

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

June 25, 2012

PLEDGE OF ALLEGIANCE

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

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

NOTICE

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

COMMUNICATIONS TO THE BOARD

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

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

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

PUBLIC HEARING

Next Resolution No. 2012-26

3. **PROPOSED CHANGES TO THE SCHEDULE OF RATES AND CHARGES
EFFECTIVE JULY 1, 2012**

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 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. 2012-

CONSENT CALENDAR	Next Resolution No. 2012-26	Items 4-13
4. <u>MINUTES OF REGULAR BOARD MEETINGS</u>	Recommendation: That the minutes of the June 11, 2012 Regular Board Meeting be approved as presented.	
5. <u>RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS</u>	Recommendation: That the Board ratify/approve the meetings and events for Steven LaMar, Mary Aileen Matheis, and Peer Swan.	
6. <u>RESOLUTION OF COMMENDATION FOR IRAJ TAHERI</u>	Recommendation: That the Board adopt a resolution commending Iraj Taheri for his dedicated and loyal service to the District.	Reso. No. 2012-
7. <u>JOINT RESOLUTION COMMENDING JOHN J. SCHATZ FOR 18 YEARS AS GENERAL MANAGER FOR THE SANTA MARGARITA WATER DISTRICT</u>	Recommendation: That the Board adopt a resolution commending John J. Schatz for 18 years as General Manager for the Santa Margarita Water District.	Reso No. 2012-
8. <u>MAY 2012 FINANCIAL REPORTS</u>	Recommendation: That the Board receive and file the Treasurer's Investment Summary Report and the Monthly Interest Rate Swap Summary for May 2012; approve the May 2012 Summary of Payroll ACH Payments in the total amount of \$1,365,196.29, and approve the May 2012 Accounts Payable Disbursement Summary of Warrants Nos. 329643 through 330490, Workers' Compensation Distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$20,113,174.92.	
9. <u>DISTRICT STRATEGIC MEASURES DASHBOARDS</u>	Recommendation: That the Board receive and file the Strategic Measures Dashboards and Information items.	
10. <u>WASTEWATER OPERATIONS FISCAL YEAR 2012-13 EXPENDITURE AUTHORIZATIONS</u>	Recommendation: That the Board approve Expenditure Authorizations for project 11513 (1625) for \$275,000; project 21513 (1251) for \$165,000; project 31513 (1364) for \$220,000; project 20957 (1221) for \$275,000; project 20910 (1149) for \$222,200; project 21004 (1265) for \$110,000 and project 21037 (1318) for \$70,400.	

CONSENT CALENDAR	Next Resolution No. 2012-26	Items 4-13
<p>11. <u>FISCAL YEAR 2012-13 EXPENDITURE AUTHORIZATIONS</u></p> <p>Recommendation: That the Board approve Expenditure Authorizations for FY 2012-13 for \$71,500 for project 1767, Engineering Planning Study Reserve; \$1,673,000 for project 1541, OCSD CORF; \$1,150,000 for project 1393, OCSD Solids Handling; \$250,000 for project 3731, Recycled Conversions On-site; \$145,800 for project 3732, Recycled Conversions Off-site; and \$77,000 for project 3778, Health Department Fees.</p> <p>12. <u>PROPOSITION 50 GRANT APPLICATION FOR WELL 115 REPLACEMENT PROJECT</u></p> <p>Recommendation: That the Board authorize a grant application for Well 115 Replacement Project for funding up to \$1.9 million and agree to grant application requirements including a matching fund requirement of at least 50 percent, and adopt a Resolution authorizing submission of an application for Proposition 50 funding and authorize the General Manager to sign and file an application with the State of California.</p> <p>13. <u>MWRP BIOSOLIDS HANDLING AND ENERGY RECOVERY FACILITIES VARIANCE NO. 11</u></p> <p>Recommendation: That the Board approve Variance No. 11 in the amount of \$120,760 with Black & Veatch for the Michelson Water Recycling Plant biosolids Handling and Energy Recovery Facility, project 20847 (1617).</p>	<p>Reso. No. 2012-</p>	
<p>ACTION CALENDAR</p>		
<p>14. <u>SETTING CONNECTION FEES AND PROPERTY TAX RATES FOR FISCAL YEAR 2012-13</u></p> <p>Recommendation: That the Board approve a 7.5% increase in connection fees and adopt the following resolutions: 1) Adopting changes to connection fees as set forth in the Schedule of Rates and Charges in Exhibit "B" to the Rules and Regulations of Irvine Ranch Water District for Water, Sewer, Recycled Water and Natural Treatment System Service; and 2) Establishing Ad Valorem tax revenues for Fiscal Year 2012-13.</p>		<p>Reso No. 2012-</p> <p>Reso No. 2012-</p>

ACTION CALENDAR - Continued

15. WATER QUALITY FISCAL YEAR 2012-13 EXPENDITURE AUTHORIZATIONS

Recommendation: That the Board approve Expenditure Authorizations for project 11638 (3721) for \$107,300 and project 30375 (3730) for \$93,500.

16. WATER OPERATIONS FISCAL YEAR 2012-13 EXPENDITURE AUTHORIZATIONS

Recommendation: That the Board approve Expenditure Authorizations for project 10389 (1195) for \$405,700; project 11493 (1496) for \$293,700; project 11489 (1486) for \$650,100; project 31489 (1304) for \$206,800; project 21088 (1627) for \$200,200; project 11488 (1674) for \$203,500; project 11486 (1656) for \$170,500; project 31486 (1268) for \$170,500; project 11487 (1667) for \$91,700, project 31487 (1276) for \$120,500 and project 11485 (1646) for \$135,300.

17. MWRP PHASE 2 EXPANSION CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES VARIANCE NO. 3

Recommendation: That the Board authorize the General Manager to execute Variance No. 3 in the amount of \$317,569 with Arcadis-US/Malcolm Pirnie for additional construction management and inspection services for the Michelson Water Recycling Plant Phase 2 Expansion and Flood Protection Improvements, projects 20214 (1599) and 30214 (1706).

18. SANTIAGO CANYON AREA BOOSTER PUMP STATIONS PERMANENT GENERATORS EXPENDITURE AUTHORIZATION AND CONSTRUCTION AWARD

Recommendation: That the Board approve an Expenditure Authorization in the amount of \$1,306,700 for project 11476 (1570); approve an Expenditure Authorization in the amount of \$101,800 for project 11480 (1602); approve an Expenditure Authorization in the amount of \$96,300 for project 11481 (1612); consent to relieve F.T. Ziebarth Company of its bid due to mistake; authorize the General Manager to execute a contract with Pacific Hydrotech in the amount of \$1,314,500; and authorize the General Manager to execute Variance No. 4 with Psomas for the Santiago Canyon Area Booster Pump Stations Emergency Generators project.

ACTION CALENDAR - Continued

19. MULTI-FAMILY DWELLING AND COMMERCIAL PLUMBING FIXTURE RETROFIT PROGRAM CONSULTANT SELECTION

Recommendation: That the Board authorize the General Manager to execute an agreement with Bottom Line Utility Solutions to perform plumbing fixture installation services for eligible multi-family and commercial customers under the Multi-family Dwelling and Commercial Plumbing Fixture Retrofit program in an amount not to exceed \$400,000.

OTHER BUSINESS

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

20. A. General Manager's Report

B. Directors' Comments

1)

2)

3)

OTHER BUSINESS - Continued

20. B. Directors' Comments

4)

5)

C. **CLOSED SESSION: Conference with Legal Counsel – ANTICIPATED LITIGATION –**
(1) significant exposure to litigation pursuant to Government Code Section 54956.9 (b) (one potential case) and (2) initiation of litigation pursuant to Government Code Section 54956.9(c) (one potential case).

D. Adjourn

* * * * *

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 25, 2012

Prepared by: Christopher Smithson

Submitted by: Debby Cherney

Approved by: Paul Cook



PUBLIC HEARING

PROPOSED CHANGES TO THE SCHEDULE OF RATES AND CHARGES EFFECTIVE JULY 1, 2012

SUMMARY:

The Fiscal Year (FY) 2012-13 Operating Budget was adopted by the Board at the public workshop held on April 23, 2012. 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 19, 2012, 10 protests 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.

In addition to monthly operating rates, in a separate Board item on June 25, 2012, staff recommends the adoption of connection fees and property taxes as part of the new schedule of rates and charges proposed to be adopted.

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.

Exec. 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:
(continued) Inquire whether there are any comments or questions from members of the Board of Directors. 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. 2012 -

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA
RESCINDING RESOLUTION NO. 2012-25 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 RECLAIMED WATER SERVICE

BACKGROUND:

Proposed Rates and Charges for FY 2012-13:

Staff has reviewed costs and revenues for the treated water system, the untreated water system and the sewer system (which includes reclaimed water system). As a result of this review, changes to the water and wastewater rates for the Irvine Ranch rate area (including the former Santiago rate area), Orange Park Acres (OPA) rate area and the Los Alisos rate area recommended for FY 2012-13 include:

Irvine Ranch Rate Area

Treated Water System:

- No change to the low volume rate in the Irvine Ranch rate area, keeping the current rate of \$0.91/ccf.
- An increase to the base commodity rate of \$0.02/ccf, from \$1.22 to \$1.24/ccf.
- An increase of \$0.55 to the current monthly service charge, from \$8.75 to \$9.30, 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 & Recycled Water System:

- An increase to the current monthly service charge of \$0.30, from \$16.90 to \$17.20, which includes monthly user rate contributions of \$4.65/month for sewer/recycled water capital infrastructure replacements and \$0.65/month for sewer and recycled water capital infrastructure enhancements.
- An increase to the current reclaimed landscape irrigation rate of \$8.70/acre-foot, from \$474.80 to \$483.50/acre-foot. This cost increase is consistent with the District's practice of setting recycled landscape irrigation rates at 90% of the District's base treated water commodity rate and is consistent with the cost associated with producing and distributing recycled water.

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 \$0.02/ccf, from \$1.74 to \$1.76/ccf.
- An increase of \$0.55 to the current monthly service charge, from \$17.25 to \$17.80.

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 \$0.09/ccf, from \$2.05 to \$2.14/ccf.
- No change in the current monthly service charge for meters 1" or smaller, which includes monthly user rate contributions of \$0.80/month for water capital infrastructure replacements and \$0.70/month for water capital infrastructure enhancements.
- An increase of 19.5% to the monthly service charge for all meters greater than 1" in diameter.

Sewer & Recycled Water System:

- An increase to the current monthly service charge of \$0.30, from \$16.90 to \$17.20, which includes monthly user rate contributions of \$4.65/month for sewer/recycled water capital infrastructure replacements and \$0.65/month for sewer and recycled water capital infrastructure enhancements.
- An increase to the current reclaimed landscape irrigation rate of \$8.70/acre-foot, from \$474.80 to \$483.50/acre-foot. This cost increase is consistent with the District's practice of setting reclaimed landscape irrigation rates at 90% of the District's base treated water commodity rate and is consistent with the cost associated with producing and distributing reclaimed water.

The proposed treated tiered rates for both rate areas follow:

Tiers	Irvine Ranch	Los Alisos
Low Volume	\$0.91	\$1.51
Base Rate	\$1.24	\$2.14
Inefficient	\$2.76	\$3.16
Excessive	\$4.70	\$4.70
Wasteful	\$9.84	\$9.84

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:

Replacement and enhancement rate components were increased for both water and sewer as noted above. The added components will generate an additional \$910,000 and \$684,000 for the treated water and sewer systems, respectively. Combined with the existing replacement and enhancement rate components, the total capital components will generate \$2.8 million and \$10.4 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 2012-13, a customer in IRWD using the median amount of water (12 ccf per month) will pay an average of \$22.54 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 median amount of water (22 ccf per month) will pay an average of \$46.02 per month for the water service fixed and commodity charges or 104% more than a comparable ratepayer in IRWD. The same comparison at equivalent usages results in Orange residents paying 19% more at IRWD’s average usage of 12 ccf per month and 37% more at the City of Orange’s average usage of 22 ccf per month.

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 protests from property owners in the District at a separate post office box from the rest of the District's mail. As of June 19, 2012, 10 protests have been received, representing 0.01% of the 87,038 notices sent, 0.45% 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 10 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 2012-13 Consolidated Operating Budget totals \$111.1 million, representing a \$3.6 million or 3.4% increase from the Fiscal Year 2011-12 Operating Budget. The proposed adjustments to the District's Schedule of Rates and Charges will generate approximately \$935,000 of additional revenue for the treated water system and approximately \$147,000 of additional revenue in the sewer system.

Included in the additional revenue is \$456,000 for water system enhancement projects and \$342,000 for sewer system enhancement projects. Also included is additional revenue generated to provide funding for water system replacement projects in the amount of \$456,000 and sewer system replacement projects in the amount of \$342,000.

COMMITTEE STATUS:

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

- Finance and Personnel Committee on March 21, 2012 and April 2, 2012.
- Board of Directors Workshop on April 9, 2012 and April 23, 2012.

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 19, 2012

EXHIBIT "A"

RESOLUTION NO. 2012 -

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 XIIB 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 XIID 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. Virjil*, 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 25, 2012, 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 25th day of June, 2012.

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

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

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

By: _____

*IRVINE RANCH WATER DISTRICT
SCHEDULE OF RATES AND CHARGES*



~~*EFFECTIVE*~~ *PROPOSED*
~~*JULY 26, 2011*~~ *JUNE 25, 2012*

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Section

1

Water System Charges

Monthly Water Service Charge

Monthly Service Charge for residential, master metered apartments/condos, commercial/industrial, public authority, non-agricultural and recycled:

User Description						
Irvine Ranch Rate Area						
Residential detached, attached and apartments		See chart (a)				
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 (c)				
Former Los Alisos Rate Area						
Residential and Non-Residential customers		See chart (d)				
Orange Park Acres						
Residential and Non-Residential customers		See chart (e)				
Meter Size	Flow in Gallons	Chart (a)	Chart (b)	Chart (c)	Chart (d)	Chart (e)
5/8" or 3/4" Disc	0-22	\$9.30 -\$8.75	\$9.30 -\$8.75	\$67.35 -\$69.29	\$9.60 -\$9.60	\$17.80 -\$17.25
5/8" Disc	0-22					
3/4" Disc	0-22					
1" Disc	23-37	\$9.30 -\$8.75	\$18.35 -\$17.28	\$75.35 -\$77.49	\$18.20 -\$18.20	\$17.80 -\$17.25
1 1/2" Disc	38-75	\$21.90 \$20.62	\$50.85 -\$47.85	\$105.25 -\$108.28	\$50.85 -\$46.13	\$17.80 -\$17.25
2" Disc	76-120	\$30.00 \$28.22	\$83.70 -\$78.75	\$135.30 -\$139.18	\$71.05 -\$59.45	\$17.80 -\$17.25
3" Compound	161-280		\$199.55 -\$187.74	\$241.30 -\$248.23	\$164.85 -\$137.96	\$17.80 -\$17.25
4" Compound	361-450		\$323.10 -\$304.04	\$400.85 -\$412.40	\$254.75 -\$213.19	\$17.80 -\$17.25
6" Compound	451-750		\$518.70 -\$488.03	\$532.90 -\$548.24	\$503.45 -\$424.30	
8" Compound	1001-1450		\$1,158.15 \$1,089.65	\$965.80 -\$993.56	\$801.75 -\$670.93	
10" Compound	1451-1600		\$1,285.30 \$1,209.30	\$1,234.00 \$1,269.52	\$1,150.35 -\$962.63	
14" Compound	2001-3500		\$1,982.45 \$1,865.23	\$1,806.10 \$1,858.06	\$1,982.45 -\$1,920.78	
2" Turbo	120-160		\$112.20 -\$105.55	\$161.35 -\$165.98	\$105.10 -\$87.95	
3" Turbo	281-360		\$257.70 -\$242.48	\$294.20 -\$302.64	\$229.70 -\$192.22	
4" Turbo	751-1000		\$765.85 -\$720.56	\$758.80 -\$780.64	\$627.95 -\$525.50	
6" Turbo	1601-2000		\$1,355.55 \$1,275.37	\$1,298.25 \$1,335.58	\$1,249.95 -\$1,045.98	
8" Turbo	2001-3500		\$1,982.45 \$1,865.23	\$1,871.45 \$1,925.27	\$1,749.45 -\$1,463.99	
10" Turbine	3500-5500		\$3,085.85 \$2,993.36	\$2,909.50 \$2,993.16		
2" Magnetic Meter	161-280		\$199.55 -\$187.74	\$241.30 -\$248.23	\$164.85 -\$137.96	
4" Magnetic Meter	751-1000		\$765.85 -\$720.56	\$758.80 -\$780.64	\$627.95 -\$525.50	
6" Magnetic Meter	1601-2000		\$1,355.55 \$1,275.37	\$1,298.25 \$1,335.58	\$1,249.95 -\$1,045.98	
8" Magnetic Meter	2001-3500		\$1,982.45 \$1,865.23	\$1,871.45 \$1,925.27	\$1,749.40 -\$1,463.93	
6" Propeller	1001-1450		\$1,158.15 \$1,089.65			
8" Propeller	1451-1600		\$1,285.30 \$1,209.30			
10" Propeller	1601-2000		\$1,355.55 \$1,275.37			

12" or 14" Propeller	2001-3500		\$1,982.45 \$1,865.23			
16", 18", or 20" Propeller	3501-5500		\$3,117.50 \$2,933.11			
Construction Meters					\$746.65 \$624.81	\$298.50 \$289.28
3 Main Line					\$104.45 \$87.41	
4 Main Line					\$209.15 \$175.04	
6 Main Line					\$392.05 \$328.09	
8 Main Line					\$470.55 \$393.75	
10 Main Line					\$627.10 \$524.78	

Santiago rates migrating to IRWD rates

Service Charges – Private Fire Protection Service

1. Service-Line Charge

The monthly service charge for private fire line service will be \$13.60 for each inch of diameter of service connection. This charge includes water used for fire extinguishing purposes. The fee for the former Los Alisos Water District rate area will be \$9.50 per inch of diameter of pipe with a commodity charge of \$2.05 per ccf.

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	Indoor Usage in ccf	Landscape Percent of usage
Low Volume	\$0.91 \$0.91	0-4	0-40
Base Rate	\$1.24 \$1.22	5-9	41-100
Inefficient	\$2.76 \$2.50	10-14	101-150
Excessive	\$4.70 \$4.32	15-19	151-200
Wasteful	\$9.84 \$9.48	19+	201+

2. Commodity Charge for Residential Attached Dwelling Units

(Base allocation x number of dwelling units)

Tier	Rate/ccf	Indoor Usage in ccf	Landscape Percent of usage
Low Volume	\$0.91 \$0.91	0-3	0-40
Base Rate	\$1.24 \$1.22	4-7	41-100
Inefficient	\$2.76 \$2.50	8-10	101-150
Excessive	\$4.70 \$4.32	11-14	151-200
Wasteful	\$9.84 \$9.48	15+	201+

3. Commodity Charge for Apartments

(Base allocation x number of dwelling units)

Tier	Rate/ccf	Indoor Usage in ccf	Landscape Percent of usage
Low Volume	\$0.91 \$0.91	0-2	
Base Rate	\$1.24 \$1.22	3-4	
Inefficient	\$2.76 \$2.50	5-7	
Excessive	\$4.70 \$4.32	8-9	
Wasteful	\$9.84 \$9.48	10+	

4. Commodity Charge for Commercial, Industrial and Public Authority and Mixed Usage

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	\$1.24 \$1.22	0-100
Inefficient	\$2.76 \$2.50	101-110
Excessive	\$4.70 \$4.32	111-120
Wasteful	\$9.84 \$9.48	121+

Irvine Ranch Rate Area (Continued)

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

Tier	Rate/ccf	ET Index Percent of Usage
Low Volume	\$0.91 \$0.91	0-40
Base Rate	\$1.24 \$1.22	41-100
Inefficient	\$2.76 \$2.50	101-110
Excessive	\$4.70 \$4.32	111-120
Wasteful	\$9.84 \$9.48	121+

6. Charge for Non-Conforming Uses

*Non-Conforming Use	Rate/ccf
Base Rate	\$ 4.32 4.70

* 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	Allocation In ccf	Landscape Percent of usage
Low Volume	\$1.54 \$1.54	0-4	0-40
Base Rate	\$2.14 \$2.05	5-9	41-100
Inefficient	\$3.16 \$2.98	10-14	101-150
Excessive	\$4.70 \$4.49	15-19	151-200
Wasteful	\$9.84 \$9.84	19+	201+

8. Commodity Charge for Residential Attached Dwelling Units

Tier	Rate/ccf	Allocation In ccf	Landscape Percent of usage
Low Volume	\$1.54 \$1.54	0-3	0-40
Base Rate	\$2.14 \$2.05	4-7	41-100
Inefficient	\$3.16 \$2.98	8-10	101-150
Excessive	\$4.70 \$4.49	11-14	151-200
Wasteful	\$9.84 \$9.84	15+	201+

9. Commodity Charge for Apartments

(Base allocation x number of dwelling units)

Tier	Rate/ccf	Allocation In ccf
Low Volume	\$1.54 \$1.54	0-2
Base Rate	\$2.14 \$2.05	3-4
Inefficient	\$3.16 \$2.98	5-7
Excessive	\$4.70 \$4.49	8-9
Wasteful	\$9.84 \$9.84	10+

Los Alisos Rate Area (Continued)

10. Commodity Charge for Commercial, Industrial, Public Authority and Mixed Usage

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	\$2.14 \$2.05	0-100
Inefficient	\$3.16 \$2.98	101-110
Excessive	\$4.70 \$4.49	111-120
Wasteful	\$9.84 \$9.84	121+

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

Tier	Rate/ccf	ET Index Percent of Usage
Low Volume	\$1.54 \$1.54	0-40
Base Rate	\$2.14 \$2.05	41-100
Inefficient	\$3.16 \$2.98	101-110
Excessive	\$4.70 \$4.49	111-120
Wasteful	\$9.84 \$9.84	121+

12. Charge for Non-Conforming Uses

*Non-Conforming Use	Rate/ccf
Base Rate	\$ 4.49 4.70

* 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
Standard Tier I	\$1.76 \$1.74	0 – 10 ccf
Excess Tier II	\$2.10 \$2.08	11 – 40 ccf
Excess Tier III	\$2.65 \$2.63	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:

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	\$1.50 -\$1.48	0-100
Inefficient	\$3.36 -\$3.04	101-110
Excessive	\$5.71 -\$5.25	111-120
Wasteful	\$11.96 \$11.52	121+

2. Los Alisos Rate Area

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	\$2.48 -\$2.38	0-100
Inefficient	\$4.29 -\$4.06	101-110
Excessive	\$7.04 -\$6.87	111-120
Wasteful	\$11.34 \$10.98	121+

Commodity Charges: Nonpotable Water System Including Agricultural

1. Commodity Charge

The commodity charge for nonpotable ILP 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	\$ 1.12 1.12	\$ 48487.90 483.50

Lake fillers used for landscape irrigation purpose:

	Rate/ccf	ET Index Percent of Usage
Low volume	\$0.82 \$0.82	0-40
Base rate	\$1.11 —	41-100
Inefficient	\$2.48 \$2.25	101-110
Excessive	\$4.23 \$3.89	111-120
Wasteful	\$8.85 \$8.53	121+

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

Area	Rate/ccf	Per Acre Foot
IRWD rate area	\$ 1.09 1.11	\$ 474.80 483.50

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	\$1.50 \$1.44	\$654.80 \$627.70
Non-Agricultural	\$1.43 \$1.37	\$622.97 \$598.10

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 ILP water used for landscape irrigation (acre foot per acre basis) based on evapotranspiration (ET) for each microclimate:

Tier	Rate/ccf	ET Index Percent of Usage
Low Volume	\$0.82 \$0.82	0-40
Base Rate	\$1.11 \$1.09	41-100
Inefficient	\$2.48 \$2.25	101-110
Excessive	\$4.23 \$3.89	111-120
Wasteful	\$8.85 \$8.53	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	ET Index Percent of Usage
Low Volume	\$0.82 \$0.82	0-40
Base Rate	\$1.11 \$1.09	41-100
Inefficient	\$2.48 \$2.25	101-110
Excessive	\$4.23 \$3.89	111-120
Wasteful	\$8.85 \$8.53	121+

2. Recycled Loan Customers

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

Tier	Rate/ccf	ET Index Percent of Usage
Low Volume	\$0.91 \$0.91	0-40
Base Rate	\$1.24 \$1.22	41-100
Inefficient	\$2.76 \$2.50	101-110
Excessive	\$4.70 \$4.32	111-120
Wasteful	\$9.84 \$9.48	121+

Commodity Charges: Recycled Water System - Commercial/Industrial

1. Commodity Charge for Commercial and Industrial

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	\$0.76 \$0.74	0-100
Inefficient	\$1.67 \$1.51	101-110
Excessive	\$2.82 \$2.59	111-120
Wasteful	\$5.91 \$5.69	121+

2. Commodity Charge for Commercial and Industrial Loan Customers

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	\$1.24 \$1.22	0-100
Inefficient	\$2.76 \$2.50	101-110
Excessive	\$4.70 \$4.32	111-120
Wasteful	\$9.84 \$9.48	121+

Allocations and Variances

1. Base Allocations for Commodity Charges

Monthly allocation includes fixed component for indoor usage and 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 55 gpd	ET x Kc x 1.40 x LA	(Indoor + Outdoor) x # days in bill service period
Residential Attached*	3	435 sq. ft	# Residents x 55 gpd	ET x Kc x 1.40 x LA	(Indoor + Outdoor) x # days in bill service period
Apartments*	2	N/A	# Residents x 55 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 x # days in 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 1.8 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 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 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

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

f. Commercial/Industrial/Public Authority

- Increases 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 ccf's.

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

5. Replacement Costs for Residential Customers Who Destroy District Property

Item	Cost
5/8" meter	\$ 37.00
3/4" meter	\$ 57.00
1" meter	\$ 82.00
1 1/2" meter	\$ 171.00
2" meter	\$ 246.00

New Account Fees for Water Service

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

1. Charges

A fee of \$15.00 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 for instances of delinquent payments.

3. Non-Residential Deposit

A deposit of \$50.00 for 5/8" non-residential meters and \$100.00 for non-residential meters larger than 5/8" may be required at the time of service application.

Delinquency and Service Restoration Charges

All bills and charges for water, sewer and recycled water service shall be due and payable upon presentation and shall become delinquent twenty-five (25) 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 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 charge, have been paid.

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

Special Contract Billing

1. Residential Domestic Water Sold to Trabuco Canyon Water District
 - (a) Commodity Charge: The base residential commodity rate shall be \$ 1.90 per hundred cubic feet.
 - (b) Pumping Surcharge: A pumping surcharge of \$0.32 per hundred cubic feet shall be added to the base residential commodity rate.
 - (c) Monthly Service Charge: The monthly service charge shall be \$ 5.51 per residential customer.

