.18			Negotiable
10427		27-MAY-14	SUMITOMO MITSUI BANKING CORPORATION	NEW YORK	1,202.79			Negotiable
10428		27-MAY-14	U.S. BANK NATIONALST. LOUIS ASSOCIATION		3,298.63			Negotiable
10429		27-MAY-14	BANK OF AMERICA	SAN FRANCISCO	3,471.20			Negotiable
10430		27-MAY-14	CITIGROUP GLOBAL MARKETS INC.	NEW YORK	871,454.90			Negotiable
10431		27-MAY-14	INTERNAL REVENUE SERVICE	FRESNO	149,750.03			Negotiable
10432		27-MAY-14	FRANCHISE TAX BOARD	SACRAMENTO	41,180.88			Negotiable

IRWD Ledger  
 BANK: Bank of America N.A. Branch : Los Angeles Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 Bank Account Currency: USD ( US Dollar ) Account: Checking AP and PR Page: 40  
 Payment Type: All 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 Wire								
10433		27-MAY-14	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,781.18			Negotiable
10434		27-MAY-14	ORDONEZ, CYNTHIA MARIE	DESERT HOT SPR	500.17			Negotiable
10435		27-MAY-14	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,376.90			Negotiable
10436		27-MAY-14	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	10,764.80			Negotiable
10437		27-MAY-14	GREAT WEST	DENVER	89,977.82			Negotiable
10438		28-MAY-14	MERRILL LYNCH CAPITAL SERVICES, INC	CHARLOTTE	160,000.00			Negotiable
10439		28-MAY-14	SUMITOMO MITSUI BANKING CORPORATION	NEW YORK	3,674.96			Negotiable
10440		28-MAY-14	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	1,927.45			Negotiable
10441		28-MAY-14	CALPERS	SACRAMENTO	82,945.19			Negotiable
10442		28-MAY-14	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	6,406.25			Negotiable
10443		28-MAY-14	MERRILL LYNCH CAPITAL SERVICES, INC	CHARLOTTE	190,000.00			Negotiable
10444		28-MAY-14	MUNICIPAL WATER DISTRICT OF ORANGEVALLEY COUNTY	FOUNTAIN	2,863,534.10			Negotiable
10445		28-MAY-14	INTERNAL REVENUE SERVICE	FRESNO	150,528.03			Negotiable
10446		28-MAY-14	FRANCHISE TAX BOARD	SACRAMENTO	41,060.22			Negotiable
10447		28-MAY-14	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,816.96			Negotiable
10448		28-MAY-14	ORDONEZ, CYNTHIA MARIE	DESERT HOT SPR	500.17			Negotiable
10449		28-MAY-14	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,376.90			Negotiable
10450		28-MAY-14	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	11,073.13			Negotiable

IRWD Ledger  
 BANK: Bank of America N.A. Branch : Los Angeles Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 Bank Account Currency: USD ( US Dollar ) Account: Checking AP and PR Page: 41  
 Payment Type: All 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 Wire								
10451		28-MAY-14	GREAT WEST	DENVER	95,566.72			Negotiable
10452		28-MAY-14	CALPERS	SACRAMENTO	83,298.85			Negotiable

10453	28-MAY-14	U.S. BANK NATIONALST. LOUIS ASSOCIATION		8,917.08	Negotiable
10454	28-MAY-14	MERRILL LYNCH CHARLOTTE CAPITAL SERVICES, INC		500,000.00	Negotiable
10455	28-MAY-14	BANK OF NEW YORK NEWARK MELLON TRUST COMPANY NA		8,125.00	Negotiable
10456	29-MAY-14	BANK OF NEW YORK NEWARK MELLON TRUST COMPANY NA		18,958.33	Negotiable
10457	30-MAY-14	INTERNAL REVENUE SERVICE	FRESNO	151,286.17	Negotiable
10458	30-MAY-14	FRANCHISE TAX BOARD	SACRAMENTO	41,248.74	Negotiable
10459	30-MAY-14	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,795.62	Negotiable
10460	30-MAY-14	ORDONEZ, CYNTHIA MARIE	DESERT HOT SPR	500.17	Negotiable
10461	30-MAY-14	YORK INSURANCE SERVICES GROUP INC - CA	PAY	5,480.47	Negotiable
10462	30-MAY-14	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,376.90	Negotiable
10463	30-MAY-14	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	10,736.54	Negotiable
10464	30-MAY-14	GREAT WEST	DENVER	89,164.99	Negotiable
10465	30-MAY-14	CALPERS	SACRAMENTO	83,318.15	Negotiable
10466	30-MAY-14	FILANC-BALFOUR BEATTY JV	WEST COVINA	1,652,708.02	Negotiable
10467	30-MAY-14	MERRILL LYNCH CAPITAL SERVICES, INC	CHARLOTTE	340,000.00	Negotiable

Payment Document Subtotal: 8,727,764.04

Bank Account Subtotal : 17,317,474.48 5,277,918.59

IRWD Ledger  
 BANK: Branch : Payment Register For 01-MAY-14 To 31-MAY-14 Report Date: 30-MAY-2014 15:19  
 Bank Account Currency: ( ) Account: Page: 42  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Report Count : 1067		Report Total:		17,317,474.48	5,277,918.59			

Total Disbursements

\*\*\* End of Report \*\*\*

IRWD Ledger

Void Payment Register

Report Date: 30-MAY-2014 15:19

Include Zero Amount Payments: Yes  
Display Payee Address: No

Period From: 01-MAY-14

Page: 1  
To: 31-MAY-14  
Date: Void Date

Bank: Bank of America N.A.

Branch: Los Angeles

Account: Checking AP and PR

Bank Account Currency: USD

Payment Currency: USD ( US Dollar )

Payment Number	Date	Payee Name	Site	Address	Payment Amount	Void Date
Payment Document: IRWD CHECK						
345551	16-JAN-14	TODAY REAL ESTATE	TUSTIN		31.12	12-MAY-14
345615	23-JAN-14	CHEN, MING	IRVINE		17.94	12-MAY-14
345709	23-JAN-14	PENG, ZHEN JIANG	LOS ANGELES		31.96	12-MAY-14
346255	13-FEB-14	PUREWALL, HARJOT	HIGHLAND		23.15	12-MAY-14
347461	02-APR-14	BLAKE, DARLA	IRVINE		17.45	05-MAY-14
347580	02-APR-14	PONTON INDUSTRIES INC	YORBA LINDA		6,906.95	05-MAY-14
347787	09-APR-14	RINGCLEAR LLC	BOXFORD		55.08	30-MAY-14
347923	16-APR-14	INDUSTRIAL SURPLUS AND SALV	PAY		1,150.00	29-MAY-14
347994	16-APR-14	RUSSOM, LAURA	NEWPORT BEACH		11.59	13-MAY-14
348462	08-MAY-14	BLUE, JOHN	COSTA MESA		25.40	19-MAY-14
349048	29-MAY-14	COUNTY OF ORANGE	PURCHASE PAY		3,612.00	29-MAY-14
349049	29-MAY-14	COX COMMUNICATIONS	PAY		3,350.97	29-MAY-14
349050	29-MAY-14	D & G SIGNS	ORANGE		70.20	29-MAY-14
349051	29-MAY-14	DAN'S MACHINE TOOL, INC	PAY		327.28	29-MAY-14
349052	29-MAY-14	DIRECTV INC	LOS ANGELES		105.98	29-MAY-14
349053	29-MAY-14	ENVIRONMENTAL SCIENCE ASSOC	ELK GROVE		3,547.58	29-MAY-14
349054	29-MAY-14	EXECUTIVE LIGHTING & ELECTR	PURCHASE		1,017.77	29-MAY-14
349055	29-MAY-14	FARRELL & ASSOCIATES	PAY		81.07	29-MAY-14
349056	29-MAY-14	FEDEX	PAY		626.46	29-MAY-14
349057	29-MAY-14	FERGUSON ENTERPRISES, INC.	LOS ANGELES		1,918.08	29-MAY-14
349058	29-MAY-14	FISHER SCIENTIFIC COMPANY L	PAY		6,227.80	29-MAY-14
349059	29-MAY-14	FIVE POINT PARTNERS LLC	ATLANTA		104,376.36	29-MAY-14
349060	29-MAY-14	FLEET SOLUTIONS LLC	RENO		4,291.30	29-MAY-14
349061	29-MAY-14	GARDENSOFT	PURCHASE PAY		3,000.00	29-MAY-14
349062	29-MAY-14	GARZA INDUSTRIES, INC	PURCHASE PAY		1,381.97	29-MAY-14
349063	29-MAY-14	GCI CONSTRUCTION, INC.	SAN CLEMENTE		108,813.00	29-MAY-14
349064	29-MAY-14	GRAINGER	PAY		196.93	29-MAY-14
349065	29-MAY-14	GRIFFIN DEWATERING CORPORAT	HOUSTON		2,024.75	29-MAY-14
349066	29-MAY-14	HAAKER EQUIPMENT COMPANY	PAY		257.08	29-MAY-14
349067	29-MAY-14	HACH COMPANY	CHICAGO		4,949.89	29-MAY-14
349068	29-MAY-14	HARTFORD LIFE AND ACCIDENT	ATLANTA		206.37	29-MAY-14
349069	29-MAY-14	HERITAGE FIELDS EL TORO, LL	ALISO VIEJO		266,733.15	29-MAY-14
349070	29-MAY-14	HILL BROTHERS CHEMICAL COMP	ORANGE		1,563.08	29-MAY-14
349071	29-MAY-14	HOME DEPOT USA INC	COLUMBUS		830.32	29-MAY-14
349072	29-MAY-14	HYDRO-SCAPE PRODUCTS INC	LOS ANGELES 1		325.52	29-MAY-14
349073	29-MAY-14	IDENTICARD SYSTEMS WORLDWID	PAY		210.38	29-MAY-14
349074	29-MAY-14	IMMERSIV MEDIA	PURCHASE		2,150.00	29-MAY-14
349075	29-MAY-14	INDUSTRIAL METAL SUPPLY CO	PAY		53.56	29-MAY-14

IRWD Ledger

Void Payment Register

Report Date: 30-MAY-2014 15:19

Include Zero Amount Payments: Yes  
Display Payee Address: No

Period From: 01-MAY-14

Page: 2  
To: 31-MAY-14  
Date: Void Date

Bank: Bank of America N.A.

Branch: Los Angeles

Account: Checking AP and PR

Bank Account Currency: USD

Payment Currency: USD ( US Dollar )

Payment Number	Date	Payee Name	Site	Address	Payment Amount	Void Date
Payment Document: IRWD CHECK						
349076	29-MAY-14	IRVINE PACIFIC, LP	NEWPORT BEACH		1,203.01	29-MAY-14
349077	29-MAY-14	IRVINE PIPE & SUPPLY INC	PAY		761.55	29-MAY-14
349078	29-MAY-14	JACOBS PROJECT MANAGEMENT C	IRVINE		26,250.00	29-MAY-14
349079	29-MAY-14	KAAM GROUP INC	PURCHASE		4,266.00	29-MAY-14
349080	29-MAY-14	KAZARIANS & ASSOCIATES, INC	PAY		4,493.80	29-MAY-14
349081	29-MAY-14	KB HOMES	WILDOMAR		76.73	29-MAY-14
349082	29-MAY-14	KOELLER NEBEKER CARLSON & H	IRVINE		162.44	29-MAY-14
349083	29-MAY-14	MC MASTER CARR SUPPLY CO	PAY		5,263.20	29-MAY-14
349084	29-MAY-14	MR CRANE INC	ORANGE 1		848.00	29-MAY-14
349085	29-MAY-14	NATIONAL READY MIXED CONCRE	ENCINO 1		532.20	29-MAY-14
349086	29-MAY-14	NATURES IMAGE INC	LAKE FOREST		839.64	29-MAY-14
349087	29-MAY-14	NCL OF WISCONSIN INC	PAY		56.19	29-MAY-14
349088	29-MAY-14	NEWPORT WINDOW MAINTENANCE	PAY		2,314.00	29-MAY-14
349089	29-MAY-14	NMG GEOTECHNICAL INC	IRVINE		55,046.60	29-MAY-14
349090	29-MAY-14	OLIN CORPORATION	ATLANTA		14,065.13	29-MAY-14
349091	29-MAY-14	ON ASSIGNMENT LAB SUPPORT	LOS ANGELES		2,458.48	29-MAY-14
349092	29-MAY-14	ORANGE COUNTY AUTO PARTS CO	PAY		491.75	29-MAY-14
349093	29-MAY-14	ORANGE COUNTY FIRE AUTHORIT	IRVINE 2		146.00	29-MAY-14
349094	29-MAY-14	ORANGE COUNTY TREASURER	SANTA ANA 2		66.00	29-MAY-14
349095	29-MAY-14	OUTSOURCE TECHNICAL LLC	NEWPORT BEACH		9,472.00	29-MAY-14
349096	29-MAY-14	PARADA PAINTING INC	POWAY		7,932.50	29-MAY-14
349097	29-MAY-14	PARKWAY LAWNMOWER SHOP	IRVINE		172.37	29-MAY-14
349098	29-MAY-14	PAULUS ENGINEERING INC	PAY		143,235.64	29-MAY-14
349099	29-MAY-14	PIVOT INTERIORS INC	LA MIRADA		15,569.49	29-MAY-14
349100	29-MAY-14	PONTON INDUSTRIES INC	YORBA LINDA		1,208.47	29-MAY-14
349101	29-MAY-14	PRAXAIR DISTRIBUTION INC	PAY		2,156.60	29-MAY-14
349102	29-MAY-14	PRE-PAID LEGAL SERVICES INC	ADA		2,142.74	29-MAY-14

349103	29-MAY-14	PRIME CONTROLS COMPANY INC	SAN CLEMENTE		96.43	29-MAY-14
349104	29-MAY-14	PRUDENTIAL OVERALL SUPPLY	SANTA ANA		3,743.93	29-MAY-14
349105	29-MAY-14	PTI SAND & GRAVEL INC	CORONA		527.76	29-MAY-14
349106	29-MAY-14	RAM AIR ENGINEERING INC	LAKE FOREST		872.87	29-MAY-14
349107	29-MAY-14	RBF CONSULTING	PASADENA		600.00	29-MAY-14
349108	29-MAY-14	REFRIGERATION SUPPLIES	PAY		498.64	29-MAY-14
349109	29-MAY-14	RMC WATER AND ENVIRONMENT	WALNUT CREEK		7,818.00	29-MAY-14
349110	29-MAY-14	SANTA ANA BLUE PRINT	IRVINE		331.43	29-MAY-14
349111	29-MAY-14	SANTA MARGARITA FORD	RSM		306.04	29-MAY-14
349112	29-MAY-14	SECURTEC DISTRICT PATROL IN	PAY		2,200.00	29-MAY-14
349113	29-MAY-14	SHAMROCK SUPPLY CO INC	ANAHEIM		27.78	29-MAY-14

IRWD Ledger

Report Date: 30-MAY-2014 15:19

Void Payment Register

Page: 3

Include Zero Amount Payments: Yes  
Display Payee Address: No

Period From: 01-MAY-14

To: 31-MAY-14  
Date: Void Date

Bank: Bank of America N.A.

Branch: Los Angeles

Account: Checking AP and PR

Bank Account Currency: USD

Payment Currency: USD ( US Dollar )

Payment Number	Date	Payee Name	Site	Address	Payment Amount	Void Date
Payment Document: IRWD CHECK						
349114	29-MAY-14	SOUTH COAST AIR QUALITY MAN	PAY		356.82	29-MAY-14
349115	29-MAY-14	SOUTH COAST ANSWERING SERVI	RIVERSIDE		470.44	29-MAY-14
349116	29-MAY-14	SOUTHERN CALIFORNIA EDISON	ROSEMEAD		133,884.92	29-MAY-14
349117	29-MAY-14	SOUTHERN CALIFORNIA SECURIT	PAY		107.76	29-MAY-14
349118	29-MAY-14	SOUTHERN COUNTIES LUBRICANT	PAY		2,146.29	29-MAY-14
349119	29-MAY-14	SUPPORT PRODUCTS SERVICES	MURRIETA		425.58	29-MAY-14
349120	29-MAY-14	TAYLOR MORRISON	IRVINE		80.69	29-MAY-14
349121	29-MAY-14	TESTAMERICA LABORATORIES, I	DALLAS 3		349.65	29-MAY-14
349122	29-MAY-14	TETRA TECH, INC	DENVER 2		38,400.61	29-MAY-14
349123	29-MAY-14	THE GAS COMPANY	MONTEREY PARK 1		384.28	29-MAY-14
349124	29-MAY-14	THE NEW HOME COMPANY	ALISO VIEJO		67.71	29-MAY-14
349125	29-MAY-14	TODAY REAL ESTATE	TUSTIN		75.30	29-MAY-14
349126	29-MAY-14	TROPICAL PLAZA NURSERY INC	PAY		5,556.19	29-MAY-14
349127	29-MAY-14	TRUCPARCO	ANAHEIM		722.17	29-MAY-14
349128	29-MAY-14	ULTIMATE DETAILING	PURCHASE		150.00	29-MAY-14
349129	29-MAY-14	ULTRA SCIENTIFIC	NORTH KINGSTON		95.35	29-MAY-14
349130	29-MAY-14	UNITED SITE SERVICES OF CAL	PHOENIX		120.90	29-MAY-14
349131	29-MAY-14	UNIVAR USA INC	PAY		1,941.85	29-MAY-14
349132	29-MAY-14	URBAN WATER INSTITUTE INC	LAKE FOREST		1,500.00	29-MAY-14
349133	29-MAY-14	URS CORPORATION	PAY		30,990.00	29-MAY-14
349134	29-MAY-14	US BANK NAT'L ASSOCIATION N	ST. LOUIS		40,721.52	29-MAY-14
349135	29-MAY-14	VAUGHAN'S INDUSTRIAL REPAIR	PARAMOUNT		8,092.27	29-MAY-14
349136	29-MAY-14	VERIZON CALIFORNIA INC	PAY		537.60	29-MAY-14
349137	29-MAY-14	VERIZON WIRELESS SERVICES L	PAY		6,359.30	29-MAY-14
349138	29-MAY-14	VERTECH INDUSTRIAL SYSTEMS,	PURCHASE		20,490.14	29-MAY-14
349139	29-MAY-14	WALTERS WHOLESALE ELECTRIC	LONG BEACH		1,850.08	29-MAY-14
349140	29-MAY-14	WASTE MANAGEMENT OF ORANGE	PAY		903.34	29-MAY-14
349141	29-MAY-14	WATERLINE TECHNOLOGIES INC	SANTA ANA		2,840.00	29-MAY-14
349142	29-MAY-14	WAXIE'S ENTERPRISES, INC	LOS ANGELES		420.69	29-MAY-14
349143	29-MAY-14	WECK LABORATORIES INC	PAY		3,075.00	29-MAY-14

Payment Document Subtotal 1,151,889.35

Bank Account Subtotal 1,151,889.35

IRWD Ledger

Void Payment Register

Report Date: 30-MAY-2014 15:19

Page: 4

Include Zero Amount Payments: Yes  
Display Payee Address: No

Period From: 01-MAY-14

To: 31-MAY-14  
Date: Void Date

Report Count: 106

Report Total 1,151,889.35

Total Voids

\*\*\* End of Report \*\*\*

17,317,474.48 Total Disbursements

<1,151,889.35> Total Voids

16,165,585.13



Exhibit "E"

**IRWD Gov Code 53065.5 Disclosure Report**

Payment or Reimbursements for Individual charges of \$100 or more per transaction for services or product received.

01-MAY-2014 to 31-MAY-2014

NAME	CHECK	CHECK DATE	TRANSACTION	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Bailey, Johnathan R	348773	22-May-14	160.00	Membership/Certification	Collection System Grade II Certificate Test Fee
Bonkowski, Leslie	348442	8-May-14	155.39	Other(Misc)	Meeting supplies
Burton, Kevin	348441	8-May-14	115.00	Membership/Certification	Certificate renewal - Mechanical Engineer
Collazo, Carlos	348594	15-May-14	120.00	Membership/Certification	CA Dept of Public Health Water Distribution Operator Grade III Renewal
Daniel, Matthew	349014	29-May-14	148.00	Membership/Certification	CWEA membership renewal fee
Figueroa, Jorge	348234	1-May-14	406.08	Other(Misc)	Annual Tool Expense Reimbursement FY 13-14
Figueroa, Jorge	348234	1-May-14	149.39	Other(Misc)	Annual Tool Expense Reimbursement FY 13-14
Fike, Christopher	349019	29-May-14	300.00	Membership/Certification	Grade III Wastewater Treatment Plant Operator Certification renewal
Garza, Gaspar	348437	8-May-14	340.00	Membership/Certification	Grade V Wastewater Treatment Plant Operator Certification renewal
Lin, Eileen	348435	8-May-14	1,295.00	Other(Misc)	CalCPA Annual Seminar/Training Courses
Malloy, Steven	348447	8-May-14	199.00	Airfare	Attended CWEA Annual Conf., San Jose, CA 4/30/2013 - 5/1/2014
Matheis, Mary Aileen	348445	8-May-14	206.00	Lodging	Attended ACWA Legislative Symposium, Sacramento, CA 3/4/2014
Moeder, Jacob	348439	8-May-14	115.00	Membership/Certification	Certificate renewal - Professional Engineer
Perry, Rick	349016	29-May-14	671.39	Other(Misc)	Annual Tool Expense Reimburesment FY 13-14
Pfister, Ken	348599	15-May-14	242.60	Auto Rental	Attended SWOA Annual Symposium, Santa Rosa, CA 5/5/2014 - 5/7/2014
Reed, Shannon	348446	8-May-14	152.88	Mileage	Attended CAPIO Annual Conf., Santa Barbara, CA 4/10/2014 - 4/11/2014
Sanchez, Hector	348438	8-May-14	200.00	Other(Misc)	Safety shoes reimbursement
Sanchez, Hector	349012	29-May-14	204.95	Other(Misc)	Annual Tool Expense Reimbursement FY 13-14
Sanchez, Hector	349012	29-May-14	119.64	Other(Misc)	Annual Tool Expense Reimbursement FY 13-14
Sanchez, Hector	349012	29-May-14	170.30	Other(Misc)	Annual Tool Expense Reimbursement FY 13-14
Schreck, Jeff	348233	1-May-14	181.44	Other(Misc)	Safety shoes reimbursement
<b>Total Amount:</b>			<b>\$ 5,652.06</b>		



June 23, 2014

Prepared by: R. Lee

Submitted by: P. Sheilds

Approved by: Paul Cook 

## CONSENT CALENDAR

### APPROVAL OF IRWD'S SHARE OF SOCWA'S FISCAL YEAR 2014-15 OPERATING BUDGET

#### SUMMARY:

Staff has been provided IRWD's share of the South Orange County Wastewater Authority (SOCWA) Fiscal Year (FY) 2014-2015 Operating Budget which reflects a decrease of \$8,206 from the FY 2013-14 Operating Budget. Staff recommends that the Board approve IRWD's share of the SOCWA Operations and Maintenance (O&M) budget in the amount of \$255,208.

#### BACKGROUND:

IRWD is a member agency of SOCWA for the Los Alisos Water Recycling Plant (LAWRP) effluent disposal capacity within SOCWA's Aliso Creek Ocean Outfall. IRWD is responsible to fund a portion of SOCWA's General Fund; Project Committee 2 Water Reclamation Permitting; Pretreatment Program; and Project Committee 21 and 24 Capital Replacement, Operation, and Maintenance expenses. These expenses are allocated based on capacity ownership and a percentage of agencies' effluent flows.

The SOCWA Operations and Maintenance (O & M) budget is subject to the approval of each member agencies' governing body. IRWD's portion of SOCWA's O&M budget for FY 2014-15 is \$255,208 as shown in Exhibit "A". This reflects a decrease of \$8,206 from FY 2013-14 O&M budget.

#### FISCAL IMPACTS:

Sufficient funds are included in IRWD's approved FY 2014-15 Operating Budget for these costs. The IRWD portion of the SOCWA capital budget is managed through IRWD's capital program budget, and SOCWA is not planning to perform any capital related projects that pertains to IRWD's portion of the system; therefore, no capital funding is allocated for FY 2014-15.

#### ENVIRONMENTAL COMPLIANCE:

Not applicable.

#### COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on June 17, 2014.

**RECOMMENDATION:**

**THAT THE BOARD APPROVE IRWD'S SHARE OF SOCWA'S OPERATIONS AND MAINTENANCE FISCAL YEAR 2014-15 BUDGET IN THE AMOUNT OF \$255,208.**

**LIST OF EXHIBITS:**

**Exhibit "A" – SOCWA's Summary of Member Agency Allocations for FY 2014-15**

# EXHIBIT "A"

## South Orange County Wastewater Authority Summary of Member Agency Allocations - TOTALS

FY 2014-15											
PROJECT COMMITTEES	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TCWD	Totals
PC 2 Treatment Plant - JBL	-	-	4,912,165	-	-	-	3,415,368	3,939,791	3,555,611	-	15,822,935
PC 3A Treatment Plant - 3A	-	-	-	-	-	-	4,606,920	-	1,215,970	-	5,822,890
PC 15 Treatment Plant - CTP	2,165,932	-	-	121,799	-	-	858,010	2,299,804	-	-	5,445,545
PC 17 Treatment Plant - RTP	717,512	-	-	28,729	1,003,698	-	10,911,326	498,980	-	-	13,160,245
PC 5 Ocean Outfall - San Juan Creek	-	165,214	181,389	-	-	-	149,880	133,800	383,887	-	1,014,170
PC 24 Ocean Outfall - Aliso Creek	106,896	-	-	4,188	174,335	158,923	190,423	44,285	-	-	679,050
PC 2(SO) Water Reclamation Permitting	-	-	14,060	-	13,760	16,290	65,150	19,450	45,540	18,430	192,680
PC 21 Effluent Transmission Main	-	-	-	-	34,231	34,231	24,338	-	-	-	92,800
PC 23 North Coast Interceptor	298,389	-	-	11,111	-	-	-	-	-	-	309,500
GF General Fund	28,015	26,649	30,737	26,719	30,064	29,703	35,580	31,714	30,806	3,013	273,000
PT Pretreatment Program	15,830	15,252	26,355	1,372	13,170	16,061	53,420	42,432	57,583	-	241,475
<b>TOTALS</b>	<b>3,332,574</b>	<b>207,115</b>	<b>5,164,706</b>	<b>193,918</b>	<b>1,269,258</b>	<b>255,208</b>	<b>20,310,415</b>	<b>7,010,256</b>	<b>5,289,397</b>	<b>21,443</b>	<b>43,054,290</b>

FY 2013-14											
PROJECT COMMITTEES	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TCWD	Totals
PC 2 Treatment Plant - JBL	-	-	2,170,707	-	-	-	1,368,676	1,705,040	1,718,647	-	6,963,070
PC 3A Treatment Plant - 3A	-	-	-	-	-	-	2,152,883	-	273,547	-	2,426,430
PC 15 Treatment Plant - CTP	2,497,008	-	-	156,558	-	-	1,166,236	2,322,978	-	-	6,142,780
PC 17 Treatment Plant - RTP	515,998	-	-	20,482	677,850	-	6,192,369	350,841	-	-	7,757,540
PC 5 Ocean Outfall - San Juan Creek	-	126,670	143,070	-	-	-	113,910	109,240	285,230	-	778,120
PC 24 Ocean Outfall - Aliso Creek	95,915	-	-	4,690	166,072	170,880	243,587	56,056	-	-	737,200
PC 2(SO) Water Reclamation Permitting	-	-	18,420	-	14,657	24,362	70,610	21,589	48,922	21,390	219,950
PC 21 Effluent Transmission Main	-	-	-	-	23,916	23,916	19,818	-	-	-	67,650
PC 23 North Coast Interceptor	401,066	-	-	14,934	-	-	-	-	-	-	416,000
GF General Fund	28,035	26,505	30,865	26,675	30,136	29,656	35,466	31,616	30,786	3,010	272,750
PT Pretreatment Program	14,700	14,600	25,800	1,300	12,400	14,600	51,600	39,200	54,800	-	229,000
<b>TOTALS</b>	<b>3,552,722</b>	<b>167,775</b>	<b>2,388,862</b>	<b>224,639</b>	<b>925,031</b>	<b>263,414</b>	<b>11,415,155</b>	<b>4,636,560</b>	<b>2,411,932</b>	<b>24,400</b>	<b>26,010,490</b>

CHANGE - FY 2014-15 vs FY 2013-14											
PROJECT COMMITTEES	CLB	CSC	CSJC	EBSD	ETWD	IRWD	MNWD	SCWD	SMWD	TCWD	Totals
PC 2 Treatment Plant - JBL	-	-	2,741,458	-	-	-	2,046,692	2,234,751	1,836,964	-	8,859,865
PC 3A Treatment Plant - 3A	-	-	-	-	-	-	2,454,037	-	942,423	-	3,396,460
PC 15 Treatment Plant - CTP	(331,076)	-	-	(34,759)	-	-	(308,226)	(23,174)	-	-	(697,235)
PC 17 Treatment Plant - RTP	201,514	-	-	8,247	325,848	-	4,718,957	148,139	-	-	5,402,705
PC 5 Ocean Outfall - San Juan Creek	-	38,544	38,319	-	-	-	35,970	24,560	98,657	-	236,050
PC 24 Ocean Outfall - Aliso Creek	10,981	-	-	(502)	8,263	(11,957)	(53,164)	(11,771)	-	-	(58,150)
PC 2(SO) Water Reclamation Permitting	-	-	(4,360)	-	(897)	(8,072)	(5,460)	(2,139)	(3,382)	(2,960)	(27,270)
PC 21 Effluent Transmission Main	-	-	-	-	10,315	10,315	4,520	-	-	-	25,150
PC 23 North Coast Interceptor	(102,677)	-	-	(3,823)	-	-	-	-	-	-	(106,500)
GF General Fund	(20)	144	(128)	44	(72)	47	114	98	20	3	250
PT Pretreatment Program	1,130	652	555	72	770	1,461	1,820	3,232	2,783	-	12,475
<b>TOTALS</b>	<b>(220,148)</b>	<b>39,340</b>	<b>2,775,844</b>	<b>(30,721)</b>	<b>344,227</b>	<b>(8,206)</b>	<b>8,895,260</b>	<b>2,373,696</b>	<b>2,877,465</b>	<b>(2,957)</b>	<b>17,043,800</b>



PS  
June 23, 2014  
Prepared by: H. Cho/M. Cortez  
Submitted by: K. Burton *KL.B*  
Approved by: Paul Cook *[Signature]*

CONSENT CALENDAR

SYPHON RESERVOIR INTERIM FACILITIES  
BUDGET INCREASE, EXPENDITURE AUTHORIZATION, AND VARIANCE

SUMMARY:

The Syphon Reservoir Interim Facilities Project is currently under construction. The improvements include a filtration system, chlorination system, and pipeline modifications to connect the Syphon Reservoir to the Zone A recycled water system. Additional budget and Expenditure Authorization are required due to additional design and construction costs for the District's cost-sharing of the recently installed 8-inch sewer across Portola Parkway, electrical modifications, canopy construction, and SCADA integration. Staff recommends that the Board:

- Authorize a budget increase for Project 30374 in the amount of \$189,100 from \$2,732,300 to \$2,921,400;
- Approve an Expenditure Authorization for Project 30374 in the amount of \$189,100; and
- Authorize the General Manager to execute Variance No. 5 in the amount of \$10,500 to URS Corporation, Inc. for the Syphon Reservoir Interim Facilities, Project 30374.

BACKGROUND:

IRWD purchased Syphon Reservoir from The Irvine Company in 2010 to provide additional recycled water storage. While the long-term storage capacity of the reservoir is being determined, this project will construct chlorination facilities, strainers and pipeline improvements to connect Syphon Reservoir to the Zone A recycled water system. Construction is on-going, and completion is currently on schedule for July 31, 2014. A budget increase and an Expenditure Authorization are required due to additional design and construction costs as described below.

Additional Costs:

Additional construction work includes electrical modifications required to include high pressure alarms to the strainer backwash pump and chemical pumps, a flow switch alarm to the safety shower, and construction of a small canopy over the air compressor. The costs for these modifications are approximately \$30,000 and will be processed as change orders under the General Manager's authorization.

IRWD and Crean entered into a Reimbursement Agreement for the cost-sharing of the 8-inch sewer that crosses Portola Parkway serving both IRWD and Crean. This sewer will carry backwash from IRWD's strainers. IRWD's share of the cost is approximately \$75,000.

URS Corporation, Inc. completed additional design work for the electrical modifications mentioned above and an access road realignment. The road was re-designed to provide a safer transition to the existing road that runs along the Highline Canal to the southeast of the reservoir.

URS also designed a staff-requested canopy to protect the air compressor. URS submitted Variance No. 5 in the amount of \$10,500 for this work. Staff reviewed the variance and found the work effort and cost fair and reasonable; Variance No. 5 is attached as Exhibit “A”.

Lastly, additional consultant and staff time to complete construction is required. This work includes SCADA integration to be completed by IRWD’s consultant, Vertech, at a fee \$49,900, and staff’s construction administration time, which is approximately \$25,000.

FISCAL IMPACTS:

Project 30374 (3729) is included in the FY 2013-14 Capital Budget. Staff requests a Budget increase and an Expenditure Authorization as shown in the table below and in Exhibit “B”.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
30374 (3729)	\$2,732,300	\$189,100	\$2,921,400	\$2,732,300	\$189,100	\$2,921,400

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and in conformance of California Code of Regulations Title 14, Chapter 3, Article 6, a Notice of Intent to adopt a Mitigated Negative Declaration was filed with the County of Orange on December 15, 2012. Pursuant to State Guideline §15073, the IS/MND was made available for public review for a period of 30 days beginning December 15, 2012 and concluded January 14, 2013. The Mitigated Negative Declaration was adopted by the Irvine Ranch Water District Board of Directors on January 28, 2013.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on June 17, 2014.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE FOR PROJECT 30374 (3729) IN THE AMOUNT OF \$189,100 FROM \$2,732,300 TO \$2,921,400; APPROVE AN EXPENDITURE AUTHORIZATION FOR PROJECT 30374 (3729) IN THE AMOUNT OF \$189,100; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 5 IN THE AMOUNT OF \$10,500 WITH URS CORPORATION, INC. FOR THE SYPHON RESERVOIR INTERIM FACILITIES, PROJECT 30374 (3729).

LIST OF EXHIBITS:

- Exhibit “A” – Variance No. 5 (URS Corporation)
- Exhibit “B” – Expenditure Authorization



May 27, 2014

Mr. Harry Cho, P.E.  
Irvine Ranch Water District  
3512 Michelson Dr.  
Irvine, CA 92612-1799

**Subject: Variance No. 5 for additional Construction Phase Services**

**Reference: Construction Phase Services for Syphon Reservoir Interim Facilities  
(Project 30374)**

Dear Harry:

This letter presents the scope and costs for Variance No. 5 for the referenced project.

**I. Additional Services**

Additional services provided during the construction phase include:

- Provide engineering services for relocation/re-grading of the site and access road along the Crean Sports Complex property line, additional coordination with SCE, revisions to the power supply plan, and design of a metal canopy for the outdoor air compressor equipment.
- Provide engineering services and permit fees for resubmittal of the Fire Master Plan to OCFA. The Fire Master Plan will need to be revised and resubmitted to OCFA to account for relocation and re-grading of the site access road through the Crean Sports Complex.

**II. Budget**

The total fee for construction phase services is \$10,500. A breakdown of labor hours and costs is attached (see Table 1). Should you have any questions or need additional information, please feel free to call Bryan Paine at 714.433.7652.

Sincerely,  
URS Corporation

Bryan Paine, P.E.  
Project Engineer

Joseph Long  
Project Manager

**Enclosures**

URS Corporation  
2020 East First Street, Suite 400  
Santa Ana, CA 92705  
Tel: 714.835.6886  
Fax: 714.433.7701

**Table 1 - Estimated Labor Hours and Fees**  
 Irvine Ranch Water District  
 Syphon Reservoir Interim Facilities Project  
 Variance No. 5  
 May 27, 2014

Task No.	Task Description	Project Manager	Principal Engineer - QA/QC	Project Engineer	Staff Engineer	Senior CAD Technician	Admin / Permit Coord. / Repro	TOTAL HOURS	TOTAL LABOR	Electrical Subconsultant Moraes/Pham	Direct Costs / Materials	TOTAL
		\$185	\$170	\$130	\$60	\$75	\$60					
<b>TASK 3: Construction Phase Services</b>												
1.	Project Meetings											
2.	Contractor's RFI (10 Additional RFIs)											
3.	Minor Plan Revisions	8	4	24	4	30	6	76	\$8,210	\$2,000	\$290	\$10,500
4.	Site Visits											
5.	Shop Drawing Reviews (10 Additional Reviews)											
6.	Prepare Record Drawings											
7.	Prepare Plans for 550 LF of 4" Potable Water Pipeline											
8.	Prepare Plans for 800 LF of 8" Gravity Sewer Pipeline											
<b>TOTAL TASK 3</b>		<b>8</b>	<b>4</b>	<b>24</b>	<b>4</b>	<b>30</b>	<b>6</b>	<b>76</b>	<b>\$8,210</b>	<b>\$2,000</b>	<b>\$290</b>	<b>\$10,500</b>

Footnotes:

1. Direct costs include \$205.00 permit fee for Fire Master Plan resubmittal to OCFA and mileage to/from OCFA.

# IRVINE RANCH WATER DISTRICT PROFESSIONAL SERVICES VARIANCE

Project Title: Syphon Reservoir Interim Facilities

Project No.: PR 30374

Date: May 27, 2014

Purchase Order No.: 508179

Variance No.: Five

Originator:      IRWD        ENGINEER/CONSULTANT      Other (Explain) \_\_\_\_\_

Description of Variance (*attach any back-up material*):

Design services for relocation/re-grading of the site and access road along the Crean Sports Complex property line, additional coordination with SCE, revisions to the power supply plan, design of a metal canopy for the outdoor air compressor equipment, revisions to the Fire Master Plan and resubmittal to Orange County Fire Authority.

Engineering & Management Cost Impact:

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
Project Manager	8	\$185	\$1,480	\$0	\$0	\$1,480
Principal Engineer	4	\$170	\$680	\$0	\$0	\$680
Project Engineer	24	\$130	\$3,120	\$290	\$2,000	\$5,410
Staff Engineer	4	\$80	\$320	\$0	\$0	\$320
Senior CAD Technician	30	\$75	\$2,250	\$0	\$0	\$2,250
Admin./Reprographics Technician	6	\$60	\$360	\$0	\$0	\$360
<b>Total \$ =</b>						<b>\$10,500</b>

Schedule Impact:

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
3	Construction Phase Services	June 2013	+ 12 Month	June 2014

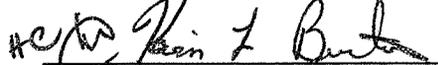
Required Approval Determination:

<p>Total Original Contract                    <u>\$ 170,000</u></p> <p>Previous Variances \$ <u>99,410</u></p> <p>This Variance            <u>\$ 10,500</u></p> <p>Total Sum of Variances                    <u>\$ 109,910</u></p> <p>New Contract Amount                        <u>\$ 279,910</u></p> <p>Percentage of Total Variances to Original Contract                        <u>64.7 %</u></p>	<p><input type="checkbox"/> General Manager: Single Variance less than or equal to \$30,000.</p> <p><input type="checkbox"/> Committee: Single Variance greater than \$30,000, and less than or equal to \$60,000.</p> <p><input type="checkbox"/> Board: Single Variance greater than \$60,000.</p> <p><input checked="" type="checkbox"/> Board: Cumulative total of Variances greater than \$60,000, or 30% of the original contract, whichever is higher.</p>
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ENGINEER/CONSULTANT: URS Corporation

IRVINE RANCH WATER DISTRICT

Company Name

Project Engineer/Manager

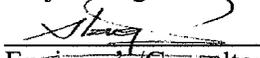
5/27/14

Date

Department Director

6/10/14

Date

  
Engineer's/Consultant's Management

5/27/14

Date

General Manager/Comm./Board

Date

IRVINE RANCH WATER DISTRICT

**PROFESSIONAL SERVICES VARIANCE REGISTER**

Project Title: Syphon Reservoir Interim Facilities

Project No.: PR 30374 Project Manager: Harry Cho

Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
One	Reimbursement of OCFA permit fees and extra external reproduction costs. Additional labor for design of reservoir aeration system, labor for revising plans and Project Manual to account for rough grading delays at Crean Sports Complex site, labor for combining Project Manuals for Syphon Reservoir Pipeline Project and Syphon Reservoir Interim Facilities Project into one document, and labor for preparing the OCFA Fire Master Plan.	1/7/2013	1/25/2013	\$24,460
Two	Construction plan revisions for removal of the strainer backwash lift station, addition of a buried backwash-holding tank, relocation of proposed utilities due to unforeseen buried obstructions, relocation of proposed facilities due to redesign of the Crean Sports Complex (by others), review of 50 additional shop drawings, and additional coordination with SCE.	4/29/2013	5/2/2013	\$25,000
Three	Prepare revisions to the construction plans to account for design changes by others related to the proposed Crean Sports Complex. Design impacts include relocation of the access road, relocation of the proposed 4-inch domestic water, relocation of the SCE conduit, meter, and transformer and relocation of the proposed storm drain system. Provide additional coordination with IRWD, Hunsaker, and SCE during the construction phase. Provide twenty (20) additional shop drawing reviews.	8/23/2013	8/28/2013	\$10,000
Four	Design of 800 LF of 8-inch gravity sewer, 550 LF of 4-inch potable water, 50 LF of 4-inch drain, plan revisions to the site access road, site gate/fencing, compressed air piping, site grading, mechanical piping, and disinfection facilities. Revise and resubmit the Fire Master Plan. Provide ten (10) additional shop drawing reviews. Respond to ten (10) additional contractor's requests for information (RFI).	2/11/2014	3/19/2014	\$39,950

Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
Five	Design services for relocation/re-grading of the site and access road along the Crean Sports Complex property line, additional coordination with SCE, revisions to the power supply plan, design of a metal canopy for the outdoor air compressor equipment, revisions to the Fire Master Plan and resubmittal to Orange County Fire Authority.	5/27/2014		\$10,500



# IRVINE RANCH WATER DISTRICT

EXHIBIT D

## Expenditure Authorization

Project Name: SYPHON RESERVOIR INTERIM IMPROVEMENTS  
 EPMS Project No: 30374 EA No: 6  
 Oracle Project No: 3729  
 Project Manager: CORTEZ, MALCOLM  
 Project Engineer: CHO, HARRY  
 Request Date: June 10, 2014

ID Split: Regional Reclaimed Water Split with LAWD (11/08)

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
211	2.1	CAPITAL FUND
212	13.2	BONDS YET TO BE SOLD**
213	4.8	BONDS YET TO BE SOLD**
215	.7	CAPITAL FUND
221	13.2	BONDS YET TO BE SOLD**
230	9.6	BONDS YET TO BE SOLD**
235	7.9	PREVIOUSLY SOLD BONDS
240	7.7	BONDS YET TO BE SOLD**
250	31.7	BONDS YET TO BE SOLD**
261	9.1	BONDS YET TO BE SOLD**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

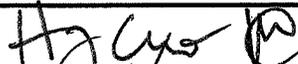
Previously Approved EA Requests:	\$2,732,300
This Request:	\$189,100
<b>Total EA Requests:</b>	<b>\$2,921,400</b>
Previously Approved Budget:	\$2,732,300
Budget Adjustment Requested this EA:	\$189,100
<b>Updated Budget:</b>	<b>\$2,921,400</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	0	45,000	45,000	0	45,000	45,000	5/12	1/13
ENGINEERING DESIGN - OUTSIDE	0	250,000	250,000	0	250,000	250,000	5/12	1/13
DESIGN STAFF FIELD SUPPORT	0	5,000	5,000	0	5,000	5,000	5/12	1/13
ENGINEERING - CA&I IRWD	35,000	80,000	115,000	35,000	80,000	115,000	2/13	4/14
ENGINEERING - CA&I OUTSIDE	25,000	130,000	155,000	25,000	130,000	155,000	2/13	4/14
CONSTRUCTION FIELD SUPPORT	0	5,000	5,000	0	5,000	5,000	2/13	4/14
CONSTRUCTION	120,000	2,020,000	2,140,000	120,000	2,020,000	2,140,000	2/13	4/14
LEGAL	0	2,000	2,000	0	2,000	2,000	5/12	4/14
ENGINEERING ENVIRONMENTAL-OUTS	0	65,000	65,000	0	65,000	65,000	5/12	4/14
Contingency - 5.00% Subtotal	\$9,100	\$130,300	\$139,400	\$9,100	\$130,300	\$139,400		
<b>Subtotal (Direct Costs)</b>	<b>\$189,100</b>	<b>\$2,732,300</b>	<b>\$2,921,400</b>	<b>\$189,100</b>	<b>\$2,732,300</b>	<b>\$2,921,400</b>		
Estimated G/A - 170.00% of direct labor*	\$59,500	\$229,500	\$289,000	\$59,500	\$229,500	\$289,000		
<b>Total</b>	<b>\$248,600</b>	<b>\$2,961,800</b>	<b>\$3,210,400</b>	<b>\$248,600</b>	<b>\$2,961,800</b>	<b>\$3,210,400</b>		
Direct Labor	\$35,000	\$135,000	\$170,000	\$35,000	\$135,000	\$170,000		

\*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:



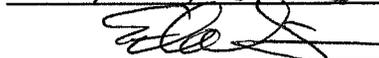
6/10/14

Department Director:



6/10/14

Finance:



6/13/14

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 \$3,275,000. 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.



  
 June 23, 2014  
 Prepared by: J. Smyth/M. Cortez  
 Submitted by: K. Burton   
 Approved by: Paul Cook 

CONSENT CALENDAR

**SAN JOAQUIN RESERVOIR ACTUATOR REPAIR/REPLACEMENT  
EXPENDITURE AUTHORIZATION**

**SUMMARY:**

The San Joaquin Reservoir Actuator Repair/Replacement Project will repair/replace two valves/actuators on the inlet/outlet pipeline of the San Joaquin Reservoir. Staff recommends that the Board approve an Expenditure Authorization in the amount of \$155,700 for the San Joaquin Reservoir Actuator Repair/Replacement, Project 30455.

**BACKGROUND:**

There are five valves with hydraulic actuators on the 60-inch inlet/outlet pipeline of the San Joaquin Reservoir. The valves are required for normal and emergency operation of the reservoir; hydraulic actuators are used to open and close the valves. The 24-inch valve and actuator at elevation 360 feet is inoperable. This project will utilize divers to investigate the 24-inch valve and actuator. If it cannot be repaired in-place, it will be removed from the reservoir, repaired and reinstalled. The 48-inch valve actuator at elevation 380 feet has an actuator piston and hydraulic fluid issue and needs to be replaced. Divers will remove the existing actuator and replace it with a new actuator that was pre-purchased due to a long delivery time. The existing actuator will be repaired and ultimately used to replace the leaking actuator on the 48-inch valve at elevation 450 feet. Staff will perform this replacement when the valve is exposed above the water level.

**Construction Award:**

The project was advertised on May 12, 2014 to a select list of three contractors: Divecorr, Inland Potable Services, Inc. and WV Construction Company. Divecorr notified staff that it would not submit a bid; the other two contractors attended the pre-bid meeting on May 14, 2014 and submitted bids on June 5, 2014. Inland Potable Services, Inc. is the apparent low bidder with a bid amount of \$68,265. A Bid Summary is attached as Exhibit "A". The contract with Inland Potable Services, Inc. is within the approval limits of the General Manager.

**FISCAL IMPACTS:**

The San Joaquin Reservoir Actuator Repair/Replacement Project is included in the FY 2014-15 Capital Budget. Staff requests approval of an Expenditure Authorization as shown in the table below and in Exhibit "B".

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
30455 (5153)	\$254,700	\$-0-	\$254,700	\$-0-	\$155,700	\$155,700

ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) and in conformance with California Code of Regulations Title 14, Chapter 3, Sections 15301 and 15302. Section 15301 provides exemption for minor alterations of existing structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination. Section 15302 provides exemption for replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced. A Notice of Exemption was filed with the County of Orange on June 3, 2014.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on June 17, 2014.

RECOMMENDATION:

THAT THE BOARD APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$155,700 FOR THE SAN JOAQUIN RESERVOIR ACTUATOR REPAIR/REPLACEMENT, PROJECT 30455 (5153).