Section 2 Wastewater System Charges

Monthly Wastewater Service Charges

Residential	
<p>(a) Single Family Dwelling Units</p> <p><u>AVERAGE MONTHLY WATER USE</u></p> <p>Over 1000 cubic feet (10 ccf)</p>	<p><u>SERVICE CHARGE PER MONTH</u></p> <ul style="list-style-type: none"> 100% rate = \$ 46.9917.20 per unit
<p>501-1000 cubic feet (5.01-10.0 ccf)</p>	<ul style="list-style-type: none"> 90% rate = \$ 15.2550 per unit
<p>0-500 cubic feet (0-5.0 ccf)</p>	<ul style="list-style-type: none"> 75% rate = \$ 12.7090 per unit
<p>(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.</p>	
<p><u>SERVICE CHARGE PER MONTH</u></p>	
<p>(b) Multiple Family Dwelling Units</p> <p>(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.</p>	<ul style="list-style-type: none"> \$ 12.7090 per unit
<p>(c) Single or Multiple Family Dwelling Units</p> <p>(1) Portola Hills (2) A portion of Newport Coast</p>	<p><u>SERVICE CHARGE PER MONTH</u></p> <ul style="list-style-type: none"> \$ 46.9917.20 per unit \$ 6.4025 per unit
NON-RESIDENTIAL – CLASS II	
<p>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.</p>	
<p>(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.</p> <p>(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.</p>	<p><u>SERVICE AND QUANTITY CHARGE PER MONTH</u></p> <ul style="list-style-type: none"> Service charge - \$ 46.9917.20 Quantity charge - \$ 1.942.00/ccf
<p>(b) Shall apply to all commercial, industrial and institutional users whose consumption is in excess of 10 ccf per month.</p>	<p><u>SERVICE /QUANTITY/COMMODITY CHARGE PER MONTH</u></p> <ul style="list-style-type: none"> Service charge - \$ 46.9917.20 + 4.722.00 = 48.6219.20 Quantity charge - \$2.00/ccf Commodity charge - \$0.0953/ccf
<p>(c) Portola Hills customers</p>	<p><u>SERVICE AND QUANTITY CHARGE PER MONTH</u></p> <ul style="list-style-type: none"> Service charge - \$ 46.9917.20 Quantity charge - \$ 4.942.00/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

Rv = \$ 1.~~420~~140 per hundred cubic feet

Rb = \$ 0.~~312~~318 per pound of BOD

Rs = \$ 0.~~272~~277 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. Fees for Restaurant Grease Trap Service Calls

Fee for service call within 12 month period - \$1,000

Fee for all other service calls within 12 month period - \$2,000

Section

3

Developer Services

Water 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	101*	\$3,417	\$3,015 \$2,805.00	\$2,553	\$2,156 \$2,006.00
	113	\$2,473	\$2,473 2,300.00	\$2,473 2,300.00	\$2,473 2,300.00
	102 (120), 121	\$1,181	\$1,181 1,099.00	\$1,181 1,099.00	\$1,181 1,099.00
	103 (130)	\$1,782	\$1,782 1,658.00	\$1,782 1,658.00	\$1,782 1,658.00
Total acreage for any given development shall be gross acres excluding private parks.	140	\$2,121	\$2,121 1,973.00	\$2,121 1,973.00	\$2,121 1,973.00
	105 (150)	\$1,782	\$1,782 1,658.00	\$1,782 1,658.00	\$1,782 1,658.00
	106 (160), 161	\$1,782	\$1,782 1,658.00	\$1,782 1,658.00	\$1,782 1,658.00
	186	\$9,783	\$9,783 9,100.00	\$9,783 9,100.00	\$9,783 9,100.00
	LC/LCS PA	\$2,205	\$2,205 2,081.00	\$2,205 2,081.00	\$2,205 2,081.00
	Lambert Ranch	\$2,867	\$2,867 2,743.00	\$2,867 2,743.00	\$2,867 2,743.00
	Los Alisos 135	\$3,348	\$3,348 3,114.00	\$3,348 3,114.00	\$3,348 3,114.00
	184 Redevelopment	1,457	1,286	1,089	919
	All others*				

Commercial, Industrial and Public Authority – Office Building

	IMPROVEMENT DISTRICT	Commercial	Industrial	Public Authority
Connection Fees Per Gross Acre	101*	\$18,961	\$28,879 26,864.00	\$18,961 17,638.00
	113	\$18,064	\$0	\$9,032 8,402.00
	102 (120), 121	\$5,911 5,499.00	\$6,005 5,586.00	\$5,911 5,499.00
	103 (130)	\$3,612 3,360.00	\$3,612 3,360.00	\$3,612 3,360.00
	140	\$10,898	\$0 0.00	\$10,898 10,138.00
	105 (150)	\$9,366 8,713.00	\$13,296 12,368.00	\$9,366 8,713.00
	106 (160), 161	\$9,366 8,713.00	\$13,296 12,368.00	\$9,366 8,713.00
	186	\$19,940	\$19,940 18,549.00	\$19,940 18,549.00
	188	\$31,114	\$31,114 28,943.00	\$31,114 28,943.00
	Los Alisos 135	\$11,246	\$11,246 10,461.00	\$11,246 10,461.00
	All others*			

Parks, Churches and Commercial Recreational Facilities

	IMPROVEMENT DISTRICT	Indoor Water Use	Outdoor ⁽¹⁾ Water Use
Connection Fees Per Fixture Unit	101*	\$59.38 55.24	\$208.97 194.39
	102 (120), 121	9.79 9.11	34.62 32.20
(1) As calculated per UPC as revised.	103 (130)	7.13 6.63	21.39 19.90
	140	41.12 38.25	144.66 134.57
	105 (150)	30.00 27.91	105.16 97.82
	106 (160), 161	31.15 28.98	109.19 101.57
	186	64.68 60.17	227.20 211.35
	188	155.51 144.66	547.11 508.94
	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)

Connection Fees Per 100 Students Average Daily	IMPROVEMENT DISTRICT	Primary & Intermediate		Secondary	Primary Intermediate & Secondary
		Intermediate	Secondary	Secondary	Secondary
	101*	\$4,679.48	\$6,275.85	\$5,838.00	\$201.03 \$187.00
	102 (120), 121	776.15 722.00	1,032.00	960.00	35.48 33.00
	103 (130)	476.23 443.00	640.70	596.00	22.58 21.00
(2) Minimum required	140	3,236.83 3,011.00	4,353.75	4,050.00	139.75 130.00
	105 (150)	2,356.40 2,192.00	3,169.10	2,948.00	102.13 95.00
	106 (160), 161	2,449.93 2,279.00	3,289.50	3,060.00	109.65 102.00
	186	4,880.50 4,540.00	6,840.23	6,363.00	219.30 204.00
	188	12,309.83 11,451.00	16,472.23	15,323.00	525.68 489.00
	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 =

$$\frac{[\text{Est. GPD use} - (\text{no. acres} \times \text{use factor}^*)] \times \$993,405/\text{cfs}}{646,320 \text{ gal/day/cfs}}$$

*Non-Residential Water Use Factor	Land Use Category	Water Use Factors (Gal/Acre/Day)
	Commercial	2,000.00
	Industrial	4,000.00
	UCI	Special Contact

Definitions
Commercial: Commercial development including retail and offices
Industrial: 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 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)

Meter size	Cost
5/8" x 3/4"	\$55.00*
5/8" x 3/4"	\$80.00 for individual meters and bypass meters on DDCA
3/4"	\$105.00
1"	\$175.00
1-1/2"	\$290.00
2" Disc	\$710.00
2" Turbo	\$710.00
3" Turbo	\$1,025.00
4" Turbo	\$1,890.00

*(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.
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 forces to do this work is \$2,000.00 and will be collected along with the standard 1" meter cost.

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. Addition of a 1" service | \$200.00 |
| 2. Addition of a 2" service | \$200.00 |
| 3. Addition of a 4" or larger service | \$500.00 |
| 4. Addition or replacement of Fire DDCA | \$300.00 |

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.

Sewer Connection Fees

Residential

		IMPROVEMENT DISTRICT	0-5.8 DU/acre	5.9-10.8 DU/acre	10.9-25.8 DU/acre	25.9-40.0 DU/acre
Connection Fees Per Dwelling Unit		1 (201)*	\$6,067	\$5,400	\$5,023.00	\$4,444
		213	4,327	4,327	4,327	4,327
		2 (220), 221	835	835	835	835
		2 (230)	2,012	2,012	2,012	2,012
Total acreage for any given development shall be gross acres excluding private Parks.		240	3,348	3,348	3,348	3,348
		205 (250)	2,012	2,012	2,012	2,012
		206 (260), 261	2,012	2,012	2,012	2,012
		256	24,500	24,500	24,500	24,500
		286	2,705	2,705	2,705	2,705
		LC/LCS PA	2,539	2,539	2,539	2,539
		Lambert Ranch	3,366	3,366	3,366	3,366
		Los Alisos 235	2,356	2,356	2,356	2,356
		OPA1 (Ridgeline)	4,200	4,200	4,200	4,200
		184 Redevelopment	2,587	2,302	1,895	1,495
		All others*				

Commercial, Industrial and Public Authority – Office Building

Connection Fees Per Gross Acre	IMPROVEMENT DISTRICT	Commercial	Industrial	Public Authority
	1 (201)*	\$34,004	\$59,327	\$55,188.00
	213	25,780	-	12,796
	2 (220), 221	6,882	10,393	6,882
	2 (230)	763	763	763
	240	15,287	-	15,287
	205 (250)	9,175	15,225	9,175
	206 (260), 261	9,175	15,225	9,175
	286	5,624	5,624	5,624
	288	5,624	5,624	5,624
	Los Alisos 235	8,611	8,611	8,611
	All others*			

Parks, Churches and Commercial Recreational Facilities

Connection Fees Per Fixture Unit	IMPROVEMENT DISTRICT	Fee
	1 (201)*	\$376.22
	2 (220), 221	\$349.97
	2 (230)	108.52
	240	26.11
	205 (250)	227.43
	206 (260), 261	241.56
	286	143.80
	288	133.77
	All others*	138.84
		129.15
		61.30
		57.02
		61.30
		57.02

*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)*	\$17,827	\$23,773 \$22,144.00
100 Students Average Daily Attendance	2 (220), 221	5,099	6,792 6,348.00
	2 (230)	2,004	2,756 2,564.00
	240	10,749	14,334
	205 (250)	6,756	9,009 8,380.00
	206 (260), 261	6,636	8,848 8,231.00
	286	2,951	3,932 3,658.00
	288	2,951	3,932 3,658.00
	All Others*		

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

Former OCSD Irvine Business Complex – Non-Residential

	-----Commercial/Industrial-----		
	(1)	(2)	(3)
	Low Demand	Average Demand	High Demand
Connection Fees Per 1,000 Square Feet	\$234 \$248.00	\$1,446 \$1,345.00	\$3,427 \$3,188.00

- (1) Low Demand connections are the following categories of users: Nurseries, Warehouses, Parking Structures, RV Storage, Churches, Truck Terminals, RV Parks, Lumber/Construction Yards, and other discharge whose flow is similar in volume to these listed categories.
- (2) Average Demand connections other than listed in Low or High Demand categories.
- (3) High Demand connections are the following categories of users: Restaurants, Supermarkets, Car Washes, Coin Laundries, Amusement Parks, Shopping Centers with Restaurants, Food Processing Facilities, Textile Manufacturers, and other discharges whose flow is similar in volume to these listed categories.

High Volume User – Commercial and Industrial

This section shall apply to all non-residential applicants for 2" and larger meters in addition to standard connection fees in all improvement districts.

Connection Fee Formula Additional High Volume Sewer User Connection Fee =

* Sewer GPD = 90% of water GPD [Est. GPD use * – (no. acres x use factor**)] x \$14.4415.52/Gal. of Sewer Flow

**Non-Residential Sewage Flow Generators (Use Factors)	Land Use Category	Average Flows
	Commercial	1,300.00
	Industrial	2,600.00
	UCI	Special Contract

Definitions Commercial: Commercial development including retail and offices
Industrial: Industrial development including manufacturing, research and development and distributorships

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 lineal 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 been corrected must be retelevised.

1. 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. 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. If the District's television crew arrives at the job site and the work is not ready or accessible, the Contractor and owner will be billed for the cancellation fee of two hundred fifty dollars (\$250.00), payable to the District prior to the date of the rescheduled television inspection.
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	Increase	07-10-78
08-28-78	1978-154	Rescind 1978-135	Increase Connection Fees	08-28-78
01-08-79	1979-02	Rescind 1978-154	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	Increase Connection Fees	07-30-79
06-23-80	1980-28	Rescind 1979-41	Increase	07-01-80
08-25-80	1980-49	Rescind 1980-28	Increase Connection Fees	08-25-80
12-22-80	1980-77	Rescind 1980-49	Increase Wastewater System Charges	01-01-81
06-15-81	1981-103	Rescind 1980-77	Increase	07-13-81
07-13-81	1981-132	Rescind 1981-103	Increase Connection Fees	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	Delinquency Charges	10-01-82
11-22-82	1982-67	Rescind 1981-61	High-rise Connection Fees	12-01-82
06-27-83	1983-116	Rescind 1982-67	Increase	07-01-83
11-21-83	1983-137	Rescind 1983-116	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	Change Delinquency Charge	10-01-84
01-28-85	1985-2	Rescind 1984-43	Lower Sewer Rates	02-01-85
02-25-85	1985-7	Rescind 1985-2	High Volume Connection Fee	02-25-85
03-25-85	1985-31	Rescind 1985-7	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	Decrease Sewer Charges	01-01-86
06-23-86	1986-28	Rescind 1985-115	Decrease Sewer Charges	07-01-86
03-23-87	1987-11	Rescind 1986-28	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. Add Water Pumping Surcharge	02-01-88
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 Reduce Recycled Landscape Increase Untreated and Recycled Ag Rates	07-01-89
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 Reduce Untreated and Recycled Ag Rates	07-01-90
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

June 10, 2012

IRWD
P.O. Box 5149
Irvine, CA 92612

RECEIVED

JUN 13 2012

FINANCE
IRVINE RANCH WATER DISTRICT

Re: Protest of Proposed Rate Increase

I wish to protest any rate increase to the ratepayers of the IRWD until the OC Grand Jury is satisfied that the quarter of a billion dollars in cash and investments that the district holds is not an over accumulation of assets by overcharging their ratepayers. I understand that approximately 36 million dollars of that is legally restricted in the way IRWD may use those funds, but that still leaves a LOT of money in the district's rainy day fund.

I also personally believe that the salaries and benefits of a certain level of employees within the district are over inflated and have been subject to an investigation of the OC Register, which has not been able to justify those remunerations.

We've all been biting the bullet for years now regarding water conservation under threat of drought and dwindling resources both by the punitive practice of tiered billing and "doing the right thing" by "going green" and changing our lifestyles, habits and what not. Now that we are using less water, those that supply it aren't selling as much and their revenue is down. So what's next for the consumer? Higher rates because we're using less. This has been reported, or perhaps opined, in the LA Times.

I think there needs to be a very in depth evaluation of the IRWD's business practices and the methods in which it chooses to serve their ratepayers, particularly during the most difficult economic period since the Great Depression. Until then, NO to any increase.

Susan Upson



28 Queens Wreath Way
Irvine, CA 92612

RECEIVED

JUN 11 2012

FINANCE
IRVINE RANCH WATER DISTRICT

Boris Stolin

10 Palamedes
Irvine, CA 92604

June 6, 2012

REFERENCE: IRWD PROPOSED RATE INCREASE

Ladies and Gentlemen, Members Board of Directors:

I am not only protesting the rate increase but also the basis used for calculating monthly payments. Unfortunately, the notice of proposed rate increase does not tell the whole truth.

First: IRWD uses the daily water consumption of 75 gallon/day/person, whereas other 16 Orange county water districts (why OC needs 17 water districts?) use 70 gallon/day/person. It should be a reason(s) that Irvine population uses more water.

Second: Allocations are based on an arbitrary assumption that 3 people lives in an attached home and 4 in detached home. However, very often less people live in these homes.. I live alone consuming potable water 0 – 3 cci and my allocation is 8 cci.

Third: It is a matter of “fixed cost.” IRWD uses fixed charges mostly to cover the cost of sewer treatment. This is the most absurd part of the billing process. It is a worldwide accepted practice, except IRWD, that sewer generation is equal to potable water consumption minus irrigation. A result, the consumer generates 0-3 ccf of sewer but pays for 8-9 ccf.

Under IRWD price structure, I paid about \$22 for **ZERO** consumption. I do not believe that any court will force me to pay for a non-consuming product or services. At this price structure, a consumer has to pay about \$23 for one (1) ccf, about \$24 for two (2) ccf, and about \$25 for three (3) ccf. This is the highest price in the USA per unit.

Almost all utility companies charges are based on units consumed. This is the basic for conservation. The less you consumed, the less proportionally you pay. At the price structure set up by IRWD, the conservation is an empty slogan.

According to Grand Jury of Orange Company and Register’s publication, IRWD is the most expensive company due to, apparently, the highest compensation. In spite of that all water districts claim to be a governmental entity and, which therefore, should lead to same price structure. IRWD came up with own price structure to maintain the status the most expensive water district. I tried to convey my concern to the customer service, and the main response was that everything was approved by the Board. I do hope that this

time the board will protect the interest of Irvine population, and will advise the IRWD management to come with more rational rate structure.

According to annual reports, IRWD and OCSD have million of dollars on hand, and if they want to satisfy monetary requirements of its personal, let them use available cash but not "other people money."

Respectfully,

A handwritten signature in black ink, appearing to read "B. Stolin". The signature is fluid and cursive, with a large initial "B" and a long, sweeping tail.

Boris Stolin, P.E.

RECEIVED

MAY 30 2012

FINANCE
IRVINE RANCH WATER DISTRICT

May 29, 2012

17 Firwood

Irvine, CA 92604

IRWD:

I respectfully request that the board of directors reconsider the proposed rate increase. I am the property owner at 17 Firwood and ask that IRWD find a different budgeting solution. Thank you for your time.

Gabrielle Minoi

Receive services at:

17 Firwood, Irvine.

25 Sunfish, Irvine.

RECEIVED

MAY 30 2012

May 29, 2012
Gabrielle Minor
25 Sunfish, Irvine

IRWD : IRVINE RANCH WATER DISTRICT

FINANCE

This is a protest letter in regards to the proposed rates increase. I did not think too much of it the last time this happened, but another increase so soon has caught my attention. The IRWD is one of the last companies that has managed their resources well and kept costs manageable and affordable. I respectfully ask that the board of directors reconsider the rates increase.

Property Owner: Gabrielle Minor, 25 Sunfish, Irvine CA 92604
Gabrielle minor (Bill in husband's name John Johnson)

May 27, 2012

IRWD
P.O. Box 5149
Irvine, CA 92616

Sirs:

As a long standing resident of Lake Forest, I strongly oppose the proposed rate increases referenced in your undated letter received on or about May 16th, 2012.

The "cost of water" cited in your letter is only of portion of what these proposed rate increases will fund.

I object to funding the benefits and salaries of MWD employees in Los Angeles.

I object to LA City Council's annual transfer of MWD's and DWP's ending balances to their general fund, resulting in the apparent need for those agencies to raise rates with the ensuing domino effect on member agencies.

Why wouldn't anyone object?

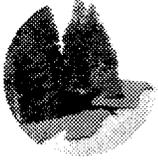


James Pacelli
24525 Via Tonada
Lake Forest, Ca 92630

RECEIVED

MAY 30 2012

FINANCE
IRVINE RANCH WATER DISTRICT



CEDAR GLEN HOMEOWNERS' ASSOCIATION

25885 Trabuco Road, Lake Forest, CA 92630
Cedar Glen is a condominium community consisting
of 321 units in Lake Forest, California

Letter approved at the May 23, 2012 Board of Directors meeting.

May 23, 2012

IRWD
P.O. Box 5149
Irvine, CA 92616

RECEIVED

MAY 25 2012

FINANCE
ORANGE RANCH WATER DISTRICT

Subject: Proposed Rate Change effective July 1, 2012

RE: Service to Cedar Glen Homeowners' Association
25885 Trabuco Road, Lake Forest, CA 92630

Cedar Glen Homeowners Association would like to file a protest regarding
the July 1, 2012 proposed rate change.

In particular, we believe the increase in meter fees is excessive at 24%
(\$59.45 to \$71.05). In reading the justification, such as it was, for the
increases, there was no reasonable explanation of why the water meter
fees which go to infrastructure replacement and enhancements were
increased so much. It would be helpful if the IRWD board published its
total amount needed for reserves (replacements and enhancements) and
then the percent funded so the rate payers had visibility into the funding
goal and where the District is in achieving that goal.

We support IRWD in its planning for replacements, however, this increase
is excessive.

Additionally, we would like to protest the manner in which sewer charges
are computed. Several local Orange County water agencies that include
sewer services to their customers, charge a flat rate for a basic sewer
charge, then charge a sewer usage fee which is based on the water use.

Cedar Glen Homeowners' Association understands reserve planning as we
have similar responsibilities for infrastructure replacement and
maintenance within our 321 unit condominium community.

Sincerely,

Sharon D. Brimer
Secretary, Cedar Glen HOA
On behalf of the Board of Directors

PRESIDENT
Ron Leman
VICE-PRESIDENT
Carol Fleischer
SECRETARY
Sharon D. Brimer
TREASURER
Julie Peterson-
Mindiola
DIRECTORS
Carolyn Kronnick

OUR MISSION

- Maintain and further develop Cedar Glen as a desirable and enjoyable residence for individuals and families of all ages.
- Create a safe environment through adherence to our by-laws, CC&R's and rules and regulations that will provide a quality community for our residents.
- Foster open communication among residents, committees, and the Board of Directors.

Property Management Firm
Seabreeze Management Company, Inc.
Contact: Megan Hewitt, Property Manager
39 Argonaut, Suite 100, Aliso Viejo, CA 92680
Phone 949-855-1800

IRWD: This is our Statement of Protest, According to the OC Register and Public Records the Irvine Ranch Water District has a SURPLUS in the excess of over 2 Million Dollars. Why should we pay more when you already have the money?

From: Mr. & Mrs. Joshua Evans
Address: 13800 Parkcenter Lane # 534, Tustin, CA, 92782

Sincerely,
Joshua Evans



RECEIVED

MAY 21 2012

FINANCE
IRVINE RANCH WATER DISTRICT

949. 697. 7183

Irvine Ranch Water District
P.O. Box 5149
Irvine, CA 92616

05/15/12

RE: Protest to Water and Sewer Rate Change

To: Board of Directors of the IRWD,

This letter is being written to protest the proposed Water and Sewer Rate Changes.

Since moving to Irvine in 2004, we have seen a rate increase every year. It is truly at the point of smelling like a "misappropriation of funds." Should this trend continue and this proposal pass; I highly suggest that an "over-sight" committee be put in place to assure the residence of Irvine, that we are not being taken advantage of.

Water is a life necessity! It would be grave in deed if the residence of Irvine were to fall victim to their most basic necessities.

Keeping an eye on this,



Ramin and Tina Redjai
101 Luminous
Irvine, CA 92603



RECEIVED

MAY 16 2012

FINANCE
IRVINE RANCH WATER DISTRICT

May 14, 2012

Irvine Ranch Water District
P.O. Box 5149
Irvine, California 92616

RECEIVED

MAY 15 2012

FINANCE
IRVINE RANCH WATER DISTRICT

Name: Sandeep J. Shah
Service Address: 20 Wildland, Irvine, California 92603-0224

Re: Notice of Proposed Water and Sewer Rate Change
Protest Letter

To Whom It May Concern:

This letter shall serve as my written statement of protest for the proposed water and sewer rate increases.

Sincerely,



SANDEEP J. SHAH

May 8, 2012

To Whom It May Concern:

I hope your Board of Directors read the article in the OC Register today 'Flush with cash"! It is really ironic that you send out your rate increase notices the same day as the article - you have millions in reserves but feel compelled to charge your customers even more money! Outrageous!

I hope the OC Board of Supervisors takes a good look at the recent OC Grand Jury recommendations and puts an end to special districts for just this reason!

I've included the article in case everyone over there missed it!

RECEIVED
MAY 14 2012
FINANCE
IRVINE RANCH WATER DISTRICT

31 Black Hawk
Irvine, CA 92603

SANTA ANA, CA 92705

09 MAY 2012 10 34
9632 *00.44 MAY 09 12
0211 MAILED FROM ZIP CODE 92603

ATTN:
Customer Service
Management

Irvine Ranch Water District
P.O. Box 5149
Irvine, CA 92616

917 N7E 1 9111 00 05/10/12
NOTIFY SENDER OF NEW ADDRESS
IRVINE RANCH WATER DISTRICT
15800 SAND CANYON AVE
IRVINE CA 92618-3102
BC: 92618310200 *0377-08889-09-43

506155148 800

|||||

June 25, 2012
Prepared and
Submitted by: N. Savedra
Approved by: P. Cook 

CONSENT CALENDAR

MINUTES OF REGULAR BOARD MEETING

SUMMARY:

Provided are the minutes of the June 11, 2012 Regular Board Meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE JUNE 11, 2012 REGULAR BOARD MEETING APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – June 11, 2012 Regular Board Meeting

EXHIBIT "A"

MINUTES OF REGULAR MEETING –JUNE 11, 2012

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:05 p.m. by President Matheis on June 11, 2012 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

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

Directors Absent: None.

Also Present: General Manager Cook, Assistant Director of Finance/Treasurer Rob Jacobson, Executive Director of Operations Pedersen, Executive Director of Engineering and Planning Burton, Executive Director of Water Policy Heiertz, Assistant Secretary Savedra, Legal Counsel Arneson, Director of Water Resources Weghorst, Director of Public Affairs Beeman, Assistant Director of Water Policy Sanchez, Assistant Controller Smithson, Mr. Jim Reed, Mr. Bruce Newell, Ms. Shannon Reed, Ms. McLaughlin, Ms. Maswadeh, Mr. Akiyoshi, Mr. Hoolihan, Mr. Ian Swift, and other members of the public and staff.

WRITTEN COMMUNICATION: None.

ORAL COMMUNICATION:

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

With respect to the Orange County Basin Groundwater Conjunctive Use Program being coordinated by Municipal Water District of Orange County (MWDOC) and Orange County Water District (OCWD), a Notice of Completion was approved by the OCWD Board of Directors on March 19, 2008. Metropolitan Water District has given notice to OCWD to extract 22,000 acre feet in fiscal year 2009-10. The extraction is being performed by agencies that constructed conjunctive use wells under this program. IRWD is not a participant. This was confirmed by Mr. Cook.

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

Anaheim have negotiated a joint MOU with OCWD to process and conduct environmental analysis of the annexation requests. The MOU was approved by the OCWD Board on July 21, 2010. This was confirmed by Mr. Cook.

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

Mr. Louis Denger addressed the Board relative to Consent Calendar item No. 12 "Suspension of Natural Treatment System Site No. 62 and Small Area Mitigation Site (SAMS) 1 Projects". Mr. Denger expressed his concerns on the health of SAMS 1 without completing the project. Director Swan explained that due to regulatory uncertainties under which the property would be constructed and operated, the district decided not to proceed with the construction.

ITEMS RECEIVED TOO LATE TO BE AGENDIZED: None.

PRESENTATION

UPDATE ON FEDERAL FUNDING

Using a Powerpoint presentation, Director of Water Resources Weghorst presented a history of appropriations and grants issued to the District under the District's Title XVI Authorization for Groundwater and Surface Water Improvement projects. Mr. Weghorst said that the Title XVI funding program is administered through the US Bureau of Reclamation and provides opportunities to reclaim naturally impaired ground and surface waters. The program requires congressional authorization of specific projects under Title XVI of P.L. 102-575. He said funding methods are through appropriations, the American Recovery and Reinvestment Act (ARRA) of 2009, and WaterSMART grants of up to \$20 million.