LIST OF EXHIBITS:

- Exhibit "A" – Bid Summary
- Exhibit "B" – Expenditure Authorization

Bid Opening: June 5, 2014

**EXHIBIT "A"**  
 Irvine Ranch Water District Bid Summary For  
 San Joaquin Reservoir Actuator Repair/Replacement Project  
 PR 30455 (5153)

Entered By: K.N. Ryan

		<b>1</b>				<b>2</b>	
		Inland Potable/Marine Services, INC				WV Construction Company	
		Centennial, CO				Jamul, CA	
Item No.	Description	Qty	Unit	Unit Price	Total Amount	Unit Price	Total Amount
1	Mobilization and Demobilization	1	LS	\$5,115.00	\$5,115.00	\$7,500.00	\$7,500.00
2	EL360 Valve Actuator Investigation/Repair Special Provisions Section 00200 Task 1.1 to Task 1.4. Includes time, material, and equipment	1	LS	\$4,450.00	\$4,450.00	\$8,400.00	\$8,400.00
3	Task 1.5 EL 360 Valve/Actuator Removal	1	LS	\$9,085.00	\$9,085.00	\$17,800.00	\$17,800.00
4	Task 2: EL380 Actuator Removal/Installation	1	LS	\$17,800.00	\$17,800.00	\$16,800.00	\$16,800.00
SUBTOTAL, Base Bid Items					\$36,450.00		\$50,500.00
<u>Alternative Bid Items</u>							
A-1	Mobilization and Demobilization	1	LS	\$5,115.00	\$5,115.00	\$7,500.00	\$7,500.00
A-2	EL360 Valve/Actuator Installation	1	LS	\$26,700.00	\$26,700.00	\$33,600.00	\$33,600.00
SUBTOTAL, Alternative Bid Items					\$31,815.00		\$41,100.00
SUBTOTAL, Base Bid and Alternative Bid Items					\$68,265.00		\$91,600.00
Adjustment (+ or -)					\$ -		\$ -
<b>TOTAL AMOUNT OF BID</b>					<b>\$68,265.00</b>		<b>\$91,600.00</b>
				<b>Item Delivery Dates:</b>		<b>Item Delivery Dates:</b>	
				None Stated		None Stated	
				<b>Manufacturers:</b>		<b>Manufacturers:</b>	
				None Stated		None Stated	
				<b>Subcontractors:</b>		<b>Subcontractors:</b>	
				None Stated		Great Pacific Equipment	

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

EXHIBIT "B"

Project Name: SJR ACTUATOR REPAIR/REPLACEMENT  
 EPMS Project No: 30455 EA No: 1  
 Oracle Project No: 5153  
 Project Manager: CORTEZ, MALCOLM  
 Project Engineer: SMYTH, JEFFREY  
 Request Date: June 9, 2014

ID Split: Miscellaneous

Improvement District (ID) Allocations		
ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

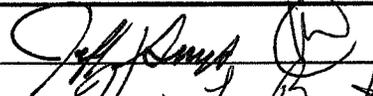
Previously Approved EA Requests:	\$0
This Request:	\$155,700
<b>Total EA Requests:</b>	<b>\$155,700</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$254,700
<b>Updated Budget:</b>	<b>\$254,700</b>
<b>Budget Remaining After This EA</b>	<b>\$99,000</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING IRWD	0	0	0	10,000	0	10,000	2/14	6/15
ENGINEERING - CA&I IRWD	10,000	0	10,000	10,000	0	10,000	7/15	12/15
CONSTRUCTION FIELD SUPPORT	10,000	0	10,000	10,000	0	10,000	7/15	12/15
CONSTRUCTION	120,000	0	120,000	200,000	0	200,000	7/15	12/15
LEGAL	1,500	0	1,500	1,500	0	1,500	7/15	12/15
Contingency - 10.00% Subtotal	\$14,200	\$0	\$14,200	\$23,200	\$0	\$23,200		
<b>Subtotal (Direct Costs)</b>	<b>\$155,700</b>	<b>\$0</b>	<b>\$155,700</b>	<b>\$254,700</b>	<b>\$0</b>	<b>\$254,700</b>		
Estimated G/A - 185.00% of direct labor*	\$37,000	\$0	\$37,000	\$55,500	\$0	\$55,500		
<b>Total</b>	<b>\$192,700</b>	<b>\$0</b>	<b>\$192,700</b>	<b>\$310,200</b>	<b>\$0</b>	<b>\$310,200</b>		
Direct Labor	\$20,000	\$0	\$20,000	\$30,000	\$0	\$30,000		

\*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:

 6/10/14

Department Director:

 6/11/14

Finance:

 6/13/14

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 \$317,000. 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.

AS  
June 23, 2014  
Prepared by: S. Malloy  
Submitted by: K. Burton *KLB*  
Approved by: Paul Cook *Paul Cook*

## CONSENT CALENDAR

### MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION VARIANCE

#### SUMMARY:

The Michelson Water Recycling Plant (MWRP) Phase 2 Expansion is being completed by J. R. Filanc Construction Company. Additional effort is needed by the SCADA consultant to complete remaining tasks associated with the start-up of the Phase 2 Expansion. Staff recommends that the Board authorize the General Manager to execute Variance No. 9 in the amount of \$52,390 with Delta Systems Engineering for supplemental services associated with start-up and commissioning activities.

#### BACKGROUND:

Construction of the MWRP Phase 2 Expansion was awarded to Filanc 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.

#### Variance No. 9:

Delta has been providing SCADA programming and start-up services since the start of the project. Staff requested Delta to perform additional programming tasks to allow better operational control of the new treatment processes. These tasks were outside of Delta's existing scope of work. To address the extended construction schedule and to support the start-up and commissioning activities, staff requested that Delta submit Variance No. 8 to provide a part-time senior SCADA programmer until June 1, 2014. Variance No. 8 has been expended.

Variance No. 9 includes:

- Support hours to May 31, 2014 – Variance No. 8 assumed that Delta would provide a senior integrator at 60% of the time; however, the senior integrator was required to be at MWRP 80% of the time;
- Support hours from June 1 to June 27, 2014 – IRWD's start-up team requires that Delta's senior integrator be available 80% of his time during this period to perform SCADA programming;
- SCADA support for IRWD's automation staff in the installation of the terminal servers;
- Support and troubleshoot SCADA system performance and optimization issues; and
- Groundwater Well SCADA enhancements – operations staff requested enhancements to the Human Machine Interface (HMI) Screens for Groundwater Wells 2 through 10, to include the addition of Well 6 to the HMI Screen, and the addition of a Navigation Screen for all well sites.

Variance No. 9, in the amount of \$52,390 is attached as Exhibit "A" and describes the services in more detail.

FISCAL IMPACTS:

The MWRP Phase 2 Expansion, Projects 20214 (1599) and Project 30214 (1706), are included in the FY 2013-14 Capital Budget. The existing budgets and Expenditure Authorizations are sufficient to fund the variance.

ENVIRONMENTAL COMPLIANCE:

The Michelson Water Recycling Plant Phase 2 Expansion and Flood Protection Improvements, Projects 20214 (1599) and 30214 (1150), 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 by the Engineering and Operations Committee on June 17, 2014.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 9 IN THE AMOUNT OF \$52,390 WITH DELTA SYSTEMS ENGINEERING FOR SUPPLEMENTAL SERVICES ASSOCIATED WITH THE REMAINING START-UP AND COMMISSIONING ACTIVITIES FOR THE MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION, PROJECTS 20214 (1599) AND 30214 (1706).

LIST OF EXHIBITS:

Exhibit "A" – Variance No. 9 with Delta Systems Engineering

# EXHIBIT "A"

## IRVINE RANCH WATER DISTRICT PROFESSIONAL SERVICES VARIANCE

Project Title: IRWD-Michelson Water Plant Phase 2 Control System Integration

Project No.: 20214

Date: 6/2/14

Purchase Order No.:

Variance No.: 9

Originator:      IRWD      ENGINEER/CONSULTANT      Other (Explain) \_\_\_\_\_

Description of Variance (*attach any back-up material*):

Provide additional programming and HMI software development for various tasks, and provide professional staff to support on-going testing and commissioning for the MWRP Phase II Plant Expansion Project.

**Engineering & Management Cost Impact:**

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
Project Manager	20	180.00	3,600			3,600
Senior Integrator 5	80	163.00	13,040			13,040
Senior Integrator 3	200	134.00	26,800			26,800
Staff Integrator 9	56	125.00	7,000			7,000
Admin	30	65.00	1,950			1,950
<b>Total \$ =</b>						<b>52,390</b>

**Schedule Impact:**

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
1	Variance 8 Support hours over budget up to May 31, 2014	June 1, 2014	4 weeks	June 27, 2014
2	Part Time Staff Support Onsite at 80% June 1 - June 27, 2014	None	4 weeks	June 27, 2014
3	SCADA support Automation Staff in the installation of the terminal servers	None	3 weeks	June 27, 2014
4	Support SCADA system performance and optimization Issues	None	3 weeks	June 27, 2014
5	Groundwater Well SCADA Enhancements	None	3 weeks	June 27, 2014
6	Project Management	June 1, 2014	4 weeks	June 27, 2014

Required Approval Determination:

Total Original Contract	\$1,131,041.13	<input type="checkbox"/> General Manager: Single Variance less than or equal to \$30,000.
Previous Variances	\$634,373.00	
This Variance	\$52,390.00	<input type="checkbox"/> Committee: Single Variance greater than \$30,000, and less than or equal to \$60,000.
Total Sum of Variances	\$686,763.00	
New Contract Amount	\$1,817,804.13	<input type="checkbox"/> Board: Single Variance greater than \$60,000.
Percentage of Total Variances to Original Contract	60.72%	<input checked="" type="checkbox"/> Board: Cumulative total of Variances greater than \$60,000, or 30% of the original contract, whichever is higher.

ENGINEER/CONSULTANT: Delta Systems Engineering

IRVINE RANCH WATER DISTRICT

Company Name

Brian Downing  
Project Engineer/Manager

6/4/14  
Date

SLM Kevin J. Burt  
Department Director

6/5/14  
Date

Brian Downing  
Engineer's/Consultant's Management

6/4/14  
Date

\_\_\_\_\_  
General Manager/Comm./Board

\_\_\_\_\_  
Date

# IRVINE RANCH WATER DISTRICT

## PROFESSIONAL SERVICES VARIANCE REGISTER

Project Title: IRWD-Michelson Water Reclamation Plant _____				
Phase 2 Control System Integration _____				
Project No.: 20214 _____ Project Manager: Steve Malloy _____				
Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
1	Project CR#091; Programming-out of scope & extra effort Tasks	12/29/10	8/26/11	98,389
2	Project Coord & QA/QC Control-Extended Contract terms	10/18/12	11/29/12	50,000
	QA/QC HMI Conversion of 3 <sup>rd</sup> party PLC's	10/18/12		20,000
3	PLC-200 Updates	2/5/13	3/22/13	29,084
4	Wonderware Upgrade to Ver. 2012	4/16/13	4/17/13	26,928
5	PLCs 9, 300 & 700 changes	4/16/13	4/22/13	29,898
6	Emergency generators, Turblex Aeration Blowers, ChemPump DFB programming	5/22/13	7/26/13	24,089
7	Professional staff to support on-going integration	6/27/13	10/7/13	247,073
8	Additional PLC and HMI software development for various tasks, and on-going testing.	1/30/14	3/25/14	108,912
9	Additional PLC and HMI software development for various tasks, and on-going testing.	6/2/14		52,390



June 2, 2014

Mr. Steve Malloy, PE  
Irvine Ranch Water District  
P.O. Box 57000  
Irvine, CA 92619-7000

Re: IRWD Michelson WRP Phase II Variance 9

IRWD Project No.: 20214  
DeltaSE Project No.: 1551.01  
Proposal No.: 2014.05.2360

Dear Steve,

We are submitting the follow proposal for additional programming services requested by IRWD for the Michelson WRP Phase II project. The changes are described below.

**Item 1 – Variance 8 Support hours over budget up to May 31, 2014:**

Per the District's request, we have provided additional programming time in excess of the budget approved in Variance 8 for a full time Senior Integrator on site.

**Item 2 – Part Time Staff Support Onsite at 80% June 1 - June 27, 2014:**

Per the District's request, we will provide a Senior Integrator for additional onsite support for approximately 4 days a week through June 27, 2014.

**Item 3 – SCADA support Automation Staff in the installation of the terminal servers:**

We provided additional programming staff required to provide assistance to District and operators with setting up terminal servers for operator-use plant-wide.

**Item 4 – Support SCADA system performance and optimization issues:**

Provided a Senior Integrator onsite to troubleshoot and assist with solving SCADA performance and system optimization issues.

**Item 5 – Groundwater Well SCADA Enhancements:**

The District has requested enhancements to Human Machine Interface (HMI) Screens for Groundwater Wells 2 through 10 to include addition of Well 6 to the HMI Screen, and addition of a Navigation Screen for all well sites.

For each of the aforementioned tasks, we will provide project management support, PLC and HMI programming, testing to be witnessed by the District, update the documentation, and training. Additional labor hours required beyond those included in this estimate must be authorized by the District before we proceed.

Based on the work described in this variance, the estimated cost for completion of these tasks is listed in the fee matrix below:

#	Tasks	Senior Project Manager	Senior Integrator 5	Senior Integrator 3	Integrator 9	Admin	Total Hrs.
1	Variance 8 Support hours over budget up to May 31, 2014			80.0			80.0
2	Part Time Staff Support Onsite at 80% June 1 - June 27, 2014			120.0		10.0	130.0
3	SCADA support Automation Staff in the installation of the terminal servers				20.0	2.0	22.0
4	Support SCADA system performance and optimization Issues		80.0			8.0	8.0
5	Groundwater Well SCADA Enhancements				36.0	8.0	44.0
6	Project Management	20.0				2.0	2.0
	<b>Totals Hours For This Time Extension</b>	<b>20.0</b>	<b>80.0</b>	<b>200.0</b>	<b>56.0</b>	<b>30.0</b>	<b>286.0</b>
	<b>Std Hourly Rates:</b>	<b>\$180.00</b>	<b>\$163.00</b>	<b>\$134.00</b>	<b>\$125.00</b>	<b>\$65.00</b>	
	<b>Total Fees:</b>	<b>\$3,600</b>	<b>\$13,040</b>	<b>\$26,800</b>	<b>\$7,000</b>	<b>\$1,950</b>	<b>\$52,390</b>

Please contact me directly if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Downing". The signature is fluid and cursive, with a long horizontal stroke at the end.

Brian Downing, PE  
President, CEO

2 attachments

pjs  
 June 23, 2014  
 Prepared by: E. Akiyoshi/M. Hoolihan  
 Submitted by: K. Burton KLB  
 Approved by: Paul Cook

CONSENT CALENDAR

FISCAL YEAR 2014-15 EXPENDITURE AUTHORIZATIONS

SUMMARY:

Staff recommends that the Board approve Expenditure Authorizations (EAs) for the annual Engineering Planning Study Reserves, Orange County Sanitation District (OCSD) Solids Handling, Raise Manholes to Grade, and Great Park Coordination and Sub-Area Master Plan (SAMP) Update in the amount of \$2,124,600.

BACKGROUND:

The annual projects listed below are included in the FY 2014-15 Capital Budget. Staff requests approval of the attached EAs (as provided in Exhibit "A") for these projects:

EPMS Project No.	Oracle Project No.	FY 2014-15 Project Title	Total Budget	EA Request
11056	1790	Engineering Planning Study Reserve (Water)	\$198,000	\$198,000
21056	1366	Engineering Planning Study Reserve (Sewer)	\$171,600	\$171,600
31056	1593	Engineering Planning Study Reserve (Recycled)	\$176,000	\$176,000
20812	1410	OCSD Solids Handling FY 2014-15	\$1,391,000	\$1,391,000
20947	5299	Raise Manholes to Grade FY 2014-15	\$110,000	\$110,000
11469	1520	Great Park Coordination and SAMP Update	\$99,000	\$39,000
21469	1167	Great Park Coordination and SAMP Update	\$99,000	\$39,000
<b>Totals</b>			<b>\$2,244,600</b>	<b>\$2,124,600</b>

Summarized below are detailed project descriptions:

- Engineering Planning Study Reserves are for general planning studies. For the FY 2014-15 the annual "Water Supply Assessment" and "MWDOC/OCWD Capital Facility Coordination" projects are also combined with the Engineering Planning Reserve projects;
- OCSD Capital Outlay Revolving Fund (CORF) and Equity Adjustment: These EAs are typically presented to the Board with this item. However, IRWD and OCSD are currently completing the 5-Year flow monitoring study for the Irvine Business Complex sewer collection system. This study could affect the projected CORF and Equity Adjustment. Staff anticipates bringing a separate item to the Board of Directors in the FY 2014-15;

- OCSD Solids Handling accounts for IRWD leasing solids handling capacity at OCSD;
- Raise Manholes to Grade FY 2014-15 allocates funds to raise manholes to grade during various City street rehabilitation projects that are constructed throughout the year; and
- Great Park Coordination and SAMP Update: These projects provide for the ongoing coordination of capital facilities and development in the Great Park and Great Park Neighborhoods development. Staff anticipates initiating a major SAMP Update for this area in early FY 2014-15.

There are other annual projects included in the FY 2014-15 Capital Budget where the EAs are within the General Manager's authority. These include projects that allocate budget for GIS support applications, and hydraulic modeling.

FISCAL IMPACTS:

Projects 11056 (1790), 21056 (1366), 31056 (1593), 20812 (1410), 20947 (5299), 11469 (1520), and 21469 (1167) are included in the FY 2014-15 Capital Budget for the total budgeted amount of \$2,244,600.

ENVIRONMENTAL COMPLIANCE:

Projects 11056, 21056, 31056, 11469, and 21469 are exempt as each is considered a planning study, and a ministerial decision under Sections 2150 and 21080 of the Public Resources Code, respectively. IRWD is not the lead agency for project 20812 (OCSD Solids Handling).

The Raise Manhole to Grade Project 20947 is exempt from CEQA as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15302 C, which provides exemption for projects that involve replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on June 17, 2014.

RECOMMENDATION:

THAT THE BOARD APPROVE EXPENDITURE AUTHORIZATIONS FOR FY 2014-15 IN THE AMOUNT OF \$198,000 FOR ENGINEERING PLANNING STUDY RESERVE (WATER), PROJECT 11056 (1790); \$171,600 FOR ENGINEERING PLANNING STUDY RESERVE (SEWER), PROJECT 21056 (1366); \$176,000 FOR ENGINEERING PLANNING STUDY RESERVE (RECYCLED), PROJECT 31056 (1593); \$1,391,000 FOR OCSD SOLIDS HANDLING, PROJECT 20812 (1410); \$110,000 FOR RAISE MANHOLES TO GRADE 14/15, PROJECT 20947 (5299); \$39,000 FOR GREAT PARK COORDINATION AND SUB-AREA MASTER PLAN UPDATE, PROJECT 11469 (1520); AND \$39,000 FOR GREAT PARK COORDINATION AND SAMP UPDATE, PROJECT 21469 (1167).

LIST OF EXHIBITS:

Exhibit "A" – Expenditure Authorizations



# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: ENG PLANNING STUDY RESERVE 14/15 DW  
 EPMS Project No: 11056 EA No: 1  
 Oracle Project No: 1790  
 Project Manager: HOOLIHAN, MICHAEL  
 Project Engineer: AKIYOSHI, ERIC  
 Request Date: June 10, 2014

ID Split: Regional DW w/LAWD w/ Enhance (11/08)

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
112	1.0	BONDS YET TO BE SOLD**
113	1.2	BONDS YET TO BE SOLD**
115	1.7	CAPITAL FUND
121	3.5	BONDS YET TO BE SOLD**
130	2.7	BONDS YET TO BE SOLD**
135	4.4	PREVIOUSLY SOLD BONDS
140	.9	BONDS YET TO BE SOLD**
150	7.1	BONDS YET TO BE SOLD**
153	.8	BONDS YET TO BE SOLD**
154	.3	BONDS YET TO BE SOLD**
161	1.8	BONDS YET TO BE SOLD**
182	.7	BONDS YET TO BE SOLD**
184	.6	BONDS YET TO BE SOLD**
186	.2	BONDS YET TO BE SOLD**
188	.2	BONDS YET TO BE SOLD**
199	72.9	CAPITAL FUND ENHANCEMENT**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$198,000
<b>Total EA Requests:</b>	<b>\$198,000</b>
Previously Approved Budget:	\$198,000
Budget Adjustment Requested this EA:	\$0
<b>Updated Budget:</b>	<b>\$198,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING IRWD	80,000	0	80,000	0	80,000	80,000	7/14	6/15
ENGINEERING - PLANNING OUTSIDE	100,000	0	100,000	0	100,000	100,000	7/14	6/15
Contingency - 10.00% Subtotal	\$18,000	\$0	\$18,000	\$0	\$18,000	\$18,000		
<b>Subtotal (Direct Costs)</b>	<b>\$198,000</b>	<b>\$0</b>	<b>\$198,000</b>	<b>\$0</b>	<b>\$198,000</b>	<b>\$198,000</b>		
Estimated G/A - 185.00% of direct labor*	\$148,000	\$0	\$148,000	\$0	\$148,000	\$148,000		
<b>Total</b>	<b>\$346,000</b>	<b>\$0</b>	<b>\$346,000</b>	<b>\$0</b>	<b>\$346,000</b>	<b>\$346,000</b>		
Direct Labor	\$80,000	\$0	\$80,000	\$0	\$80,000	\$80,000		

\*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:

*Eric Akiyoshi*

6-10-14

Department Director:

*Kevin L. Burton*

6/10/14

Finance:

*[Signature]*

6/12/14

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 \$353,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. This expenditure authorization is the official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

**Project Name:** ENG PLANNING STUDY RESERVE 14/15 SEWER

**EPMS Project No:** 21056 **EA No:** 1

**Oracle Project No:** 1366

**Project Manager:** HOOLIHAN, MICHAEL

**Project Engineer:** AKIYOSHI, ERIC

**Request Date:** June 10, 2014

**ID Split:** Regional Sewer w/LAWD w/ Enhance (11/08)

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
211	2.2	CAPITAL FUND
212	.9	BONDS YET TO BE SOLD**
213	1.3	BONDS YET TO BE SOLD**
215	2.1	CAPITAL FUND
221	4.4	BONDS YET TO BE SOLD**
230	2.9	BONDS YET TO BE SOLD**
235	3.8	PREVIOUSLY SOLD BONDS
240	.8	BONDS YET TO BE SOLD**
250	6.8	BONDS YET TO BE SOLD**
253	.3	BONDS YET TO BE SOLD**
261	1.8	BONDS YET TO BE SOLD**
282	.5	BONDS YET TO BE SOLD**
284	.5	BONDS YET TO BE SOLD**
286	.1	BONDS YET TO BE SOLD**
288	.1	BONDS YET TO BE SOLD**
299	71.5	CAPITAL FUND ENHANCEMENT**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
<b>This Request:</b>	\$171,600
<b>Total EA Requests:</b>	\$171,600
Previously Approved Budget:	\$171,600
<b>Budget Adjustment Requested this EA:</b>	\$0
<b>Updated Budget:</b>	\$171,600
<b>Budget Remaining After This EA</b>	\$0

**Comments:**

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING IRWD	76,000	0	76,000	0	76,000	76,000	7/14	6/15
ENGINEERING - PLANNING OUTSIDE	80,000	0	80,000	0	80,000	80,000	7/14	6/15
Contingency - 10.00% Subtotal	\$15,600	\$0	\$15,600	\$0	\$15,600	\$15,600		
<b>Subtotal (Direct Costs)</b>	\$171,600	\$0	\$171,600	\$0	\$171,600	\$171,600		
Estimated G/A - 185.00% of direct labor*	\$140,600	\$0	\$140,600	\$0	\$140,600	\$140,600		
<b>Total</b>	\$312,200	\$0	\$312,200	\$0	\$312,200	\$312,200		
Direct Labor	\$76,000	\$0	\$76,000	\$0	\$76,000	\$76,000		

\*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:**

*Eric Akiyoshi* 6-10-14

**Department Director:**

*Kevin L Burton* 6/10/14

**Finance:**

*[Signature]* 6/12/14

**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 \$312,200. This is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. It is the official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: ENG PLANNING STUDY RESERVE 14/15 RW  
 EPMS Project No: 31056 EA No: 1  
 Oracle Project No: 1593  
 Project Manager: HOOLIHAN, MICHAEL  
 Project Engineer: AKIYOSHI, ERIC  
 Request Date: June 10, 2014

ID Split: Regional RW w/LAWD w/ Enhance (11/08)