Mr. Weghorst said that in May 2004, Title XVI appropriation funding was authorized by Congress and awarded to IRWD for the Irvine Desalter Project in the amount of \$2.1 million. In June 2009, ARRA funds were awarded to the District for Wells 21 and 22 Project, Tustin Legacy Well 1 Project, and Natural Treatment System Site No. 67 Project for a total of \$13.8 million. In May 2012, the District received WaterSMART Grant funding for the Irvine Desalter Project in the amount of \$3.8 million. Mr. Weghorst said this was due to the diligence of Kellie Welch, Water Resources Manager, and he thanked her for her efforts in securing these funds. He said from 2008 through 2012, overall appropriations and grant amounts received by the District totaled \$19.7 million.

WORKSHOP

FISCAL YEAR 2012-13 CAPITAL BUDGET

General Manager Cook reported that the first Board workshop was held on May 29, 2012 where staff was asked to make the following revisions: 1) Projects that are nearing completion to be removed from the flagged projects list and include projects 1081 (Wells 21 and 22), 1498 (Lake Forest Well No. 2 Replacement/Wellhead), and 1520, 1167, 1236 (Great Park SAMP Update); and 2) All future Anaheim Well Field projects are to be flagged. Also, he said that staff has added Project 1578, Pond 3 Observation Deck and Projects 1570, 1602, and 1612, Santiago Canyon Area BPS Permanent Generators. Mr. Cook said with these revisions projected expenditures for the FY 2012-13 Capital Budget increased from \$64.0 million to \$64.4 million.

Using a PowerPoint presentation, Mr. Akiyoshi reported that in FY 2011-12, projected expenditures were estimated at \$116.2 million with actual expenditures projected at approximately \$106.6 million, or 92% of projected expenditures. He noted the Long Term Capital Program by funding sources, which includes all known existing and future capital projects and three years of replacement projects and the Annual Capital Budget providing an estimate of projected expenditures for the upcoming fiscal year as well as active project budgets in the fiscal year.

Mr. Akiyoshi reviewed the proposed increases to the long term capital program for the Syphon Reservoir expansion, the Baker Water Treatment Plant, Wells 51 and 52, Orange Park Acres Regional Groundwater project and others including offsets, as well as unexpected capital at July 1, 2011 and July 1, 2012. He further noted changes from the May 29, 2012 workshop.

Director Swan noted that the Finance and Personnel Committee has been discussing the tracking of changes in the capital budget from 2000. Director Reinhart suggested that this should include offsets as a result of new projects such as Syphon Reservoir that are added during the reference period and replace or eliminate other budgeted expenditures. Following discussion, on MOTION by Director Reinhart, seconded and unanimously carried, THE FOLLOWING RESOLUTION WAS ADOPTED BY TITLE:

RESOLUTION NO. 2012-23

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE
RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA,
APPROVING DISTRICT'S CAPITAL BUDGET
FOR FISCAL YEAR 2012-13

CONSENT CALENDAR

On MOTION by Director Swan, seconded and unanimously carried, CONSENT CALENDAR ITEMS 5 THROUGH 15 WERE APPROVED AS FOLLOWS:

5. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the May 29, 2012 Regular Board Meeting be approved as presented.

6. SELF-INSURED WORKERS' COMPENSATION COVERAGE

Recommendation: That the Board direct staff to continue to self-insure Workers' Compensation coverage using the District's current providers as outlined, bind coverage with CSAC Excess Insurance Authority at the \$125,000 self-insured retention level and authorize the continuation of the Third Party Administrator coverage with York Insurance Services.

7. 2012 STATE LEGISLATIVE UPDATE

Recommendation: That the Board take a SUPPORT position on SB 1251 (Evans) and SB 1535 (Padilla) and a WATCH position on AB 2063 (Alejo).

8. 2012 SELECTION OF STATE LOBBYIST/CONSULTANT

Recommendation: That the Board approve a one-year Professional Services Agreement, from July 1, 2012 through June 30, 2013, with O'Haren Government Relations in the amount of \$6,500 per month retainer plus reimbursable direct expenses for a total not to exceed \$85,800.

9. GRANT OF EASEMENT TO KERN WATER BANK AUTHORITY

Recommendation: That the Board adopt the following resolution by title:

RESOLUTION NO. 2012-24

RESOLUTION OF THE BOARD OF DIRECTORS OF
IRVINE RANCH WATER DISTRICT AUTHORIZING
THE GRANT OF EASEMENT FOR INGRESS AND
EGRESS PURPOSES TO KERN WATER BANK AUTHORITY

CONSENT CALENDAR- Continued

10. WATER SUPPLY ASSESSMENT FOR HERITAGE FIELDS PROJECT 2012 –
GENERAL PLAN AMENDMENT AND ZONE CHANGE

Recommendation: That the Board approve the Water Supply Assessment for Heritage Fields Project 2012 General Plan Amendment and Zone Change.

11. VERIFICATION OF SUFFICIENT WATER SUPPLIES FOR SHEA BAKER RANCH
(TENTATIVE TRACT MAP 16466)

Recommendation: That the Board approve the Verification of Sufficient Water Supplies for Shea Baker Ranch (Tentative Tract Map 16466).

12. SUSPENSION OF NATURAL TREATMENT SYSTEM SITE NO. 62 AND SMALL
AREA MITIGATION SITE 1 PROJECTS

Recommendation: That the Board authorize staff to notify the Environmental Protection Agency of the District's intent not to construct the Natural Treatment System Site 62 project, and request that the grant agreement be terminated.

13. QUITCLAIM OF REAL PROPERTY

Recommendation: That the Board adopt the following resolution by title:

RESOLUTION NO. 2012-25

RESOLUTION OF THE BOARD OF DIRECTORS OF
IRVINE RANCH WATER DISTRICT APPROVING
EXECUTION OF THE QUITCLAIM DEED TO
IAC APARTMENT DEVELOPMENT JV LLC

14. ORANGE PARK ACRES WELL REPLACEMENT PROJECT FINAL INITIAL
STUDY/MITIGATED NEGATIVE DECLARATION

Recommendation: That the Board find on the basis of the whole record before it (including the initial study and the comments received), *that there is* no substantial evidence that the Orange Park Acres Well Replacement Project will have a significant effect on the environment and that the Negative Declaration reflects IRWD's independent judgment and analysis; adopt the proposed Negative Declaration for the Orange Park Acres Well Replacement Project and Mitigation Monitoring and Reporting Program incorporated within the Mitigated Negative Declaration and approve the project; and direct staff to post and file a Notice of Determination and submit payment for the California Department of Fish and Game Filing fee.

CONSENT CALENDAR- Continued

15. REAPPOINTMENT OF COMMISSIONERS OF IRVINE RANCH WATER DISTRICT
JOINT POWERS AGENCY

Recommendation: Acting as the governing board of Irvine Ranch Water District and as the governing body of Community Facilities District No. 1 of Irvine Ranch Water District, appoint Steven LaMar, Mary Aileen Matheis, Douglas Reinhart, Peer Swan and John Withers as Commissioners of the Irvine Ranch Water District Joint Powers Agency.

ACTION CALENDAR

NEWPORT BAY WATERSHED TMDL PROGRAM – COOPERATIVE AGREEMENT
D11-066

General Manager Cook reported that the Newport Bay Watershed Committee (Committee) was established in 1978 to fund sediment dredging from Newport Bay. The Committee was composed of the County of Orange and cities in the Newport Bay watershed. With the establishment of Toxics Total Maximum Daily Load (TMDLs) for Newport Bay and its watershed, the Committee expanded its responsibility to address TMDL requirements. In 1999, IRWD joined the Committee to fund ongoing nutrient, fecal coliform and toxics monitoring studies through County Agreement D99-128.

Executive Director of Water Policy Heiertz reported that the D99-128 agreement will expire on June 30, 2012. The parties to the agreement have met over the past 12 months to develop the new County Agreement, D11-066. Mr. Heiertz said the key changes to the Cooperative agreement are: 1) The term of the agreement is three years instead of one year, with an option to extend for an additional three years if all the parties agree. The agreement becomes effective as soon as the last party has executed the agreement; 2) The work plan and budget will no longer require approval from 100% of the parties to the agreement. The new agreement will require approval from enough of the parties that together represent 90% of the cost share and at least 12 of the 13 parties (for voting purposes the County of Orange and the County of Orange Flood Control District constitute one party); and 3) The revised cost share allocation is incorporated into the agreement. It is based on weighted net land area and population within the watershed, which was the least complex option upon which the parties were able to reach consensus. The Flood Control District, IRWD and the Irvine Company are each assigned a fixed cost-share of 10%. Lennar is assigned a fixed cost-share of 0.15%. This represents a reduction in cost share for IRWD from 12.15% in the existing agreement to 10% in the new agreement.

Mr. Heiertz said that based upon the overall TMDL draft budget of \$1,494,912 for FY 2012-13, IRWD's 10% cost share would be approximately \$150,000. He said this funding was included in IRWD's FY 2012-13 Operating Budget and the new agreement, D11-066 will be on the agenda for the Board of Supervisors meeting on June 26, 2012, and has been circulated to the 13 parties to the agreement for approval.

Mr. Heiertz said the workplan and budget for FY 2012-13 has not yet been finalized, although the initial projection including a 5% contingency is approximately \$1.5 million. Therefore, IRWD's 10% cost share for FY 2012-13 would be approximately \$150,000. Funding for the watershed TMDL program was included in the FY 2012-13 Operating Budget.

Director LaMar reported that this item was reviewed by the Water Policy and Communications Policy Committee on June 7, 2012, and the Committee recommended participation and felt that IRWD's cost share should be refined on a nexus basis at some point in the future. Following discussion, on MOTION, by LaMar seconded and unanimously carried, THE BOARD APPROVED AGREEMENT D11-066 (AGREEMENT TO FUND NUTRIENT, FECAL COLIFORM AND TOXICS TOTAL MAXIMUM DAILY LOAD (TMDL) PROGRAMS IN THE NEWPORT BAY WATERSHED); AUTHORIZED THE GENERAL MANAGER TO EXECUTE THE AGREEMENT SUBJECT TO NON-SUBSTANTIVE CHANGES; AND APPROVED IRWD'S FUNDING SHARE OF UP TO \$150,000 FOR FISCAL YEAR 2012-13.

PASS THROUGH INDEMNIFICATION AGREEMENTS WITH ROSEDALE RIO BRAVO WATER STORAGE DISTRICT

General Manager Cook reported that IRWD has executed agreements for Pilot Exchange Programs with Antelope Valley-East Kern Water Agency (AVEK) and Carpinteria Valley Water District through the Central Coast Water Authority (CVWD/CCWA) that allow AVEK and CVWD/CCWA to store a portion of their unused State Water Project (SWP) Table A water in IRWD's Strand Ranch Integrated Banking Project (Water Bank) on an unbalanced exchange basis. He said that the Department of Water Resources (DWR) has prepared two exchange agreements and one delivery agreement to implement the unbalanced exchanges (DWR agreements). The respective agreements provide AVEK the ability to store up to 5,000 AF of Table A water and CVWD/CCWA to store up to 1,500 AF of Table A water.

Director of Water Resources Weghorst reported that these agreements are currently being executed by AVEK, Santa Barbara County Flood Control and Water Conservation District (on behalf of CVWD/CCWA), Metropolitan Water District of Southern California (Metropolitan), the Kern County Water Agency (KCWA) and DWR. KCWA is requiring that Rosedale-Rio Bravo Water Storage District (Rosedale) execute three indemnification agreements that correspond with each of the DWR agreements. He said that the DWR prepared two exchange agreements and one delivery agreement for the AVEK and CVWD/CCWA unbalanced exchange programs to be approved and executed by AVEK, Santa Barbara County Flood Control and Water Conservation District (Santa Barbara), Metropolitan and KCWA. Santa Barbara is required to execute an exchange agreement because they hold the rights to SWP Table A that is managed on its behalf by CCWA. KCWA is a party to the delivery agreement and exchange agreements to facilitate the delivery of the water in and out of the Water Bank and is required to indemnify DWR relative to the transactions in each of the agreements. These DWR agreements have been approved by each of the exchange program agencies and are currently being circulated for execution.

Mr. Weghorst said that as a condition of KCWA executing the DWR agreements, KCWA is requiring that Rosedale enter into separate agreements with KCWA that correspond with the

conditions of each of the three DWR agreements, in which Rosedale agrees to accept all obligations incurred by KCWA from the DWR agreements including claims of liability against the KCWA that arise as a result of the delivery of the CVWD/CCWA and AVEK water (KCWA/Rosedale agreements). He said that the long-term Water Banking and Exchange Agreement that Rosedale and IRWD executed on January 13, 2009 already provides for IRWD to pay all costs incurred by KCWA and Rosedale related to IRWD's water supply programs. District staff agrees that the other KCWA obligations included in the KCWA/Rosedale agreements should be passed through to IRWD.

Mr. Weghorst said that IRWD's legal counsel has prepared three draft template letter agreements between Rosedale and IRWD which will pass through KCWA's obligations from Rosedale to IRWD (Indemnification Agreements). He said that there are no fiscal impacts for the pass through of Rosedale's indemnification obligations to IRWD for the delivery of AVEK and VWD/CCWA's SWP Table A pursuant to the respective Pilot Exchange Programs.

Mr. Weghorst said that this item was not reviewed by the Water Banking Committee due to the time urgency related to getting the Department of Water Resources agreements executed and the water scheduled for delivery to the Water Bank. On MOTION, by Director Swan, seconded and unanimously carried, THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE THE THREE INDEMNIFICATION LETTER AGREEMENTS WITH ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT SUBJECT TO NON-SUBSTANTIVE CHANGES BY THE GENERAL MANAGER AND LEGAL COUNSEL TO THE LETTER AGREEMENTS AND SUBJECT TO NON-SUBSTANTIVE CHANGES TO THE THREE KERN COUNTY WATER DISTRICT / ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT AGREEMENTS.

RECESS AND RECONVENE

President Matheis declared a recess at 6:15 p.m. to permit the holding of meetings of the IRWD Water Service Corporation, IRWD Improvement Corporation, Bardeen Partners and the IRWD Joint Powers Agency. Following these, the IRWD Board meeting was reconvened with all Directors present.

GENERAL MANAGER'S COMMENTS

General Manager Cook reported that Southern California Edison has issued a check to IRWD in the amount of \$11,498. Said funds are to recognize IRWD for its participation to construct the Sand Canyon Professional Center and utilizing the energy efficient fixtures. He recognized Mr. Rob Jacobson for taking the lead and also Mr. Tom Bonkowski for his coordination efforts with SCE.

Mr. Cook said that IRWD will host the Dam safety seminar at IRWD next week. We have received a great response from other agencies i.e.; SMWD, ETWD, OCWD, TCWD and City of

Anaheim and they will send staff to attend the seminar. He thanked Dave Pedersen for coordinating this event.

Mr. Cook asked the Board to save Saturday, August 25, 2012 as Sea & Sage Audubon is celebrating its 20th year anniversary partnership with IRWD. The event will be held at San Joaquin Marsh Campus.

DIRECTORS' COMMENTS

Director Withers reported that he attended the Tustin's State of the City lunch. He said that it was a good event and was well attended. On Tuesday, he will attend the OCSD Administrative Committee meeting which will hold its first budget hearing. On Thursday, he and Director Matheis will attend the ISDOC workshop on the grand jury report.

Director LaMar reported he attended WACO, MWDOC's Planning and Operations Committee Meeting, and the League of California Cities Orange County Infrastructure Summit where Mr. Curt Pringle provided a presentation on cities dealing with new development due to the demise of redevelopment.

Director Reinhart reported on his attendance at WACO, MWDOC meetings and WaterReuse Desalination Research Conference and National Board meeting in San Diego. He attended the SOCWA Board meeting and reported that he is no longer a part of the SOCWA Executive Committee and that Ms. Laura Freeze is the new Vice Chairman.

Director Swan reported that he attended ISDOC Quarterly and WACO meetings. He said his time has been involved with the reorganization of ACWA. He is looking forward to attending the Kern County tour on IRWD's Water Banking projects on June 22nd.

Director Matheis reported she did not attend the WACO meeting. That she will attend the ISDOC workshop on Thursday, and she too is looking forward to the Kern County tour of IRWD's Water Banking project.

ADJOURNMENT

President Matheis adjourned the meeting at 6:32 p.m.

APPROVED AND SIGNED THIS 25TH DAY OF June, 2012.

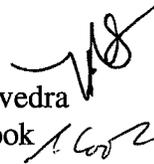
President, IRVINE RANCH WATER DISTRICT

Assistant Secretary, IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Legal Counsel - Bowie, Arneson, Wiles and Giannone

June 25, 2012
Prepared and
Submitted by: N. Savedra
Approved by: P. Cook



CONSENT CALENDAR

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

SUMMARY:

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

Events/Meetings

Steven LaMar

- 6/20/12 Alton Parking Extension Project Ribbon Cutting Ceremony
- 6/22/12 Kern County Tour of Water Banking Projects
- 6/26/12 SAWPA Carbon Footprint Workshop
- 6/28/12 Southern California Water Committee Stormwater Workshop

Mary Aileen Matheis

- 6/19/12 IRWD Representative at Orange County Forum
- 6/20/12 Monthly meeting with Paul Cook regarding District activities
- 6/21/12 Meeting with Anaheim Mayor Pro Tem Harry Sidhu
- 6/22/12 Kern County Tour IRWD's Water Banking Projects

Peer Swan

- 6/20/12 OCWA June Meeting
- 6/21/12 Meeting with Anaheim Mayor Pro Tem Harry Sidhu
- 6/22/12 Kern County Tour of IRWD's Water Banking Projects
- 6/26/12 ACWA Finance Committee Meeting, Sacramento, CA
- 6/28/12 Meeting with Paul Cook regarding District activities

RECOMMENDATION:

THAT THE BOARD RATIFY/APPROVE THE MEETINGS AND EVENTS FOR STEVEN LaMAR, MARY AILEEN MATHEIS, AND PEER SWAN AS DESCRIBED.

LIST OF EXHIBITS:

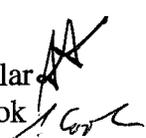
None

June 25, 2012

Prepared and

Submitted by: A. Aguilar

Approved by: Paul Cook



CONSENT CALENDAR

RESOLUTION COMMENDING IRAJ TAHERI
FOR HIS SERVICE TO THE DISTRICT

SUMMARY:

As Iraj Taheri will be leaving the District after 30 years of dedicated and outstanding service, staff has prepared a resolution, which is provided as Exhibit "A", to honor him.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE BOARD ADOPT THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2012 –

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT COMMENDING
IRAJ TAHERI FOR HIS DEDICATED AND
LOYAL SERVICE TO THE DISTRICT.

LIST OF EXHIBITS:

Exhibit "A" – Resolution

EXHIBIT "A"

RESOLUTION NO. 2012 -

**RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT COMMENDING
IRAJ TAHERI FOR HIS DEDICATED AND
LOYAL SERVICE TO THE DISTRICT**

WHEREAS, Iraj Taheri began his career as an Accounting Clerk 1 at the Irvine Ranch Water District on January 4, 1982; and

WHEREAS Iraj Taheri was promoted to Accounting Coordinator in September of 1998, then transferred to Purchasing Department as a Purchasing Coordinator in October 2000 until retirement; and

WHEREAS, Iraj Taheri is a respected purchasing professional; and was a source of Purchasing knowledge who provided guidance to many internal and external customers over the course of his career in Accounting and Purchasing departments; and

WHEREAS, Iraj Taheri continued his education and graduated from the University of Phoenix with a Bachelor of science degree in Accounting in June of 2002.

WHEREAS, all Board members, employees and other colleagues who have come to know Iraj Taheri will genuinely miss him; and

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors of the Irvine Ranch Water District commends Iraj Taheri for his long and loyal service. His dedication and outstanding service to the District stands as an example to all employees. On this occasion, the Board extends its best wishes to Iraj Taheri in his retirement.

SIGNED and APPROVED this 25th day of June, 2012.

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

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

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

By _____

June 25, 2012

Prepared by: Beth Beeman

Submitted by: Greg Heiertz

Approved by: Paul Cook 

CONSENT CALENDAR

JOINT RESOLUTION COMMENDING JOHN J. SCHATZ FOR 18 YEARS AS
GENERAL MANAGER FOR THE SANTA MARGARITA WATER DISTRICT

SUMMARY:

In coordination with El Toro Water District, Moulton Nigel Water District, South Coast Water District and Trabuco Canyon Water District, a joint resolution was prepared commending John J. Schatz for 18 years of service as General Manager for the Santa Margarita Water District. The resolution, provided as Exhibit "A," will be presented to John Schatz on Friday, June 22, 2012 at 7:30 a.m. during the Santa Margarita Water District Finance Committee meeting. Bob Hill, General Manager from El Toro Water District will be making the presentation.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE BOARD ADOPT THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2012 -

JOINT RESOLUTION COMMENDING JOHN J. SCHATZ
FOR 18 YEARS AS GENERAL MANAGER FOR
THE SANTA MARGARITA WATER DISTRICT

LIST OF EXHIBITS:

Exhibit "A" – Resolution

EXHIBIT “A”

RESOLUTION NO. 2012-

JOINT RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT, EL TORO WATER DISTRICT, MOULTON NIGUEL WATER DISTRICT, SOUTH COAST WATER DISTRICT, AND TRABUCO CANYON WATER DISTRICT HONORING JOHN J. SCHATZ AS GENERAL MANAGER OF THE SANTA MARGARITA WATER

WHEREAS, John Schatz is retiring after serving for 18 years as General Manager of the Santa Margarita Water District (SMWD) and working in the water industry for 35 years and is deserving of the highest commendations for serving as regional water steward, shaping the growth of south Orange County and providing unparalleled leadership to the District; and

WHEREAS, John is one of the longest serving water district General Managers in the State of California, and with his knowledge of water issues, he brought the south Orange County water agencies together to address challenges related to water supply reliability, encouraged shared services and advocated for political cohesiveness; and

WHEREAS, during John’s tenure at SMWD, the District maintained affordable services by holding the line on rate increases and finding cost-saving solutions; and

WHEREAS, John established a culture of efficiency at SMWD, doubling the number of connections, while reducing staffing from 163 to 122 employees by emphasizing cross training and expanding the use of technology; and

WHEREAS, under John’s leadership, SMWD partnered with Moulton Niguel Water District, the City of San Clemente, the City of San Juan Capistrano and the South Coast Water District to complete the \$54 million Upper Chiquita Reservoir, creating the largest domestic water reservoir built in south Orange County in 45 years and providing drinking water to some 500,000 South County resident for up to one week in an emergency; and

WHEREAS, years earlier, John engaged in another highly successful partnership with El Toro Water District and Moulton Niguel Water Districts to expand the El Toro Water District’s Regional Reservoir, which increased emergency water storage by 51 million gallons at a fraction of the cost of building separate storage facilities; and

WHEREAS, John was also instrumental in the development and implementation of the Dove Canyon Conservation and Water Recovery projects, one-of-a-kind project in which Trabuco Canyon and Santa Margarita Water Districts divert runoff from Dove Canyon to Portola Reservoir and Dove Lake and gain about 200 acre-feet annually of recycled water; and

WHEREAS, another example of John’s regional engagement and skill in fostering collaboration is the Baker Water Treatment Plant, a proposed regional project to increase water

supply reliability by increasing local treatment capacity in partnership with Irvine Ranch, El Toro, Moulton Niguel and Trabuco Canyon Water Districts; and

WHEREAS, John also helped in the consolidation of the Aliso Water Management Agency, the South East Regional Reclamation Authority, and the South Orange County Reclamation Authority in 2001 to form the South Orange County Wastewater Authority; and

WHEREAS, a highly respected authority on water reliability, John was appointed by the State Legislature to the Commission on Local Governance for the 21st Century in 1998 and from 2000 to 2004 he served as an instructor on “Water Policy in Southern California” for the University of California at Irvine and for several years served as a member of the Association of California Water Agencies’; State Legislative Committee.

NOW, THEREFORE BE IT RESOLVED that Irvine Ranch Water District, El Toro Water District, Moulton Niguel Water District, South Coast Water District and Trabuco Canyon Water District are proud to honor John Schatz for 35 years of leadership and dedication to the water industry, his legacy of innovation is visible through the region and wish him well in all his future endeavors.

ADOPTED, SIGN AND APPROVED on this 25th day of June, 2012.

Irvine Ranch Water District

El Toro Water District

Moulton Niguel Water District

South Coast Water District

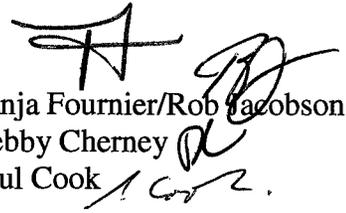
Trabuco Canyon Water District

June 25, 2012

Prepared by: Tanja Fournier/Rob Jacobson

Submitted by: Debby Cherney

Approved by: Paul Cook



CONSENT CALENDAR

MAY 2012 FINANCIAL REPORTS

SUMMARY:

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

- A. The Investment Summary Report for May 2012. This Investment Summary Report is in conformity with the 2012 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, 2012, as outlined in Exhibit "B".
- C. The Summary of Payroll ACH payments in the total amount of \$1,365,196.29, as outlined in Exhibit "C".
- D. The May 31, 2012 Disbursement Summary of the tabulation of Warrant Nos. 329643 through 330490, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$20,113,174.92.

FISCAL IMPACTS:

As of May 31, 2012, the book value of the investment portfolio was \$345,485,028 with a 0.45% rate of return and a market value of \$345,771,795. Based on the District's March 31, 2012 quarterly real estate investment rate of return of 11.20%, the District's weighted average return for the fixed income and real estate investments was 2.12%.

As of May 31, 2012, 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 \$639,072 and negative \$6,840,801 fiscal year to date.

Payroll ACH payments totaled \$1,365,196.29 and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll and water purchases for May totaled \$20,113,174.92.

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 AND THE MONTHLY INTEREST RATE SWAP SUMMARY FOR MAY 2012; APPROVE THE MAY 2012 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$1,365,196.29, AND APPROVE THE MAY 2012 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS NOS. 329643 THROUGH 330490, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$20,113,174.92.