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
211	.7	CAPITAL FUND
212	4.3	BONDS YET TO BE SOLD**
213	1.6	BONDS YET TO BE SOLD**
215	.2	CAPITAL FUND
221	4.3	BONDS YET TO BE SOLD**
230	3.2	BONDS YET TO BE SOLD**
235	2.6	PREVIOUSLY SOLD BONDS
240	2.5	BONDS YET TO BE SOLD**
250	10.3	BONDS YET TO BE SOLD**
261	3.0	BONDS YET TO BE SOLD**
299	67.3	CAPITAL FUND ENHANCEMENT**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$176,000
<b>Total EA Requests:</b>	<b>\$176,000</b>
Previously Approved Budget:	\$176,000
Budget Adjustment Requested this EA:	\$0
<b>Updated Budget:</b>	<b>\$176,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING IRWD	60,000	0	60,000	0	60,000	60,000	7/14	6/15
ENGINEERING - PLANNING OUTSIDE	100,000	0	100,000	0	100,000	100,000	7/14	6/15
Contingency - 10.00% Subtotal	\$16,000	\$0	\$16,000	\$0	\$16,000	\$16,000		
<b>Subtotal (Direct Costs)</b>	<b>\$176,000</b>	<b>\$0</b>	<b>\$176,000</b>	<b>\$0</b>	<b>\$176,000</b>	<b>\$176,000</b>		
Estimated G/A - 185.00% of direct labor*	\$111,000	\$0	\$111,000	\$0	\$111,000	\$111,000		
<b>Total</b>	<b>\$287,000</b>	<b>\$0</b>	<b>\$287,000</b>	<b>\$0</b>	<b>\$287,000</b>	<b>\$287,000</b>		
Direct Labor	\$60,000	\$0	\$60,000	\$0	\$60,000	\$60,000		

\*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:

*Eric Akiyoshi* 6-10-14

Department Director:

*Kevin J. Burton* 6/10/14

Finance:

*[Signature]* 6/12/14

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 \$203,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. The above-captioned project is made under Treasury Regulation Section 1.09 of official intent to reimburse costs of the above-captioned

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: OCSD SOLIDS HANDLING 14/15  
 EPMS Project No: 20812 EA No: 1  
 Oracle Project No: 1410  
 Project Manager: HOOLIHAN, MICHAEL  
 Project Engineer: AKIYOSHI, ERIC  
 Request Date: June 4, 2014

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	49.9	REPLACEMENT FUND**
211	2.2	CAPITAL FUND
212	1.1	BONDS YET TO BE SOLD**
213	3.3	BONDS YET TO BE SOLD**
221	10.5	BONDS YET TO BE SOLD**
230	7.1	BONDS YET TO BE SOLD**
250	18.7	BONDS YET TO BE SOLD**
261	4.4	BONDS YET TO BE SOLD**
282	1.1	BONDS YET TO BE SOLD**
284	1.7	BONDS YET TO BE SOLD**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$1,391,000
<b>Total EA Requests:</b>	<b>\$1,391,000</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$1,391,000
<b>Updated Budget:</b>	<b>\$1,391,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments: Costs based on April 2009 Carollo study, "OCSD Billing of IRWD Biosolids." Splits are same as CORF splits

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	1,391,000	0	1,391,000	1,391,000	0	1,391,000	7/14	6/15
Contingency - % Subtotal	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Subtotal (Direct Costs)</b>	<b>\$1,391,000</b>	<b>\$0</b>	<b>\$1,391,000</b>	<b>\$1,391,000</b>	<b>\$0</b>	<b>\$1,391,000</b>		
Estimated G/A - 185.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$1,391,000</b>	<b>\$0</b>	<b>\$1,391,000</b>	<b>\$1,391,000</b>	<b>\$0</b>	<b>\$1,391,000</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

\*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:

Eric Akijoshi 6-5-14

Department Director:

Kevin L. Burt 6/10/14

Finance:

[Signature] 6/12/14

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 \$\_\_\_\_\_ of which \_\_\_\_\_ is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. This project is made under Treasury Regulation Section 1.15 \_\_\_\_\_ of official intent to reimburse costs of the above-captioned

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

**Project Name:** RAISE MANHOLES TO GRADE 14/15 UNDER RA  
**EPMS Project No:** 20947    **EA No:** 1  
**Oracle Project No:** 5299  
**Project Manager:** CORTEZ, MALCOLM  
**Project Engineer:** LEW, KELLY  
**Request Date:** June 4, 2014

**ID Split:** Miscellaneous

<b>Improvement District (ID) Allocations</b>		
<b>ID No.</b>	<b>Allocation %</b>	<b>Source of Funds</b>
210	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

<b>Previously Approved EA Requests:</b>	\$0
<b>This Request:</b>	\$110,000
<b>Total EA Requests:</b>	\$110,000
<b>Previously Approved Budget:</b>	\$0
<b>Budget Adjustment Requested this EA:</b>	\$110,000
<b>Updated Budget:</b>	\$110,000
<b>Budget Remaining After This EA</b>	\$0

**Comments:**

<b>Phase</b>	<b>This EA Request</b>	<b>Previous EA Requests</b>	<b>EA Requests to Date</b>	<b>This Budget Request</b>	<b>Previous Budget</b>	<b>Updated Budget</b>	<b>Start</b>	<b>Finish</b>
CONSTRUCTION	100,000	0	100,000	100,000	0	100,000	7/14	6/15
Contingency - 10.00% Subtotal	\$10,000	\$0	\$10,000	\$10,000	\$0	\$10,000		
<b>Subtotal (Direct Costs)</b>	<b>\$110,000</b>	<b>\$0</b>	<b>\$110,000</b>	<b>\$110,000</b>	<b>\$0</b>	<b>\$110,000</b>		
Estimated G/A - 185.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$110,000</b>	<b>\$0</b>	<b>\$110,000</b>	<b>\$110,000</b>	<b>\$0</b>	<b>\$110,000</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

\*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:** *Evin Albright* 6-5-14  
**Department Director:** *Kevin L. Bunker* 6/10/14  
**Finance:** *[Signature]* 6/12/14  
**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 \$11? additional documents, if any, which are hereby incorporate project is made under Treasury Regulation Section 1.150-2

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: GREAT PARK COORDINATION AND SAMP UPDATE

EPMS Project No: 11469 EA No: 2

Oracle Project No: 1520

Project Manager: HOOLIHAN, MICHAEL

Project Engineer: AKIYOSHI, ERIC

Request Date: June 5, 2014

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
112	100.0	BONDS YET TO BE SOLD**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$60,000
This Request:	\$39,000
<b>Total EA Requests:</b>	<b>\$99,000</b>
Previously Approved Budget:	\$99,000
Budget Adjustment Requested this EA:	\$0
<b>Updated Budget:</b>	<b>\$99,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING IRWD	11,500	18,500	30,000	0	30,000	30,000	7/13	7/15
ENGINEERING - PLANNING OUTSIDE	24,000	36,000	60,000	0	60,000	60,000	7/13	7/15
Contingency - 10.00% Subtotal	\$3,500	\$5,500	\$9,000	\$0	\$9,000	\$9,000		
<b>Subtotal (Direct Costs)</b>	<b>\$39,000</b>	<b>\$60,000</b>	<b>\$99,000</b>	<b>\$0</b>	<b>\$99,000</b>	<b>\$99,000</b>		
Estimated G/A - 185.00% of direct labor*	\$24,000	\$31,500	\$55,500	\$4,500	\$51,000	\$55,500		
<b>Total</b>	<b>\$63,000</b>	<b>\$91,500</b>	<b>\$154,500</b>	<b>\$4,500</b>	<b>\$150,000</b>	<b>\$154,500</b>		
Direct Labor	\$11,500	\$18,500	\$30,000	\$0	\$30,000	\$30,000		

\*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:

*Eric Akiyoshi* 6-5-14

Department Director:

*Kevin L. Burton* 6/16/14

Finance:

*[Signature]* 6/2/14

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 \$158,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. The Board's approval of this expenditure authorization is an official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: GREAT PARK COORDINATION AND SAMP UPDATE  
 EPMS Project No: 21469 EA No: 2  
 Oracle Project No: 1167  
 Project Manager: HOOLIHAN, MICHAEL  
 Project Engineer: AKIYOSHI, ERIC  
 Request Date: June 5, 2014

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
212	100.0	BONDS YET TO BE SOLD**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$60,000
This Request:	\$39,000
<b>Total EA Requests:</b>	<b>\$99,000</b>
Previously Approved Budget:	\$99,000
Budget Adjustment Requested this EA:	\$0
<b>Updated Budget:</b>	<b>\$99,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING IRWD	11,500	18,500	30,000	0	30,000	30,000	7/13	7/15
ENGINEERING - PLANNING OUTSIDE	24,000	36,000	60,000	0	60,000	60,000	7/13	7/15
Contingency - 10.00% Subtotal	\$3,500	\$5,500	\$9,000	\$0	\$9,000	\$9,000		
<b>Subtotal (Direct Costs)</b>	<b>\$39,000</b>	<b>\$60,000</b>	<b>\$99,000</b>	<b>\$0</b>	<b>\$99,000</b>	<b>\$99,000</b>		
Estimated G/A - 185.00% of direct labor*	\$24,000	\$31,500	\$55,500	\$4,500	\$51,000	\$55,500		
<b>Total</b>	<b>\$63,000</b>	<b>\$91,500</b>	<b>\$154,500</b>	<b>\$4,500</b>	<b>\$150,000</b>	<b>\$154,500</b>		
Direct Labor	\$11,500	\$18,500	\$30,000	\$0	\$30,000	\$30,000		

\*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: *Eric Akiyoshi* 6-5-14  
 Department Director: *Kevin J. Burton* 6/10/14  
 Finance: *[Signature]* 6/12/14  
 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 \$150,000. This project is made under Treasury Regulation Section 1.150-1. t is further described in the attached staff report and f official intent to reimburse costs of the above-captioned



June 23, 2014

Prepared by: T. Roberts, K. Drake, R. Lee

Submitted by: P. Sheilds

Approved by: Paul Cook



CONSENT CALENDAR

FISCAL YEAR 2014-15 OPERATIONS EXPENDITURE AUTHORIZATIONS

SUMMARY:

Staff recommends that the Board approve Expenditure Authorizations (EAs) for the annual Operations projects in the total amount of \$5,160,200 as approved in the Fiscal Year (FY) 2014-15 Capital Budget:

BACKGROUND:

The annual projects listed below are included in the FY 2014-15 Capital Budget. Staff requests approval of the attached EAs (as provided in Exhibit "A") for these projects:

EPMS Project No.	Oracle Project No.	FY 2014-15 Project Title	Total Budget	EA Request
10392	1409	DATS and Well 77 lease payments	\$445,000	\$445,000
11652	3770	Residential 5/8" by 3/4" and 3/4" Meter Replacements	\$336,600	\$336,600
11646	5149	Domestic Service Line, Valve and Main Replacements	\$916,900	\$916,900
11648	3768	Domestic General System Modifications	\$190,300	\$190,300
11649	3769	Domestic CSR Meter Replacements	\$203,500	\$203,500
11653	5492	Domestic 1" and 2" Meter Replacements	\$130,200	\$130,200
11703	4422	Domestic Mechanical and Electrical System Replacement	\$660,000	\$660,000
20914	4438	MWRP System Replacement	\$332,200	\$332,200
20959	5482	Sewer General System Modifications	\$330,000	\$330,000
21010	4420	LAWRP System Replacement	\$132,000	\$132,000
21646	5490	Sewer Lateral and Main Replacements	\$218,900	\$218,900
21703	4432	Sewer Mechanical and Electrical System Replacement	\$400,000	\$400,000
31646	3781	Recycled Service Line, Valve and Main Replacements	\$342,100	\$342,100
31648	5485	Recycled General System Modifications	\$82,500	\$82,500
31703	4429	Recycled Mechanical and Electrical System Replacement	\$440,000	\$440,000
<b>Totals</b>			<b>\$5,160,200</b>	<b>\$5,160,200</b>

DATS and Well 77 Lease (10392):

The project provides funding for the DATS lease payment to the City of Santa Ana and the Well 77 lease payment to the Irvine Unified School District. The project has no funding authorization restrictions because the purpose is clearly defined, and the specified lease agreement payments minimize staff discretion.

Residential 5/8" by 3/4" and 3/4" Meter Replacements (11652):

The project consists of replacing existing residential meters on a 17-year cycle. Replacement of the older meters that begin to under-register water usage results in increased revenue and reduces the number of meters replaced through the Customer Service Request System. Approximately 2,700 meters are planned for replacement.

Service Line, Valve and Main Replacements (11646):

The project consists of replacing damaged or broken water service lines, valves and mains in the domestic water system. An average of 200 service lines and 100 valves are replaced annually.

General System Modifications (11648):

This project consists of performing unforeseen domestic water distribution system modifications and upgrades.

Meter Replacements Requested through Customer Service (11649):

The project consists of replacing damaged or broken meters that are flagged through the Customer Service Request System. The meters typically require replacement due to mechanical failure or difficulties reading as a result of a scratched or cloudy register glass.

1-inch and 2-inch Meter Replacements (11653):

The project consists of replacing 1-inch meters on an 17-year cycle and 1½-inch and 2-inch meters on a 17-year cycle. Replacement of the older meters that begin to under register water usage results in increased revenue and reduces the number of meters replaced through the Customer Service Request System.

Mechanical and Electrical System Replacement (11703):

The Mechanical and Electrical Services Departments will modify, replace and/or repair inefficient and ineffective equipment and process systems District wide. The domestic water system replacement project is dedicated to system maintenance and reliability.

Michelson Water Recycling Plant (MWRP) System Replacement (20914):

The Mechanical and Electrical Services Departments will modify, replace and/or repair inefficient and ineffective equipment and process systems at the MWRP. The MWRP System Replacement Project is dedicated to system maintenance and reliability.

Sewer General System Modifications (20959):

This project consists of performing unforeseen system modifications within the collections system, including repair and rehabilitation of severely deteriorated manhole structures.

LAWRP General System Modifications (21010):

This project consists of performing unforeseen system modifications within the Los Alisos Water Recycling Plant.

Sewer Lateral and Main Replacements (21646):

The project consists of replacing damaged or broken sewer laterals and mains in the collection system.

Mechanical and Electrical System Replacement (21703):

The Mechanical and Electrical Services Departments will modify, replace and/or repair inefficient and ineffective equipment and process systems District wide. The sewer system replacement project is dedicated to system maintenance and reliability.

Service Line, Valve and Main Replacements (31646):

The project consists of replacing damaged or broken water service lines, valves and mains in the recycled water system. An average of 200 service lines and 100 valves are replaced annually.

General System Modifications (31648):

This project consists of performing unforeseen recycled water distribution system modifications and upgrades.

Mechanical and Electrical System Replacement (31703):

The Mechanical and Electrical Services Departments will modify, replace and/or repair inefficient and ineffective equipment and process systems District wide. The recycled water system replacement project is dedicated to system maintenance and reliability.

FISCAL IMPACTS:

Projects 10392 (1409), 11652 (3770), 11646 (5149), 11648 (3768), 11649 (3769), 11653 (5492), 11703 (4422), 20914 (4438), 20959 (5482), 21010 (4420), 21646 (5490), 21703 (4432), 31646 (3781), 31648 (5485) and 31703 (4429) are included in the FY 2014-15 Capital Budget for the total budgeted amount of \$5,160,200.

ENVIRONMENTAL COMPLIANCE:

Project 10392 (1409) consists of ministerial activities that are statutorily exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15268. The remaining activities consist of minor repairs and rehabilitation that are categorically exempt from CEQA as authorized under Sections 15301 and 15302.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on June 17, 2014.

RECOMMENDATION:

THAT THE BOARD APPROVE EXPENDITURE AUTHORIZATIONS FOR PROJECTS 10392 (1409) \$445,000; 11652 (3770) \$336,600; 11646 (5149) \$916,900; 11648 (3768) \$190,300; 11649 (3769) \$203,500; 11653 (5492) \$130,200; 11703 (4422) \$660,000; 20914 (4438) \$332,200; 20959 (5482) \$330,000; 21010 (4420) \$132,000; 21646 (5490) \$218,900; 21703 (4432) \$400,000; 31646 (3781) \$342,100; 31648 (5485) \$82,500; AND 31703 (4429) \$440,000 INCLUDED IN THE FY 2014-15 CAPITAL BUDGET FOR THE TOTAL BUDGETED AMOUNT OF \$5,160,200.

LIST OF EXHIBITS:

Exhibit "A" – Expenditure Authorizations

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: DATS & WELL 77 LEASE PAYMENT 14/15  
 EPMS Project No: 10392 EA No: 1  
 Oracle Project No: 1409  
 Project Manager: SHEILDS, PATRICK  
 Project Engineer: ROBERTS, THOMAS  
 Request Date: June 5, 2014

ID Split: Regional Potable Water Splits (11/08)  
**Improvement District (ID) Allocations**

ID No.	Allocation %	Source of Funds
112	4.3	BONDS YET TO BE SOLD**
113	5.2	BONDS YET TO BE SOLD**
115	7.3	CAPITAL FUND
121	15.3	BONDS YET TO BE SOLD**
130	11.8	BONDS YET TO BE SOLD**
140	4.2	BONDS YET TO BE SOLD**
150	31.2	BONDS YET TO BE SOLD**
153	3.4	BONDS YET TO BE SOLD**
154	1.5	BONDS YET TO BE SOLD**
161	8.0	BONDS YET TO BE SOLD**
182	3.0	BONDS YET TO BE SOLD**
184	2.8	BONDS YET TO BE SOLD**
186	1.0	BONDS YET TO BE SOLD**
188	1.0	BONDS YET TO BE SOLD**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$445,000
<b>Total EA Requests:</b>	<b>\$445,000</b>
Previously Approved Budget:	\$445,000
Budget Adjustment Requested this EA:	\$0
<b>Updated Budget:</b>	<b>\$445,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
LAND	445,000	0	445,000	0	445,000	445,000	6/14	6/15
Contingency - % Subtotal	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Subtotal (Direct Costs)</b>	<b>\$445,000</b>	<b>\$0</b>	<b>\$445,000</b>	<b>\$0</b>	<b>\$445,000</b>	<b>\$445,000</b>		
Estimated G/A - 185.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$445,000</b>	<b>\$0</b>	<b>\$445,000</b>	<b>\$0</b>	<b>\$445,000</b>	<b>\$445,000</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

\*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: \_\_\_\_\_

Department Director: \_\_\_\_\_

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 \$454,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

**Project Name:** RESIDENTIAL METER REPLACEMENT-DW 14/15  
**EPMS Project No:** 11652    **EA No:** 1  
**Oracle Project No:** 3770  
**Project Manager:** ROBERTS, TOM  
**Project Engineer:** MOORE, RORY  
**Request Date:** June 12, 2014

**ID Split:** Miscellaneous

**Improvement District (ID) Allocations**

ID No.	Allocation %	Source of Funds
101	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

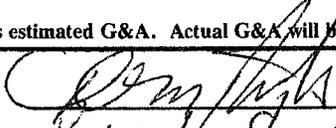
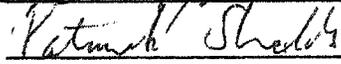
**Summary of Direct Cost Authorizations**

Previously Approved EA Requests:	\$0
This Request:	\$336,600
<b>Total EA Requests:</b>	<b>\$336,600</b>
Previously Approved Budget:	\$336,600
Budget Adjustment Requested this EA:	\$0
<b>Updated Budget:</b>	<b>\$336,600</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	6,000	0	6,000	0	6,000	6,000	7/14	6/15
CONSTRUCTION	300,000	0	300,000	0	300,000	300,000	7/14	6/15
Contingency - 10.00% Subtotal	\$30,600	\$0	\$30,600	\$0	\$30,600	\$30,600		
<b>Subtotal (Direct Costs)</b>	<b>\$336,600</b>	<b>\$0</b>	<b>\$336,600</b>	<b>\$0</b>	<b>\$336,600</b>	<b>\$336,600</b>		
Estimated G/A - 185.00% of direct labor*	\$11,100	\$0	\$11,100	\$0	\$11,100	\$11,100		
<b>Total</b>	<b>\$347,700</b>	<b>\$0</b>	<b>\$347,700</b>	<b>\$0</b>	<b>\$347,700</b>	<b>\$347,700</b>		
Direct Labor	\$6,000	\$0	\$6,000	\$0	\$6,000	\$6,000		

\*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:**  6-12-14  
**Department Director:**  6/12/14  
**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 \$355,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: SERVICE LINE, VALVE & MAIN REPLACEMENT-DW 14/15

EPMS Project No: 11646 EA No: 1

Oracle Project No: 5149

Project Manager: ROBERTS, TOM

Project Engineer: MOORE, RORY

Request Date: June 5, 2014

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No. Allocation % Source of Funds

101	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$916,900
<b>Total EA Requests:</b>	<b>\$916,900</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$916,900
<b>Updated Budget:</b>	<b>\$916,900</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	10,000	0	10,000	10,000	0	10,000	7/14	6/15
CONSTRUCTION	823,500	0	823,500	823,500	0	823,500	7/14	6/15
Contingency - 10.00% Subtotal	\$83,400	\$0	\$83,400	\$83,400	\$0	\$83,400		
<b>Subtotal (Direct Costs)</b>	<b>\$916,900</b>	<b>\$0</b>	<b>\$916,900</b>	<b>\$916,900</b>	<b>\$0</b>	<b>\$916,900</b>		
Estimated G/A - 185.00% of direct labor*	\$18,500	\$0	\$18,500	\$18,500	\$0	\$18,500		
<b>Total</b>	<b>\$935,400</b>	<b>\$0</b>	<b>\$935,400</b>	<b>\$935,400</b>	<b>\$0</b>	<b>\$935,400</b>		
Direct Labor	\$10,000	\$0	\$10,000	\$10,000	\$0	\$10,000		

\*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: \_\_\_\_\_

Department Director: \_\_\_\_\_

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 \$955,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

**Project Name:** GEN SYS MODS-DW 14/15  
**EPMS Project No:** 11648 **EA No:** 1  
**Oracle Project No:** 3768  
**Project Manager:** ROBERTS, TOM  
**Project Engineer:** MOORE, RORY  
**Request Date:** June 9, 2014

**ID Split:** Regional DW w/LAWD w/ Enhance (11/08)  
**Improvement District (ID) Allocations**

ID No.	Allocation %	Source of Funds
112	1.0	BONDS YET TO BE SOLD**
113	1.2	BONDS YET TO BE SOLD**
115	1.7	CAPITAL FUND
121	3.5	BONDS YET TO BE SOLD**
130	2.7	BONDS YET TO BE SOLD**
135	4.4	PREVIOUSLY SOLD BONDS
140	.9	BONDS YET TO BE SOLD**
150	7.1	BONDS YET TO BE SOLD**
153	.8	BONDS YET TO BE SOLD**
154	.3	BONDS YET TO BE SOLD**
161	1.8	BONDS YET TO BE SOLD**
182	.7	BONDS YET TO BE SOLD**
184	.6	BONDS YET TO BE SOLD**
186	.2	BONDS YET TO BE SOLD**
188	.2	BONDS YET TO BE SOLD**
199	72.9	CAPITAL FUND ENHANCEMENT**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$190,300
<b>Total EA Requests:</b>	<b>\$190,300</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$190,300
<b>Updated Budget:</b>	<b>\$190,300</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - OUTSIDE	1,000	0	1,000	1,000	0	1,000	7/14	6/15
DESIGN STAFF FIELD SUPPORT	1,000	0	1,000	1,000	0	1,000	7/14	6/15
ENGINEERING - CA&I IRWD	1,000	0	1,000	1,000	0	1,000	7/14	6/15
CONSTRUCTION FIELD SUPPORT	20,000	0	20,000	20,000	0	20,000	7/14	6/15
CONSTRUCTION	150,000	0	150,000	150,000	0	150,000	7/14	6/15
Contingency - 10.00% Subtotal	\$17,300	\$0	\$17,300	\$17,300	\$0	\$17,300		
<b>Subtotal (Direct Costs)</b>	<b>\$190,300</b>	<b>\$0</b>	<b>\$190,300</b>	<b>\$190,300</b>	<b>\$0</b>	<b>\$190,300</b>		
Estimated G/A - 185.00% of direct labor*	\$40,800	\$0	\$40,800	\$40,800	\$0	\$40,800		
<b>Total</b>	<b>\$231,100</b>	<b>\$0</b>	<b>\$231,100</b>	<b>\$231,100</b>	<b>\$0</b>	<b>\$231,100</b>		
Direct Labor	\$22,000	\$0	\$22,000	\$22,000	\$0	\$22,000		

\*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:** *[Signature]* 6-9-14  
**Department Director:** *[Signature]* 6/9/14  
**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 \$236,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

**Project Name:** CSR METER REPLACEMENT-DW 14/15  
**EPMS Project No:** 11649 **EA No:** 1  
**Oracle Project No:** 3769  
**Project Manager:** ROBERTS, TOM  
**Project Engineer:** MOORE, RORY  
**Request Date:** June 5, 2014

**ID Split:** Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
101	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$203,500
<b>Total EA Requests:</b>	<b>\$203,500</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$203,500
<b>Updated Budget:</b>	<b>\$203,500</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	7/14	6/15
CONSTRUCTION	180,000	0	180,000	180,000	0	180,000	7/14	6/15
Contingency - 10.00% Subtotal	\$18,500	\$0	\$18,500	\$18,500	\$0	\$18,500		
<b>Subtotal (Direct Costs)</b>	<b>\$203,500</b>	<b>\$0</b>	<b>\$203,500</b>	<b>\$203,500</b>	<b>\$0</b>	<b>\$203,500</b>		
Estimated G/A - 185.00% of direct labor*	\$9,300	\$0	\$9,300	\$9,300	\$0	\$9,300		
<b>Total</b>	<b>\$212,800</b>	<b>\$0</b>	<b>\$212,800</b>	<b>\$212,800</b>	<b>\$0</b>	<b>\$212,800</b>		
Direct Labor	\$5,000	\$0	\$5,000	\$5,000	\$0	\$5,000		

\*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:** *[Signature]* 6-9-14  
**Department Director:** *[Signature]* 6/9/14  
**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 \$218,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

**Project Name:** 1" TO 2" METER REPLACEMENT-DW 14/15  
**EPMS Project No:** 11653    **EA No:** 1  
**Oracle Project No:** 5492  
**Project Manager:** ROBERTS, TOM  
**Project Engineer:** MOORE, RORY  
**Request Date:** June 5, 2014

**ID Split:** Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
101	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$130,200
<b>Total EA Requests:</b>	<b>\$130,200</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$130,200
<b>Updated Budget:</b>	<b>\$130,200</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	13,400	0	13,400	13,400	0	13,400	7/14	6/15
CONSTRUCTION	105,000	0	105,000	105,000	0	105,000	7/14	6/15
Contingency - 10.00% Subtotal	\$11,800	\$0	\$11,800	\$11,800	\$0	\$11,800		
<b>Subtotal (Direct Costs)</b>	<b>\$130,200</b>	<b>\$0</b>	<b>\$130,200</b>	<b>\$130,200</b>	<b>\$0</b>	<b>\$130,200</b>		
Estimated G/A - 185.00% of direct labor*	\$24,800	\$0	\$24,800	\$24,800	\$0	\$24,800		
<b>Total</b>	<b>\$155,000</b>	<b>\$0</b>	<b>\$155,000</b>	<b>\$155,000</b>	<b>\$0</b>	<b>\$155,000</b>		
Direct Labor	\$13,400	\$0	\$13,400	\$13,400	\$0	\$13,400		

\*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: \_\_\_\_\_

Department Director: \_\_\_\_\_

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 \$159,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: MECH & ELEC SYS REPLACEMENT - DW 14/15  
 EPMS Project No: 11703 EA No: 1  
 Oracle Project No: 4422  
 Project Manager: DRAKE, KENNETH  
 Project Engineer: FIKE, CHRISTOPHER  
 Request Date: June 9, 2014

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
101	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$660,000
<b>Total EA Requests:</b>	<b>\$660,000</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$660,000
<b>Updated Budget:</b>	<b>\$660,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	600,000	0	600,000	600,000	0	600,000	7/14	6/15
Contingency - 10.00% Subtotal	\$60,000	\$0	\$60,000	\$60,000	\$0	\$60,000		
<b>Subtotal (Direct Costs)</b>	<b>\$660,000</b>	<b>\$0</b>	<b>\$660,000</b>	<b>\$660,000</b>	<b>\$0</b>	<b>\$660,000</b>		
Estimated G/A - 185.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$660,000</b>	<b>\$0</b>	<b>\$660,000</b>	<b>\$660,000</b>	<b>\$0</b>	<b>\$660,000</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

\*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:

*Kenneth Drake* 6-9-14

Department Director:

*Christopher Fike* 6/9/14

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 \$674,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

**Project Name:** MWRP SYS REPLACEMENTS 14/15  
**EPMS Project No:** 20914    **EA No:** 1  
**Oracle Project No:** 4438  
**Project Manager:** DRAKE, KENNETH  
**Project Engineer:** FIKE, CHRISTOPHER  
**Request Date:** June 9, 2014

**ID Split:** Miscellaneous

<b>Improvement District (ID) Allocations</b>		
<b>ID No.</b>	<b>Allocation %</b>	<b>Source of Funds</b>
210	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$332,200
<b>Total EA Requests:</b>	<b>\$332,200</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$332,200
<b>Updated Budget:</b>	<b>\$332,200</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	2,000	0	2,000	2,000	0	2,000	7/14	6/15
CONSTRUCTION	300,000	0	300,000	300,000	0	300,000	7/14	6/15
Contingency - 10.00% Subtotal	\$30,200	\$0	\$30,200	\$30,200	\$0	\$30,200		
<b>Subtotal (Direct Costs)</b>	<b>\$332,200</b>	<b>\$0</b>	<b>\$332,200</b>	<b>\$332,200</b>	<b>\$0</b>	<b>\$332,200</b>		
Estimated G/A - 185.00% of direct labor*	\$3,700	\$0	\$3,700	\$3,700	\$0	\$3,700		
<b>Total</b>	<b>\$335,900</b>	<b>\$0</b>	<b>\$335,900</b>	<b>\$335,900</b>	<b>\$0</b>	<b>\$335,900</b>		
Direct Labor	\$2,000	\$0	\$2,000	\$2,000	\$0	\$2,000		

\*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: \_\_\_\_\_

Department Director: \_\_\_\_\_

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 \$343,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

**Project Name:** SEWER GEN SYS MODS 14/15  
**EPMS Project No:** 20959 **EA No:** 1  
**Oracle Project No:** 5482  
**Project Manager:** LEE, RANDY  
**Project Engineer:** SPRINGMAN, GREGORY  
**Request Date:** June 5, 2014

**ID Split:** Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$330,000
<b>Total EA Requests:</b>	<b>\$330,000</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$330,000
<b>Updated Budget:</b>	<b>\$330,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	300,000	0	300,000	300,000	0	300,000	7/14	6/15
Contingency - 10.00% Subtotal	\$30,000	\$0	\$30,000	\$30,000	\$0	\$30,000		
<b>Subtotal (Direct Costs)</b>	<b>\$330,000</b>	<b>\$0</b>	<b>\$330,000</b>	<b>\$330,000</b>	<b>\$0</b>	<b>\$330,000</b>		
Estimated G/A - 185.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$330,000</b>	<b>\$0</b>	<b>\$330,000</b>	<b>\$330,000</b>	<b>\$0</b>	<b>\$330,000</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

\*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:

*Randy Lee* 6/11/2014

Department Director:

*Patrick Sheehan* 6/9/14

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 \$337,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

**Project Name:** LAWRP SYSTEM REPLACEMENTS 14/15  
**EPMS Project No:** 21010    **EA No:** 1  
**Oracle Project No:** 4420  
**Project Manager:** LEE, RANDY  
**Project Engineer:** WEHR, DANA  
**Request Date:** June 10, 2014

**ID Split:** Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$132,000
<b>Total EA Requests:</b>	<b>\$132,000</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$132,000
<b>Updated Budget:</b>	<b>\$132,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	120,000	0	120,000	120,000	0	120,000	7/14	6/15
Contingency - 10.00% Subtotal	\$12,000	\$0	\$12,000	\$12,000	\$0	\$12,000		
<b>Subtotal (Direct Costs)</b>	<b>\$132,000</b>	<b>\$0</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$0</b>	<b>\$132,000</b>		
Estimated G/A - 185.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$132,000</b>	<b>\$0</b>	<b>\$132,000</b>	<b>\$132,000</b>	<b>\$0</b>	<b>\$132,000</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

\*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: *Randy Lee* 6/11/2014

Department Director: *Peter Sheehan* 6/9/14

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 \$135,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: SEWER LATERAL & MAIN REPLACEMENT 14/15  
 EPMS Project No: 21646 EA No: 1  
 Oracle Project No: 5490  
 Project Manager: ROBERTS, TOM  
 Project Engineer: MOORE, RORY  
 Request Date: June 5, 2014

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$218,900
<b>Total EA Requests:</b>	<b>\$218,900</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$218,900
<b>Updated Budget:</b>	<b>\$218,900</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	10,000	0	10,000	10,000	0	10,000	7/14	6/15
CONSTRUCTION	189,000	0	189,000	189,000	0	189,000	7/14	6/15
Contingency - 10.00% Subtotal	\$19,900	\$0	\$19,900	\$19,900	\$0	\$19,900		
<b>Subtotal (Direct Costs)</b>	<b>\$218,900</b>	<b>\$0</b>	<b>\$218,900</b>	<b>\$218,900</b>	<b>\$0</b>	<b>\$218,900</b>		
Estimated G/A - 185.00% of direct labor*	\$18,500	\$0	\$18,500	\$18,500	\$0	\$18,500		
<b>Total</b>	<b>\$237,400</b>	<b>\$0</b>	<b>\$237,400</b>	<b>\$237,400</b>	<b>\$0</b>	<b>\$237,400</b>		
Direct Labor	\$10,000	\$0	\$10,000	\$10,000	\$0	\$10,000		

\*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: \_\_\_\_\_

Department Director: \_\_\_\_\_

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 \$243,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: MECH & ELEC SYS REPLACEMENT - SEWER 14/15  
 EPMS Project No: 21703 EA No: 1  
 Oracle Project No: 4432  
 Project Manager: DRAKE, KENNETH  
 Project Engineer: FIKE, CHRISTOPHER  
 Request Date: June 9, 2014

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$400,000
<b>Total EA Requests:</b>	<b>\$400,000</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$400,000
<b>Updated Budget:</b>	<b>\$400,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	363,600	0	363,600	363,600	0	363,600	7/14	6/15
Contingency - 10.00% Subtotal	\$36,400	\$0	\$36,400	\$36,400	\$0	\$36,400		
<b>Subtotal (Direct Costs)</b>	<b>\$400,000</b>	<b>\$0</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$0</b>	<b>\$400,000</b>		
Estimated G/A - 185.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$400,000</b>	<b>\$0</b>	<b>\$400,000</b>	<b>\$400,000</b>	<b>\$0</b>	<b>\$400,000</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

\*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:

Kenneth Drake 6-9-14

Department Director:

Robert Shultz 6/9/14

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 \$408,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: SERVICE LINE, VALVE & MAIN REPLACEMENT-RW 14/15  
 EPMS Project No: 31646 EA No: 1  
 Oracle Project No: 3781  
 Project Manager: ROBERTS, TOM  
 Project Engineer: MOORE, RORY  
 Request Date: June 5, 2014

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$342,100
<b>Total EA Requests:</b>	<b>\$342,100</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$342,100
<b>Updated Budget:</b>	<b>\$342,100</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	10,000	0	10,000	10,000	0	10,000	7/14	6/15
CONSTRUCTION	301,000	0	301,000	301,000	0	301,000	7/14	6/15
Contingency - 10.00% Subtotal	\$31,100	\$0	\$31,100	\$31,100	\$0	\$31,100		
<b>Subtotal (Direct Costs)</b>	<b>\$342,100</b>	<b>\$0</b>	<b>\$342,100</b>	<b>\$342,100</b>	<b>\$0</b>	<b>\$342,100</b>		
Estimated G/A - 185.00% of direct labor*	\$18,500	\$0	\$18,500	\$18,500	\$0	\$18,500		
<b>Total</b>	<b>\$360,600</b>	<b>\$0</b>	<b>\$360,600</b>	<b>\$360,600</b>	<b>\$0</b>	<b>\$360,600</b>		
Direct Labor	\$10,000	\$0	\$10,000	\$10,000	\$0	\$10,000		

\*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: *[Signature]* 6-9-14  
 Department Director: *[Signature]* 6/9/14  
 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 \$368,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: GEN SYS MODS-RW 14/15  
 EPMS Project No: 31648 EA No: 1  
 Oracle Project No: 5485  
 Project Manager: ROBERTS, TOM  
 Project Engineer: MOORE, RORY  
 Request Date: June 9, 2014

ID Split: Regional RW w/LAWD w/ Enhance (11/08)  
**Improvement District (ID) Allocations**

ID No.	Allocation %	Source of Funds
211	.7	CAPITAL FUND
212	4.3	BONDS YET TO BE SOLD**
213	1.6	BONDS YET TO BE SOLD**
215	.2	CAPITAL FUND
221	4.3	BONDS YET TO BE SOLD**
230	3.2	BONDS YET TO BE SOLD**
235	2.6	PREVIOUSLY SOLD BONDS
240	2.5	BONDS YET TO BE SOLD**
250	10.3	BONDS YET TO BE SOLD**
261	3.0	BONDS YET TO BE SOLD**
299	67.3	CAPITAL FUND ENHANCEMENT**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$82,500
<b>Total EA Requests:</b>	<b>\$82,500</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$82,500
<b>Updated Budget:</b>	<b>\$82,500</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - OUTSIDE	1,000	0	1,000	1,000	0	1,000	7/14	6/15
DESIGN STAFF FIELD SUPPORT	1,000	0	1,000	1,000	0	1,000	7/14	6/15
ENGINEERING - CA&I IRWD	1,000	0	1,000	1,000	0	1,000	7/14	6/15
CONSTRUCTION FIELD SUPPORT	10,000	0	10,000	10,000	0	10,000	7/14	6/15
CONSTRUCTION	62,000	0	62,000	62,000	0	62,000	7/14	6/15
Contingency - 10.00% Subtotal	\$7,500	\$0	\$7,500	\$7,500	\$0	\$7,500		
<b>Subtotal (Direct Costs)</b>	<b>\$82,500</b>	<b>\$0</b>	<b>\$82,500</b>	<b>\$82,500</b>	<b>\$0</b>	<b>\$82,500</b>		
Estimated G/A - 185.00% of direct labor*	\$22,300	\$0	\$22,300	\$22,300	\$0	\$22,300		
<b>Total</b>	<b>\$104,800</b>	<b>\$0</b>	<b>\$104,800</b>	<b>\$104,800</b>	<b>\$0</b>	<b>\$104,800</b>		
Direct Labor	\$12,000	\$0	\$12,000	\$12,000	\$0	\$12,000		

\*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: \_\_\_\_\_

Department Director: \_\_\_\_\_

Finance: \_\_\_\_\_

Board/General Manager: \_\_\_\_\_

*[Handwritten Signature]* 6-9-14  
*[Handwritten Signature]* 6/9/14

\*\* 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 \$107,000. 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.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: MECH & ELEC SYS REPLACEMENT - RW 14/15  
 EPMS Project No: 31703 EA No: 1  
 Oracle Project No: 4429  
 Project Manager: DRAKE, KENNETH  
 Project Engineer: FIKE, CHRISTOPHER  
 Request Date: June 9, 2014

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$440,000
<b>Total EA Requests:</b>	<b>\$440,000</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$440,000
<b>Updated Budget:</b>	<b>\$440,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	400,000	0	400,000	400,000	0	400,000	7/14	6/15
Contingency - 10.00% Subtotal	\$40,000	\$0	\$40,000	\$40,000	\$0	\$40,000		
<b>Subtotal (Direct Costs)</b>	<b>\$440,000</b>	<b>\$0</b>	<b>\$440,000</b>	<b>\$440,000</b>	<b>\$0</b>	<b>\$440,000</b>		
Estimated G/A - 185.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$440,000</b>	<b>\$0</b>	<b>\$440,000</b>	<b>\$440,000</b>	<b>\$0</b>	<b>\$440,000</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

\*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: Kenneth Drake 6-9-14  
 Department Director: Patrick Steels 6/9/14  
 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 \$449,000. 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.



OS

June 23, 2014

Prepared by: J. Smyth/M. Gortez

Submitted by: K. Burton *K.B.*

Approved by: Paul Cook *P. Cook*

## ACTION CALENDAR

### SILVERADO CANYON DOMESTIC WATER PIPELINE CONSTRUCTION AWARD

#### SUMMARY:

The Silverado Canyon Domestic Water Pipeline project will construct 7,100 linear feet of 12-inch pipeline from the Fleming Booster Pump Station to the first bridge over Santiago Creek to replace a segment of the existing 50 year old steel pipeline and provide improved fire flow to Silverado Canyon. Staff recommends that the Board:

- Approve an Expenditure Authorization in the amount of \$2,000,300 for Project 11743;
- Find that the irregularity in the bid submitted by Sully-Miller Contracting Company on June 5, 2014 did not affect the amount of the bid or afford Sully-Miller a competitive advantage over the other bidders and waive the irregularity; and
- Authorize the General Manager to execute a construction contract with Sully-Miller in the amount of \$1,742,143 for the Silverado Canyon 12-Inch Domestic Water Pipeline, Project 11743.

#### BACKGROUND:

Silverado Canyon is served by an existing 8-inch steel pipeline that was installed in 1964 that extends from Fleming Booster Pump Station into the canyon. Three leaks have been repaired on the 50 year old pipeline this past year. This project will replace and upsize approximately 7,100 linear feet of the existing pipeline with a 12-inch PVC pipeline, from Fleming Booster Pump Station to the first bridge over Santiago Creek, as recommended in the Santiago County Water District Facilities Integration Study (January 2008). The replacement will improve the system reliability and fire flow to Silverado Canyon. A project location map is attached as Exhibit "A".

#### Construction Award:

The design was completed and the project was advertised for construction on May 16, 2014 to a select list of 13 contractors. Six contractors attended the pre-bid meeting on May 29, 2014. The bid opening was held June 5, 2014 with seven bids received from Sully-Miller, GCI Construction, WA Rasic Construction, Leatherwood Construction, L&S Construction, Vido Artukovich & Son, and Kennedy Pipeline. Sully-Miller is the apparent low bidder with a bid amount of \$1,742,143. The engineer's estimate, prepared by CivilSource, was \$2,148,481. The remaining six bids ranged from \$1,806,959.80 to \$2,821,168.80. The Bid Summary is attached as Exhibit "A".

Staff reviewed Sully-Miller's bid and identified a minor irregularity in the bid. Sully-Miller's bid contained a minor irregularity in the construction schedule consisting of a project duration that exceeds the contract time of 210 calendar days as stated in the Bid Documents. This is an apparent clerical error, as the submitted schedule equals approximately 210 *work* days. The

contract time of 210 *calendar* days will be binding. Staff conferred with legal counsel and legal counsel concurred that there is a sufficient basis for a factual finding by the Board that the irregularity in Sully-Miller's bid is inconsequential and cannot have affected the bid amount or given the bidder a competitive advantage over the other bidders. Staff recommends waiving the bid irregularity and awarding the construction contract to Sully-Miller in the amount of \$1,742,143.

FISCAL IMPACTS:

Project 11743 (4919) is included in the FY 2014-15 Capital Budget. Staff requests approval of an Expenditure Authorization as shown in the table below and in Exhibit "C". The cost of the pipeline replacement is being split 72.7% to the Replacement Fund and 27.3% to Improvement District 155. The split is based on the construction cost to replace the existing aging 8-inch pipeline with new and the additional construction cost of upsizing the pipeline to 12-inches, respectively.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
11743 (4919)	\$2,569,500	\$-0-	\$2,569,500	\$149,200	\$2,000,300	\$2,149,500

ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) and in conformance with California Code of Regulation, Title 14, Chapter 3, Sections 15301 and 15303, a Notice of Exemption was filed with the County of Orange on February 13, 2014. Section 15303 provides exemption for construction and location of limited numbers of new, small facilities or structures, installation of small new equipment and facilities in small structures and the conversion of existing small structures from one use to another where only minor modifications are made in the exterior of the structure. Examples of this exemption include water main, sewage, electrical and other utility extensions including street improvements of reasonable length to serve such construction.

COMMITTEE STATUS:

Construction awards are not routinely taken to Committee prior to submittal for Board approval.

RECOMMENDATION:

THAT THE BOARD APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$2,000,300 FOR PROJECT 11743 (4919); FIND THAT THE IRREGULARITY IN THE BID SUBMITTED BY SULLY-MILLER CONTRACTING COMPANY ON JUNE 5, 2014 DID NOT AFFECT THE AMOUNT OF THE BID OR AFFORD SULLY-MILLER A COMPETITIVE ADVANTAGE OVER THE OTHER BIDDERS AND WAIVE THE IRREGULARITY; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH SULLY-MILLER CONTRACTING COMPANY IN THE AMOUNT OF \$1,742,143 FOR THE SILVERADO CANYON DOMESTIC WATER PIPELINE, PROJECT 11743 (4919).

LIST OF EXHIBITS:

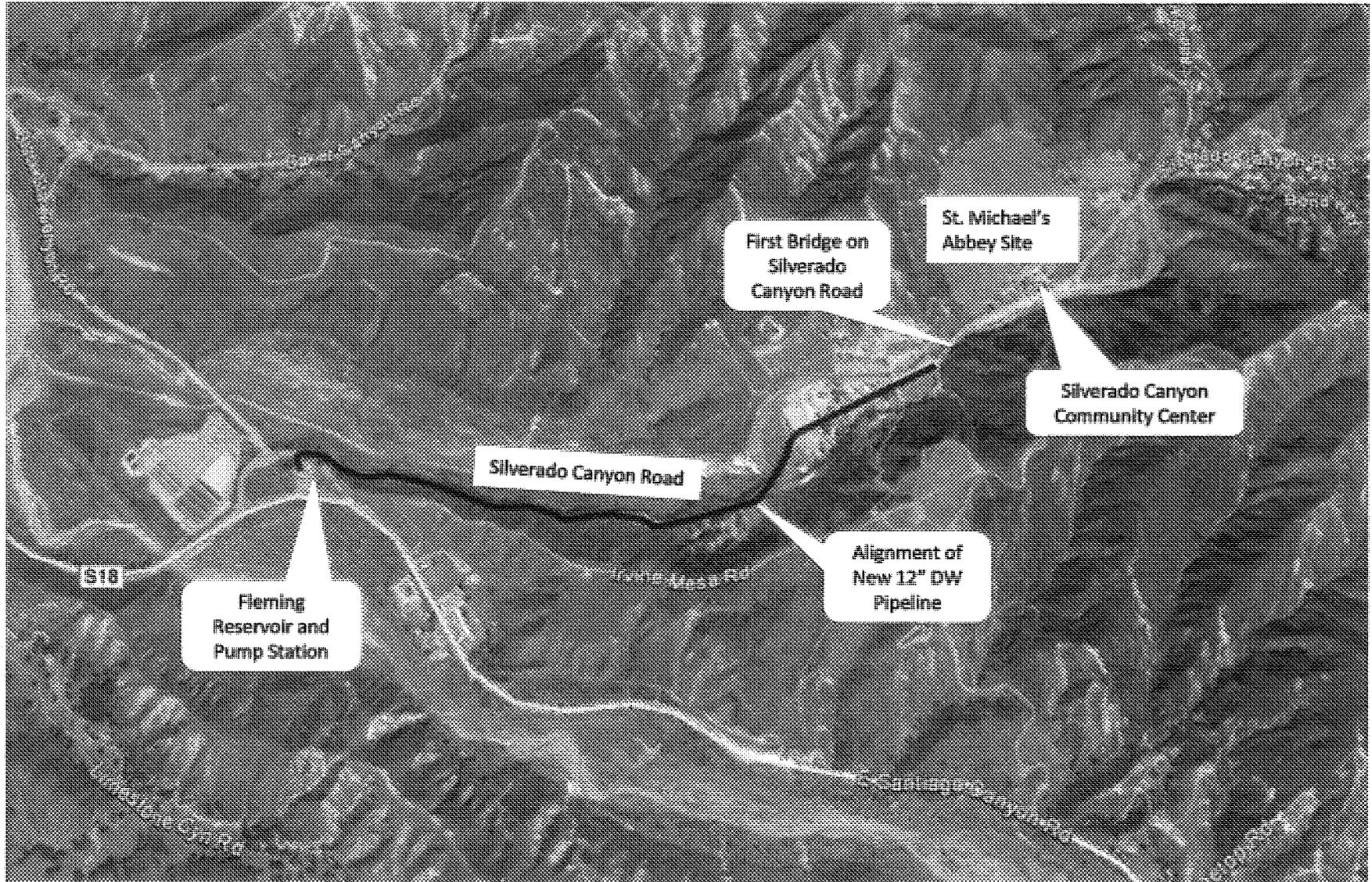
Exhibit "A" – Location Map

Exhibit "B" – Bid Summary

Exhibit "C" – Expenditure Authorization



# EXHIBIT "A" LOCATION MAP



# EXHIBIT "B"

Bid Opening: June 5, 2014 @ 11:00 A.M.