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

IRVINE RANCH WATER DISTRICT
SUMMARY OF MATURITIES

05/31/12

PORTFOLIO \$345,263,907

DATE	TOTAL	%	LAIF	AGENCIES	CAL REV NOTES	MONEY MARKET SAVINGS & SWEEP	Collateral * Deposit
5/12	\$210,263,907	60.90%	\$181,770,817		2,000,000	3,275,158	\$23,217,932
6/12							
7/12							
8/12							
9/12							
10/12							
11/12							
12/12							
1/13							
2/13							
3/13							
04/13	\$5,000,000	1.45%		5,000,000			
SUB-TOTAL	\$215,263,907	62.35%	\$181,770,817	5,000,000	2,000,000	3,275,158	\$23,217,932

13 Months - 3 YEARS

5/1/2013 - 6/30/2013							
7/1/2013 - 9/30/2013	5,000,000	1.45%		5,000,000			
10/1/2013 - 12/31/2013	\$10,000,000	2.90%		10,000,000			
1/1/2014 - 3/31/2014	\$10,000,000	2.90%		10,000,000			
4/1/2014 - 6/30/2014	\$25,000,000	7.24%		25,000,000			
7/1/2014 - 9/30/2014	\$20,000,000	5.79%		20,000,000			
10/1/2014 - 12/31/2014	\$20,000,000	5.79%		20,000,000			
1/1/2015 - 3/31/2015	\$30,000,000	8.69%		30,000,000			
4/1/2015 - 6/30/2015	\$10,000,000	2.90%		10,000,000			
TOTALS	\$345,263,907	100.00%	\$181,770,817	135,000,000	2,000,000	3,275,158	\$23,217,932

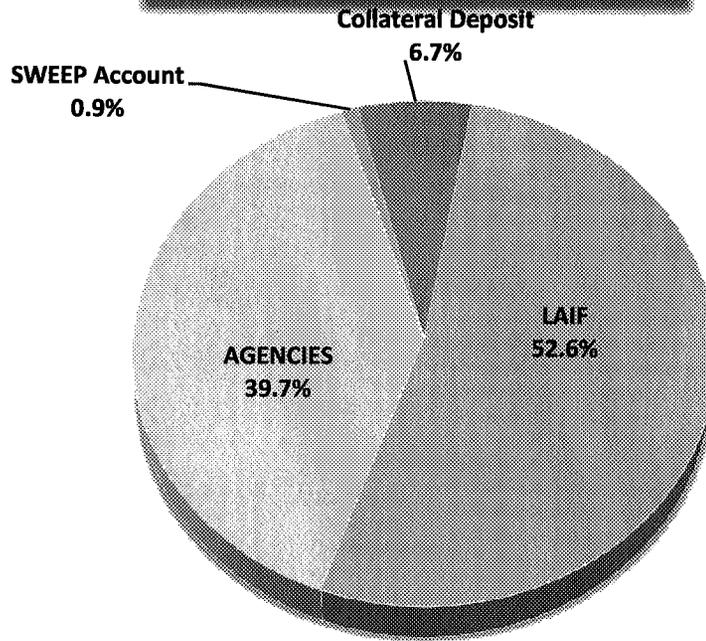
% OF PORTFOLIO 52.65% 39.10% 0.58% 0.95% 6.72%

* Return of posted collateral is dependant on interest rates.

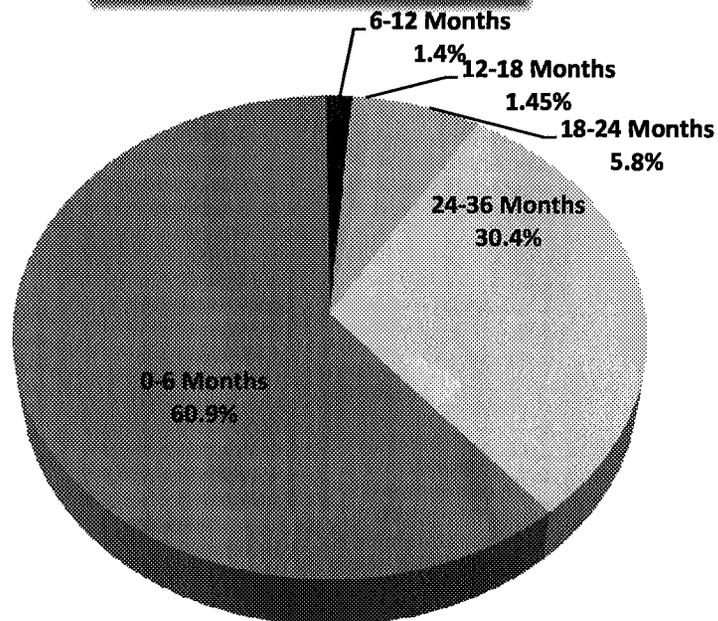
MAY 2012 INVESTMENT PORTFOLIO

As of May 31, 2012

Portfolio by Investment Type



Portfolio by Maturities



Irvine Ranch Water District
 Summary of Real Estate
 3/31/2012

	<u>ACQUISITION DATE</u>	<u>PROPERTY TYPE</u>	<u>OWNERSHIP INTEREST</u>	<u>ORIGINAL COST</u>	<u>RATE OF RETURN QUARTER ENDED Mar-12</u>
Sycamore Canyon	Dec-92	Apartments	Fee Simple	43,550,810	14.01%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	8.40%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	5,739,845	8.76%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	8,630,577	0.61%
				<u>\$ 63,921,232</u>	<u>11.20%</u>

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

Joint Powers Agency - Investment Contracts

3/31/2012

Settlement Date	JPA Issue	Investment Contract	Original Cost	Current Par	Market Value 03/31/12
10/25/1994	JPA - Issue #1	AIG Matched Funding Corp. 7.705% Due 2-15-14	\$ 407,878,616	\$ 254,407,400	\$ 254,407,400
10/25/1994	JPA - Issue #2	Federal National Mortgage Assoc. 8.18% Due 2-15-14	\$ 518,644,189	\$ 380,043,068	\$ 432,203,980
			<u>\$ 926,522,805</u>	<u>\$ 634,450,468</u>	<u>\$ 686,611,380</u>

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT
INVESTMENT ACTIVITY
May-12

MATURITIES/SALES

PURCHASES

DATE	SECURITY TYPE	PAR	YIELD	DATE	SECURITY TYPE	PAR	YIELD
				5/23/2012	FHLB	\$5,000,000	0.39%

LAIF ACTIVITY

05/18/12	LAIF - BAB's	(\$5,100,000)
05/23/12	LAIF	(\$1,000,000)
05/24/12	LAIF	(\$2,200,000)
	Increase/(Decrease)	<u>(\$8,300,000)</u>

COLLATERALIZED DEPOSIT ACTIVITY

Balance Forward	\$20,551,164
Merrill	\$250,000
CITIGROUP	<u>\$2,416,768</u>
Balance at 5/31	<u>\$23,217,933</u>

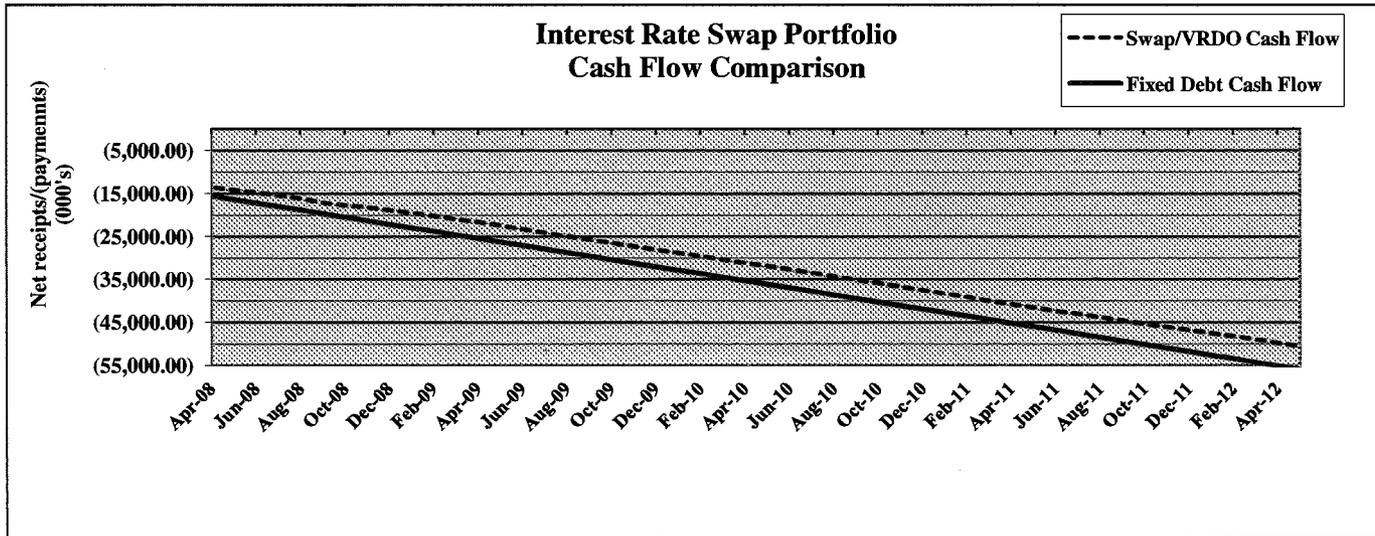
**IRVINE RANCH WATER DISTRICT
INTEREST RATE SWAP MONTHLY SUMMARY REPORT - DETAIL
May 31, 2012**

Exhibit "B"

								LIBOR Avg %					
								Prior Mo.	Current Mo.	12 Mo. Avg.			
								0.24%	0.24%	0.24%			
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	7.0	ML	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (102,484)	\$ (102,662)	\$ (1,098,659)	\$ (4,950,249)	\$ 13,325,771	\$ (6,674,229)
6/4/2006	6/4/2019	7.0	CG	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (102,484)	\$ (102,662)	(1,098,659)	(4,950,249)	13,324,242	(6,675,758)
6/17/2006	6/17/2019	7.0	CG	\$ 30,000,000	FXP	LIBOR	6.140%	\$ (152,193)	\$ (152,394)	(1,631,605)	(7,329,791)	20,070,961	(9,929,039)
3/10/2007	3/10/2029	16.8	ML	\$ 30,000,000	FXP	LIBOR	5.687%	\$ (140,476)	\$ (140,677)	(1,505,939)	(6,426,473)	14,665,907	(15,334,093)
3/10/2007	3/10/2029	16.8	CG	\$ 30,000,000	FXP	LIBOR	5.687%	\$ (140,476)	\$ (140,677)	(1,505,939)	(6,426,473)	14,675,589	(15,324,411)
Totals/Weighted Avgs		11.5		\$ 130,000,000			5.949%	\$ (638,113)	\$ (639,072)	\$ (6,840,801)	\$ (30,083,236)	\$ 76,062,470	\$ (53,937,530)
Total Current Year Active Swaps				\$ 130,000,000				\$ (638,113)	\$ (639,072)	\$ (6,840,801)	\$ (30,083,236)	\$ 76,062,470	\$ (53,937,530)

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

Current Fiscal Year - Total Swaps								Cash Flow				Mark to Market	
Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Current Mark to Market	Notional Difference								
\$ (638,113)	\$ (639,072)	\$ (6,840,801)	\$ (30,083,236)	\$ 76,062,470	\$ (53,937,530)								



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt	
	<u>Cash Flow to Date</u>
Synthetic Fixed =	\$50,541,132
Fixed Rate =	\$55,934,818
Assumptions:	
- Fixed rate debt issued at 5.10% in Jun-06, and 4.93% in Mar-07 (estimated TE rates - Bloomberg)	
- 'Synthetic' includes swap cash flow + interest + fees to date	

Exhibit "C"

MONTHLY SUMMARY OF WIRE TRANSFERS AND ACH PAYMENTS

May
2012

DATE	AMOUNT	VENDOR	PURPOSE
5/4/2012	678,289.63	BANK OF AMERICA	PAYROLL 05/04/12
5/18/2012	686,906.66	BANK OF AMERICA	PAYROLL 05/18/12
	<u><u>\$1,365,196.29</u></u>		

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 1
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
329643		03-MAY-12	PAYNE & FEARS LLP	PAY	500.00			Negotiable
329644		03-MAY-12	LOCHRIDGE, DAVID	RANCHO SANTA MA	7,722.00			Negotiable
329645		03-MAY-12	LUPISAN, ANGEL JR	OCEANSIDE	1,267.45			Negotiable
329646		03-MAY-12	SATCON TECHNOLOGY CORPORATION	WOBURN	12,118.00			Negotiable
329647		03-MAY-12	ORANGE COUNTY SANITATION DISTRICT	FOUNTAIN VALLEY	1,570.00			Negotiable
329648		03-MAY-12	REED, JAMES D	PURCHASE_P AY	1,905.89			Negotiable
329649		03-MAY-12	Jose Silva	HOME	210.00			Negotiable
329650		03-MAY-12	ORANGE COUNTY FIREIRVINE AUTHORITY		915.00			Negotiable
329651		03-MAY-12	STATE BOARD OF EQUALIZATION	SACRAMENTO	829.08			Negotiable
329652		03-MAY-12	Cheryl Kelly		192.34			Negotiable
329653		03-MAY-12	Gretchen Maswadeh		52.80			Negotiable
329654		03-MAY-12	Jo Ann Corey		103.95			Negotiable
329655		03-MAY-12	John Tettemer		108.24			Negotiable
329656		03-MAY-12	Kirsten McLaughlin		126.00			Negotiable
329657		03-MAY-12	Lars Oldewage		108.35			Negotiable
329658		03-MAY-12	Ricky Ruiz		65.00			Negotiable
329659		03-MAY-12	Rudy Ocampo		50.00			Negotiable
329660		03-MAY-12	Wayne Posey		24.98			Negotiable
329661		03-MAY-12	AARP HEALTH CARE OPTIONS		210.92			Negotiable
329662		03-MAY-12	ACCURATE AIR ENGINEERING INC		1,926.76			Negotiable
329663		03-MAY-12	ACTION ELECTRIC CORP		361.35			Negotiable
329664		03-MAY-12	ALEXANDER CONTRACT SERVICES INC		98,291.16			Negotiable
329665		03-MAY-12	ALL AMERICAN SEWER TOOLS		6,785.12			Negotiable
329666		03-MAY-12	ANCHOR SCIENTIFIC INC		708.79			Negotiable
329667		03-MAY-12	ANTHEM BLUE CROSS		1,085.60			Negotiable
329668		03-MAY-12	AOSAFETY		673.76			Negotiable
329669		03-MAY-12	APCO GRAPHICS INC		310.77			Negotiable
329670		03-MAY-12	APD CONSULTANTS INC		4,970.00			Negotiable
329671		03-MAY-12	AQUA BEN CORPORATION		33,396.90			Negotiable
329672		03-MAY-12	ARCADIS U.S., INC.		10,187.00			Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 2
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
329673		03-MAY-12	ARMORCAST PRODUCTS COMPANY		6,221.32			Negotiable
329674		03-MAY-12	AT&T		50.59			Negotiable
329675		03-MAY-12	AT&T		242.72			Negotiable
329676		03-MAY-12	BANK OF AMERICA		19,606.70			Negotiable
329677		03-MAY-12	BCGR		797.50			Negotiable
329678		03-MAY-12	BOWIE, ARNESON, WILES & GIANNONE		73,223.20			Negotiable
329679		03-MAY-12	BRENNTAG PACIFIC INC		21,286.83			Negotiable
329680		03-MAY-12	BRITHINEE ELECTRIC		6,677.27			Negotiable
329681		03-MAY-12	BROWN AND CALDWELL		2,918.59			Negotiable
329682		03-MAY-12	C WELLS PIPELINE MATERIALS INC		737.35			Negotiable
329683		03-MAY-12	CALIFORNIA BARRICADE INC		2,115.00			Negotiable
329684		03-MAY-12	CALPERS		13,291.20			Negotiable
329685		03-MAY-12	CANON BUSINESS SOLUTIONS INC		6,180.36			Negotiable
329686		03-MAY-12	CANON FINANCIAL SERVICES INC		3,068.25			Negotiable
329687		03-MAY-12	CARDIAC SCIENCE CORPORATION		5,633.15			Negotiable
329688		03-MAY-12	CERTIFIED TRANSPORTATION		626.42			Negotiable
329689		03-MAY-12	CHEM TECH INTERNATIONAL INC		3,913.25			Negotiable
329690		03-MAY-12	CHUBB FIRE &		925.00			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
329691	03-MAY-12		SECURITY (CA) INC CHUBB FIRE & SECURITY (CA) INC		250.00			Negotiable
329692	03-MAY-12		CITY OF IRVINE		162.00			Negotiable
329693	03-MAY-12		CLA-VAL COMPANY		13,705.57			Negotiable
329694	03-MAY-12		CLEARINGHOUSE		528.45			Negotiable
329695	03-MAY-12		COASTAL IGNITION & CONTROLS, INC		738.80			Negotiable
329696	03-MAY-12		COMMERCIAL CLEANING SYSTEMS INC		10,605.99			Negotiable
329697	03-MAY-12		ONEYBEARE INC		3,610.38			Negotiable
329698	03-MAY-12		CORRPRO COMPANIES INC		1,095.00			Negotiable
329699	03-MAY-12		COX COMMUNICATIONS		97.19			Negotiable
329700	03-MAY-12		D & H WATER SYSTEMS INC.		2,414.13			Negotiable
329701	03-MAY-12		DATASITE INC		2,968.00			Negotiable

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 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								
329702	03-MAY-12		DEE JASPAR & ASSOCIATES, INC.		1,094.20			Negotiable
329703	03-MAY-12		DUDEK		16,306.93			Negotiable
329704	03-MAY-12		ENVIRONMENTAL RESOURCE ASSOCIATES		372.83			Negotiable
329705	03-MAY-12		EVERGREEN OIL INC		225.00			Negotiable
329706	03-MAY-12		EXPRESSAIR		406.50			Negotiable
329707	03-MAY-12		FARRELL & ASSOCIATES		474.10			Negotiable
329708	03-MAY-12		FIRST HEALTH LIFE AND HEALTH INSURANCE COMPANY		38.70			Negotiable
329709	03-MAY-12		FISERV		658.25			Negotiable
329710	03-MAY-12		FISHER SCIENTIFIC COMPANY LLC		899.73			Negotiable
329711	03-MAY-12		FLEETWOOD CONTINENTAL INC		1,940.03			Negotiable
329712	03-MAY-12		FLW SERVICE CORPORATION		1,310.00			Negotiable
329713	03-MAY-12		FORTIS RESOURCE PARTNERS INC		13,668.80			Negotiable
329714	03-MAY-12		FRANCHISE TAX BOARD		430.44			Negotiable
329715	03-MAY-12		GP ELECTRIC MOTOR SERVICE		220.00			Negotiable
329716	03-MAY-12		GRAINGER		394.82			Negotiable
329717	03-MAY-12		GRAYBAR ELECTRIC COMPANY		1,415.30			Negotiable
329718	03-MAY-12		HARPER & ASSOCIATES ENGINEERING INC		1,157.60			Negotiable
329719	03-MAY-12		HARRINGTON INDUSTRIAL PLASTICS LLC		2,369.33			Negotiable
329720	03-MAY-12		HDR ENGINEERING INC		160,378.13			Negotiable
329721	03-MAY-12		HEARTLAND BUSINESS CREDIT CORPORATION		570.58			Negotiable
329722	03-MAY-12		HILL BROTHERS CHEMICAL COMPANY		15,934.74			Negotiable
329723	03-MAY-12		HOME DEPOT USA INC		43.09			Negotiable
329724	03-MAY-12		HOPKINS TECHNICAL PRODUCTS INC		5,795.27			Negotiable
329725	03-MAY-12		HR/LABOR SOLUTIONS INC		6,684.71			Negotiable

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 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								
329726	03-MAY-12		HUMANA INSURANCE COMPANY		20.90			Negotiable
329727	03-MAY-12		IDENTICARD SYSTEMS WORLDWIDE INC		121.39			Negotiable
329728	03-MAY-12		INDUSTRIAL ELECTRIC MACHINERY LLC		5,109.57			Negotiable
329729	03-MAY-12		INTERNAL REVENUE SERVICE		1,462.79			Negotiable

Bank Account Currency: USD (US Dollar)
 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								
329773		03-MAY-12	TEKDRAULICS		9,879.97			Negotiable
329774		03-MAY-12	TETRA TECH, INC		22,143.40			Negotiable
329775		03-MAY-12	THE GAS COMPANY		1,582.28			Negotiable
329776		03-MAY-12	TIC-IPG-LAND		31.93			Negotiable
329777		03-MAY-12	TRUGREEN LANDCARE LLC		150.00			Negotiable
329778		03-MAY-12	UNITED PARCEL SERVICE INC		20.00			Negotiable
329779		03-MAY-12	US BANK NAT'L ASSOCIATION NORTH DAKOTA		89,095.74			Negotiable
329780		03-MAY-12	US PEROXIDE LLC		20,981.55			Negotiable
329781		03-MAY-12	VERIZON CALIFORNIA INC		170.08			Negotiable
329782		03-MAY-12	WASTE MANAGEMENT OF ORANGE COUNTY		1,606.28			Negotiable
329783		03-MAY-12	WAXIE'S ENTERPRISES, INC		747.68			Negotiable
329784		03-MAY-12	WIELAND ACOUSTICS INC		1,282.49			Negotiable
329785		03-MAY-12	XYLEM DEWATERING SOLUTIONS INC		2,366.19			Negotiable
329786		03-MAY-12	YUI HSIEH		540.00			Negotiable
329787		04-MAY-12	PSB THE MARKETING LAKE SUPERSOURCE FOREST		30,692.43			Negotiable
329788		10-MAY-12	EISEL ENTERPRISES PLACENTIA INC		10,083.27			Negotiable
329789		10-MAY-12	Christopher Fike		170.00			Negotiable
329790		10-MAY-12	Edward Corral		50.00			Negotiable
329791		10-MAY-12	Erika Blaska		34.20			Negotiable
329792		10-MAY-12	Jack Morales		141.34			Negotiable
329793		10-MAY-12	Jacob Moeder		125.00			Negotiable
329794		10-MAY-12	Jeffrey Schreck		120.00			Negotiable
329795		10-MAY-12	Kevin Burton		125.00			Negotiable
329796		10-MAY-12	Martha Ramos		189.65			Negotiable
329797		10-MAY-12	Matthew Daniel		66.00			Negotiable
329798		10-MAY-12	Richard Mori		125.00			Negotiable
329799		10-MAY-12	Ricky Ruiz		80.00			Negotiable
329800		10-MAY-12	Steven Tolerico		125.00			Negotiable
329801		10-MAY-12	Thanh-Van Cady		170.00			Negotiable
329802		10-MAY-12	A & Y ASPHALT CONTRACTORS INC		9,777.00			Negotiable
329803		10-MAY-12	ABDELRAHIM, MOHAMED		13.71			Negotiable
329804		10-MAY-12	ACTION ELECTRIC CORP		862.97			Negotiable

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 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								
329805		10-MAY-12	ACWA		31,794.12			Negotiable
329806		10-MAY-12	ADS LLC		10,067.00			Negotiable
329807		10-MAY-12	ADVANCED CALIBRATION DESIGNS INC		1,145.00			Negotiable
329808		10-MAY-12	AIRGAS-WEST, INC.		1,713.72			Negotiable
329809		10-MAY-12	ALLIANT INSURANCE SERVICES, INC		7,779.00			Negotiable
329810		10-MAY-12	AMERICAN MESSAGING SERVICES LLC		298.26			Negotiable
329811		10-MAY-12	ANTHEM BLUE CROSS		525.96			Negotiable
329812		10-MAY-12	AQUA-METRIC SALES COMPANY		12,895.96			Negotiable
329813		10-MAY-12	ARCADIS U.S., INC.		248.50			Negotiable
329814		10-MAY-12	AT&T		3,089.05			Negotiable
329815		10-MAY-12	AT&T		1,874.32			Negotiable
329816		10-MAY-12	AT&T		121.50			Negotiable
329817		10-MAY-12	BDC SPECIAL WASTE		200.00			Negotiable
329818		10-MAY-12	BERHALTER, GREGG		34.77			Negotiable
329819		10-MAY-12	BILL'S SWEEPING SERVICE INC		805.00			Negotiable
329820		10-MAY-12	BIOMAGIC INC		1,865.81			Negotiable
329821		10-MAY-12	BLACK & VEATCH CORPORATION		213,978.40			Negotiable
329822		10-MAY-12	BOTHA, JOHNES		21.45			Negotiable
329823		10-MAY-12	BOYD-BILGER, ALBERT		20.33			Negotiable
329824		10-MAY-12	BRITHINEE ELECTRIC		1,914.01			Negotiable
329825		10-MAY-12	BUSH & ASSOCIATES		6,716.00			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
329826	10-MAY-12	INC C WELLS PIPELINE MATERIALS INC			13,848.80			Negotiable
329827	10-MAY-12	CAL WATER PURIFICATION			80.00			Negotiable
329828	10-MAY-12	CALIFORNIA BARRICADE INC			3,135.00			Negotiable
329829	10-MAY-12	CALIFORNIA MUNICIPAL STATISTICS INC			3,200.00			Negotiable
329830	10-MAY-12	CALIFORNIA UTILITY EQUIPMENT INC.			92.46			Negotiable
329831	10-MAY-12	CANON BUSINESS SOLUTIONS INC			932.26			Negotiable
329832	10-MAY-12	CANON FINANCIAL SERVICES INC			3,232.75			Negotiable