Irvine Ranch Water District Bid Summary For  
Silverado Canyon 12-inch Domestic Water Pipeline Project  
PRI1743 (4919)

Entered By: K.N. Ryan  
B. Tabannaaj

Item No.	Description	Qty	Unit	Engineer's Estimate		1 Sully-Miller Contracting Brea, CA		2 GCI Construction INC San Clemente, CA		3 W.A. Rasic Construction Co. INC Long Beach, CA		4 Leatherwood Construction INC Fountain Valley, CA		5 L & S Construction Orange, CA		6 Vido Artukovich & Son INC South El Monte, CA		7 Kennedy Pipeline Company Aliso Viejo, CA			
				Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
1	Mobilization, Demobilization & Cleanup	1	LS	\$85,000.00	\$85,000.00	\$62,000.00	\$62,000.00	\$75,000.00	\$75,000.00	\$110,000.00	\$110,000.00	\$28,000.00	\$28,000.00	\$42,500.00	\$42,500.00	\$100,000.00	\$100,000.00	\$40,670.00	\$40,670.00		
2	Excavation & Safety Measures	1	LS	\$35,215.00	\$35,215.00	\$16,000.00	\$16,000.00	\$5,200.00	\$5,200.00	\$19,600.00	\$19,600.00	\$5,000.00	\$5,000.00	\$5,200.00	\$5,200.00	\$50,000.00	\$50,000.00	\$35,000.00	\$35,000.00		
3	SWPPP Conformance / Best Management Practices / Erosion Control Plans	1	LS	\$7,500.00	\$7,500.00	\$12,000.00	\$12,000.00	\$13,000.00	\$13,000.00	\$70,920.00	\$70,920.00	\$5,000.00	\$5,000.00	\$42,500.00	\$42,500.00	\$25,000.00	\$25,000.00	\$20,000.00	\$20,000.00		
4	Traffic Control for Construction Work Areas	1	LS	\$50,000.00	\$50,000.00	\$90,000.00	\$90,000.00	\$160,000.00	\$160,000.00	\$190,460.00	\$190,460.00	\$10,000.00	\$10,000.00	\$248,500.00	\$248,500.00	\$100,000.00	\$100,000.00	\$113,800.00	\$113,800.00		
5	12" PVC AWWA C900	7,043	LF	\$250.00	\$1,760,750.00	\$158.00	\$1,112,794.00	\$152.00	\$1,070,536.00	\$143.82	\$1,012,924.26	\$215.00	\$1,514,245.00	\$225.00	\$1,584,675.00	\$260.00	\$1,831,180.00	\$184.00	\$1,295,912.00		
6	8" PVC AWWA C900	58	LF	\$150.00	\$8,700.00	\$140.00	\$8,120.00	\$200.00	\$11,600.00	\$315.00	\$18,270.00	\$250.00	\$14,500.00	\$250.00	\$14,500.00	\$240.00	\$13,920.00	\$165.00	\$9,570.00		
7	Abandon 8" water line in place	1	LS	\$8,000.00	\$8,000.00	\$20,000.00	\$20,000.00	\$9,600.00	\$9,600.00	\$52,650.00	\$52,650.00	\$13,550.00	\$13,550.00	\$19,740.00	\$19,740.00	\$30,000.00	\$30,000.00	\$30,300.00	\$30,300.00		
8	2" Air/Vac Assembly	2	EA	\$5,000.00	\$10,000.00	\$5,800.00	\$11,600.00	\$4,900.00	\$9,800.00	\$4,200.00	\$8,400.00	\$5,000.00	\$10,000.00	\$5,250.00	\$10,500.00	\$5,000.00	\$10,000.00	\$3,200.00	\$6,400.00		
9	Remove existing Air Vac	1	EA	\$1,000.00	\$1,000.00	\$350.00	\$350.00	\$1,800.00	\$1,800.00	\$940.00	\$940.00	\$1,400.00	\$1,400.00	\$1,600.00	\$1,600.00	\$3,000.00	\$3,000.00	\$950.00	\$950.00		
10	Water Sampling Station	1	LS	\$1,500.00	\$1,500.00	\$2,700.00	\$2,700.00	\$5,500.00	\$5,500.00	\$2,840.00	\$2,840.00	\$3,100.00	\$3,100.00	\$2,800.00	\$2,800.00	\$4,500.00	\$4,500.00	\$2,650.00	\$2,650.00		
11	Remove existing Water Sampling Station	1	LS	\$500.00	\$500.00	\$350.00	\$350.00	\$1,200.00	\$1,200.00	\$940.00	\$940.00	\$1,400.00	\$1,400.00	\$1,600.00	\$1,600.00	\$3,000.00	\$3,000.00	\$950.00	\$950.00		
12	Temporary Flush out	1	EA	\$3,500.00	\$3,500.00	\$2,350.00	\$2,350.00	\$3,200.00	\$3,200.00	\$1,680.00	\$1,680.00	\$2,475.00	\$2,475.00	\$3,200.00	\$3,200.00	\$2,000.00	\$2,000.00	\$2,950.00	\$2,950.00		
13	Install Fire Hydrant	6	EA	\$7,000.00	\$42,000.00	\$7,500.00	\$45,000.00	\$10,200.00	\$61,200.00	\$10,860.00	\$65,160.00	\$10,400.00	\$62,400.00	\$9,950.00	\$59,700.00	\$7,500.00	\$45,000.00	\$6,000.00	\$36,000.00		
14	Remove Existing Fire Hydrant and existing valve extension can and lid	2	EA	\$3,000.00	\$6,000.00	\$700.00	\$1,400.00	\$1,500.00	\$3,000.00	\$880.00	\$1,760.00	\$1,400.00	\$2,800.00	\$3,295.00	\$6,590.00	\$4,000.00	\$8,000.00	\$1,100.00	\$2,200.00		
15	Repair pavement at Geotechnical Boring Locations	17	EA	\$1,500.00	\$25,500.00	\$90.00	\$1,530.00	\$860.00	\$14,620.00	\$300.00	\$5,100.00	\$650.00	\$11,050.00	\$4,550.00	\$77,350.00	\$600.00	\$10,200.00	\$275.00	\$4,675.00		
16	Cold Mill (Grind) Existing Pavement and Finish/Install Pavement Overlay (2" thick)	88,916	SF	\$0.25	\$22,229.00	\$1.80	\$160,048.80	\$1.80	\$160,048.80	\$1.90	\$168,940.40	\$2.25	\$200,061.00	\$2.75	\$244,519.00	\$2.40	\$213,398.40	\$5.05	\$449,025.80		
17	Replace Existing Striping	1	LS	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00	\$15,900.00	\$15,900.00	\$24,400.00	\$24,400.00	\$23,500.00	\$23,500.00	\$15,000.00	\$15,000.00	\$24,200.00	\$24,200.00		
18	Reconnect to Existing Protection Back-Flow assembly	1	LS	\$1,800.00	\$1,800.00	\$2,600.00	\$2,600.00	\$5,000.00	\$5,000.00	\$5,250.00	\$5,250.00	\$5,400.00	\$5,400.00	\$3,550.00	\$3,550.00	\$5,000.00	\$5,000.00	\$1,700.00	\$1,700.00		
19	1" Copper Service (5/8" meter)	9	EA	\$1,500.00	\$13,500.00	\$2,100.00	\$18,900.00	\$3,350.00	\$30,150.00	\$4,860.00	\$43,740.00	\$4,250.00	\$38,250.00	\$5,100.00	\$45,900.00	\$2,000.00	\$18,000.00	\$2,550.00	\$22,950.00		
20	1" Copper Service (1" meter)	5	EA	\$1,800.00	\$9,000.00	\$3,700.00	\$18,500.00	\$3,300.00	\$16,500.00	\$3,670.00	\$18,350.00	\$3,350.00	\$16,750.00	\$5,150.00	\$25,750.00	\$2,000.00	\$10,000.00	\$2,500.00	\$12,500.00		
21	2" Copper Service (1-1/2" meter)	1	EA	\$2,000.00	\$2,000.00	\$3,800.00	\$3,800.00	\$6,700.00	\$6,700.00	\$3,370.00	\$3,370.00	\$4,800.00	\$4,800.00	\$7,250.00	\$7,250.00	\$4,000.00	\$4,000.00	\$2,900.00	\$2,900.00		
22	2" Meter and Meter Box	1	EA	\$2,000.00	\$2,000.00	\$6,800.00	\$6,800.00	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00	\$1,400.00	\$1,400.00	\$475.00	\$475.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00		
23	Remove existing appurtenances	1	LS	\$10,000.00	\$10,000.00	\$5,400.00	\$5,400.00	\$8,400.00	\$8,400.00	\$19,900.00	\$19,900.00	\$16,250.00	\$16,250.00	\$1,250.00	\$1,250.00	\$10,000.00	\$10,000.00	\$3,500.00	\$3,500.00		
24	Connection at STA. 9+96.5±	1	EA	\$10,000.00	\$10,000.00	\$12,400.00	\$12,400.00	\$20,000.00	\$20,000.00	\$27,690.00	\$27,690.00	\$23,900.00	\$23,900.00	\$15,250.00	\$15,250.00	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00		
25	Connection at STA. 80+25±	1	EA	\$10,000.00	\$10,000.00	\$11,800.00	\$11,800.00	\$20,000.00	\$20,000.00	\$24,430.00	\$24,430.00	\$22,800.00	\$22,800.00	\$14,950.00	\$14,950.00	\$12,000.00	\$12,000.00	\$17,650.00	\$17,650.00		
26	Locator Wire	7,100	LF	\$0.85	\$6,035.00	\$1.00	\$7,100.00	\$0.55	\$3,905.00	\$0.14	\$994.00	\$1.00	\$7,100.00	\$1.00	\$7,100.00	\$1.00	\$7,100.00	\$5.00	\$35,500.00		
SUBTOTAL, Base Bid Items					\$2,146,729.00		\$1,653,542.80		\$1,731,959.80		\$1,892,708.66		\$2,046,031.00		\$2,510,449.00		\$2,540,798.40		\$2,188,452.80		
Alternative Bid Items																					
A-1	Backfill trench zone with one-sack slurry (in lieu of import soil)	1	LS	\$0.00	\$0.00	\$83,000.00	\$83,000.00	\$75,000.00	\$75,000.00	\$72,500.00	\$72,500.00	\$197,300.00	\$197,300.00	\$46,500.00	\$46,500.00	\$225,000.00	\$225,000.00	\$590,716.00	\$590,716.00		
A-2	12" Butterfly Valve (FExPE) with 12" adaptor (FExPO) (in lieu of 12" Butterfly Valve (FexPO))	7	EA	\$0.00	\$0.00	\$800.00	\$5,600.00	\$0.00	\$0.00	\$32.00	\$224.00	\$800.00	\$5,600.00	\$650.00	\$650.00	\$5,000.00	\$35,000.00	\$6,000.00	\$42,000.00		
SUBTOTAL, Alternative Bid Items					\$0.00	\$88,600.00	\$75,000.00	\$75,000.00	\$72,724.00	\$72,724.00	\$800.00	\$202,900.00	\$800.00	\$47,150.00	\$800.00	\$47,150.00	\$260,000.00	\$260,000.00	\$632,716.00	\$632,716.00	
SUBTOTAL, Base Bid and Alternative Bid Items					\$2,146,729.00	\$1,742,142.80	\$1,806,959.80	\$1,806,959.80	\$1,965,432.66	\$1,965,432.66	\$2,248,931.00	\$2,248,931.00	\$2,557,599.00	\$2,557,599.00	\$2,800,798.40	\$2,800,798.40	\$2,821,168.80	\$2,821,168.80	\$2,821,168.80	\$2,821,168.80	
ADDITION (+) OR DEDUCTION (-)					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
TOTAL AMOUNT OF BID					\$2,146,729.00	\$1,742,142.80	\$1,806,959.80	\$1,806,959.80	\$1,965,432.66	\$1,965,432.66	\$2,248,931.00	\$2,248,931.00	\$2,557,599.00	\$2,557,599.00	\$2,800,798.40	\$2,800,798.40	\$2,821,168.80	\$2,821,168.80	\$2,821,168.80	\$2,821,168.80	
		Item Delivery Dates:		Item Delivery Dates:		Item Delivery Dates:		Item Delivery Dates:		Item Delivery Dates:		Item Delivery Dates:		Item Delivery Dates:		Item Delivery Dates:		Item Delivery Dates:			
		12-inch C-900 DR 14 PVC Pipe: 7		12-inch C-900 DR 14 PVC Pipe: 5-10 Days		12-inch C-900 DR 14 PVC Pipe: 7 Days		12-inch C-900 DR 14 PVC Pipe: 7 Days		12-inch C-900 DR 14 PVC Pipe: 30		12-inch C-900 DR 14 PVC Pipe: 3-5		12-inch C-900 DR 14 PVC Pipe: 4-6		12-inch C-900 DR 14 PVC Pipe: 1		12-inch C-900 DR 14 PVC Pipe: 1			
		12-inch Butterfly Valves: 50 Days		12-inch Butterfly Valves: 10-15 Day		12-inch Butterfly Valves: 1 Day		12-inch Butterfly Valves: 90 Days		12-inch Butterfly Valves: 1-2 Day		12-inch Butterfly Valves: 6-8 Weeks		12-inch Butterfly Valves: 98 Days		12-inch Butterfly Valves: 5 Days		12-inch Butterfly Valves: 5 Days			
		Hydrants: 10 Days		Hydrants: 5-10 Days		Hydrants: 7 Days		Hydrants: 30 Days		Hydrants: 3-5 Days		Hydrants: 6-8 Weeks		Hydrants: 5 Days		Hydrants: 5 Days		Hydrants: 5 Days			
		Manufacturers:		Manufacturers:		Manufacturers:		Manufacturers:		Manufacturers:		Manufacturers:		Manufacturers:		Manufacturers:		Manufacturers:			
		PVC Pipe: Diamond Plastics		PVC Pipe: VinylTech		PVC Pipe: VinylTech		PVC Pipe: VinylTech		PVC Pipe: VinylTech		PVC Pipe: VinylTech		PVC Pipe: Wells Supply		PVC Pipe: VinylTech		PVC Pipe: VinylTech			
		Butterfly Valves: Mueller Co.		Butterfly Valves: Mueller Co.		Butterfly Valves: Mueller Co.		Butterfly Valves: Mueller Co.		Butterfly Valves: Mueller Co.		Butterfly Valves: Mueller Co.		Butterfly Valves: Mueller Co.		Butterfly Valves: Mueller Co.		Butterfly Valves: Mueller Co.			
		Hydrants: Clow		Hydrants: Clow		Hydrants: James Jones		Hydrants: Clow		Hydrants: Clow		Hydrants: James Jones		Hydrants: Wells Supply		Hydrants: Jones		Hydrants: Jones			
		Subcontractors:		Subcontractors:		Subcontractors:		Subcontractors:		Subcontractors:		Subcontractors:		Subcontractors:		Subcontractors:		Subcontractors:			
		Stemdah Enterprises Inc.: Striping		Hardy&Harper, Inc.: Asphalt		Stemdah Enterprises: Pavement Striping		R.J. Noble: Cold Plane & A.C. Cap		All American Asphalt: 10%		All American Asphalt: A.C. Grind		Hardy & Harper: Asphalt		SoCal Storm Water: SWPPP		OC Striping: Striping			
		Cell-crete: Pipe Grouting		Ferguson Waterworks: Pipe Supplier		Ferguson Waterworks: Pipe Supplier		Ferguson Waterworks: Pipe Supplier		Ferguson Waterworks: Pipe Supplier		Ferguson Waterworks: Pipe Supplier		Ferguson Waterworks: Pipe Supplier		Ferguson Waterworks: Pipe Supplier		Ferguson Waterworks: Pipe Supplier			

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

## EXHIBIT "C"

Project Name: SILVERADO CANYON RD 12" DW PIPE IMPROVEMENTS

EPMS Project No: 11743 EA No: 2

Oracle Project No: 4919

Project Manager: CORTEZ, MALCOLM

Project Engineer: SMYTH, JEFFREY

Request Date: June 9, 2014

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No. Allocation % Source of Funds

101	72.7	REPLACEMENT FUND**
155	27.3	CAPITAL FUND
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$149,200
This Request:	\$2,000,300
<b>Total EA Requests:</b>	<b>\$2,149,500</b>
Previously Approved Budget:	\$1,057,500
Budget Adjustment Requested this EA:	\$1,512,000
<b>Updated Budget:</b>	<b>\$2,569,500</b>
<b>Budget Remaining After This EA</b>	<b>\$420,000</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	0	30,000	30,000	0	30,000	30,000	10/13	4/14
ENGINEERING DESIGN - OUTSIDE	0	106,000	106,000	0	106,000	106,000	10/13	4/14
DESIGN STAFF FIELD SUPPORT	0	5,000	5,000	0	5,000	5,000	10/13	4/14
ENGINEERING - CA&I IRWD	30,000	0	30,000	0	30,000	30,000	5/14	10/14
ENGINEERING - CA&I OUTSIDE	70,000	0	70,000	40,000	30,000	70,000	6/14	1/15
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	0	5,000	5,000	6/14	1/15
CONSTRUCTION	1,800,000	0	1,800,000	1,400,000	800,000	2,200,000	6/14	1/15
LEGAL	0	1,000	1,000	0	1,000	1,000	10/13	1/15
Contingency - 5.00% Subtotal	\$95,300	\$7,200	\$102,500	\$72,000	\$50,500	\$122,500		
<b>Subtotal (Direct Costs)</b>	<b>\$2,000,300</b>	<b>\$149,200</b>	<b>\$2,149,500</b>	<b>\$1,512,000</b>	<b>\$1,057,500</b>	<b>\$2,569,500</b>		
Estimated G/A - 185.00% of direct labor*	\$70,100	\$59,500	\$129,600	\$10,600	\$119,000	\$129,600		
<b>Total</b>	<b>\$2,070,400</b>	<b>\$208,700</b>	<b>\$2,279,100</b>	<b>\$1,522,600</b>	<b>\$1,176,500</b>	<b>\$2,699,100</b>		
Direct Labor	\$35,000	\$35,000	\$70,000	\$0	\$70,000	\$70,000		

\*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: \_\_\_\_\_

Department Director: \_\_\_\_\_

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 \$2,754,000. 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.



June 23, 2014  
Prepared by: T. Bonkowski/M. Cortez  
Submitted by: K. Burton  
Approved by: Paul Cook

## ACTION CALENDAR

### PORTOLA SPRINGS 16-INCH RECYCLED WATER PIPELINE CONSTRUCTION AWARD

#### SUMMARY:

This project will construct a permanent 16-inch recycled water pipeline to replace an existing above-ground 16-inch temporary pipeline located on the University of California's Agriculture & Natural Resources' South Coast Field Station between Ridge Valley and Lambert Road. Staff recommends that the Board:

- Authorize a budget increase for Project 30433 in the amount of \$40,200 from \$284,500 to \$324,700;
- Approve an Expenditure Authorization in the amount of \$285,000 for Project 30433; and
- Authorize the General Manager to execute a construction contract with TE Roberts, Inc. in the amount of \$184,665.90 for the Portola Springs 16-inch Recycled Water Pipeline, Project 30433.

#### BACKGROUND:

The original "Lambert Reach" of the Irvine Lake Pipeline (ILP) was constructed in 1977 to supply ILP water to Lambert Reservoir and to provide irrigation of various agriculture properties in the vicinity. As part of the development of Portola Springs, the ILP was converted to Zone C recycled water and a temporary above-ground pipeline segment was constructed in 2006 to provide a loop connection between the ILP and the new Zone C system, becoming a secondary source to the Zone C reservoir in Tomato Springs.

This project will replace the existing above-ground temporary pipeline with a permanent pipeline located on the University of California's Agriculture & Natural Resources' South Coast Field Station land, between Ridge Valley and Lambert Road. A Location Map is attached as Exhibit "A". The proposed pipeline improvements include approximately 1,200 feet of 16-inch diameter recycled water pipeline and appurtenances, the removal of the existing above ground recycled water pipeline, and the reconstruction of the existing road over the pipe trench.

#### Construction Award:

The design was completed and the project was advertised for construction on May 5, 2014 to a select list of 12 contractors. Two contractors attended the pre-bid meeting on May 22, 2014. The bid opening was held June 5, 2014 with four bids received from GCI Construction, Inc., Kennedy Pipeline Company, L&S Construction, Inc. and TE Roberts, Inc. TE Roberts is the apparent low bidder with a bid amount of \$184,665.90.

Staff reviewed TE Roberts' bid and has determined that it is responsive. The engineer's estimate, prepared by MBF Consulting, was \$222,407. TE Roberts was recently added to the list of prequalified

contractors and this will be their first project with IRWD. The remaining three bids ranged from \$253,657.35 to \$286,158.80. Staff recommends awarding the construction contract to TE Roberts in the amount of \$184,665.90. The Bid Summary is attached as Exhibit "A".

FISCAL IMPACTS:

Project 30433 (4951) is included in the FY 2014-15 Capital Budget. Staff requests a budget increase and Expenditure Authorization to fund the construction as shown in the table below and in Exhibit "C".

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
30433 (4951)	\$284,500	\$40,200	\$324,700	\$39,700	\$285,000	\$324,700

ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) and in conformance with California Code of Regulation, Title 14, Chapter 3, Section 15282 in that the installation of the new pipeline and demolition of the existing pipeline as set forth in Section 21080.21 of the Public Resources Code, is less than one mile (or 5,280 ft) in length. A Notice of Exemption for the project was filed on December 13, 2013.

COMMITTEE STATUS:

Construction awards are not routinely taken to Committee prior to submittal for Board approval.

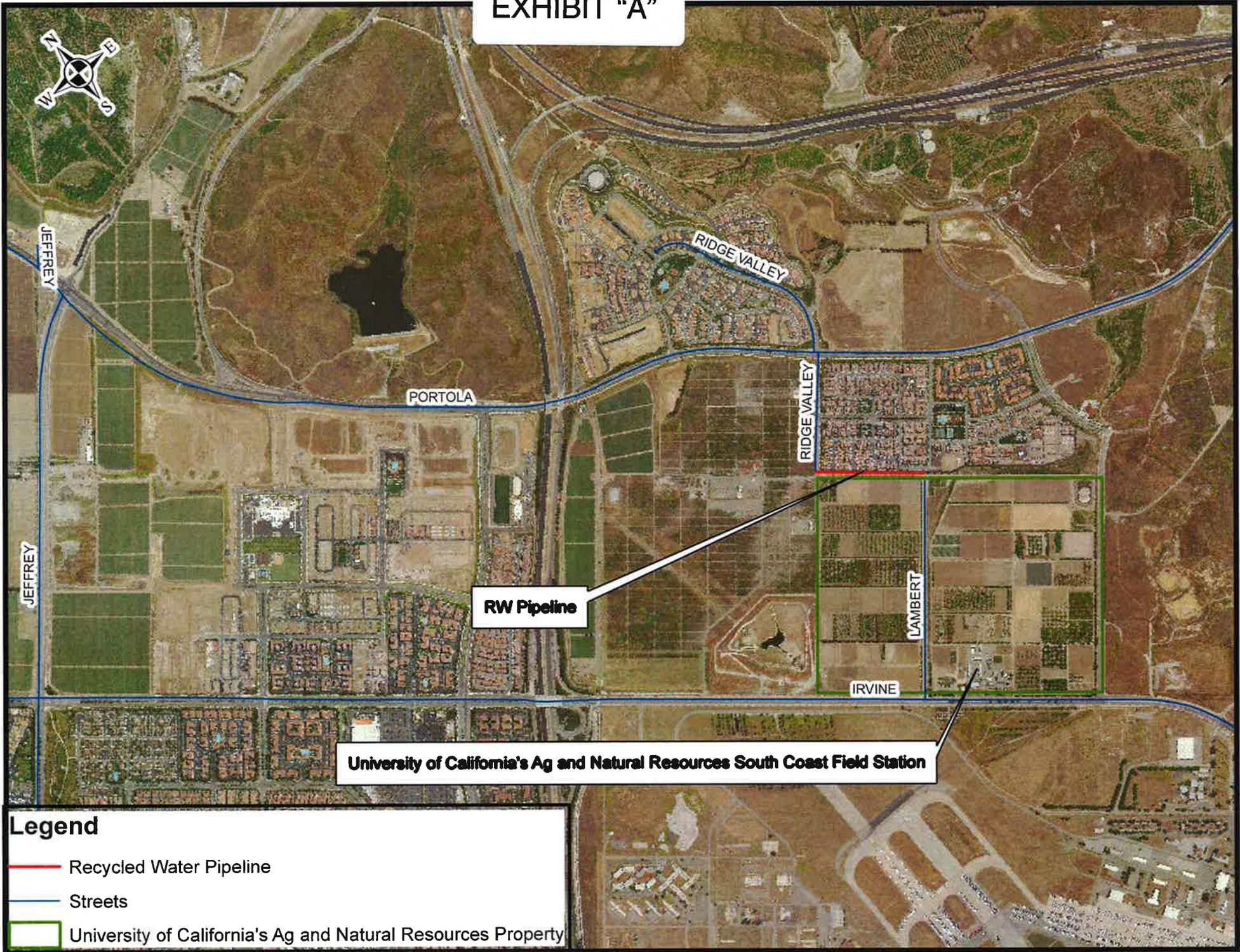
RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE FOR PROJECT 30433 (4951) IN THE AMOUNT OF \$40,200, FROM \$284,500 TO \$324,700; APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$285,000; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH TE ROBERTS, INC. IN THE AMOUNT OF \$184,665.90 FOR THE PORTOLA SPRINGS 16-INCH RECYCLED WATER PIPELINE, PROJECT 30433 (4951).