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 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								
329833	10-MAY-12	CAPTIVE AUDIENCE MARKETING INC.			85.12			Negotiable
329834	10-MAY-12	CARL WARREN & CO			1,185.71			Negotiable
329835	10-MAY-12	CERTIFIED TRANSPORTATION			626.42			Negotiable
329836	10-MAY-12	CH2M HILL, INC			45,219.17			Negotiable
329837	10-MAY-12	CHUBB FIRE & SECURITY (CA) INC			475.00			Negotiable
329838	10-MAY-12	CITY OF IRVINE			138.00			Negotiable
329839	10-MAY-12	COAST PNEUMATICS, INC.			61.31			Negotiable
329840	10-MAY-12	COMMERCIAL DOOR OF ORANGE COUNTY, INC.			846.50			Negotiable
329841	10-MAY-12	CONDITION MONITORING SERVICES INC			5,886.25			Negotiable
329842	10-MAY-12	CONEYBEARE INC			6,741.50			Negotiable
329843	10-MAY-12	CONNELLY, LEIGH			70.93			Negotiable
329844	10-MAY-12	CONTROLLED KEY SYSTEMS INC			279.00			Negotiable
329845	10-MAY-12	CR & R INCORPORATED			11.98			Negotiable
329846	10-MAY-12	CRESTLINE SPECIALTIES CO INC			4,620.88			Negotiable
329847	10-MAY-12	CROSSBRIDGE SOLUTIONS INC			114.63			Negotiable
329848	10-MAY-12	D & G SIGNS			1,094.23			Negotiable
329849	10-MAY-12	DARLING INTERNATIONAL			1,860.00			Negotiable
329850	10-MAY-12	DATA SITE INC			8,354.00			Negotiable
329851	10-MAY-12	DAVALOS, ARNOLDO			43.08			Negotiable
329852	10-MAY-12	DEMELO, MARCELO			34.65			Negotiable
329853	10-MAY-12	DEPARTMENT OF WATER RESOURCES			55,962.00			Negotiable
329854	10-MAY-12	DJ NELSON & SON POOL SERVICE			2,247.55			Negotiable
329855	10-MAY-12	DME INC			172.43			Negotiable
329856	10-MAY-12	DOYLES, ERIN			16.03			Negotiable
329857	10-MAY-12	DUDEK			4,582.50			Negotiable
329858	10-MAY-12	DWYER INSTRUMENTS INC			1,436.99			Negotiable
329859	10-MAY-12	EAGLE GRAPHICS INC			2,259.13			Negotiable
329860	10-MAY-12	EAST ORANGE COUNTY WATER DISTRICT			472.27			Negotiable
329861	10-MAY-12	EDWARDS, DAMIEN			28.38			Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 9
 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								
329862	10-MAY-12	EI&C ENGINEERING INC			12,350.00			Negotiable
329863	10-MAY-12	EMPLOYEE BENEFIT SPECIALIST, INC			680.00			Negotiable
329864	10-MAY-12	EMPLOYMENT DEVELOPMENT DEPARTMENT			3,376.60			Negotiable
329865	10-MAY-12	ENDRESS AND HAUSER INC			3,620.76			Negotiable
329866	10-MAY-12	ENVIRONMENTAL RESOURCE			9,744.21			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
329867		10-MAY-12	ASSOCIATES EQUIPMENT DIRECT INC		273.31			Negotiable
329868		10-MAY-12	ESA PWA		6,347.50			Negotiable
329869		10-MAY-12	EVOLVE MEDIA		5,632.00			Negotiable
329870		10-MAY-12	EXPRESSAIR		70.00			Negotiable
329871		10-MAY-12	EXTERRAN ENERGY SOLUTIONS LP		9,498.34			Negotiable
329872		10-MAY-12	EZ LUBE LLC		17.33			Negotiable
329873		10-MAY-12	FARRELL & ASSOCIATES		899.30			Negotiable
329874		10-MAY-12	FERGUSON WATERWORKS		3,470.85			Negotiable
329875		10-MAY-12	FIDELITY SECURITY LIFE INSURANCE COMPANY		5,740.64			Negotiable
329876		10-MAY-12	FIRST CHOICE SERVICES		1,193.47			Negotiable
329877		10-MAY-12	FISHER SCIENTIFIC COMPANY LLC		2,715.08			Negotiable
329878		10-MAY-12	FLATIRON WEST INC		1,356,502.22			Negotiable
329879		10-MAY-12	FLEETWOOD CONTINENTAL INC		1,898.50			Negotiable
329880		10-MAY-12	FORT, ERIK		47.89			Negotiable
329881		10-MAY-12	FORTIS RESOURCE PARTNERS INC		5,680.40			Negotiable
329882		10-MAY-12	FSA IMPORTS		40.02			Negotiable
329883		10-MAY-12	FT ZIEBARTH COMPANY		271,847.98			Negotiable
329884		10-MAY-12	GAGNE, JOSH		30.55			Negotiable
329885		10-MAY-12	GENTERRA CONSULTANTS INC		3,141.25			Negotiable
329886		10-MAY-12	GLOBALSTAR INC		170.13			Negotiable
329887		10-MAY-12	GMU GEOTECHNICAL INC		5,077.50			Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 10
 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								
329888		10-MAY-12	GOLDMAN, SACHS & CO		19,920.55			Negotiable
329889		10-MAY-12	GP ELECTRIC MOTOR SERVICE		4,039.95			Negotiable
329890		10-MAY-12	GRAINGER		468.86			Negotiable
329891		10-MAY-12	GUO, YONG		16.68			Negotiable
329892		10-MAY-12	HACH COMPANY		2,364.44			Negotiable
329893		10-MAY-12	HARMSWORTH ASSOCIATES		2,340.00			Negotiable
329894		10-MAY-12	HARRINGTON INDUSTRIAL PLASTICS LLC		1,161.33			Negotiable
329895		10-MAY-12	HILL BROTHERS CHEMICAL COMPANY		13,155.98			Negotiable
329896		10-MAY-12	HILLEBRECHT, WARREN K		135.28			Negotiable
329897		10-MAY-12	HOME DEPOT USA INC		1,479.45			Negotiable
329898		10-MAY-12	HR/LABOR SOLUTIONS INC		2,493.75			Negotiable
329899		10-MAY-12	IDENTICARD SYSTEMS WORLDWIDE INC		379.67			Negotiable
329900		10-MAY-12	II FUELS INC		15,157.50			Negotiable
329901		10-MAY-12	INDUSTRIAL METAL SUPPLY CO		829.71			Negotiable
329902		10-MAY-12	IRVINE PIPE & SUPPLY INC		3,115.29			Negotiable
329903		10-MAY-12	JCI JONES CHEMICALS INC		10,107.90			Negotiable
329904		10-MAY-12	JOHN G. ALEVIZOS D.O. INC.		280.00			Negotiable
329905		10-MAY-12	KELLY SERVICES INC		1,532.16			Negotiable
329906		10-MAY-12	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		325.00			Negotiable
329907		10-MAY-12	KOELLER NEBEKER CARLSON & HALUCK, LLP		1,822.30			Negotiable
329908		10-MAY-12	L&S CONSTRUCTION INC		31,054.50			Negotiable
329909		10-MAY-12	LAMANO, CHRIS		23.27			Negotiable
329910		10-MAY-12	LCS TECHNOLOGIES, INC.		3,687.50			Negotiable
329911		10-MAY-12	LEATHERWOOD CONSTRUCTION INC		275,038.24			Negotiable
329912		10-MAY-12	LENOVO UNITED STATES INC		3,382.97			Voided

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 11
 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								
329913		10-MAY-12	LEWIS OPERATING CORP		200.00			Negotiable
329914		10-MAY-12	LEWIS, SETH		37.83			Negotiable
329915		10-MAY-12	LUBRICATION ENGINEERS, INC.		2,624.03			Negotiable
329916		10-MAY-12	MAAMOUN, SARAH		75.48			Negotiable
329917		10-MAY-12	MARKET-THINK LLC		3,900.00			Negotiable
329918		10-MAY-12	MARVIN GARDENS LLC		1,250.86			Negotiable
329919		10-MAY-12	MC MASTER CARR SUPPLY CO		1,064.32			Negotiable
329920		10-MAY-12	MCCALL'S METERS, INC.		773.59			Negotiable
329921		10-MAY-12	MCCORD, KRISANNA		392.79			Negotiable
329922		10-MAY-12	MEGGER		237.33			Negotiable
329923		10-MAY-12	MEI LING CHAN		25.65			Negotiable
329924		10-MAY-12	METAL TECHNOLOGY		1,100.73			Negotiable
329925		10-MAY-12	METRON FARNIER, LLC		530.02			Negotiable
329926		10-MAY-12	MILES CHEMICAL COMPANY, INC.		4,764.45			Negotiable
329927		10-MAY-12	MOODY'S INVESTORS SERVICE INC		6,000.00			Negotiable
329928		10-MAY-12	MOZGINA, OKSANA		28.38			Negotiable
329929		10-MAY-12	MUNICIPAL MAINTENANCE EQUIPMENT INC		5,213.47			Negotiable
329930		10-MAY-12	MUTUAL PROPANE		18.00			Negotiable
329931		10-MAY-12	NATIONAL READY MIXED CONCRETE CO		891.46			Negotiable
329932		10-MAY-12	NATIONAL ROOFING CONSULTANTS, INC.		975.00			Negotiable
329933		10-MAY-12	NATURES IMAGE INC		4,420.00			Negotiable
329934		10-MAY-12	NMG GEOTECHNICAL INC		9,414.90			Negotiable
329935		10-MAY-12	O'HAREN GOVERNMENT RELATIONS		13,752.64			Negotiable
329936		10-MAY-12	OLIN CORPORATION		23,292.46			Negotiable
329937		10-MAY-12	ON ASSIGNMENT LAB SUPPORT		7,468.80			Negotiable
329938		10-MAY-12	ORANGE COUNTY FIRE AUTHORITY		330.00			Negotiable
329939		10-MAY-12	PACIFIC COAST BOLT CORP		4,938.93			Negotiable
329940		10-MAY-12	PACIFIC TECHNOLOGIES INC		11,545.13			Negotiable
329941		10-MAY-12	PARSONS, JOHN		20.51			Negotiable
IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59								
BANK: Bank of America N.A.			Branch : Los Angeles		Account: Checking AP and PR		Page: 12	
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								
329942		10-MAY-12	PASCAL & LUDWIG CONSTRUCTORS		4,311.75			Negotiable
329943		10-MAY-12	PASCAL & LUDWIG CONSTRUCTORS		1,509,073.59			Negotiable
329944		10-MAY-12	PAUL E BRADLEY INC		765.00			Negotiable
329945		10-MAY-12	PAULUS ENGINEERING INC		58,590.37			Negotiable
329946		10-MAY-12	PINNACLE LANDSCAPE COMPANY		277.35			Negotiable
329947		10-MAY-12	PRAXAIR DISTRIBUTION INC		2,010.17			Negotiable
329948		10-MAY-12	PROCESS PUMP SALES INC		482.21			Negotiable
329949		10-MAY-12	PRUDENTIAL OVERALL SUPPLY		852.26			Negotiable
329950		10-MAY-12	PSB THE MARKETING SUPERSOURCE		7,921.35			Negotiable
329951		10-MAY-12	PTI SAND & GRAVEL INC		1,466.26			Negotiable
329952		10-MAY-12	RAINBOW DISPOSAL CO INC		459.26			Negotiable
329953		10-MAY-12	RAM AIR ENGINEERING INC		4,595.27			Negotiable
329954		10-MAY-12	RBF CONSULTING		7,902.01			Negotiable
329955		10-MAY-12	REACH EMPLOYEE ASSISTANCE INC		785.20			Negotiable
329956		10-MAY-12	RELIANT TESTING ENGINEERS, INC.		5,481.00			Negotiable
329957		10-MAY-12	RESPONSE ENVELOPE, INC		3,465.78			Negotiable

329958	10-MAY-12	RIDGE LANDSCAPE ARCHITECTS		1,375.00		Negotiable
329959	10-MAY-12	RINGCLEAR LLC		145.04		Negotiable
329960	10-MAY-12	SANTA ANA BLUE PRINT		1,092.34		Negotiable
329961	10-MAY-12	SANTA MARGARITA WATER DISTRICT		1,500.00		Negotiable
329962	10-MAY-12	SARSEPAR, AZADEH		38.10		Negotiable
329963	10-MAY-12	SCIENTIFIC REFRIGERATION		806.33		Negotiable
329964	10-MAY-12	SCOTT HEALTH & SAFETY		2,736.64		Negotiable
329965	10-MAY-12	SHAIKH, JOY		11.56		Negotiable
329966	10-MAY-12	SHAMROCK SUPPLY CO INC		2,086.49		Negotiable
329967	10-MAY-12	SIGMA-ALDRICH INC		549.14		Negotiable

IRWD Ledger
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 01-JUN-2012 10:59
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 13
 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								
329968		10-MAY-12	SILVERSTEIN CONSTANCE		30.20			Negotiable
329969		10-MAY-12	SON, KI HAE		15.00			Negotiable
329970		10-MAY-12	SOUTH COAST WATER		151.66			Negotiable
329971		10-MAY-12	SOUTH COAST WATER DISTRICT		35.07			Negotiable
329972		10-MAY-12	SOUTHERN CALIFORNIA EDISON COMPANY		10,167.46			Negotiable
329973		10-MAY-12	SPOON, ANDREA		62.38			Negotiable
329974		10-MAY-12	STANTEC CONSULTING SERVICES INC.		9,199.56			Negotiable
329975		10-MAY-12	STAVAST, KELLI		21.45			Negotiable
329976		10-MAY-12	STUART, CHARLES		9.33			Negotiable
329977		10-MAY-12	SUPERMEDIA LLC		71.25			Negotiable
329978		10-MAY-12	SYNAGRO SOUTH, LLC		22,403.36			Negotiable
329979		10-MAY-12	TADOKORO, AMBER		24.70			Negotiable
329980		10-MAY-12	TAFT, AUDREY		27.27			Negotiable
329981		10-MAY-12	TAFT, ROB		38.70			Negotiable
329982		10-MAY-12	TAIT ENVIRONMENTAL SERVICES INC		2,500.00			Negotiable
329983		10-MAY-12	TEKDRUALICS		8,981.63			Negotiable
329984		10-MAY-12	TESFAYE, SEFANIT		83.52			Negotiable
329985		10-MAY-12	TESTAMERICA LABORATORIES, INC		387.45			Negotiable
329986		10-MAY-12	THE GAS COMPANY		546.80			Negotiable
329987		10-MAY-12	THE PLUMBERS WAREHOUSE		302.77			Negotiable
329988		10-MAY-12	TRUGREEN LANDCARE LLC		2,604.18			Negotiable
329989		10-MAY-12	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA		561.00			Negotiable
329990		10-MAY-12	UNITED PARCEL SERVICE INC		42.00			Negotiable
329991		10-MAY-12	UNITED SITE SERVICES OF CALIFORNIA INC		139.24			Negotiable
329992		10-MAY-12	UNITED STATES POSTAL SERVICE		63.12			Negotiable
329993		10-MAY-12	URS CORPORATION		119.08			Negotiable
329994		10-MAY-12	US BANK NAT'L ASSOCIATION NORTH DAKOTA		58,815.50			Negotiable
329995		10-MAY-12	US PEROXIDE LLC		18,141.80			Negotiable

IRWD Ledger
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 01-JUN-2012 10:59
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 14
 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								
329996		10-MAY-12	USA MOBILITY WIRELESS INC		70.93			Negotiable
329997		10-MAY-12	V&A CONSULTING ENGINEERS		3,594.74			Negotiable
329998		10-MAY-12	VAN DOOREN, PASCAL		20.20			Negotiable
329999		10-MAY-12	VERIZON CALIFORNIA INC		370.72			Negotiable
330000		10-MAY-12	VERIZON WIRELESS SERVICES LLC		7,333.12			Negotiable
330001		10-MAY-12	VPSI INC		9,204.00			Negotiable
330002		10-MAY-12	WASTE MANAGEMENT		1,766.87			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
330003		10-MAY-12	OF ORANGE COUNTY WAXIE'S ENTERPRISES, INC		1,386.98			Negotiable
330004		10-MAY-12	WESTERN EXTERMINATOR COMPANY		7,314.50			Negotiable
330005		10-MAY-12	WILSON, CRAIG W		39.67			Negotiable
330006		10-MAY-12	WIRELESS WATCHDOGS LLC		1,164.00			Negotiable
330007		10-MAY-12	YANG, HAO		21.26			Negotiable
330008		10-MAY-12	YRC INC		166.26			Negotiable
330009		10-MAY-12	YU, SHIRLEY		3.87			Negotiable
330010		10-MAY-12	FIVE POINT PARTNERS LLC		21,240.31			Negotiable
330011		10-MAY-12	FORTIS RESOURCE PARTNERS INC		4,083.20			Negotiable
330012		10-MAY-12	IRON MOUNTAIN INFORMATION MANAGEMENT INC		1,560.50			Negotiable
330013		10-MAY-12	PAUL E BRADLEY INC		922.50			Negotiable
330014		17-MAY-12	BANK OF NEW YORK NEWARK MELLON TRUST COMPANY NA		3,745.00			Negotiable
330015		17-MAY-12	CITY OF LAKE FOREST	PAY	1,500.00			Negotiable
330016		17-MAY-12	Anthony Mossbarger		172.65			Negotiable
330017		17-MAY-12	Gabriel Vargas		166.89			Negotiable
330018		17-MAY-12	Gregory Springman		181.60			Negotiable
330019		17-MAY-12	Michael Purington		250.00			Negotiable
330020		17-MAY-12	Paul Sutton		17.59			Negotiable
330021		17-MAY-12	Robert Jacobson		68.80			Negotiable
330022		17-MAY-12	Shannon Reed		106.05			Negotiable
330023		17-MAY-12	ACE STAINLESS SUPPLY		291.25			Negotiable
330024		17-MAY-12	ADEL, BRIAN J		42.00			Negotiable

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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								
330025		17-MAY-12	AIRGAS-WEST, INC.		32.67			Negotiable
330026		17-MAY-12	ASSOCIATED POWER INC		505.48			Negotiable
330027		17-MAY-12	AT&T		8,920.34			Negotiable
330028		17-MAY-12	BORCHARD SURVEYING & MAPPING, INC.		5,885.50			Negotiable
330029		17-MAY-12	BOYD & ASSOCIATES		430.00			Negotiable
330030		17-MAY-12	BREWER, THOMAS		39.11			Negotiable
330031		17-MAY-12	BRITHINEE ELECTRIC		12,542.49			Negotiable
330032		17-MAY-12	BRUCE NEWELL		1,316.00			Negotiable
330033		17-MAY-12	BUTTER ENGINEERING INC		20,862.00			Negotiable
330034		17-MAY-12	C WELLS PIPELINE MATERIALS INC		6,441.88			Negotiable
330035		17-MAY-12	CADY, JACK		20.82			Negotiable
330036		17-MAY-12	CALIFORNIA BARRICADE INC		1,480.00			Negotiable
330037		17-MAY-12	CALIFORNIA CHASSIS INC		2,680.00			Negotiable
330038		17-MAY-12	CARVLHO, JOANA		51.82			Negotiable
330039		17-MAY-12	CHEM TECH INTERNATIONAL INC		3,913.25			Negotiable
330040		17-MAY-12	CHEN, JONATHAN		36.30			Negotiable
330041		17-MAY-12	CITY OF IRVINE		4,644.80			Negotiable
330042		17-MAY-12	CITY OF TUSTIN		202.21			Negotiable
330043		17-MAY-12	CLEARINGHOUSE		528.45			Negotiable
330044		17-MAY-12	COASTAL IGNITION & CONTROLS, INC		7,951.95			Negotiable
330045		17-MAY-12	COASTAL TRAFFIC SYSTEMS, INC		510.00			Negotiable
330046		17-MAY-12	CONEYBEARE INC		3,677.48			Negotiable
330047		17-MAY-12	COOPER, LETITIA L		40.65			Negotiable
330048		17-MAY-12	CORBETT, SHANNON		82.26			Negotiable
330049		17-MAY-12	CPI-INTERNATIONAL, INC		510.22			Negotiable
330050		17-MAY-12	CUYCO, KATHREN		21.67			Negotiable
330051		17-MAY-12	CYBERNETICS		7,547.00			Negotiable
330052		17-MAY-12	D & G SIGNS		290.93			Negotiable
330053		17-MAY-12	D & H WATER SYSTEMS INC.		650.38			Negotiable
330054		17-MAY-12	DAN'S MACHINE TOOL, INC		250.89			Negotiable
330055		17-MAY-12	DATA CLEAN CORPORATION		513.25			Negotiable
330056		17-MAY-12	DCSE INC		11,223.75			Negotiable
330057		17-MAY-12	DELL MARKETING LP		27,700.82			Negotiable

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 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								
330058		17-MAY-12	DISCOVERY SCIENCE CENTER		3,356.40			Negotiable
330059		17-MAY-12	EAST ORANGE COUNTY WATER DISTRICT		2,944.79			Negotiable
330060		17-MAY-12	EHS INTERNATIONAL, INC		700.00			Negotiable
330061		17-MAY-12	EITENEER, NATALIA,		52.55			Negotiable
330062		17-MAY-12	ELECTRABOND		1,115.00			Negotiable
330063		17-MAY-12	EMA INC		6,840.00			Negotiable
330064		17-MAY-12	ENTERPRISE INFORMATION SYSTEMS INC		7,500.00			Negotiable
330065		17-MAY-12	EQUIPCO SALES & SERVICE		1,242.21			Negotiable
330066		17-MAY-12	ESA PWA		1,120.50			Negotiable
330067		17-MAY-12	FARRELL & ASSOCIATES		276.35			Negotiable
330068		17-MAY-12	FEDEX		960.11			Negotiable
330069		17-MAY-12	FERGUSON, DAVID		8,303.28			Negotiable
330070		17-MAY-12	FISERV		10,553.74			Negotiable
330071		17-MAY-12	FISHER SCIENTIFIC COMPANY LLC		7,216.86			Negotiable
330072		17-MAY-12	FOX, JOANN		385.52			Negotiable
330073		17-MAY-12	FRANCHISE TAX BOARD		150.00			Negotiable
330074		17-MAY-12	FRONTLINE MANAGEMENT INC		2,002.30			Negotiable
330075		17-MAY-12	GANAHL LUMBER CO.		2,986.92			Negotiable
330076		17-MAY-12	GMU GEOTECHNICAL INC		4,623.75			Negotiable
330077		17-MAY-12	HACH COMPANY		10,864.50			Negotiable
330078		17-MAY-12	HADRONEX INC		46,563.90			Negotiable
330079		17-MAY-12	HAMILTON, KURT		568.56			Negotiable
330080		17-MAY-12	HANSON BRIDGETT LLP		13,728.05			Negotiable
330081		17-MAY-12	HARRINGTON INDUSTRIAL PLASTICS LLC		184.90			Negotiable
330082		17-MAY-12	HDR ENGINEERING INC		27,068.21			Negotiable
330083		17-MAY-12	HEWITT ASSOCIATES LLC		7,106.00			Negotiable
330084		17-MAY-12	HOME DEPOT USA INC		1,070.89			Negotiable
330085		17-MAY-12	HOPKINS TECHNICAL PRODUCTS INC		1,727.90			Negotiable
330086		17-MAY-12	HOWELLS, CHRISTY		24.18			Negotiable
IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59								
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)			
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								
330087		17-MAY-12	HR/LABOR SOLUTIONS INC		2,277.31			Negotiable
330088		17-MAY-12	II FUELS INC		32,614.61			Negotiable
330089		17-MAY-12	ILLIG, ANDRE		65.82			Negotiable
330090		17-MAY-12	INDUSTRIAL METAL SUPPLY CO		172.11			Negotiable
330091		17-MAY-12	INTERNAL REVENUE SERVICE		1,451.73			Negotiable
330092		17-MAY-12	IRVINE PIPE & SUPPLY INC		745.40			Negotiable
330093		17-MAY-12	IRWD-PETTY CASH CUSTODIAN		1,204.95			Negotiable
330094		17-MAY-12	JABER, FADI H		20.25			Negotiable
330095		17-MAY-12	JOHN G. ALEVIZOS D.O. INC.		355.00			Negotiable
330096		17-MAY-12	KANTEX COMPANIES		38,278.00			Voided
330097		17-MAY-12	KELLY SERVICES INC		851.20			Negotiable
330098		17-MAY-12	KENNEDY/JENKS CONSULTANTS INC		8,676.01			Negotiable
330099		17-MAY-12	KIM EDWARD		175.85			Negotiable
330100		17-MAY-12	KIM, EUNMI		27.95			Negotiable
330101		17-MAY-12	KISEL, GUY		58.35			Negotiable
330102		17-MAY-12	KOMIYA, MASATERU		39.96			Negotiable
330103		17-MAY-12	KONECRANES INC		1,731.00			Negotiable
330104		17-MAY-12	L & A COMPANY		192.75			Negotiable
330105		17-MAY-12	LAKE FOREST COMM ASSN		43.72			Negotiable
330106		17-MAY-12	LEE, ROBERT		87.26			Negotiable
330107		17-MAY-12	LENOVO UNITED STATES INC		11,156.54			Negotiable

330108	17-MAY-12	LGC GEOTECHNICAL, INC.		1,725.00	Negotiable
330109	17-MAY-12	LOCHRIDGE, DAVID		3,564.00	Negotiable
330110	17-MAY-12	LUBRICATION ENGINEERS, INC.		3,225.82	Negotiable
330111	17-MAY-12	MALCOLM FIRNIE INC		1,798.68	Negotiable
330112	17-MAY-12	MARVIN GARDENS LLC		1,056.28	Negotiable
330113	17-MAY-12	MATT CONSTRUCTION CORP		969.74	Negotiable
330114	17-MAY-12	MC MASTER CARR SUPPLY CO		1,358.01	Negotiable
330115	17-MAY-12	MCCROMETER, INC.		205.16	Negotiable
330116	17-MAY-12	MCR TECHNOLOGIES INC		4,103.42	Negotiable
330117	17-MAY-12	MICHAEL A BACA		990.00	Negotiable

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 18
 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								
330118		17-MAY-12	MILLWORK HOLDINGS CO., INC		476.21			Negotiable
330119		17-MAY-12	MISSION COMMUNICATIONS LLC		586.46			Negotiable
330120		17-MAY-12	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		23,357.00			Negotiable
330121		17-MAY-12	NATIONAL READY MIXED CONCRETE CO		1,366.92			Negotiable
330122		17-MAY-12	NUJALLID, KLOD		409.49			Negotiable
330123		17-MAY-12	OLIN CORPORATION		5,200.71			Negotiable
330124		17-MAY-12	ON ASSIGNMENT LAB SUPPORT		497.92			Negotiable
330125		17-MAY-12	ONESOURCE DISTRIBUTORS LLC		148.13			Negotiable
330126		17-MAY-12	ORANGE COUNTY TREASURER		251.00			Negotiable
330127		17-MAY-12	ORANGE, COUNTY OF		175.00			Negotiable
330128		17-MAY-12	PACIFIC GAS AND ELECTRIC COMPANY		320.96			Negotiable
330129		17-MAY-12	PAPER DEPOT DOCUMENT DESTRUCTION LLC		775.86			Negotiable
330130		17-MAY-12	PAUL E BRADLEY INC		18,090.00			Negotiable
330131		17-MAY-12	PAULUS ENGINEERING INC		190,187.24			Negotiable
330132		17-MAY-12	PEARPOINT		49.72			Negotiable
330133		17-MAY-12	PERS LONG TERM CARE		1,394.27			Negotiable
330134		17-MAY-12	PIVOT INTERIORS INC		3,683.20			Negotiable
330135		17-MAY-12	PONTON INDUSTRIES INC		897.49			Negotiable
330136		17-MAY-12	POWER PLUS		975.00			Negotiable
330137		17-MAY-12	PRAXAIR DISTRIBUTION INC		1,049.73			Negotiable
330138		17-MAY-12	PROBOLSKY RESEARCH LLC		25,000.00			Negotiable
330139		17-MAY-12	PROVOST & PRITCHARD ENGINEERING GROUP, INC.		2,679.00			Negotiable
330140		17-MAY-12	PRUDENTIAL OVERALL SUPPLY		880.28			Negotiable
330141		17-MAY-12	PTI SAND & GRAVEL INC		1,810.60			Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 19
 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								
330142		17-MAY-12	QUAIL HILL MASTER ASSOCIATION		220.20			Negotiable
330143		17-MAY-12	RAM AIR ENGINEERING INC		649.71			Negotiable
330144		17-MAY-12	RBF CONSULTING		12,036.35			Negotiable
330145		17-MAY-12	REECE, KAREN		58.21			Negotiable
330146		17-MAY-12	ROCKHURST UNIV CONT EDU CTR		2,000.00			Negotiable
330147		17-MAY-12	SALVATIERRA, VIVECA		39.96			Negotiable
330148		17-MAY-12	SANDERS PAVING INC		6,950.00			Negotiable
330149		17-MAY-12	SANTA ANA BLUE		2,357.83			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
330150		17-MAY-12	PRINT		8,081.94			Negotiable
330151		17-MAY-12	SANTIAGO AQUEDUCT COMMISSION		459.06			Negotiable
330152		17-MAY-12	SCOTT HEALTH & SAFETY		3,700.00			Negotiable
330153		17-MAY-12	SECURTEC DISTRICT PATROL INC		331.27			Negotiable
330154		17-MAY-12	SHERWIN WILLIAMS COMPANY		14.28			Negotiable
330155		17-MAY-12	SHUM, BILLY		33.74			Negotiable
330156		17-MAY-12	SICAT, JOEL		353.52			Negotiable
330157		17-MAY-12	SIGMA-ALDRICH INC		118.77			Negotiable
330158		17-MAY-12	SIMMONS, WES		2,733.12			Negotiable
330159		17-MAY-12	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		40.00			Negotiable
330160		17-MAY-12	SOUTH COAST WATER SOUTHERN CALIFORNIA EDISON COMPANY		268.40			Negotiable
330161		17-MAY-12	SOUTHERN CALIFORNIA EDISON COMPANY		165,601.52			Negotiable
330162		17-MAY-12	SOUTHERN CALIFORNIA EDISON COMPANY		999.85			Negotiable
330163		17-MAY-12	SOUTHERN CALIFORNIA SECURITY CENTER, INC.		1,105.30			Negotiable
330164		17-MAY-12	SOUTHERN COUNTIES LUBRICANTS LLC		2,015.68			Negotiable
330165		17-MAY-12	SPARKLETT'S		76.70			Negotiable