LIST OF EXHIBITS:

- Exhibit "A" – Location Map
- Exhibit "B" – Bid Summary
- Exhibit "C" – Expenditure Authorization

# EXHIBIT "A"



## Legend

- Recycled Water Pipeline
- Streets
- University of California's Ag and Natural Resources Property





Bid Opening:

Irvine Ranch Water District Bid Summary For Portola Springs 16-inch RW Pipeline

Entered By: N. Castaneda

PR 30433

				<b>1</b>		<b>2</b>		<b>3</b>		<b>4</b>	
		<b>Engineer's Estimate</b>		<b>TE Roberts, Inc.</b>		<b>L &amp; S Construction, Inc.</b>		<b>Kennedy Pipeline Company</b>		<b>GCI Construction, Inc.</b>	
				<b>Tustin, CA</b>		<b>Orange, CA</b>		<b>Aliso Viejo, CA</b>		<b>San Clemente, CA</b>	
<b>Item No.</b>	<b>Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Total Amount</b>	<b>Unit Price</b>	<b>Total Amount</b>	<b>Unit Price</b>	<b>Total Amount</b>	<b>Unit Price</b>	<b>Total Amount</b>
					Butterfly Valves: 1-2 days		Butterfly Valves: 2 days		Butterfly Valves: 6-8 weeks		Butterfly Valves: 15-20 days
					Fittings/Bends/Flanges: 1-2 days		Fittings/Bends/Flanges: 2 days		Fittings/Bends/Flanges: 2-4 weeks		Fittings/Bends/Flanges: 15-20 days
					<b>Manufacturers:</b>		<b>Manufacturers:</b>		<b>Manufacturers:</b>		<b>Manufacturers:</b>
					Vinyl Tech: 16 in. C-905 DR 18 Purple PVC pipe		Vinyl Tech: 16 in. C-905 DR 18 Purple PVC pipe		Vinyl Tech: 16 in. C-905 DR 18 Purple PVC pipe		Vinyl Tech: 16 in. C-905 DR 18 Purple PVC pipe
					Mueller: Butterfly Valves		Mueller: Butterfly Valves		Mueller: Butterfly Valves		Mueller: Butterfly Valves
					Tyler Union: Fittings/Bends/Flanges		Tyler Union: Fittings/Bends/Flanges		Star, Sigma, Southland Pipe: Fittings/Bends/Flanges		Sigma: Fittings/Flanges/Bends
					<b>Subcontractors:</b>		<b>Subcontractors:</b>		<b>Subcontractors:</b>		<b>Subcontractors:</b>
					American Asphalt South		All American Asphalt		Hardy & Harper		Hardy & Harper
					14436 Santa Ana Ave., Fontana CA 92337		400 E. 6th Street, Corona CA 92879		1312 E. Warner Ave., Santa Ana CA 92705		1312 E. Warner Ave., Santa Ana CA 92705
									Mikes Precious Welding		
									43214 Black Deer Loop #102, Temecula CA 92590		

# IRVINE RANCH WATER DISTRICT EXHIBIT "C"

## Expenditure Authorization

Project Name: PORTOLA SPRINGS RECYCLED WATER PIPELINE  
 EPMS Project No: 30433 EA No: 2  
 Oracle Project No: 4951  
 Project Manager: CORTEZ, MALCOLM  
 Project Engineer: BONKOWSKI, THOMAS  
 Request Date: June 11, 2014

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
212	50.5	BONDS YET TO BE SOLD**
250	49.5	BONDS YET TO BE SOLD**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$39,700
This Request:	\$285,000
<b>Total EA Requests:</b>	<b>\$324,700</b>
Previously Approved Budget:	\$284,500
Budget Adjustment Requested this EA:	\$40,200
<b>Updated Budget:</b>	<b>\$324,700</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

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	11/13	6/14
ENGINEERING DESIGN - IRWD	1,500	5,000	6,500	1,500	5,000	6,500	11/13	7/14
ENGINEERING DESIGN - OUTSIDE	0	28,000	28,000	0	28,000	28,000	11/13	7/14
DESIGN STAFF FIELD SUPPORT	0	2,500	2,500	0	2,500	2,500	11/13	7/14
ENGINEERING - CA&I IRWD	25,000	0	25,000	15,000	10,000	25,000	3/14	7/14
ENGINEERING - CA&I OUTSIDE	30,000	0	30,000	20,000	10,000	30,000	4/14	7/14
CONSTRUCTION FIELD SUPPORT	2,500	0	2,500	0	2,500	2,500	4/14	7/14
CONSTRUCTION	200,000	0	200,000	0	200,000	200,000	4/14	7/14
LEGAL	0	500	500	0	500	500	11/13	7/14
Contingency - 10.00% Subtotal	\$26,000	\$3,700	\$29,700	\$3,700	\$26,000	\$29,700		
<b>Subtotal (Direct Costs)</b>	<b>\$285,000</b>	<b>\$39,700</b>	<b>\$324,700</b>	<b>\$40,200</b>	<b>\$284,500</b>	<b>\$324,700</b>		
Estimated G/A - 185.00% of direct labor*	\$54,700	\$12,800	\$67,500	\$30,500	\$37,000	\$67,500		
<b>Total</b>	<b>\$339,700</b>	<b>\$52,500</b>	<b>\$392,200</b>	<b>\$70,700</b>	<b>\$321,500</b>	<b>\$392,200</b>		
Direct Labor	\$29,000	\$7,500	\$36,500	\$16,500	\$20,000	\$36,500		

\*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: [Signature] 4/11/14  
 Department Director: [Signature] 6/16/14  
 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 \$401,000. 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.



June 23, 2014

Prepared by: R. Bennett/K. Welch *KW*

Submitted by: F. Sanchez/P. Weghorst *PW*

Approved by: Paul Cook *PC*

## ACTION CALENDAR

### STRAND RANCH WELL OPTIMIZATION AND MONITORING PROJECT BUDGET INCREASE, EXPENDITURE AUTHORIZATION, CHANGE ORDERS AND VARIANCES

#### SUMMARY:

On March 10, 2014, the Board approved the Strand Ranch Well Optimization and Monitoring Project (Project) to lower the pumps and install wellhead monitoring and remote telemetry equipment at six Strand Ranch extraction wells. The Project is currently under construction. In March 2014, the Compromise and Release Agreement between IRWD and Bakersfield Well & Pump (BWP) for the replacement of SREX-4 was executed and BWP is preparing to drill and construct a new SREX-4 well (SREX-4R). Additional budget and Expenditure Authorization are required for change order work and to fund the cost of design, construction and construction management for the reconnection and start up of SREX-4R, as well as to perform work related to lowering of the pump and installation of the wellhead telemetry equipment for the new SREX-4R. Staff recommends the Board:

- Authorize a net increase to the FY 2014-15 Capital Budget in the amount of \$153,100 which includes an increase to Project 11794 in the amount of \$211,500, from \$501,600 to \$713,100, and a decrease for Project 11289 in the amount of \$58,400 from \$17,739,700 to \$17,681,300;
- Approve an Expenditure Authorization for Project 11794 for \$211,500;
- Authorize the General Manager to execute Change Order Nos. 2 and 3 with Bakersfield Well & Pump in the amount of \$106,731 for additional cost of stainless steel couplings, work to lower the pump and install wellhead monitoring equipment on SREX-4R and to start up SREX-4R;
- Authorize the General Manager to execute Variance No. 2 with Kennedy/Jenks Consultants in the amount of \$14,536 to provide additional design services to add SREX-4R replacement well to the Strand Ranch Well Optimization and Monitoring Project and to prepare record drawings; and
- Approve Variance No 1 with Dee Jaspar & Associates in the amount of \$28,630 to provide construction oversight services for the replacement of SREX-4R and for the pump lowering and instrumentation installation work for SREX-4R.

#### BACKGROUND:

On September 30, 2011, IRWD completed construction of the Strand Ranch Recovery Facilities Project including the construction of six new wells and the rehabilitation of one existing well. The seven wells were designed and constructed to provide a total extraction capacity of 36 cfs with the expectation that up to 40 cfs could be recovered on a short-term basis. The well pumps were installed at an elevations based on consideration of the historical range of groundwater levels. The location of the wells is shown in Exhibit "A".

Action Calendar: Strand Ranch Well Optimization and Monitoring Project Budget Increase,  
Expenditure Authorization, Change Orders and Variances

June 23, 2014

Page 2

In April and May 2013, six Strand Ranch wells began pumping groundwater and the seventh well, SREX-4, was not in operation yet due to a construction defect that was being resolved. As a result of the ongoing drought conditions and increased regional pumping, static water levels in the Kern Fan area have significantly declined and have fallen below historic record lows. In March 2014, the Board approved the Project to lower the pumps and install wellhead monitoring and remote telemetry equipment at six of the Strand Ranch wells. The Board authorized a sole source contract with BWP for the construction services for the Project up to \$425,000, contingent upon the execution of the Compromise and Release Agreement (Agreement) for the replacement of SREX-4. The Board also authorized a Professional Services Agreement with DJA for construction management services for the Project. The Agreement was executed on March 13, 2014, and a construction contract for the Project was executed with BWP in the amount of \$425,000.

The Agreement included requirements for BWP to abandon the existing SREX-4, drilling and construction of a replacement well and relocating and constructing pipelines and appurtenances consistent with the original design. It did not include reinstalling the pump, motor and well enclosure or making any electrical connections or wellhead equipment testing. In addition, the agreement did not include a requirement for water quality testing that will be required to discharge water from SREX-4R to the Cross Valley Canal.

Contract Change Order No. 1:

Contract Change Order (CCO) No. 1 in the amount of \$12,349.95 includes the cost of adding enclosures with panel louvers and relays for the telemetry units on the six Strand wells. It also includes additional cost to transport the bowl assemblies for SREX-1, 2 & 6 to BWP's shop to disassemble, inspect and reassemble the equipment. This change order was executed under executive director authority within the existing budget and Expenditure Authorization. However, additional budget for CCO No. 1 is requested in the amount of \$12,349.95 to complete the project.

Contract Change Order No. 2:

CCO No. 2, in the amount of \$6,400, includes the additional cost to provide and install 316 stainless steel couplings on the line shafts of the six wells. CCO No. 2 is attached in Exhibit "B".

Contract Change Order No. 3:

CCO No. 3 includes the work associated with repairing and reinstalling the pump, motor and well enclosure for the new SREX-4R, establishing electrical connections, as well as testing the wellhead equipment and discharge piping. This work was excluded in the Agreement. CCO No. 3 also includes the work to lower the pump, install the instrumentation for SREX-4R, and shop inspection of the SREX-6 motor. BWP's cost for this work is \$100,331. CCO No. 3 is attached in Exhibit "B".

Kennedy/Jenks Consultants Variance:

Kennedy/Jenks Consultants (KJC) completed the design of the facility modifications for the replacement of SREX-4 well. A variance to KJC's professional services agreement is needed to provide additional design services for SREX-4R to lower the pumps and install telemetry equipment, as well as to provide record drawings. KJC's variance request in the amount of \$14,536 is provided as Exhibit "C".

Dee Jaspar & Associates Variance:

Dee Jaspar & Associates (DJA) is providing construction management services for the Project. Staff recommends DJA also perform daily site inspections, safety monitoring, processing requests for information and submittals, preparing field inspection reports and reviewing record drawings for the drilling and replacement of well SREX-4. DJA has submitted a scope of work and budget for this work in the amount of \$21,000. In addition, DJA has submitted a scope of work and budget for the site inspection and construction management services for the lowering of the pump and installation of wellhead monitoring equipment for the new SREX-4R well in the amount of \$7,630. DJA's variance in the amount of \$28,630 is provided as Exhibit "D".

FISCAL IMPACTS:

Projects 11794 (Strand Ranch Facilities) and 11289 (Strand Well Optimization and Monitoring) are included in the Fiscal Year 2014-15 Capital Budget. Staff budgeted \$58,400 for IRWD's share of the SREX-4 replacement work under Project 11289 and requests a budget decrease of \$58,400 for Project 11289 and to reallocate these funds to Project 11794 for this work. Staff requests a budget increase and Expenditure Authorization for Project 11794 in the amount of \$153,100. This amount funds the previous Change Order No. 1 work for \$12,349.95, Change Order No. 2 for \$6,400, Change Order No. 3 for \$100,331, a KJC variance for \$14,536, a DJA variance for \$28,630, and additional staff time, water quality testing and contingency. The budget requests and Expenditure Authorization are shown in the table below and in Exhibit "E".

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
11289	\$17,739,700	<58,400>	\$17,681,300	\$15,357,100	\$0	\$15,357,100
11794	\$501,600	\$211,500	\$713,100	\$501,600	\$211,500	\$713,100

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, Article 19, Section 15302 which provides exemption for replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity. A Notice of Exemption for the project was prepared and filed with the County of Orange and the County of Kern.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on June 17, 2014.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A NET INCREASE TO THE FY 2014-15 CAPITAL BUDGET IN THE AMOUNT OF \$153,100 WHICH INCLUDES AN INCREASE TO PROJECT 11794 IN THE AMOUNT OF \$211,500, FROM \$501,600 TO \$713,100, AND A DECREASE TO PROJECT 11289 IN THE AMOUNT OF \$58,400, FROM \$17,739,700 TO \$17,681,300; APPROVE AN EXPENDITURE AUTHORIZATION FOR PROJECT 11794 FOR \$211,500; AUTHORIZE THE GENERAL MANAGER TO EXECUTE CHANGE ORDER NOS. 2 AND 3 WITH BAKERSFIELD WELL & PUMP IN THE AMOUNT OF \$106,731 FOR ADDITIONAL COST OF STAINLESS STEEL COUPLINGS, WORK AND TO LOWER THE PUMP AND INSTALL WELLHEAD MONITORING EQUIPMENT ON SREX-4R, AND TO START UP SREX-4R; AUTHORIZE THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 2 WITH KENNEDY/JENKS CONSULTANTS IN THE AMOUNT OF \$14,536 FOR ADDITIONAL DESIGN SERVICES TO ADD SREX-4R TO THE STRAND RANCH WELL OPTIMIZATION AND MONITORING PROJECT AND PREPARE RECORD DRAWINGS; AND APPROVE VARIANCE NO 1 WITH DEE JASPAR & ASSOCIATES IN THE AMOUNT OF \$28,630 FOR CONSTRUCTION OVERSIGHT SERVICES FOR THE REPLACEMENT OF SREX-4R AND FOR THE PUMP LOWERING AND INSTRUMENTATION INSTALLATION FOR SREX-4R.

LIST OF EXHIBITS:

- Exhibit "A" – Strand Ranch Well Location Map
- Exhibit "B" – Bakersfield Well & Pump Contract Change Order Nos. 2 and 3
- Exhibit "C" – Kennedy/Jenks Consultants Scope of Work
- Exhibit "D" – Dee Jaspar & Associates Scope of Work
- Exhibit "E" – Expenditure Authorization

# Exhibit "A"



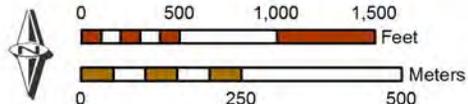
- ### Main Features
- Strand Ranch Recharge Basins
  - Extraction Well
  - Observation Well - Nested
  - Existing Strand Ranch Well
  - Destroyed Strand Ranch Well



Path: N:\MapDocs\Clients\IRWD\Strand Ranch\South Basin Infiltration\20111129\_DetailedWellLocationMap.mxd

Produced by:  
**WILDERMUTH**  
 ENVIRONMENTAL INC.  
 www.wildermuthenvironmental.com

Author: bleever  
 Date: 11/29/2011



067-001  
004

**Detailed Well Location Map**  
 Strand Ranch Integrated Banking Project

**Figure 1**



Exhibit "B"  
**CONTRACT CHANGE ORDER**

IRVINE RANCH WATER DISTRICT  
 15600 Sand Canyon Avenue  
 P. O. Box 57000  
 Irvine, California 92619-7000  
 (949) 453-5300



C.O. No. 2  
 Final  
 Project No. 11794 (5272)

**Strand Ranch Well Optimization and Monitoring Project**

Date: May 27, 2014

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
1. Additional cost to provide & install 316 stainless steel couplings on the lineshafts for well pumps SREX-1, SREX-2, SREX-3, SREX-5, SREX-6, and SREX-7.	\$6,400.00	\$0.00	+0
<b>TOTAL</b>	\$6,400.00	\$0.00	+0

1. NET AMOUNT THIS CHANGE ORDER	=	\$6,400.00	+0
2. ORIGINAL CONTRACT AMOUNT	=	\$425,000.00	140
3. TOTAL PREVIOUS CHANGE ORDER(S)	=	\$12,349.95	+0
4. TOTAL BEFORE THIS CHANGE ORDER (2+3)	=	\$437,349.95	140
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$443,749.95	140

We hereby agree to make the above change subject to the terms of this change order for the contract increase of Six Thousand Four Hundred and 00/100's Dollars.  
The Project Completion Date remains August 27<sup>th</sup>, 2014.

6-13-14  
 Date

BWP  
 Contractor

*[Signature]*  
 By:

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
<i>[Signature]</i> IRWD Engineer or Consulting Engineer	<u>6-13-14</u> Date	Department Director Approval Required General Manager Approval Required Committee Approval Required Board Approval Required
Principal Engineer	Date	
Executive Director of Engineering & Water Quality	Date	
General Manager	Date	
		By _____ Date _____
		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.

**Appendix**  
 Revised 8/10  
 S:\Irvine Ranch Water District\Recovery Facilities Project - CM\Strand Well Optimization (Pump Lowering)\Change Order No. 2.docx

**IRVINE RANCH WATER DISTRICT  
WELL OPTIMIZATION AND MONITORING PROJECT  
CHANGE ORDER NO. 2**

**316 LINESHAFT  
COUPLINGS**

**MAY 2014**



May 27, 2014

Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, Ca. 92618

Attn: Ray Bennett  
Re: Strand Ranch Optimization & Monitoring Project  
Change Order Request

Per our telephone conference of this morning and as requested by Irvine Ranch Water District, please find listed below the additional cost for us to provide and install the 316 stainless steel grade line shaft couplings in each of Wells SREX-1, SREX-2, SREX-3, SREX-5, SREX-6 & SREX-7.

50 total	1-15/16" - 316ss threaded line shaft couplings	\$128.00 ea	\$6,400.00
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Feel free to call me if you have any questions regarding this request.

Sincerely,

Oscar Macias  
Sales Mgr.

Exhibit "B"

CONTRACT CHANGE ORDER

IRVINE RANCH WATER DISTRICT  
 15600 Sand Canyon Avenue  
 P. O. Box 57000  
 Irvine, California 92619-7000  
 (949) 453-5300



C.O. No. 3  
 Final

Project No. 11794 (5272)

**Strand Ranch Well Optimization and Monitoring Project**

Date: May 27, 2014

Project Title

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
1. Retrieve pump & motor, column, tube, and shaft from SA Camp and perform pump inspection. Furnish and install new 416 Flowsolve wear rings and provide written report of pump inspection.	\$11,788.00	\$0.00	+0
2. Install pump & motor, suction pipe, column, tube, & shaft in the SREX-4R well and install well enclosure hut.	\$6,000.00	\$0.00	+0
3. Disconnect and remove all existing wire between MCC and existing pump, motor, and instrumentation. Perform all terminations and install necessary fittings and lugs for electrical wiring to SREX-4R motor, RTD's, heater, and instrumentation.	\$8,100.00	\$0.00	+0
4. Perform cleaning and touch-up painting on pump discharge head, motor, and well enclosure after complete installation.	\$3,566.00	\$0.00	+0
5. Excavate and install valve, tee, and piping as necessary to flush the SREX-4 piping and perform required testing. Upon completion of work, remove piping, valve, and tee and blindflange, film wrap, backfill, compact, and fine grade the area.	\$5,408.00	\$0.00	+0
6. Perform 8-hour pump test for SREX-4R and a 72-hour operational test for SREX-3 and 4R.	\$1,800.00	\$0.00	+0
7. Furnish and install all equipment and accessories required for lowering the SREX-4R pump setting 175-ft, including but not limited to additional column pipe, line shaft assemblies, bearings, 316 S.S. couplings, and stabilizers. Make adjustments as required to maintain vertical alignment of assembly. Adjust pump impellers in existing bowls as required to maintain manufacturer recommended clearance.	\$31,419.00	\$0.00	+0
8. Furnish and install Remote Monitoring and Instrumentation Improvements for SREX-4R with NEMA 1 enclosure, panel louvers, and interposing relays.	\$31,500.00	\$0.00	+0
9. Additional cost for the shop inspection of the SREX-6 motor.	\$750.00	\$0.00	+0
<b>TOTAL</b>	<b>\$100,331.00</b>	<b>\$0.00</b>	<b>+0</b>

DAYS ±

1. NET AMOUNT THIS CHANGE ORDER	=	\$100,331.00	+0
2. ORIGINAL CONTRACT AMOUNT	=	\$425,000.00	140

**Appendix**

Revised 8/10

S:\Irvine Ranch Water District\Recovery Facilities Project - CW\Strand Well Optimization (Pump Lowering)\Change Orders\Change Order No. 3 (Rev).docx

Exhibit "B"

3. TOTAL PREVIOUS CHANGE ORDER(S)	=	\$18,749.95	+0
4. TOTAL BEFORE THIS CHANGE ORDER (2+ 3)	=	\$443,749.95	140
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$544,080.95	140

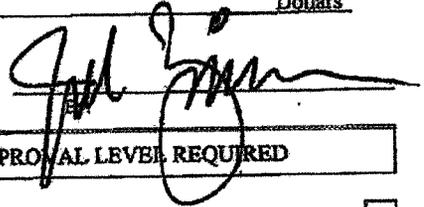
We hereby agree to make the above change subject to the terms of this change order for the contract increase of \_\_\_\_\_ Dollars

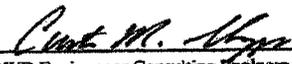
One Hundred Thousand Three Hundred and Thirty-One and 00/100's

The Project Completion Date remains August 27<sup>th</sup>, 2014.

6-13-14  
Date

Bakerstold Well & Pump  
Contractor



SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
 IRWD Engineer or Consulting Engineer	6-13-14 Date	Department Director Approval Required <input type="checkbox"/>
Principal Engineer	Date	General Manager Approval Required <input type="checkbox"/>
Executive Director of Engineering & Water Quality	Date	Committee Approval Required <input type="checkbox"/>
General Manager	Date	Board Approval Required <input type="checkbox"/>
		By _____ Date _____
		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.

**Appendix**

Revised 8/10

S:\Irvine Ranch Water District\Recovery Facilities Project - CM\Strand Well Optimization (Pump

Lowering)\Change Orders\Change Order No. 3 (Rev) .docx

Exhibit "B"

SCHEDULE OF WORK ITEMS

STRAND RANCH  
WELL OPTIMIZATION AND MONITORING PROJECT  
PROJECT NO. 11794 (5272)

ITEM NO.	DESCRIPTION	UNIT PRICE	TOTAL AMOUNT
1	Retrieve pump & motor, column, tube, and shaft from SA Camp and perform pump inspection. Furnish and install new 416 flowserve wear rings and provide written report of pump inspection.	\$11,788	\$11,788
2	Install pump & motor, suction pipe, column, tube, & shaft in the SREX-4R well and install well enclosure hut.	\$6,000	\$6,000
3	Disconnect and remove all existing wire between MCC and existing pump, motor, and instrumentation. Perform all terminations and install necessary fittings and tags for electrical wiring to SREX-4R motor, RTD's, heater, and instrumentation.	\$8,100	\$8,100
4	Perform cleaning and touch-up painting on pump discharge head, motor, and well enclosure after complete installation.	\$3,566	\$3,566
5	Excavate and install valve, tee, and piping as necessary to flush the SREX-4 piping and perform required testing. Upon completion of work, remove piping, valve, and tee and weld flange, film wrap, backfill, compact, and final grade the area.	\$5,408	\$5,408
6	Perform 8-hour pump test for SREX-4R and a 72-hour operational test for SREX-5 and 4R.	\$1,800	\$1,800
7	Furnish and install all equipment and accessories required for lowering the SREX-4R pump setting 1.75-ft, including but not limited to additional column pipe, line shaft assemblies, bearings, 316 S.S. couplings, and stabilizers. Make adjustments as required to maintain vertical alignment of assembly. Adjust pump impellers in existing bowls as required to maintain manufacturer recommended clearance.	\$31,419	\$31,419
8	Furnish and install Remote Monitoring and Instrumentation Improvements for SREX-4R with NEMA 1 enclosure, panel louvers, and interposing relays.	\$31,500	\$31,500
Total SREX-4R Improvements:			

*John [Signature]* 6-12-14 \$99,580

## EXHIBIT "C"

### **Kennedy/Jenks Consultants** **Engineers & Scientists**

200 New Stine Road, Suite 205  
Bakersfield, California 93309-2663  
661-835-9785  
FAX: 661-831-5196

11 June 2014

Mr. Ray Bennett  
Project Manager  
Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, CA 92619

**Subject: Variance 2 - Add SREX-4R Replacement Wellhead Facility to the Strand Ranch Well Optimization and Monitoring Project and Prepare Record Drawings**

Dear Mr. Bennett:

We are pleased to submit our proposal to design modifications to the SREX-4R wellhead facilities to include this well into the Strand Ranch Well Pump Setting Optimization and Monitoring Project, as requested by IRWD. This proposal includes scope, schedule and fee.