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 20
 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								
330166		17-MAY-12	SPECTER INSTRUMENTS		790.00			Negotiable
330167		17-MAY-12	STANTEC CONSULTING SERVICES INC.		1,529.49			Negotiable
330168		17-MAY-12	STEVEN ENTERPRISES INC		791.84			Negotiable
330169		17-MAY-12	SULLY-MILLER CONTRACTING CO.		36,054.77			Negotiable
330170		17-MAY-12	SULLY-MILLER CONTRACTING CO.		685,040.56			Negotiable
330171		17-MAY-12	TAIT ENVIRONMENTAL SERVICES INC		2,840.48			Negotiable
330172		17-MAY-12	TESTAMERICA LABORATORIES, INC		192.15			Negotiable
330173		17-MAY-12	TETRA TECH, INC		19,422.92			Negotiable
330174		17-MAY-12	THE GAS COMPANY		5,851.75			Negotiable
330175		17-MAY-12	THE PLUMBERS WAREHOUSE		35.30			Negotiable
330176		17-MAY-12	TIMOTHY DEL WILSON		1,680.00			Negotiable
330177		17-MAY-12	TOTAL TELCO SPECIALISTS INC		2,160.00			Negotiable
330178		17-MAY-12	TROPICAL PLAZA NURSERY INC		6,806.60			Negotiable
330179		17-MAY-12	TSAO, MICHAEL		29.27			Negotiable
330180		17-MAY-12	TSENG, DERRICK		17.86			Negotiable
330181		17-MAY-12	USDA FOREST SERVICE		10,680.46			Negotiable
330182		17-MAY-12	VKCO CORPORATION		2,855.00			Negotiable
330183		17-MAY-12	VPSI INC		9,204.00			Negotiable
330184		17-MAY-12	VWR INTERNATIONAL, LLC		275.20			Negotiable
330185		17-MAY-12	WAX DEPOT		294.16			Negotiable
330186		17-MAY-12	WAXIE'S ENTERPRISES, INC		813.08			Negotiable
330187		17-MAY-12	WECK LABORATORIES INC		225.00			Negotiable
330188		17-MAY-12	WOMEN IN PUBLIC FINANCE		50.00			Negotiable
330189		17-MAY-12	WORKFLOWONE		2,313.58			Negotiable
330190		17-MAY-12	YANG, WEN		1,956.72			Voided
330191		17-MAY-12	ZEE MEDICAL SERVICE CO		748.62			Voided
330192		17-MAY-12	YANG, WEN	NEWPORT BEACH	1,956.72			Negotiable
330193		17-MAY-12	ZEE MEDICAL SERVICE CO	PAY	748.62			Negotiable

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 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	
Payment Document : IRWD CHECK									
330194		18-MAY-12	AST CORPORATION	NAPERVILLE	271,843.50			Negotiable	
330195		21-MAY-12	KANTEX INDUSTRIES INC	OLATHE	38,278.00			Negotiable	
330196		24-MAY-12	Bryan Clinton		225.00			Negotiable	
330197		24-MAY-12	Christopher Fike		78.00			Negotiable	
330198		24-MAY-12	Deborah Cherney		13.48			Negotiable	
330199		24-MAY-12	Erika Blaska		57.26			Negotiable	
330200		24-MAY-12	Ethan Fike		282.00			Negotiable	
330201		24-MAY-12	Jack Justice		92.92			Negotiable	
330202		24-MAY-12	Jorge Figueroa		750.00			Negotiable	
330203		24-MAY-12	Kristin Thomson		469.13			Negotiable	
330204		24-MAY-12	Leslie Bonkowski		120.44			Negotiable	
330205		24-MAY-12	Mary Matheis		1,803.87			Negotiable	
330206		24-MAY-12	Rudy Ocampo		70.00			Negotiable	
330207		24-MAY-12	Steven LaMar		160.40			Negotiable	
330208		24-MAY-12	Thomas Bonkowski		27.61			Negotiable	
330209		24-MAY-12	Todd Sinclair		80.00			Negotiable	
330210		24-MAY-12	ABBASI, MOHSBN		31.98			Negotiable	
330211		24-MAY-12	ACCIM		758.32			Negotiable	
330212		24-MAY-12	ACTION ELECTRIC CORP		376.83			Negotiable	
330213		24-MAY-12	ACWA		1,500.00			Negotiable	
330214		24-MAY-12	AFLAC		5,687.22			Negotiable	
330215		24-MAY-12	AIRGAS-WEST, INC.		4,711.95			Negotiable	
330216		24-MAY-12	ANTHEM BLUE CROSS		388.00			Negotiable	
330217		24-MAY-12	ACSAFETY		101.88			Negotiable	
330218		24-MAY-12	APPLIED INDUSTRIAL TECHNOLOGIES - CA LLC		95.77			Negotiable	
330219		24-MAY-12	ARCADIS U.S., INC.		2,648.29			Negotiable	
330220		24-MAY-12	AT&T		48.06			Negotiable	
330221		24-MAY-12	AT&T		2,553.43			Negotiable	
330222		24-MAY-12	BILL'S SWEEPING SERVICE INC		460.00			Negotiable	
330223		24-MAY-12	BIOMAGIC INC		6,621.78			Negotiable	
330224		24-MAY-12	BORCHARD SURVEYING & MAPPING, INC.		3,925.00			Negotiable	
330225		24-MAY-12	BOWIE, ARNESON, WILES & GIANNONE		30,430.83			Negotiable	
330226		24-MAY-12	BRENNTAG PACIFIC INC		2,619.41			Negotiable	
330227		24-MAY-12	C WELLS PIPELINE MATERIALS INC		211.73			Negotiable	
330228		24-MAY-12	CALIFORNIA BARRICADE INC		6,640.00			Negotiable	
IRWD Ledger									
BANK: Bank of America N.A.			Branch : Los Angeles			Payment Register For 01-MAY-12 To 31-MAY-12			Report Date: 01-JUN-2012 10:59
Bank Account Currency: USD (US Dollar)			Payment Type: All			Account: Checking AP and PR			Page: 22
						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								
330229		24-MAY-12	CALIFORNIA UTILITY EQUIPMENT INC.		91.20			Negotiable
330230		24-MAY-12	CANON BUSINESS SOLUTIONS INC		649.55			Negotiable
330231		24-MAY-12	CERTIFIED TRANSPORTATION		650.32			Negotiable
330232		24-MAY-12	CHEN, RITA		182.22			Negotiable
330233		24-MAY-12	CITY OF COSTA MESA		7,922.44			Negotiable
330234		24-MAY-12	CITY OF IRVINE		2,685.00			Negotiable
330235		24-MAY-12	CITY OF ORANGE		58.69			Negotiable
330236		24-MAY-12	CITY OF ORANGE		11,906.80			Negotiable
330237		24-MAY-12	COAST PLUMBING HEATING AND AIR, INC		119.90			Negotiable
330238		24-MAY-12	COAST PNEUMATICS, INC.		163.35			Negotiable
330239		24-MAY-12	COASTAL IGNITION & CONTROLS, INC		6,938.87			Negotiable
330240		24-MAY-12	COASTAL TRAFFIC SYSTEMS, INC		1,020.00			Negotiable
330241		24-MAY-12	COBALT CONSTRUCTION CO		833.04			Negotiable
330242		24-MAY-12	COLONIAL LIFE & ACCIDENT INSURANCE CO.		1,854.94			Negotiable
330243		24-MAY-12	COMMERCIAL CLEANING SYSTEMS INC		10,845.99			Negotiable
330244		24-MAY-12	COMMERCIAL DOOR OF ORANGE COUNTY, INC.		1,583.00			Negotiable
330245		24-MAY-12	CONEYBEARE INC		1,774.80			Negotiable
330246		24-MAY-12	CORELOGIC INC		108.00			Negotiable

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330247	24-MAY-12	COX COMMUNICATIONS	125.72	Negotiable
330248	24-MAY-12	CRUMP & CO, INC.	4,005.30	Negotiable
330249	24-MAY-12	DATASITE INC	858.00	Negotiable
330250	24-MAY-12	DELPHIN COMPUTER SUPPLY	478.41	Negotiable
330251	24-MAY-12	DELTA SYSTEMS ENGINEERING	21,004.77	Negotiable
330252	24-MAY-12	DIRECTV INC	89.99	Negotiable
330253	24-MAY-12	DRUCK INC, GE SENSING	3,138.76	Negotiable
330254	24-MAY-12	DUDEK	11,999.96	Negotiable
330255	24-MAY-12	ENVIRONMENTAL EXPRESS INC	2,500.77	Negotiable

IRWD Ledger
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 01-JUN-2012 10:59
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 23
 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								
330256		24-MAY-12	ESA PWA		23,564.50			Negotiable
330257		24-MAY-12	EVANS-HYDRO INC		9,292.38			Negotiable
330258		24-MAY-12	EXPRESSAIR		70.00			Negotiable
330259		24-MAY-12	FARRELL & ASSOCIATES		86.45			Negotiable
330260		24-MAY-12	FEDEX		232.50			Negotiable
330261		24-MAY-12	FISERV		284.50			Negotiable
330262		24-MAY-12	FISHER SCIENTIFIC COMPANY LLC		4,328.11			Negotiable
330263		24-MAY-12	FORTIS RESOURCE PARTNERS INC		4,083.20			Negotiable
330264		24-MAY-12	FOX, JOANN		173.29			Negotiable
330265		24-MAY-12	GALETON		41.65			Negotiable
330266		24-MAY-12	GARDENSOFT		3,000.00			Negotiable
330267		24-MAY-12	GARZA INDUSTRIES, INC		1,227.95			Negotiable
330268		24-MAY-12	GEI CONSULTANTS INC		40,379.18			Negotiable
330269		24-MAY-12	GOOGLE INC.		1,069.32			Negotiable
330270		24-MAY-12	GRAINGER		7,739.29			Negotiable
330271		24-MAY-12	HACH COMPANY		1,278.99			Negotiable
330272		24-MAY-12	HARMSWORTH ASSOCIATES		835.00			Negotiable
330273		24-MAY-12	HARPER & ASSOCIATES ENGINEERING INC		8,770.00			Negotiable
330274		24-MAY-12	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY		180.38			Negotiable
330275		24-MAY-12	HDR ENGINEERING INC		12,598.84			Negotiable
330276		24-MAY-12	HEARTLAND BUSINESS CREDIT CORPORATION		570.58			Negotiable
330277		24-MAY-12	HILL BROTHERS CHEMICAL COMPANY		12,705.67			Negotiable
330278		24-MAY-12	HOME DEPOT USA INC		469.16			Negotiable
330279		24-MAY-12	II FUELS INC		32,359.01			Negotiable
330280		24-MAY-12	INDUSTRIAL METAL SUPPLY CO		511.33			Negotiable
330281		24-MAY-12	IRONMAN PARTS & SERVICE		334.77			Negotiable
330282		24-MAY-12	IRVINE PIPE & SUPPLY INC		1,037.45			Negotiable
330283		24-MAY-12	IRVINE RANCH CONSERVANCY		1,025.00			Negotiable

IRWD Ledger
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 01-JUN-2012 10:59
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 24
 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								
330284		24-MAY-12	IRWD-FETTY CASH CUSTODIAN		989.59			Negotiable
330285		24-MAY-12	JOHN G. ALEVIZOS D.O. INC.		190.00			Negotiable
330286		24-MAY-12	KELLY SERVICES INC		601.16			Negotiable
330287		24-MAY-12	KIM, SOON TAE		5,050.00			Negotiable
330288		24-MAY-12	KPRS CONSTRUCTION SERVICES, INC		1,047,246.95			Negotiable
330289		24-MAY-12	LE, PATRICK		70.79			Negotiable
330290		24-MAY-12	LEWIS OPERATING CORP		25,094.80			Negotiable
330291		24-MAY-12	LUBRICATION ENGINEERS, INC.		1,615.63			Negotiable
330292		24-MAY-12	MAILFINANCE INC		9,912.62			Negotiable
330293		24-MAY-12	MALCOLM PIRNIE INC		62,979.01			Negotiable

330294	24-MAY-12	MALSACK, DOROTHY	108.63	Negotiable
330295	24-MAY-12	MC MASTER CARR SUPPLY CO	253.93	Negotiable
330296	24-MAY-12	MEGGER	291.55	Negotiable
330297	24-MAY-12	MORALES, JACK	440.00	Negotiable
330298	24-MAY-12	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	32,100.00	Negotiable
330299	24-MAY-12	MYERS, SOMMER	48.52	Negotiable
330300	24-MAY-12	NATIONAL READY MIXED CONCRETE CO	1,141.51	Negotiable
330301	24-MAY-12	NEWPORT BEACH, CITY OF	38.53	Negotiable
330302	24-MAY-12	NEWPORT WINDOW MAINTENANCE INC	2,314.00	Negotiable
330303	24-MAY-12	OCHOA, CELIA	151.54	Negotiable
330304	24-MAY-12	OLEN PROPERTIES	625.46	Negotiable
330305	24-MAY-12	OLIN CORPORATION	2,568.35	Negotiable
330306	24-MAY-12	OLSON HAGEL FISHBURN, LLP	473.50	Negotiable
330307	24-MAY-12	ON ASSIGNMENT LAB SUPPORT	1,244.80	Negotiable
330308	24-MAY-12	ONCORE POWER SYSTEMS	31.31	Negotiable
330309	24-MAY-12	ORANGE COUNTY TREASURER	44,568.00	Voided
330310	24-MAY-12	ORANGE COUNTY VECTOR CONTROL DISTRICT	236.24	Negotiable
330311	24-MAY-12	ORANGE COUNTY WATER ASSOCIATIO	120.00	Negotiable

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 25
 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								
330312		24-MAY-12	ORANGE, COUNTY OF		1,265.00			Negotiable
330313		24-MAY-12	PACIFIC PARTS & CONTROLS INC		5,558.42			Negotiable
330314		24-MAY-12	PIVOT INTERIORS INC		5,930.98			Negotiable
330315		24-MAY-12	PRAXAIR DISTRIBUTION INC		246.81			Negotiable
330316		24-MAY-12	PRE-PAID LEGAL SERVICES INC		1,575.26			Negotiable
330317		24-MAY-12	PRIORITY MAILING SYSTEMS LLC		182.39			Negotiable
330318		24-MAY-12	PRUDENTIAL OVERALL SUPPLY		769.83			Negotiable
330319		24-MAY-12	PTI SAND & GRAVEL INC		341.38			Negotiable
330320		24-MAY-12	PYRO-COMM SYSTEMS INC		1,490.00			Negotiable
330321		24-MAY-12	REDFORD, HEAYOUNG		270.33			Negotiable
330322		24-MAY-12	ROBISON, TULESHEIA		48.69			Negotiable
330323		24-MAY-12	RUGGEDCOM INC		2,100.00			Negotiable
330324		24-MAY-12	SANTA ANA BLUE PRINT		1,880.76			Negotiable
330325		24-MAY-12	SANTA ANA CITY OF		49.73			Negotiable
330326		24-MAY-12	SHAMROCK SUPPLY CO INC		764.82			Negotiable
330327		24-MAY-12	SOLUTIONS 4 INDUSTRY		1,323.61			Negotiable
330328		24-MAY-12	SOUTHERN CALIFORNIA EDISON COMPANY		182.50			Negotiable
330329		24-MAY-12	SOUTHERN CALIFORNIA EDISON COMPANY		64,389.77			Negotiable
330330		24-MAY-12	SPATIAL WAVE, INC.		12,000.00			Negotiable
330331		24-MAY-12	STANTEC CONSULTING SERVICES INC.		1,430.48			Negotiable
330332		24-MAY-12	SUKUT CONSTRUCTION INC		677.18			Negotiable
330333		24-MAY-12	SUKUT CONSTRUCTION INC		884.23			Negotiable
330334		24-MAY-12	SUNSET INDUSTRIAL PARTS		3,455.54			Negotiable
330335		24-MAY-12	SYNAGRO SOUTH, LLC		18,888.25			Negotiable
330336		24-MAY-12	T AND S LARSEN MAINTENANCE		360.00			Negotiable

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 26
 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
330337		24-MAY-12	TAKAHASHI, KATSUSHI		6.63			Negotiable
330338		24-MAY-12	TETRA TECH, INC		29,654.00			Negotiable
330339		24-MAY-12	THE PLUMBERS WAREHOUSE		37.98			Negotiable
330340		24-MAY-12	TIC-RESORT PROPERTIES		21.36			Negotiable
330341		24-MAY-12	TROPICAL PLAZA NURSERY INC		28,060.79			Negotiable
330342		24-MAY-12	TRUGREEN LANDCARE LLC		322.20			Negotiable
330343		24-MAY-12	TURTLE RIDGE APARTMENTS		2,993.63			Negotiable
330344		24-MAY-12	ULTRA SCIENTIFIC		725.95			Negotiable
330345		24-MAY-12	UNITED PARCEL SERVICE INC		172.55			Negotiable
330346		24-MAY-12	URBAN WATER INSTITUTE INC		1,250.00			Negotiable
330347		24-MAY-12	VA CONSULTING, INC		1,192.00			Negotiable
330348		24-MAY-12	VAN DAELE DEVELOPMENT		757.89			Negotiable
330349		24-MAY-12	VERIZON CALIFORNIA INC		124.45			Negotiable
330350		24-MAY-12	VPSI INC		9,108.00			Negotiable
330351		24-MAY-12	VULCAN MATERIALS COMPANY		1,263.49			Negotiable
330352		24-MAY-12	W.M. LYLES CO		338,477.38			Negotiable
330353		24-MAY-12	WASTE MANAGEMENT OF ORANGE COUNTY		321.36			Negotiable
330354		24-MAY-12	WATER ENVIRONMENT RESEARCH FOUNDATION		7,182.00			Negotiable
330355		24-MAY-12	WAXIE'S ENTERPRISES, INC		913.63			Negotiable
330356		24-MAY-12	WECK LABORATORIES INC		727.50			Negotiable
330357		24-MAY-12	WELLS SUPPLY COMPANY		239.21			Negotiable
330358		24-MAY-12	WESTERN EXTERMINATOR COMPANY		1,645.00			Negotiable
330359		24-MAY-12	WESTERN MUNICIPAL WATER DISTRICT		25,073.75			Negotiable
330360		24-MAY-12	WIDE OPEN EXCURSION		108.69			Negotiable

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 27
 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								
330361		24-MAY-12	XYLEM DEWATERING SOLUTIONS INC		2,366.19			Negotiable
330362		24-MAY-12	ZEE MEDICAL SERVICE CO		380.87			Negotiable
330363		29-MAY-12	PURE EFFECT INC	FULLERTON	5,945.00			Negotiable
330364		31-MAY-12	David Pedersen		24.98			Negotiable
330365		31-MAY-12	Ethan Fike		150.00			Negotiable
330366		31-MAY-12	Jacob Moeder		20.25			Negotiable
330367		31-MAY-12	John Withers		88.10			Negotiable
330368		31-MAY-12	Kirsten McLaughlin		119.42			Negotiable
330369		31-MAY-12	Lester Busald Jr.		170.00			Negotiable
330370		31-MAY-12	Paul Weghorst		20.82			Negotiable
330371		31-MAY-12	Rory Moore		73.00			Negotiable
330372		31-MAY-12	Steven LaMar		610.66			Negotiable
330373		31-MAY-12	Thomas Roberts		235.00			Negotiable
330374		31-MAY-12	ACTION ELECTRIC CORP		704.82			Negotiable
330375		31-MAY-12	ADVANCED INDUSTRIAL SOLUTIONS INC		38,330.12			Negotiable
330376		31-MAY-12	APPLIED TECHNOLOGY GROUP INC		2,474.01			Negotiable
330377		31-MAY-12	AQUA BEN CORPORATION		33,367.16			Negotiable
330378		31-MAY-12	ASHFORD, WALT		152.02			Negotiable
330379		31-MAY-12	AT&T		52.69			Negotiable
330380		31-MAY-12	AT&T		3,611.00			Negotiable
330381		31-MAY-12	BATTERY SPECIALTIES		6,383.12			Negotiable
330382		31-MAY-12	BENCH-CRAFT, INC.		7,228.95			Negotiable
330383		31-MAY-12	BIOMAGIC INC		1,709.99			Negotiable
330384		31-MAY-12	BLACK & VEATCH CORPORATION		121,696.49			Negotiable
330385		31-MAY-12	BOYD & ASSOCIATES		1,632.00			Negotiable
330386		31-MAY-12	BRENNTAG PACIFIC INC		13,192.51			Negotiable

330387	31-MAY-12	C WELLS PIPELINE MATERIALS INC		4,373.60	Negotiable
330388	31-MAY-12	CALPERS		320,000.00	Negotiable
330389	31-MAY-12	CDW GOVERNMENT LLC		387.60	Negotiable
330390	31-MAY-12	CH2M HILL, INC		25,760.00	Negotiable
330391	31-MAY-12	CITY CIRCUIT BREAKERS		484.88	Negotiable
330392	31-MAY-12	CLEARINGHOUSE		528.45	Negotiable
330393	31-MAY-12	COASTAL IGNITION & CONTROLS, INC		6,999.44	Negotiable

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 28
 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								
330394		31-MAY-12	COASTAL TRAFFIC SYSTEMS, INC		460.00			Negotiable
330395		31-MAY-12	COMMERCE ENERGY INC		149.35			Negotiable
330396		31-MAY-12	CONEYBEARE INC		5,516.27			Negotiable
330397		31-MAY-12	COX COMMUNICATIONS		96.56			Negotiable
330398		31-MAY-12	DETECTION INSTRUMENTS CORP		161.75			Negotiable
330399		31-MAY-12	DJ NELSON & SON POOL SERVICE		2,247.55			Negotiable
330400		31-MAY-12	DOMBROSKE, KEITH		93.00			Negotiable
330401		31-MAY-12	ENVIRONMENTAL EXPRESS INC		890.10			Negotiable
330402		31-MAY-12	EXPRESSAIR		149.00			Negotiable
330403		31-MAY-12	FARRELL & ASSOCIATES		86.35			Negotiable
330404		31-MAY-12	FEDEX		273.74			Negotiable
330405		31-MAY-12	FERGUSON WATERWORKS		7,030.69			Negotiable
330406		31-MAY-12	FERRANTE, MIA		120.90			Negotiable
330407		31-MAY-12	FISHER SCIENTIFIC COMPANY LLC		770.79			Negotiable
330408		31-MAY-12	FISHNET SECURITY INC		23,792.55			Negotiable
330409		31-MAY-12	FORTIS RESOURCE PARTNERS INC		10,328.00			Negotiable
330410		31-MAY-12	FRANCHISE TAX BOARD		250.00			Negotiable
330411		31-MAY-12	FROISSARD, MARY		14.14			Negotiable
330412		31-MAY-12	GANAHL LUMBER CO.		386.61			Negotiable
330413		31-MAY-12	GLOBALSTAR INC		170.13			Negotiable
330414		31-MAY-12	GOLDEN BELL PRODUCTS		20,016.00			Negotiable
330415		31-MAY-12	GRAINGER		4,216.34			Negotiable
330416		31-MAY-12	HACH COMPANY		1,554.96			Negotiable
330417		31-MAY-12	HANSEN, MELISSA		26.11			Negotiable
330418		31-MAY-12	HARDY & HARPER INC		8,100.00			Negotiable
330419		31-MAY-12	HARRINGTON INDUSTRIAL PLASTICS LLC		448.85			Negotiable
330420		31-MAY-12	HDR ENGINEERING INC		172,940.39			Negotiable
330421		31-MAY-12	HILL BROTHERS CHEMICAL COMPANY		11,840.23			Negotiable
330422		31-MAY-12	HOLT, CHERYL		29.50			Negotiable
330423		31-MAY-12	HOME DEPOT USA INC		453.72			Negotiable

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 29
 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								
330424		31-MAY-12	HUANG, PEII		21.70			Negotiable
330425		31-MAY-12	HUMANSKALE OF CALIFORNIA INC		1,727.93			Negotiable
330426		31-MAY-12	HUNSAKER & ASSOCIATES IRVINE		1,008.00			Negotiable
330427		31-MAY-12	IDEXX DISTRIBUTION, INC		888.94			Negotiable
330428		31-MAY-12	INDUSTRIAL METAL SUPPLY CO		174.10			Negotiable
330429		31-MAY-12	INTERNAL REVENUE SERVICE		1,462.80			Negotiable
330430		31-MAY-12	IRVINE PIPE & SUPPLY INC		4,081.80			Negotiable
330431		31-MAY-12	IRWD-PETTY CASH CUSTODIAN		918.11			Negotiable
330432		31-MAY-12	LABELLE-MARVIN INC		17,590.00			Negotiable
330433		31-MAY-12	LEWIS OPERATING		877.50			Negotiable

330473	31-MAY-12	TESTAMERICA LABORATORIES, INC		210.00	Negotiable
330474	31-MAY-12	THE PLUMBERS WAREHOUSE		1,340.59	Negotiable
330475	31-MAY-12	TIC-RETAIL PROPERTIES		318.95	Negotiable
330476	31-MAY-12	TRUGREEN LANDCARE LLC		830.84	Negotiable
330477	31-MAY-12	UNISAN PRODUCTS		824.60	Negotiable
330478	31-MAY-12	UNITED PARCEL SERVICE INC		45.79	Negotiable
330479	31-MAY-12	UNITED SITE SERVICES OF CALIFORNIA INC		483.52	Negotiable
330480	31-MAY-12	VALLEYCREST COMPANIES		978.29	Negotiable
330481	31-MAY-12	VERIZON CALIFORNIA INC		495.23	Negotiable
330482	31-MAY-12	VERIZON WIRELESS SERVICES LLC		7,140.57	Negotiable
330483	31-MAY-12	WASTE MANAGEMENT OF ORANGE COUNTY		70.57	Negotiable
330484	31-MAY-12	WATERLINE TECHNOLOGIES INC		4,440.00	Negotiable
330485	31-MAY-12	WAXIE'S ENTERPRISES, INC		517.20	Negotiable
330486	31-MAY-12	WECK LABORATORIES INC		230.00	Negotiable
330487	31-MAY-12	WELLS SUPPLY COMPANY		930.96	Negotiable
330488	31-MAY-12	WESTERN WATER WORKS SUPPLY COMPANY		598.82	Negotiable
330489	31-MAY-12	Peer Swan		3,615.73	Negotiable
330490	31-MAY-12	DATASITE INC	PAY	7,530.00	Negotiable

Payment Document Subtotal: 12,050,267.61

Payment Document : IRWD Wire

9422	15-MAY-12	CALPERS	SACRAMENTO	323,771.32	Negotiable
9423	16-MAY-12	CALPERS	SACRAMENTO	325,887.47	Negotiable
9424	30-MAY-12	YORK INSURANCE SERVICES GROUP INC - CA	PAY	454.96	Negotiable

IRWD Ledger Payment Register For 01-MAY-12 To 31-MAY-12 Report Date: 01-JUN-2012 10:59
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 32
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
9425		30-MAY-12	YORK INSURANCE SERVICES GROUP INC - CA	PAY	1,275.69			Negotiable
9426		30-MAY-12	FRANCHISE TAX BOARD	SACRAMENTO	194.46			Negotiable
9427		30-MAY-12	INTERNAL REVENUE SERVICE	FRESNO	142,006.63			Negotiable
9428		30-MAY-12	FRANCHISE TAX BOARD	SACRAMENTO	39,354.80			Negotiable
9429		30-MAY-12	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,142.27			Negotiable
9430		30-MAY-12	WILLIAMS, TWYLA	PARKER	658.62			Negotiable
9431		30-MAY-12	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,029.21			Negotiable
9432		30-MAY-12	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	21,262.59			Negotiable
9433		30-MAY-12	GREAT WEST	DENVER	83,238.61			Negotiable
9434		30-MAY-12	CALPERS	SACRAMENTO	247,335.56			Negotiable
9435		30-MAY-12	INTERNAL REVENUE SERVICE	FRESNO	144,711.88			Negotiable
9436		30-MAY-12	FRANCHISE TAX BOARD	SACRAMENTO	39,906.46			Negotiable
9437		30-MAY-12	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,305.30			Negotiable
9438		30-MAY-12	WILLIAMS, TWYLA	PARKER	1,158.79			Negotiable
9439		30-MAY-12	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,029.20			Negotiable
9440		30-MAY-12	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	11,662.59			Negotiable
9441		30-MAY-12	GREAT WEST	DENVER	84,119.28			Negotiable
9442		30-MAY-12	CALPERS	SACRAMENTO	248,272.76			Negotiable
9443		30-MAY-12	U.S. BANK NATIONALST. LOUIS		8,895.34			Negotiable

9444	30-MAY-12	ASSOCIATION CITIGROUP GLOBAL MARKETS INC.	NEW YORK	2,416,768.21	Negotiable
9445	30-MAY-12	U.S. BANK NATIONALPAY ASSOCIATION		10,967.20	Negotiable
9446	30-MAY-12	BANK OF AMERICA FRANCISCO	SAN	12,848.36	Negotiable

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

Payment Register For 01-MAY-12 To 31-MAY-12
 Account: Checking AP and PR
 Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Report Date: 01-JUN-2012 10:59
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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
9447		30-MAY-12	SUMITOMO MITSUI BANKING CORPORAION	NEW YORK	3,023.06			Negotiable
9448		30-MAY-12	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	17,217.04			Negotiable
9449		30-MAY-12	SUMITOMO MITSUI BANKING CORPORAION	NEW YORK	9,757.38			Negotiable
9450		30-MAY-12	BANK OF AMERICA FRANCISCO	SAN	8,612.03			Negotiable
9451		30-MAY-12	YORK INSURANCE SERVICES GROUP INC - CA	PAY	2,138.13			Negotiable
9452		30-MAY-12	YORK INSURANCE SERVICES GROUP INC - CA	PAY	1,850.07			Negotiable
9453		31-MAY-12	BANK OF AMERICA FRANCISCO	SAN	590.00			Negotiable
9454		31-MAY-12	MUNICIPAL WATER DISTRICT OF ORANGEVALLEY COUNTY	FOUNTAIN	1,290,364.33			Negotiable
9455		31-MAY-12	BANK OF AMERICA MERRILL LYNCH	PAY	250,000.00			Negotiable
9456		31-MAY-12	J.R. FILANC CONSTRUCTION COMPANY INC.	ESCONDIDO	2,290,097.71			Negotiable
Payment Document Subtotal:					8,062,907.31			
Bank Account Subtotal :					20,113,174.92			
Report Count : 883	Report Total:				20,113,174.92			

*** End of Report ***

June 25, 2012

Prepared and Submitted by: Various

Approved by: Paul Cook *PC*

CONSENT CALENDAR

DISTRICT STRATEGIC MEASURES DASHBOARD

SUMMARY:

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

RECOMMENDATION:

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

EXHIBITS:

Exhibit "A" - Strategic Measures Dashboard

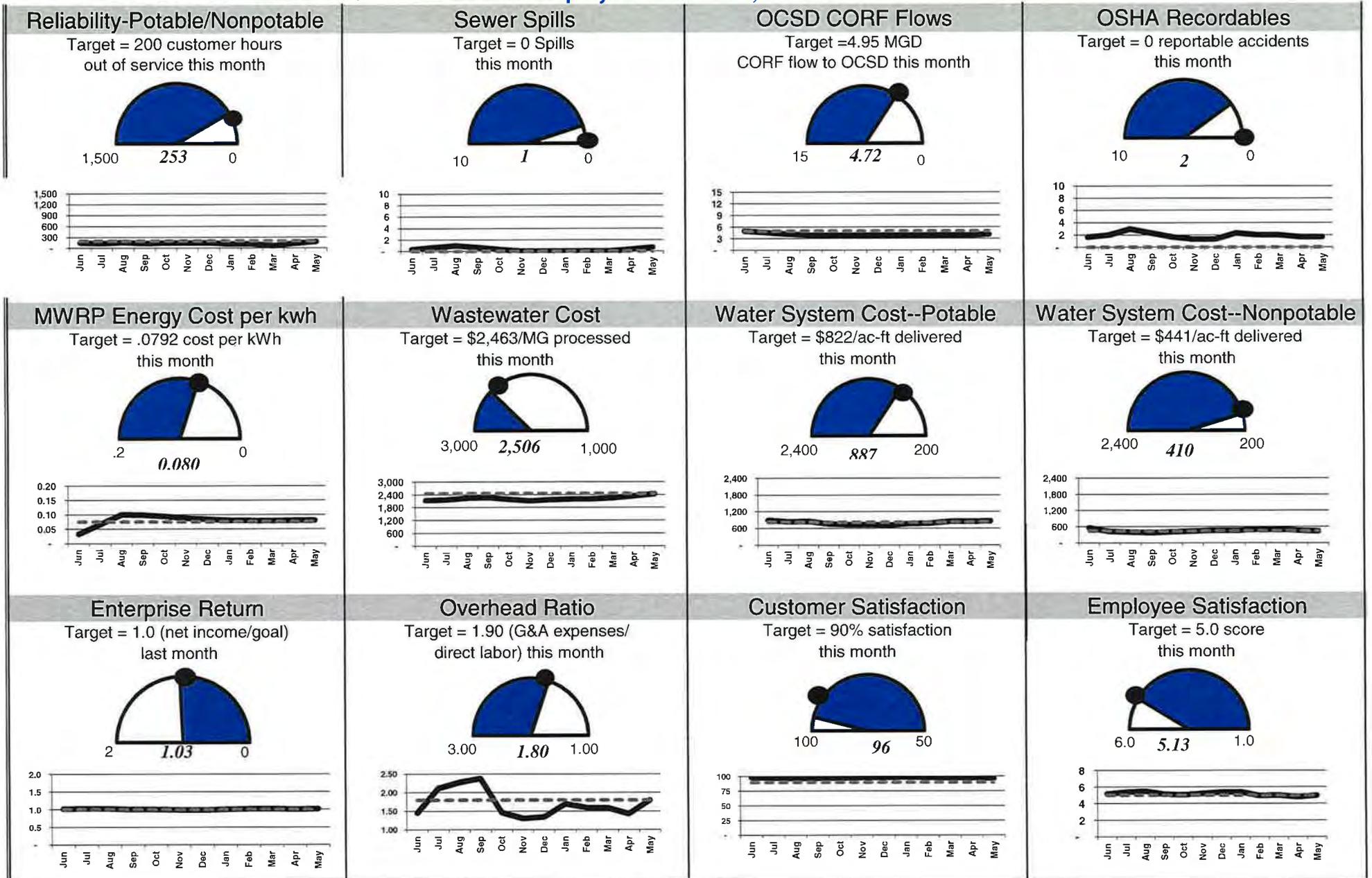
Exhibit "B" - Dyer Road Wellfield Status

Exhibit "C" - Reservoir Data

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES DASHBOARD

May 2012

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



● Target shown on gauge
 00.00 Figure for Current Month

..... Target shown on trend graph
 _____ 3-month rolling average

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Reliability-Potable/Nonpotable

MONTHLY STATUS REPORT

Metric Owner: Water Ops

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	283.80		<i>Thru:</i> May 2012
July 2011	62.33		<i>Goal:</i> 200.00
August 2011	148.10		
September 2011	176.90		
October 2011	130.00		
November 2011	114.50		
December 2011	197.10		
January 2012	35.42		
February 2012	98.10		
March 2012	65.10		
April 2012	231.20		
May 2012	252.60		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Sewer Spills

MONTHLY STATUS REPORT

Metric Owner: Gregory Springman Collection System Manager

Definition of Measure:

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

Method:

Total number of IRWD sewer spills

Data Collection

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

Current Issues

1. July, 2011-MWRP MPS-3 Forcemain Pigging Operation (2nd Phase), blockage occurred due to same cause. 25 gals SSO with 25 gals of wastewater contained and recovered.
2. August, 2011 - Irvine, 8" VCP. 165 gals SSO with 100% of wastewater contained and recovered. Caused by root intrusion.
3. April, 2012-Newport Coast Marriott, blockage occurred in a sewer easement due to root intrusion. 50 gals SSO with 50 gals of wastewater released into the environment. All wastewater spilled soaked into the grass covered easement.
4. May, 2012 - MWRP North interceptor trunk sewer main break caused by pile driving activities during MWRP expansion. The break occurred on the 48" VCP trunk sewer main. 9,425 gals SSO with 9,425 gals of wastewater contained and recovered.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	1.00		<i>Thru:</i> May 2012
July 2011	1.00		<i>Goal:</i> 0
August 2011	1.00		
September 2011	0		
October 2011	0		
November 2011	0		
December 2011	0		
January 2012	0		
February 2012	0		
March 2012	0		
April 2012	1.00		
May 2012	1.00		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

OCSD CORF Flows

MONTHLY STATUS REPORT

Metric Owner: Wayne Posey Director of Wastewater Operations

Definition of Measure:

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

Method:

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

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

Data Collection

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

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	4.95		<i>Thru:</i> May 2012
July 2011	3.85		<i>Goal:</i> 4.95
August 2011	3.83		
September 2011	3.83		
October 2011	3.83		
November 2011	3.83		
December 2011	3.84		
January 2012	3.84		
February 2012	3.84		
March 2012	3.84		
April 2012	3.86		
May 2012	4.72		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

OSHA Recordables

MONTHLY STATUS REPORT

Metric Owner: Ken Erwin District Safety & Security Manager

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. Engineering Tech. III while at computer work station sustained pain to right hand, forearm, bicep and shoulder
2. Collections manager, behind paint shop- OPS bldg. 71 sustained sprain ankle while walking on uneven soil

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	3.00		<i>Thru:</i> May 2012
July 2011	2.00		<i>Goal:</i> 0
August 2011	4.00		
September 2011	1.00		
October 2011	0		
November 2011	3.00		
December 2011	1.00		
January 2012	3.00		
February 2012	2.00		
March 2012	1.00		
April 2012	2.00		
May 2012	2.00		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

MWRP Energy Cost per kWh

MONTHLY STATUS REPORT

Metric Owner: Wayne Posey Director of Wastewater Operations

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	.10		<i>Thru:</i> May 2012
July 2011	.10		<i>Goal:</i> .08
August 2011	.10		
September 2011	.10		
October 2011	.09		
November 2011	.08		
December 2011	.08		
January 2012	.08		
February 2012	.08		
March 2012	.08		
April 2012	.08		
May 2012	.08		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Wastewater Cost

MONTHLY STATUS REPORT

Metric Owner: Wayne Posey Director of Wastewater Operations

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	1,973.19	2,378.00	<i>Thru:</i> May 2012
July 2011	2,393.00	2,380.00	<i>Goal:</i> 2,463.00
August 2011	2,390.00	2,386.00	
September 2011	2,040.00	2,386.00	
October 2011	2,126.00	2,190.00	
November 2011	2,186.00	2,196.00	
December 2011	2,196.00	2,232.00	
January 2012	2,202.00	2,273.00	
February 2012	2,218.65	2,313.00	
March 2012	2,331.06	2,363.00	
April 2012	2,467.50	2,401.00	
May 2012	2,506.00	2,463.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Water System Cost--Potable

MONTHLY STATUS REPORT

Metric Owner: Denise To-Nguyen Accountant

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	1,005.05	943.89	<i>Thru:</i> May 2012
July 2011	798.49	854.55	<i>Goal:</i> 822.00
August 2011	773.00	789.00	
September 2011	731.00	768.00	
October 2011	699.00	866.00	
November 2011	795.17	858.00	
December 2011	657.43	828.00	
January 2012	859.01	836.00	
February 2012	843.39	834.00	
March 2012	858.00	832.00	
April 2012	846.00	828.00	
May 2012	887.00	822.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Water System Cost--Nonpotable

MONTHLY STATUS REPORT

Metric Owner: Denise To-Nguyen Accountant

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	471.96	413.85	<i>Thru:</i> May 2012
July 2011	394.00	432.00	<i>Goal:</i> 441.00
August 2011	338.00	408.00	
September 2011	413.08	422.00	
October 2011	490.00	451.00	
November 2011	404.40	468.00	
December 2011	517.82	485.00	
January 2012	463.75	473.00	
February 2012	500.14	486.00	
March 2012	536.00	493.00	
April 2012	370.00	482.00	
May 2012	410.00	441.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Enterprise Return

MONTHLY STATUS REPORT

Metric Owner: Jayne George

Debt and Investment Analyst

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. The May measure is above budget due to higher than budgeted income at the Strawberry Farms Golf Course, Sycamore Canyon and Wood Canyon property.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	1.05		<i>Thru:</i> May 2012
July 2011	1.04		<i>Goal:</i> 1.00
August 2011	.98		
September 2011	1.00		
October 2011	1.03		
November 2011	.95		
December 2011	.99		
January 2012	1.07		
February 2012	1.00		
March 2012	1.00		
April 2012	1.02		
May 2012	1.03		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Overhead Ratio

MONTHLY STATUS REPORT

Metric Owner: Jessica Craig Accountant

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. Information not available at time of reporting.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	1.36		<i>Thru:</i> May 2012
July 2011	3.99		<i>Goal:</i> 1.80
August 2011	1.48		
September 2011	1.68		
October 2011	1.24		
November 2011	1.00		
December 2011	1.81		
January 2012	2.28		
February 2012	.70		
March 2012	1.80		
April 2012	Not available		
May 2012	Not available		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Customer Satisfaction

MONTHLY STATUS REPORT

Metric Owner: Gina Jackson

Customer Service Manager

Definition of Measure:

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

Method:

Data Collection

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

Current Issues

1. Total Overall Satisfaction: 96%
 Satisfaction: 88%
 Timely: 94%
 Phone: 100%
 Field Contact: 100%

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	98.00		<i>Thru:</i> May 2012
July 2011	95.00		<i>Goal:</i> 90.00
August 2011	96.00		
September 2011	99.00		
October 2011	95.00		
November 2011	100.00		
December 2011	98.00		
January 2012	98.00		
February 2012	98.00		
March 2012	95.00		
April 2012	99.00		
May 2012	96.00		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Employee Satisfaction

MONTHLY STATUS REPORT

Metric Owner: Gretchen Maswadeh Human Resources Manager

Definition of Measure:

Level of employee satisfaction with employment at IRWD.

Method:

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

Data Collection

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

Current Issues

1. 8 surveys were returned of 13 surveys sent (62%). 6 of 13 respondents (75%) rated satisfaction as 5 or 6 on a scale of 1 to 6. In the 12 month period ending May 2012, 102 surveys have been returned of 296 surveys sent (34%). 80 of 296 respondents (78%) rated satisfaction as 5 or 6 on a scale of 1 to 6. 12 month average rating is 5.16%.

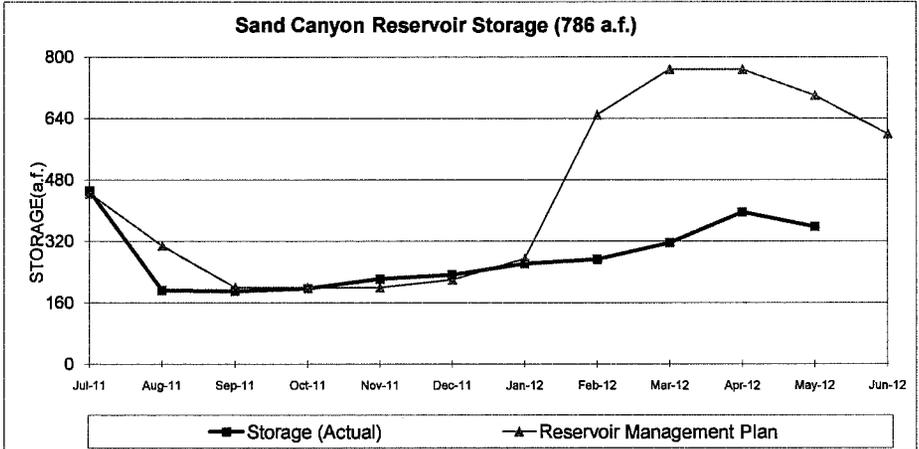
MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2011
June 2011	5.50		<i>Thru:</i> May 2012
July 2011	5.63		<i>Goal:</i> 5.00
August 2011	5.38		
September 2011	4.38		
October 2011	5.36		
November 2011	5.91		
December 2011	4.86		
January 2012	5.40		
February 2012	4.60		
March 2012	5.00		
April 2012	4.77		
May 2012	5.13		

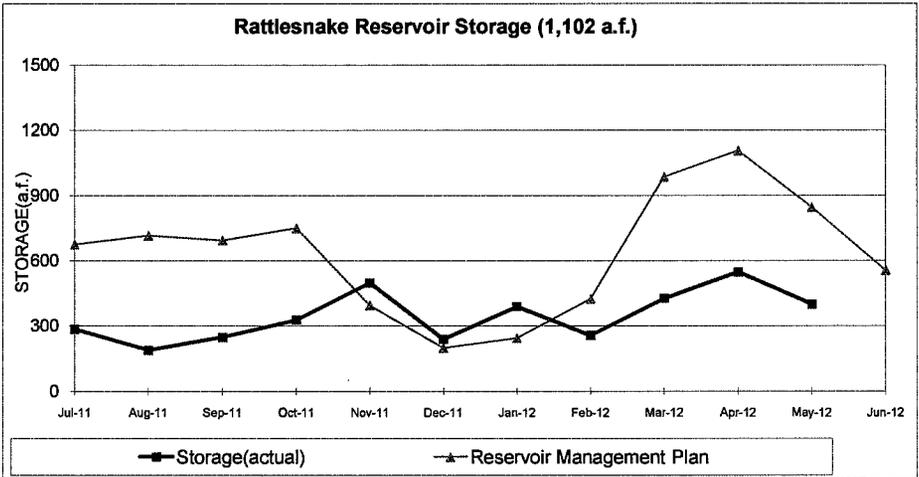
EXHIBIT "B"

DYER ROAD WELL FIELD STATUS							May-2012
Well Number	Production Mo./YTD	Ref. Point Elevation	Depth to Water 5/31/2012	Water Level-MSL	Depth of Bowls	Bowl Setting-MSL	Feet of Water Above Intake
1	90.2 AF 837.1 AF	34	N/A	N/A	270	-236	N/A
2	12.2 AF 1,239.2 AF	37	78	-42	270	-234	192
			Static				
3	0.0 AF 0.0 AF	55	82	-27	215	-160	133
			Static				
4	92.8 AF 1,061.1 AF	38	128	-90	216	-178	88
			Pumping				
5	143.3 AF 1,124.4 AF	48	266	-218	290	-242	24
			Pumping				
6	18.4 AF 811.2 AF	43	125	-82	250	-207	125
			Pumping				
7	89.1 AF 915.5 AF	40	216	-176	290	-250	74
			Pumping				
C-8 DATS	387.3 AF 4,578.9 AF	37	117	-80	305	-268	188
			Pumping				
C-9 DATS	297.7 AF 3,534.6 AF	23	118	-95	305	-282	187
			Pumping				
10	368.8 AF 2,474.3 AF	47	151	-104	250	-203	99
			Pumping				
11	30.9 AF 682.5 AF	40	160	-120	300	-260	140
			Pumping				
12	198.4 AF 1,146.2 AF	51	155	-104	300	-249	145
			Pumping				
13	22.2 AF 231.1 AF	40	106	-66	300	-260	194
			Static				
14	18.9 AF 898.4 AF	47	110	-63	311	-264	201
			Static				
15	247.5 AF 2,412.6 AF	44	148	-104	300	-256	152
			Pumping				
16	8.2 AF 427.6 AF	47	207	-160	280	-233	73
			Pumping				
17	300.1 AF 2,423.3 AF	52	170	-119	250	-199	80
			Pumping				
18	94.7 AF 768.4 AF	45	207	-162	300	-255	93
			Pumping				
Clear production:	1,735.7 AF for the month						
FYTD:	17,452.9 AF						
DATS production:	685.0 AF for the month						
FYTD:	8,113.5 AF						

RESERVOIR DATA FY 11-12

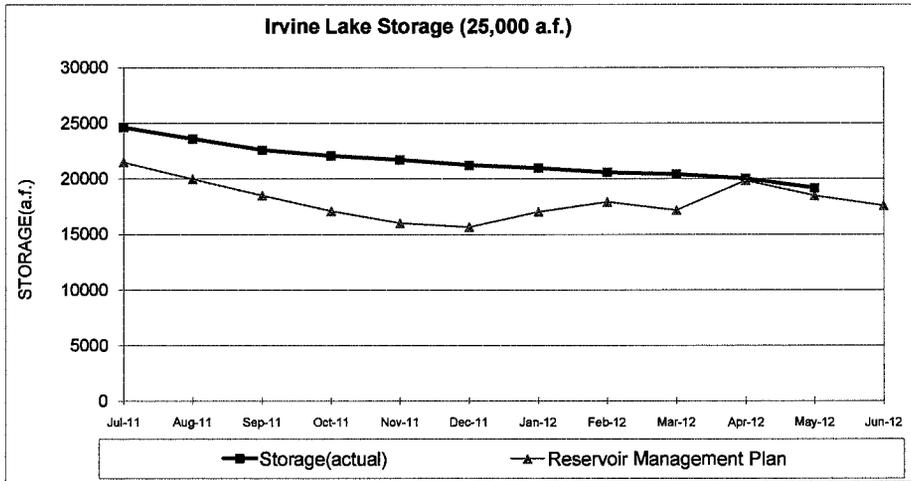


Sand Canyon Reservoir runoff was less than expected.

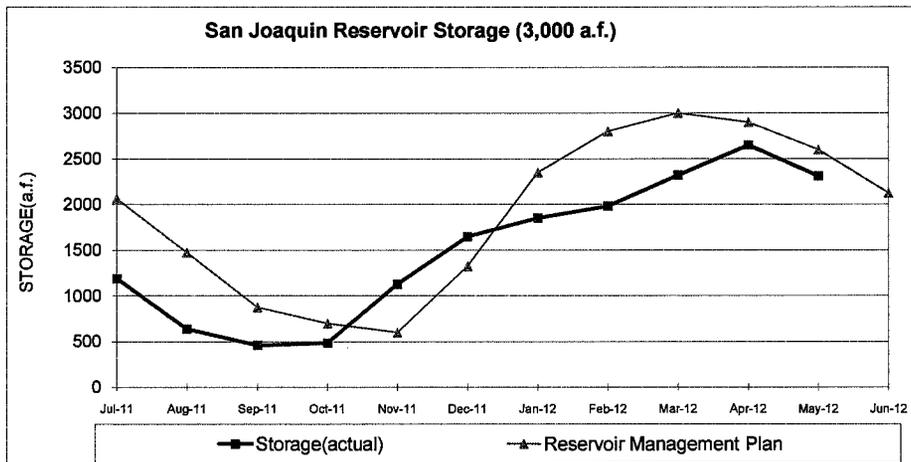


Rattlesnake storage is below average due to dry weather. The GAP was shutdown on 3/15/12.

RESERVOIR DATA FY 11-12



Irvine Lake storage is on track.



San Joaquin Reservoir storage is on track.

June 25, 2012

Prepared by: W. Posey

Submitted by: D. Pedersen *DWP*

Approved by: Paul Cook *P. Cook*

CONSENT CALENDAR

WASTEWATER OPERATIONS FISCAL YEAR 2012-13 EXPENDITURE AUTHORIZATIONS

SUMMARY:

Staff recommends the Board approve Expenditure Authorizations for the following annual Wastewater Operations projects that were approved in the Fiscal Year (FY) 2012-13 Capital Budget:

- Project 11513 (1625) for \$275,000, Project 21513 (1251) for \$165,000 and Project 31513 (1364) for \$220,000 for Mechanical and Electrical System Modifications;
- Project 20957 (1221) for Sewer General System Modifications for \$275,000 ;
- Project 20910 (1149) for MWRP General System Modifications for \$222,200;
- Project 21004 (1265) for \$110,000 for LAWRP General System Modifications; and
- Project 21037 (1318) for \$70,400 for Chiquita General System Modifications.

BACKGROUND:

The following annual Wastewater Operations projects are included in the approved FY 2012-13 Capital Budget:

Mechanical and Electrical System Modifications:

These projects consist of performing unforeseen mechanical and electrical system modifications within the domestic, sewer and recycled water systems throughout FY 2012-13.

Sewer General System Modifications:

This project consists of performing unforeseen system modifications within the collections system during FY 2012-13, including repair and rehabilitation of severely deteriorated manhole structures.

MWRP General System Modifications:

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

LAWRP General System Modifications:

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

Chiquita General System Modifications:

This project provides funding for the District’s annual prorated share of Santa Margarita Water District’s Chiquita System Capital Replacement/Maintenance costs per the “Agreement Between Irvine Ranch Water District and Santa Margarita Water District Regarding Collection, Treatment and Disposal of Wastewater to the Chiquita System and El Toro Trunk Sewer System”, dated February 27, 1989.

FISCAL IMPACTS:

These projects are included in the approved FY 2012-13 Capital Budget. The Expenditure Authorizations are provided as Exhibit “A”. Projects 11513 (1625), 21513 (1251), 31513 (1364), and 21037 (1318) are funded by the replacement fund and Projects 20910 (1149), 21004 (1265) and 20957 (1221) are funded based on regional improvement district allocations.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
11513 (1625)	\$ 275,000	\$0	\$ 275,000	\$0	\$ 275,000	\$ 275,000
21513 (1251)	\$ 165,000	\$0	\$ 165,000	\$0	\$ 165,000	\$ 165,000
31513 (1364)	\$ 220,000	\$0	\$ 220,000	\$0	\$ 220,000	\$ 220,000
20957 (1221)	\$ 275,000	\$0	\$ 275,000	\$0	\$ 275,000	\$ 275,000
20910 (1149)	\$ 222,200	\$0	\$ 222,200	\$0	\$ 222,200	\$ 222,200
21004 (1265)	\$ 110,000	\$0	\$ 110,000	\$0	\$ 110,000	\$ 110,000
21037 (1318)	\$ 70,400	\$0	\$ 70,400	\$0	\$ 70,400	\$ 70,400
TOTAL	\$1,337,600	\$0	\$1,337,600	\$0	\$1,337,600	\$1,337,600

ENVIRONMENTAL COMPLIANCE:

Project 21037 (1318) 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 at the Engineering and Operations Committee on June 19, 2012.