### **Project Background**

It is our understanding that Bakersfield Well and Pump (BWP) are constructing SREX-4R as a replacement well for SREX-4, but their scope does not include lowering the pump below the original pump setting or installing remote monitoring improvements. Based on discussions with IRWD, design documents are needed for BWP to lower the pump setting in SREX-4R to accommodate the lowest potential water levels and to provide remote monitoring improvements, consistent with modifications being made at the other six Strand Ranch Recovery Wells. Design documents will include modifications to the design plans and an addendum to the Project Manual. An estimate of probable construction cost will not be required.

Since the final design will be based on the results of drilling, coordination with the Project Hydrogeologists will be required, along with updates to supporting hydraulic analysis to verify the pump setting recommendation for SREX-4R (as provided in the 3 March 2014 Technical Memorandum prepared by Kennedy/Jenks for the Strand Ranch Well Pump Setting Optimization and Monitoring Project). Since this is a replacement well, we assume that well construction for SREX-4R will be the same as the original well SREX-4, including the screened interval, blank casing section (for lower pump setting), and camera tube (for level transducer).

IRWD has requested that Record Drawings for the construction of SREX-4R be included in this scope of work and incorporated into the Record Drawings for the Well Optimization and Monitoring Project.

Mr. Ray Bennett  
Project Manager  
Irvine Ranch Water District  
11 June 2014  
Page 2

## Scope of Work

The scope of work will be included as Task 6 under the Strand Ranch Well Pump Setting Optimization and Wellhead Telemetry project with the following three subtasks:

### Subtask 1 – Coordination with Project Hydrogeologists' and Update of Hydraulic Analysis for SREX-4R

This task includes the following activities:

- Coordination with the Project Hydrogeologist during drilling, including review of well construction specifications, results of pump tests, and updates to lowest pumping level for SREX-4R. We assume the Project Hydrogeologist will develop the well construction specifications and verify the lowest pumping level for SREX-4R. We assume one conference call with IRWD and the Project Hydrogeologist will be sufficient to coordinate this effort.
- Hydraulic analysis to confirm the estimated flows using the existing pump in SREX-4R at the lower pump setting, at two operating levels (i.e., at the top of screen and at the lowest potential pumping level). We assume that the well/aquifer yield for SREX-4R will be confirmed by the Project Hydrogeologist. We assume one conference call with IRWD will be sufficient to review the hydraulic analysis.

Deliverables:

- Supplement to 3 March 2014 Technical Memorandum with Updated Hydraulic Calculations for SREX-4R.

### Subtask 2 – Modify Design Plans and Prepare Change Order to Project Manual to Incorporate SREX-4R into the Strand Ranch Well Optimization and Monitoring Project Design Documents

We will modify the March 2014 Final Design Plans for the Strand Ranch Well Optimization and Monitoring Project, as follows:

- G-1 Title Sheet – Revise Sheet Index to include new Electrical Site Plan for SREX-4R (E-4A).
- G-3 Well Location Map, Contractor Work Limits, and General Notes – Revise sheet to include new Work Limits for SREX-4R, location of SREX-4R, and add a general note stating that the Drawings are based on final design and do not reflect changes made during construction (e.g., delete panel intrusion switches).
- M-1 Well Discharge Plan/Section – Modify pump setting table with SREX-4R well construction data, lower pump setting, and associated pump data for SREX-4; modify Construction Note 1 to include SREX-4R.
- M-3 Details – Add water level transducer setting for Well SREX-4R.
- E-2 – MCC/Switchboard Elevation – Modify Construction Note 1 to reference SREX-4R.

## Exhibit "C"

**Kennedy/Jenks Consultants**

Mr. Ray Bennett  
Project Manager  
Irvine Ranch Water District  
11 June 2014  
Page 3

- E-4A Electric Site Plans – Add new sheet for the SREX-4R electrical site plan to show remote monitoring improvements, layout of conduit and wiring to tie-in instruments, and associated construction notes. We will use the relocation plan for SREX-4R as the base map for the electrical site plan.
- E-7 Electrical Diagram – Add reference to drawing E-4A to detail 3.

We will provide IRWD with a complete set of plans, that includes all 13 sheets in the March 2014 Final Design Plans, plus the new sheet for E-4A. Modifications will be shown as a "revision cloud" on the plans listed above with a note in the drawing Revision Block to indicate the revision as "Addition of SREX-4R." The other plans without revisions are included for reference only.

We will prepare a Change Order to the March 2014 Strand Ranch Well Optimization and Monitoring Project Manual to incorporate lowering the pump and constructing remote monitoring improvements at SREX-4R. We assume the format for the Change Order will be similar to a specification modification with a list of modifications. We assume the Change Order will include revisions to the following sections of the Project Manual:

- Bid Documents – Schedule of Work
- Special Provisions Section 00200 - The Work
- Special Provisions Section 00400 – Shop Drawings
- Technical Specifications Section 01840 - Basis of Measurement and Payment
- Technical Specifications Section 11215 – Vertical Turbine Pumps, Lineshaft and Column Pipe
- Technical Specifications Section 17423 – Wireless Remote Monitoring System

An estimate of probable construction cost is not included in the scope of work.

We will prepare a draft set of revised plans and the Change Order to the Project Manual for IRWD review. We assume IRWD will provide written comments as markups on the draft. We assume one conference call with IRWD to discuss the comments and confirm responses. We will incorporate IRWD comments and submit a final set of plans and the Change Order to the Project Manual. We assume IRWD will issue the final design documents to the Contractor.

Deliverables:

- Draft Plans (11x17, PDF)
- Final Plans (11x17 PDF, AutoCAD Files on CD)
- Draft and Final Change Order to Project Manual (PDF)

Subtask 3 – Prepare Record Drawings for SREX-4R.

## Exhibit "C"

**Kennedy/Jenks Consultants**

Mr. Ray Bennett  
Project Manager  
Irvine Ranch Water District  
11 June 2014  
Page 4

The purpose of this Task is to prepare Record Drawings for the construction of facilities at SREX-4R and to incorporate them into the Record Drawings for the Strand Ranch Well Optimization and Wellhead Telemetry project. The scope is based on the plan set issued in October 2013 under Project 11289-A (5625) for the Replacement of SREX-4. We assume that the following record drawings will be prepared:

- C-2, Well Site Plan
- M-1, Well Relocation Plan and Section
- M-1A, Well Demolition and Salvage Plan and Section
- P-3, Well 4 Pipeline Plan
- E-4A, Electrical Site Plan

We assume that the other drawings in the October 2013 plan set were only used by the BWP for reference and will not require record drawings.

We will prepare draft record drawings based on markups provided by IRWD, BWP and Dee Jaspar and Associates. We assume IRWD will provide final markups as redlines on the draft. We will submit the final record drawings incorporating comments from IRWD as part of the record drawings for the Strand Ranch Well Optimization and Wellhead Telemetry project.

Deliverables:

- Draft Record Drawings (11x17, PDF)
- Final Record Drawings (11x17 PDF, AutoCAD Files on CD)

### Subtask 4 – Construction Phase Services

The following scope of work is added:

- Submittal Reviews – assume 2 submittals will be required (one for mechanical and one for electrical) for SREX-4R. Since BWP is already performing this work for the other 6 Strand Ranch recovery wells, we assume these submittals will be the same parts and materials as those approved under the Strand Ranch Well Optimization and Wellhead Telemetry project, except for quantities.

No other construction services will be required.

## Project Schedule

The schedule for Subtask 1 will be coordinated with IRWD and BWP during construction of the well as required. Once well construction and pump testing are complete and we have received results to be used as a basis for preparation of plans, we propose the following schedule:

Mr. Ray Bennett  
Project Manager  
Irvine Ranch Water District  
11 June 2014  
Page 5

- Submit supplement to 3 March 2014 Technical Memorandum within 2 weeks, for review and approval by IRWD
- Submit draft plans and Project Manual Addendum with 4 weeks of approval by IRWD of supplement to Technical Memorandum
- Submit final plans and Project Manual Addendum within 2 weeks of receipt of comments from IRWD
- Submit draft record drawings within 4 weeks of receipt of redline markups from IRWD
- Submit final record drawings within 2 weeks of receipt of redline markups from IRWD on the draft record drawings

## **Budget Request for Variance 2**

The budget request for Variance 2 is \$14,536. We have attached the IRWD Variance form and supporting cost breakdown for your consideration. If you have any questions or comments, please feel free to contact me at (661) 835-9785, ext 11, or Brent Payne at (949) 567-2107.

We appreciate the opportunity to support IRWD in this work effort.

Very truly yours,

KENNEDY/JENKS CONSULTANTS



Pat Ostly, P.E.  
Principal in Charge

Enclosure

cc: Kellie Welch, IRWD  
Brent Payne, Kennedy/Jenks

**IRVINE RANCH WATER DISTRICT  
PROFESSIONAL SERVICES VARIANCE**

Project Title: Strand Ranch Well Optimization File No.: \_\_\_\_\_  
And Monitoring Project Date: 11 June 2014  
 Variance No.: 2

Project No.: 11298 (2812)  
 Purchase Order No.: 516430  
 Originator:  IRWD  ENGINEER/CONSULTANT  Other (Explain) \_\_\_\_\_

Description of Variance (attach any back-up material):

Changes in Scope of Design Services – Various Items

Engineering & Management Cost Impact:

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
See Attached						
<b>Total \$ =</b>						<b>14,536</b>

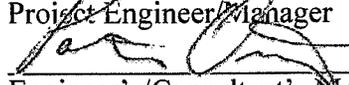
Schedule Impact: No Change

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
Add Task 6	SREX-4R		No Change	

Required Approval Determination:

Total Original Contract	<u>\$ 70,827</u>	<input type="checkbox"/> General Manager: Single Variance less than or equal to \$30,000. <input checked="" type="checkbox"/> Committee: Single Variance greater than \$30,000, and less than or equal to \$60,000. <input type="checkbox"/> Board: Single Variance greater than \$60,000. <input type="checkbox"/> Board: Cumulative total of Variances greater than \$60,000, or 30% of the original contract, whichever is higher.
Previous Variances	\$ <u>18,171</u>	
This Variance	\$ <u>14,536</u>	
Total Sum of Variances	\$ <u>32,707</u>	
New Contract Amount	\$ <u>103,534</u>	
Percentage of Total Variances to Original Contract	<u>46 %</u>	

ENGINEER/CONSULTANT:

  
 \_\_\_\_\_  
 Project Engineer/Manager Date 6/11/14  
  
 \_\_\_\_\_  
 Engineer's/Consultant's Management Date 6/11/14

IRVINE RANCH WATER DISTRICT

\_\_\_\_\_  
 Department Director Date  
 \_\_\_\_\_  
 General Manager/Comm./Board Date

Exhibit "C"

Proposal Fee Estimate

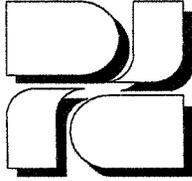
Kennedy/Jenks Consultants

CLIENT Name: Irvine Ranch Water District  
 PROJECT Description: Strand Ranch - Add SREX-4R to Well Optimization and Monitoring Project and Prepare Record Drawings  
 Proposal/Job Number: \_\_\_\_\_ Date: 6/11/2014

January 1, 2010 Rates	Eng-Sci-8 Pat Ostly	Eng-Sci-8 Brent Payne	Eng-Sci-8 Tony Wakim	Eng-Sci-7 Alex Peterson	Eng-Sci-6 Ken Wong	Eng-Sci-5 Ray Lyons	Eng-Sci-4 Josh De La Cruz	Eng-Sci-2	CAD	Admin. Assist.	Alide	Total	KJ Labor	KJ ODCs	KJ ODCs Markup	Total Labor	Total Subs	Total Expenses	Total Labor + Subs + Expenses
Hourly Rate:	\$236	\$236	\$236	\$210	\$189	\$168	\$162	\$121	\$128	\$74	\$68	Hours	Fees	Fees	10%				Fees
Subtask 1 - Coordination with Hydrogeologists and Update Hydraulic Analysis	2	8				8						18	\$3,704		\$0	\$3,704	\$0	\$0	\$3,704
Subtask 2 - Modify Design Plans and Prepare Addendum to Project Manual	2	4	2			8	6		16	2		40	\$6,308	\$100	\$10	\$6,308	\$0	\$110	\$6,418
Subtask 3 - Prepare Record Drawings for SREX-4R		2				4			16			22	\$3,160	\$100	\$10	\$3,160	\$0	\$110	\$3,270
Subtask 4 - Construction Phase Services		2				4						6	\$1,144		\$0	\$1,144	\$0	\$0	\$1,144
												0	\$0		\$0	\$0	\$0	\$0	\$0
<b>Subtotal</b>	4	16	2	0	0	24	6	0	32	2	0	86	\$14,316	\$200	\$20	\$14,316	\$0	\$220	\$14,536
<b>All Tasks Total</b>	4	16	2	0	0	24	6	0	32	2	0	86	\$14,316	\$200	\$20	\$14,316	\$0	\$220	\$14,536



**EXHIBIT "D"**



**DEE JASPAR & ASSOCIATES, INC.**  
 Consulting Civil Engineers  
 2730 UNICORN ROAD, BLDG A  
 BAKERSFIELD, CA 93308  
 (661)393-4796  
 FAX (661)393-4799

<b>LETTER OF TRANSMITTAL</b>
------------------------------

Date:	June 9, 2014
Attention:	Kellie Welch

To: Irvine Ranch Water District	Re: Strand Well Optimization and Monitoring Project
15600 Sand Canyon Avenue	PR 11794 (5272)
Irvine, Ca 92618	

**WE ARE SENDING YOU**

Attached Under separate cover via \_\_\_\_\_ the following items:  
 Shop drawings                      Prints                      Plans                      Specifications  
 Copy of letter                      Samples                      Change Order

COPIES	DATE	NO.	DESCRIPTION
1	6/9/14		Contract Variance

THESE ARE TRANSMITTED as checked below:  
 For approval                      Approved as submitted                      Resubmit \_\_\_\_\_ copies for approval  
 For your use                      Approved as noted                      Submit \_\_\_\_\_ copies for distribution  
 As requested                      Returned for corrections                      Return \_\_\_\_\_ corrected prints  
 For review and comment                      Other: \_\_\_\_\_  
 FOR BIDS DUE \_\_\_\_\_                      PRINTS RETURNED AFTER LOAN TO US

**REMARKS:** \_\_\_\_\_

COPY TO: \_\_\_\_\_ SIGNED: Carl M. [Signature]

*If enclosures are not as noted, kindly notify us at once.*

Exhibit "D"  
**IRVINE RANCH WATER DISTRICT**  
**PROFESSIONAL SERVICES VARIANCE**

Project Title: Strand Ranch File No.: \_\_\_\_\_  
Well Optimization and Monitoring Project Date: June 9, 2014  
 Variance No.: \_\_\_\_\_  
 Project No.: 11794 Project No. \_\_\_\_\_  
 Purchase Order No.: 518948

Originator:  IRWD  ENGINEER/CONSULTANT  Other (Explain) \_\_\_\_\_

Description of Variance (*attach any back-up material*):  
Additional work related to the construction oversight of equipping the replacement of SREX-4 and also the  
construction inspection for adding telemetry and instrumentation.

**Engineering & Management Cost Impact:**

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
SREX-4 Replacement Project Oversight	150.00					\$21,000.00
SREX-4 Pump Lowering & Instrumentation	54.50					\$ 7,630.00
<b>Total \$ =</b>						<b>\$28,630.00</b>

**Schedule Impact:**

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
1	Construction Inspection	N/A	N/A	N/A

**Required Approval Determination:**

Total Original Contract	\$ <u>43,520.00</u>	<input type="checkbox"/> General Manager: Single Variance less than or equal to \$30,000. <input type="checkbox"/> Committee: Single Variance greater than \$30,000, and less than or equal to \$60,000. <input type="checkbox"/> Board: Single Variance greater than \$60,000. <input type="checkbox"/> Board: Cumulative total of Variances greater than \$60,000, or 30% of the original contract, whichever is higher.
Previous Variances \$	<u>0.00</u>	
This Variance	\$ <u>28,630.00</u>	
Total Sum of Variances	\$ <u>28,630.00</u>	
New Contract Amount	\$ <u>72,150.00</u>	
Percentage of Total Variances to Original Contract	<u>65.80%</u>	

ENGINEER/CONSULTANT: Dee Jaspar & Associates, Inc IRVINE RANCH WATER DISTRICT  
 Company Name

Carl M. Meyer 6/9/14 \_\_\_\_\_  
 Project Engineer/Manager Date Department Director Date  
Dee Jaspar & Associates, Inc 6-9-14 \_\_\_\_\_  
 Engineer's/Consultant's Management Date General Manager/Comm./Board Date

Irvine Ranch Water District  
 Strand Ranch Recovery Facilities  
 SREX-4 Replacement Well - Phase II  
 Construction Management Services Estimate June 6, 2014

	Principal Engineer	Registered Engineer / Project Manager	Staff Engineer	Surveyor	Survey Crew	Draftsman	Secretary	Miscellaneous	Compaction & Concrete Testing	Total
Scope of Work	Estimated Time (hrs)	Estimated Time (hrs)	Estimated Time (hrs)	Estimated Time (hrs)	Estimated Time (hrs)	Estimated Time (hrs)	Estimated Time (hrs)	Estimated Cost (\$)	Estimated Cost (\$)	Total
<b>A. Project Meetings / Plan Reviews / Correspondence</b>		10	8							\$2,280
Project meetings		10	4							\$1,840
Project correspondence										
<b>B. Well Equipping &amp; Relocation</b>										
Perform daily site inspections, safety monitoring, project coordination, construction schedule monitoring, construction quality control for pipeline coatings, installation of pipelines and appurtenances, reinforcement steel placement, concrete placement, electrical and grounding inspections, and final inspections/commissioning. Field testing work to include compaction testing for concrete structure subgrades and conduit trench sections, concrete sampling for air content, temperature, and slump, and laboratory testing for concrete compressive strength and soil properties.		12	80					\$1,920		\$12,400
<b>C. Well Start-Up &amp; Testing</b>										
Perform inspection and monitoring of the well start-up and testing. Coordinate start-up, perform pump and motor testing, and oversee operational testing.		6	20							\$3,040
<b>D. Project Closeout</b>										
Review the prepared as-bills and coordinate corrections with Contractor, submit to IRWD for review and comment. Assemble daily Field Reports, coordinate final inspection, punch lists and acceptance. Provide general assistance to IRWD to coordinate and resolve field changes and other minor issues.		4	8							\$1,440
<b>Subtotal: Construction management and inspection services.</b>	0	42	120	0	0	0	0	\$0	\$1,920	\$21,000
<b>Total Hours Estimated:</b>	0	42	120	0	0	0	0	\$0	\$1,920	\$21,000
<b>Total Engineering Estimate:</b>	\$0	\$5,880	\$13,200	\$0	\$0	\$0	\$0	\$0	\$1,920	\$21,000

Exhibit "D"

Dee Jaspar Associates, Inc.  
 Consulting Civil Engineers

Irvine Ranch Water District Well Optimization and Monitoring Project Construction Administration Services for SREX-4									
	Principal Engineer	Registered Engineer	Staff Engineer	Surveyor	Survey Crew	Craftsperson	Secretary	Miscellaneous	Total
	Estimated Time (hrs)	Estimated Cost (\$)	Total						
<b>Task 1: Project Management</b>									
Project correspondence and change order work		8	2						\$1,340
<b>Task 2: Construction Inspection</b>									
Daily Site Inspection and Monitoring for SREX-4. Estimate 15 hrs inspection per well (3 days).			15						\$1,650
Daily Site Inspection and Monitoring for Remote Monitoring & Instrumentation. Estimate 4 days per site at 4 hrs per day.			16						\$1,760
Final Inspection, Punchlist Preparation, and Verification		4	12						\$1,880
<b>Task 3: Construction Administration and Project Close-out</b>									
Record Documents, Prepare Substantial Completion Certification, Review O&M Manuals.		4	4						\$1,000
<b>Total Hours Estimated:</b>	0	16	49	0	0	0	0	\$0	\$7,630
<b>Total Engineering Estimate:</b>	\$0	\$2,240	\$5,390	\$0	\$0	\$0	\$0	\$0	\$7,630

D-4

Exhibit "D"

Table 1

# IRVINE RANCH WATER DIST

## Expenditure Authorization

# EXHIBIT "E"

**Project Name:** STRAND RANCH WELL SETTING OPTIMIZATION/MONITORING

**EPMS Project No:** 11794 **EA No:** 2

**ID Split:** Regional Water Split with LAWD (11/08)

**Oracle Project No:** 5272

### Improvement District (ID) Allocations

**Project Manager:** WEGHORST, PAUL

ID No.	Allocation %	Source of Funds
112	3.6	BONDS YET TO BE SOLD**
113	4.4	BONDS YET TO BE SOLD**
115	6.2	CAPITAL FUND
121	12.8	BONDS YET TO BE SOLD**
130	10.0	BONDS YET TO BE SOLD**
135	16.2	PREVIOUSLY SOLD BONDS
140	3.5	BONDS YET TO BE SOLD**
150	26.1	BONDS YET TO BE SOLD**
153	2.9	BONDS YET TO BE SOLD**
154	1.2	BONDS YET TO BE SOLD**
161	6.7	BONDS YET TO BE SOLD**
182	2.5	BONDS YET TO BE SOLD**
184	2.3	BONDS YET TO BE SOLD**
186	.8	BONDS YET TO BE SOLD**
188	.8	BONDS YET TO BE SOLD**
<b>Total</b>	<b>100.0%</b>	

**Project Engineer:** BENNETT, RAY

**Request Date:** June 13, 2014

### Summary of Direct Cost Authorizations

<b>Previously Approved EA Requests:</b>	\$501,600
<b>This Request:</b>	\$211,500
<b>Total EA Requests:</b>	\$713,100
<b>Previously Approved Budget:</b>	\$501,600
<b>Budget Adjustment Requested this EA:</b>	\$211,500
<b>Updated Budget:</b>	\$713,100
<b>Budget Remaining After This EA</b>	\$0

**Comments:**

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - CA&I IRWD	30,000	18,000	48,000	30,000	18,000	48,000	3/14	9/14
ENGINEERING - CA&I OUTSIDE	43,200	45,000	88,200	43,200	45,000	88,200	3/14	9/14
CONSTRUCTION	119,100	388,000	507,100	119,100	388,000	507,100	3/14	9/14
LEGAL	0	5,000	5,000	0	5,000	5,000	3/14	9/14
Contingency - 10.00% Subtotal	\$19,200	\$45,600	\$64,800	\$19,200	\$45,600	\$64,800		
<b>Subtotal (Direct Costs)</b>	<b>\$211,500</b>	<b>\$501,600</b>	<b>\$713,100</b>	<b>\$211,500</b>	<b>\$501,600</b>	<b>\$713,100</b>		
Estimated G/A - 185.00% of direct labor*	\$58,200	\$30,600	\$88,800	\$55,500	\$33,300	\$88,800		
<b>Total</b>	<b>\$269,700</b>	<b>\$532,200</b>	<b>\$801,900</b>	<b>\$267,000</b>	<b>\$534,900</b>	<b>\$801,900</b>		
Direct Labor	\$30,000	\$18,000	\$48,000	\$30,000	\$18,000	\$48,000		

\*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:** \_\_\_\_\_

**Department Director:** \_\_\_\_\_

**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 \$818,000. 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.