RECOMMENDATION:

THAT THE COMMITTEE RECOMMEND THE BOARD APPROVE EXPENDITURE AUTHORIZATIONS FOR PROJECT 11513 (1625) FOR \$275,000; PROJECT 21513 (1251) FOR \$165,000; PROJECT 31513 (1364) FOR \$220,000; PROJECT 20957 (1221) FOR \$275,000; PROJECT 20910 (1149) FOR \$222,200; PROJECT 21004 (1265) FOR \$110,000 AND PROJECT 21037 (1318) FOR \$70,400.

LIST OF EXHIBITS:

Exhibit "A" – Expenditure Authorizations

IRVINE RANCH WATER DISTRICT

EXHIBIT "A"

Expenditure Authorization

Project Name: MECH & ELEC SYS MODS - DW 12/13
 EPMS Project No: 11513 EA No: 1
 Oracle Project No: 1625
 Project Manager: POSEY, WAYNE
 Project Engineer: FIKE, CHRISTOPHER
 Request Date: June 6, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
101	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$275,000
Total EA Requests:	\$275,000
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$275,000
Updated Budget:	\$275,000
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	250,000	0	250,000	250,000	0	250,000	7/12	6/13
Contingency - 10.00% Subtotal	\$25,000	\$0	\$25,000	\$25,000	\$0	\$25,000		
Subtotal (Direct Costs)	\$275,000	\$0	\$275,000	\$275,000	\$0	\$275,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$275,000	\$0	\$275,000	\$275,000	\$0	\$275,000		
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 \$281,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. The project is intended to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-1"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: MECH & ELEC SYS MODS - RW 12/13
 EPMS Project No: 31513 EA No: 1
 Oracle Project No: 1364
 Project Manager: POSEY, WAYNE
 Project Engineer: FIKE, CHRISTOPHER
 Request Date: June 6, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$220,000
Total EA Requests:	\$220,000
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$220,000
Updated Budget:	\$220,000
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	200,000	0	200,000	200,000	0	200,000	7/12	6/13
Contingency - 10.00% Subtotal	\$20,000	\$0	\$20,000	\$20,000	\$0	\$20,000		
Subtotal (Direct Costs)	\$220,000	\$0	\$220,000	\$220,000	\$0	\$220,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$220,000	\$0	\$220,000	\$220,000	\$0	\$220,000		
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 \$225,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporate official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-3"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: MWRP GEN SYS MODS 12/13
 EPMS Project No: 20910 EA No: 1
 Oracle Project No: 1149
 Project Manager: POSEY, WAYNE
 Project Engineer: GINGRAS, MARK
 Request Date: June 6, 2012

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**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$222,200
Total EA Requests:	\$222,200
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$222,200
Updated Budget:	\$222,200
Budget Remaining After This EA	\$0

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	7/12	6/13
CONSTRUCTION	200,000	0	200,000	200,000	0	200,000	7/12	6/13
Contingency - 10.00% Subtotal	\$20,200	\$0	\$20,200	\$20,200	\$0	\$20,200		
Subtotal (Direct Costs)	\$222,200	\$0	\$222,200	\$222,200	\$0	\$222,200		
Estimated G/A - 180.00% of direct labor*	\$3,600	\$0	\$3,600	\$3,600	\$0	\$3,600		
Total	\$225,800	\$0	\$225,800	\$225,800	\$0	\$225,800		
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: Mark B. Augeri 6/7/12

Department Director: Wayne D. Posey 6/7/12

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 \$231,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. IRWD has no intention to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-4"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: LAWRP GENERAL SYSTEM MODIFICATIONS 12/13

EPMS Project No: 21004 EA No: 1

Oracle Project No: 1265

Project Manager: POSEY, WAYNE

Project Engineer: WEHR, DANA

Request Date: June 6, 2012

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**
Total	100.0%	

Summary of Direct Cost Authorizations

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

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	100,000	0	100,000	100,000	0	100,000	7/12	6/13
Contingency - 10.00% Subtotal	\$10,000	\$0	\$10,000	\$10,000	\$0	\$10,000		
Subtotal (Direct Costs)	\$110,000	\$0	\$110,000	\$110,000	\$0	\$110,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$110,000	\$0	\$110,000	\$110,000	\$0	\$110,000		
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:

W.D.P. for Dana Wehr 6/7/12

Department Director:

W.D.P. for Dennis Palmer 6/7/12

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 \$113,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. It is the intent of IRWD to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-5"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: CHIQUITA GENERAL SYSTEM MODIFICATIONS 012/13
 EPMS Project No: 21037 EA No: 1
 Oracle Project No: 1318
 Project Manager: POSEY, WAYNE
 Project Engineer: POSEY, WAYNE
 Request Date: June 6, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$70,400
Total EA Requests:	\$70,400
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$70,400
Updated Budget:	\$70,400
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	64,000	0	64,000	64,000	0	64,000	7/12	6/13
Contingency - 10.00% Subtotal	\$6,400	\$0	\$6,400	\$6,400	\$0	\$6,400		
Subtotal (Direct Costs)	\$70,400	\$0	\$70,400	\$70,400	\$0	\$70,400		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$70,400	\$0	\$70,400	\$70,400	\$0	\$70,400		
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: Wayne Posey 6/7/12

Department Director: Wayne Posey David H. O'Brien 6/7/12

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 \$72,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated in full. IRWD has no official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-6"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: SEWER GEN SYS MODS 12/13
 EPMS Project No: 20957 EA No: 1
 Oracle Project No: 1221
 Project Manager: POSEY, WAYNE
 Project Engineer: SPRINGMAN, GREGORY
 Request Date: June 6, 2012

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**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$275,000
Total EA Requests:	\$275,000
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$275,000
Updated Budget:	\$275,000
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	250,000	0	250,000	250,000	0	250,000	7/12	6/13
Contingency - 10.00% Subtotal	\$25,000	\$0	\$25,000	\$25,000	\$0	\$25,000		
Subtotal (Direct Costs)	\$275,000	\$0	\$275,000	\$275,000	\$0	\$275,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$275,000	\$0	\$275,000	\$275,000	\$0	\$275,000		
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 \$281,000. The above-captioned project 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 1.150-2.

EXHIBIT "A-7"

OS
June 25, 2012

Prepared by: E. Akiyoshi/M. Hoolihan

Submitted by: K. Burton

Approved by: Paul Cook

CONSENT CALENDAR

FISCAL YEAR 2012-13 EXPENDITURE AUTHORIZATIONS

SUMMARY:

Staff requests that the Board approve Expenditure Authorizations for the annual Engineering Planning Study Reserve, Orange County Sanitation District (OCSD) Capital Outlay Revolving Fund (CORF), Solids Handling, On-Site and Off-Site Recycled Water Conversions, and Health Department Fees.

BACKGROUND:

Included in the FY 2012-13 Capital Budget are the annual projects listed below. Staff requests approval of the attached Expenditure Authorizations (EAs) for these projects:

<u>Oracle Project Number</u>	<u>Description of FY 2011-12 Project</u>	<u>Direct Cost Budget</u>	<u>Direct EA Request</u>
1767	Eng. Planning Study Reserve (Water)	\$ 143,000	\$ 71,500
1541	OCSD CORF	1,673,000	1,673,000
1393	OCSD Solids Handling	1,150,000	1,150,000
3731	Recycled Conversions On-Site	250,000	250,000
3732	Recycled Conversions Off-Site	145,800	145,800
3778	Health Department Fees	<u>77,000</u>	<u>77,000</u>
	TOTALS	\$ 3,438,800	\$ 3,367,300

Summarized below are detailed project descriptions:

- Engineering Planning Study Reserve reflects the typical 50% initial authorization of funds. Staff requests authorization of all budgeted funds for the other projects as their purpose is clearly defined and allows a minimum of staff discretion.
- The OCSD CORF expenditure is \$1,336,300 with an additional \$336,700 paid in the next fiscal year. OCSD typically provides three to four invoices for CORF in the current fiscal year, and the remaining invoice is received in the following fiscal year.
- OCSD Solids Handling accounts for IRWD leasing solids handling capacity at OCSD.

- Recycled Water Conversion projects provide funding for anticipated recycled water retrofit projects (on-site and off-site work) for the upcoming fiscal year.
- Health Department fees are for review and inspection of dual plumbing and other recycled water projects.

There are other annual projects included in the FY 2012-13 Capital Budget where the General Manager's approval on EAs is sufficient. These include updating atlas maps and as-built plans, and administrating the Natural Communities Conservation Planning Program (NCCP) for IRWD projects.

FISCAL IMPACTS:

Projects 1767, 1541, 1393, 3731, 3732, and 3778 are included in the FY 2012-13 Capital Budget.

ENVIRONMENTAL COMPLIANCE:

The Planning Reserve Project 1767 is exempt as a planning study and as a ministerial decision under Sections 21150 and 21080, respectively, of the Public Resources Code. IRWD is not the lead agency for project 1541 (OCSD CORF) and for project 1393 (OCSD Solids Handling). The recommended action for Projects 3731 and 3732 (Recycled Water Conversions) does not constitute "approval" under Section 15252 of the CEQA Guidelines because it does not commit IRWD to a specific course of action; however, in conformance with the California Code of Regulations Title 14, Chapter 3, Section 15004, the appropriate environmental evaluation will be conducted when "meaningful information" becomes available.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on June 19, 2012.

RECOMMENDATION:

THAT THE BOARD APPROVE EXPENDITURE AUTHORIZATIONS FOR FY 2012-13 FOR \$71,500 FOR PROJECT 1767, ENGINEERING PLANNING STUDY RESERVE; \$1,673,000 FOR PROJECT 1541, OCSD CORF; \$1,150,000 FOR PROJECT 1393, OCSD SOLIDS HANDLING; \$250,000 FOR PROJECT 3731, RECYCLED CONVERSIONS ON-SITE; \$145,800 FOR PROJECT 3732, RECYCLED CONVERSIONS OFF-SITE; AND \$77,000 FOR PROJECT 3778, HEALTH DEPARTMENT FEES.

LIST OF EXHIBITS:

Exhibit "A" – Expenditure Authorizations

EXHIBIT "A"

IRVINE RANCH WATER DIST Expenditure Authorization

Project Name: ENG PLANNING STUDY RESERVE 12/13
EPMS Project No: 11054 **EA No:** 1
Oracle Project No: 1767
Project Manager: HOOLIHAN, MICHAEL
Project Engineer: JOSHI, RAGHAVENDER
Request Date: June 7, 2012

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**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$71,500
Total EA Requests:	\$71,500
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$143,000
Updated Budget:	\$143,000
Budget Remaining After This EA	\$71,500

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING IRWD	40,000	0	40,000	80,000	0	80,000	7/12	6/13
ENGINEERING - PLANNING OUTSIDE	25,000	0	25,000	50,000	0	50,000	7/12	6/13
Contingency - 10.00% Subtotal	\$6,500	\$0	\$6,500	\$13,000	\$0	\$13,000		
Subtotal (Direct Costs)	\$71,500	\$0	\$71,500	\$143,000	\$0	\$143,000		
Estimated G/A - 180.00% of direct labor*	\$72,000	\$0	\$72,000	\$144,000	\$0	\$144,000		
Total	\$143,500	\$0	\$143,500	\$287,000	\$0	\$287,000		
Direct Labor	\$40,000	\$0	\$40,000	\$80,000	\$0	\$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: _____

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 \$200,000. This project is further described in the attached staff report and project is made under Treasury Regulation Section 1.150 of official intent to reimburse costs of the above-captioned

A-1

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: OCSD CORF 12/13
 EPMS Project No: 20113 EA No: 1
 Oracle Project No: 1541
 Project Manager: HOOLIHAN, MICHAEL
 Project Engineer: JOSHI, RAGHAVENDER
 Request Date: June 7, 2012

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**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$1,673,000
Total EA Requests:	\$1,673,000
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$1,673,000
Updated Budget:	\$1,673,000
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	1,673,000	0	1,673,000	1,673,000	0	1,673,000	7/12	9/13
Contingency - % Subtotal	\$0	\$0	\$0	\$0	\$0	\$0		
Subtotal (Direct Costs)	\$1,673,000	\$0	\$1,673,000	\$1,673,000	\$0	\$1,673,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$1,673,000	\$0	\$1,673,000	\$1,673,000	\$0	\$1,673,000		
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 \$1,7 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: OCSD SOLIDS HANDLING 12/13
 EPMS Project No: 20809 EA No: 1
 Oracle Project No: 1393
 Project Manager: HOOLIHAN, MICHAEL
 Project Engineer: JOSHI, RAGHAVENDER
 Request Date: June 7, 2012

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**
Total	100.0%	

Summary of Direct Cost Authorizations

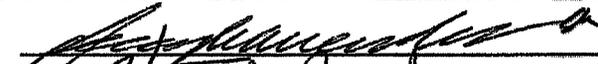
Previously Approved EA Requests:	\$0
This Request:	\$1,150,000
Total EA Requests:	\$1,150,000
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$1,150,000
Updated Budget:	\$1,150,000
Budget Remaining After This EA	\$0

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	1,150,000	0	1,150,000	1,150,000	0	1,150,000	7/12	6/13
Contingency - % Subtotal	\$0	\$0	\$0	\$0	\$0	\$0		
Subtotal (Direct Costs)	\$1,150,000	\$0	\$1,150,000	\$1,150,000	\$0	\$1,150,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$1,150,000	\$0	\$1,150,000	\$1,150,000	\$0	\$1,150,000		
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:

 6/11/12

Department Director:

 6/12/12

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 \$1,173,000. The above captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. The project is made under Treasury Regulation Section 1.150

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: RW CONVERSION GRANTS FOR ON-SITE 12/13
 EPMS Project No: 30377 EA No: 1
 Oracle Project No: 3731
 Project Manager: TETTEMER, JOHN
 Project Engineer: HERR, GREGORY
 Request Date: June 7, 2012

ID Split: Reclaimed Water Conversion (11/08)

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	50.0	REPLACEMENT FUND**
211	1.0	CAPITAL FUND
212	8.4	BONDS YET TO BE SOLD**
213	2.9	BONDS YET TO BE SOLD**
221	7.9	BONDS YET TO BE SOLD**
230	6.8	BONDS YET TO BE SOLD**
240	4.2	BONDS YET TO BE SOLD**
250	13.7	BONDS YET TO BE SOLD**
261	5.1	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$250,000
Total EA Requests:	\$250,000
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$250,000
Updated Budget:	\$250,000
Budget Remaining After This EA	\$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	10,000	0	10,000	10,000	0	10,000	7/12	6/13
ENGINEERING DESIGN - IRWD	10,000	0	10,000	10,000	0	10,000	7/12	6/13
ENGINEERING DESIGN - OUTSIDE	25,000	0	25,000	25,000	0	25,000	7/12	6/13
ENGINEERING - CA&I IRWD	10,000	0	10,000	10,000	0	10,000	7/12	6/13
CONSTRUCTION	191,000	0	191,000	191,000	0	191,000	7/12	6/13
LEGAL	2,000	0	2,000	2,000	0	2,000	7/12	6/13
ADMINISTRATIVE & GENERAL EXPEN	2,000	0	2,000	2,000	0	2,000	7/12	6/13
Contingency - % Subtotal	\$0	\$0	\$0	\$0	\$0	\$0		
Subtotal (Direct Costs)	\$250,000	\$0	\$250,000	\$250,000	\$0	\$250,000		
Estimated G/A - 180.00% of direct labor*	\$54,000	\$0	\$54,000	\$54,000	\$0	\$54,000		
Total	\$304,000	\$0	\$304,000	\$304,000	\$0	\$304,000		
Direct Labor	\$30,000	\$0	\$30,000	\$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: _____

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 \$314,000. 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 1.150-1.

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: RW CONVERSION FOR OFF-SITE 12/13
 EPMS Project No: 30378 EA No: 1
 Oracle Project No: 3732
 Project Manager: TETTEMER, JOHN
 Project Engineer: HERR, GREGORY
 Request Date: June 7, 2012

ID Split: Reclaimed Water Conversion w/ LAWD (11/08)
 Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	50.0	REPLACEMENT FUND**
211	1.0	CAPITAL FUND
212	7.8	BONDS YET TO BE SOLD**
213	2.8	BONDS YET TO BE SOLD**
221	7.3	BONDS YET TO BE SOLD**
230	6.5	BONDS YET TO BE SOLD**
235	3.2	PREVIOUSLY SOLD BONDS
240	3.8	BONDS YET TO BE SOLD**
250	12.8	BONDS YET TO BE SOLD**
261	4.8	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

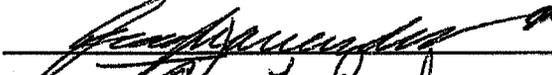
Previously Approved EA Requests:	\$0
This Request:	\$145,800
Total EA Requests:	\$145,800
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$145,800
Updated Budget:	\$145,800
Budget Remaining After This EA	\$0

Comments:

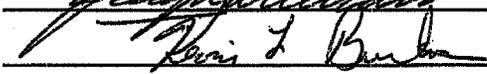
Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	5,000	0	5,000	5,000	0	5,000	7/12	6/13
ENGINEERING DESIGN - OUTSIDE	5,000	0	5,000	5,000	0	5,000	7/12	6/13
DESIGN STAFF FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	7/12	6/13
ENGINEERING - CA&I IRWD	10,000	0	10,000	10,000	0	10,000	7/12	6/13
ENGINEERING - CA&I OUTSIDE	0	0	0	0	0	0	7/12	6/13
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	7/12	6/13
CONSTRUCTION	100,000	0	100,000	100,000	0	100,000	7/12	6/13
LEGAL	2,500	0	2,500	2,500	0	2,500	7/12	6/13
Contingency - 10.00% Subtotal	\$13,300	\$0	\$13,300	\$13,300	\$0	\$13,300		
Subtotal (Direct Costs)	\$145,800	\$0	\$145,800	\$145,800	\$0	\$145,800		
Estimated G/A - 180.00% of direct labor*	\$45,000	\$0	\$45,000	\$45,000	\$0	\$45,000		
Total	\$190,800	\$0	\$190,800	\$190,800	\$0	\$190,800		
Direct Labor	\$25,000	\$0	\$25,000	\$25,000	\$0	\$25,000		

*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:

 6/11/12

Department Director:

 6/12/12

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 \$195,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. The 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: HEALTH DEPT FEES FOR 12/13
EPMS Project No: 30379 **EA No:** 1
Oracle Project No: 3778
Project Manager: TETTEMER, JOHN
Project Engineer: HARRIS, ALEX
Request Date: June 7, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No. **Allocation %** **Source of Funds**

ID No.	Allocation %	Source of Funds
211	1.9	CAPITAL FUND
212	15.7	BONDS YET TO BE SOLD**
213	5.5	BONDS YET TO BE SOLD**
221	14.7	BONDS YET TO BE SOLD**
230	8.7	BONDS YET TO BE SOLD**
235	6.4	BONDS YET TO BE SOLD**
240	7.7	BONDS YET TO BE SOLD**
250	25.6	BONDS YET TO BE SOLD**
261	9.6	BONDS YET TO BE SOLD**
290	4.2	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$77,000
Total EA Requests:	\$77,000
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$77,000
Updated Budget:	\$77,000
Budget Remaining After This EA	\$0

Comments:

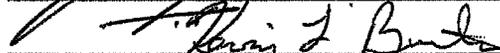
Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - CA&I IRWD	10,000	0	10,000	10,000	0	10,000	7/12	6/13
ENGINEERING - CA&I OUTSIDE	60,000	0	60,000	60,000	0	60,000	7/12	6/13
Contingency - 10.00% Subtotal	\$7,000	\$0	\$7,000	\$7,000	\$0	\$7,000		
Subtotal (Direct Costs)	\$77,000	\$0	\$77,000	\$77,000	\$0	\$77,000		
Estimated G/A - 180.00% of direct labor*	\$18,000	\$0	\$18,000	\$19,500	\$0	\$19,500		
Total	\$95,000	\$0	\$95,000	\$96,500	\$0	\$96,500		
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:

 6/11/12

Department Director:

 6/12/12

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 \$9^M additional documents, if any, which are hereby incorporated into this project is made under Treasury Regulation Section 1.150-

is further described in the attached staff report and official intent to reimburse costs of the above-captioned

June 25, 2012

Prepared by: K. Welch/J. Moeder

Submitted by: G. Heiertz

Approved by: Paul Cook

CONSENT CALENDAR

PROPOSITION 50 GRANT APPLICATION FOR WELL 115 REPLACEMENT PROJECT

SUMMARY:

The California Department of Public Health (DPH) has invited the District to apply for grant funding under its Proposition 50 Chapter 4b, Southern California Projects to Reduce Demand on Colorado River Water. The grant is for projects that assist DPH in meeting drinking water standards and in meeting the state's commitment to reduce Colorado River water use to 4.4 million acre feet per year (AFY). Staff recommends that the Board:

- Authorize staff to submit a grant application under Prop 50 for the Well 115 Replacement Project for funding up to \$1.9 million and agree to grant application requirements including a matching fund requirement of at least 50 percent; and
- Adopt a resolution authorizing the General Manager to sign and file an application for Prop 50 grant funding with the State of California

BACKGROUND:

During 2006, the District's Irvine Desalter Project (IDP) was placed on a project priority list for potential grant funding through Prop 50, Chapter 4b for projects that assist DPH in meeting drinking water standards and reducing demands on Colorado River. Due to the statewide bond freeze, the funding program was placed on hold and the District proceeded with the construction of the IDP project. In March 2012, staff received an invitation to submit an application for Prop 50 funding for the IDP. Since the IDP was constructed it was no longer eligible, however, the DPH indicated they may consider an alternative project related to the IDP objectives and one which met the grant submittal deadlines. The Prop 50, Chapter 4 program includes very short deadlines for submittals of project plans, environmental documentation and other required documents. Staff considered several projects that would meet both the grant program objectives and the submittal deadlines.

Well 115 was an original Irvine Company non-potable well which was connected to the IDP potable treatment plant system. In late 2011, Well 115 began showing problems and a downhole video survey confirmed casing integrity issues which in turn caused IDP operational issues due to increased levels of manganese. Well 115 was taken off line in February 2012 and was determined to be at the end of its useful life. On February 27, 2012, the Board approved the addition of the Well 115 Replacement Project to the FY 2011-12 Capital Budget in the amount of \$3,686,600. The Well 115 project is expected to yield approximately 1,000 gpm which after treatment will produce approximately 1,250 AFY of potable water.

Through negotiations with DPH, staff received approval on June 4, 2012, to submit a grant application for the Well 115 project. Due to the short application deadline of June 8, 2012, staff was unable to request a Board resolution and submitted the application under the General

Manager's signature. Staff is now requesting that the Board authorize the submittal of an application for the Prop 50 grant funding for the Well 115 Replacement Project. The required resolution is attached as Exhibit "A".

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and in conformance with the California Code of Regulations Title 14, Chapter 3, Article 7; a Notice of Exemption will be prepared. Staff anticipates completing the Notice of Exemption for this project in August 2012.

COMMITTEE STATUS:

This item was not reviewed by a Committee due to time constraints related to the grant application submittal deadline.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A GRANT APPLICATION FOR WELL 115 REPLACEMENT PROJECT FOR FUNDING UP TO \$1.9 MILLION AND AGREE TO GRANT APPLICATION REQUIREMENTS INCLUDING A MATCHING FUND REQUIREMENT OF AT LEAST 50 PERCENT; AND ADOPT THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2012 –

**RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH
WATER DISTRICT AUTHORIZING SUBMISSION OF AN APPLICATION FOR
PROPOSITION 50 FUNDING AND AUTHORIZING THE GENERAL MANAGER TO SIGN
AND FILE AN APPLICATION WITH THE STATE OF CALIFORNIA**

LIST OF EXHIBITS:

Exhibit "A" – Resolution Authorizing Submission of an Application for Proposition 50 Funding

EXHIBIT "A"

RESOLUTION NO. 2012-

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE
RANCH WATER DISTRICT AUTHORIZING SUBMISSION
OF AN APPLICATION FOR PROPOSITION 50 FUNDING AND AUTHORIZING THE
GENERAL MANAGER TO SIGN AND FILE AN APPLICATION WITH THE STATE OF
CALIFORNIA

WHEREAS, the Irvine Ranch Water District has the authority to construct, operate, and maintain the Irvine Ranch Water District water system; and

WHEREAS, the Irvine Ranch Water District desires to enhance the provision and protection of the drinking water supplied to the consumers of the Irvine Ranch Water District, therefore;

BE IT RESOLVED by the Irvine Ranch Water District that, pursuant and subject to all of the terms and provisions of the Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 (Proposition 50) and all amendments thereto, application be made the State of California for funding; and

BE IT RESOLVED that the General Manager of said Irvine Ranch Water District is hereby authorized and directed to cause the necessary data to be prepared, investigations to be performed and application to be signed and filed with the State of California.

APPROVED, SIGNED and ADOPTED this 25th day of June 2012.

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

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

APPROVED AS TO FORM:
BOWIE, ARNESON, WILES & GIANNONE

Legal Counsel

June 25, 2012

Prepared by: C. Spangenberg/S. Malloy

Submitted by: K. Burton

Approved by: Paul Cook 

CONSENT CALENDAR

MWRP BIOSOLIDS HANDLING AND ENERGY RECOVERY FACILITIES VARIANCE NO. 11

SUMMARY:

Staff completed a review of the 90% design documents prepared by Black & Veatch for the Michelson Water Recycling Plant (MWRP) Biosolids and Energy Recovery Facilities to provide biosolids digestion, dewatering, energy production and on-site drying. Staff recommends that the Board approve Variance No. 11 in the amount of \$120,760 with Black & Veatch for design modifications to enhance the design, operations, safety and efficiency of the biosolids facility.

BACKGROUND:

During the 90% design review, staff identified and requested several design modifications to enhance the design, operations, safety and efficiency of the biosolids facility that were out of scope items to Black & Veatch's original design. These items include:

- Separation of control panels to allow individual equipment isolation (requires changes to process and instrumentation diagrams, electrical drawings, cable and conduit schedules, and equipment specifications);
- Change from constant rate to variable frequency drives on sludge pump stations;
- Modifications to motor control equipment specifications and drawings to include arc resistant capability;
- Modification of packaged equipment to provide separate control power disconnects;
- Additional meetings and preparation of additional documents and graphics in support of Environ's preparation of the SCAQMD permit application;
- Several alternative estimates for greenhouse gas emissions in support of the Supplemental Environmental Impact Report consultant;
- Negotiations costs, terms and conditions for 12 pieces of critical process equipment for inclusion into bid documents;
- Investigation of the opportunity to import processed food waste from Waste Management, including a facility site visit and evaluation of digester operating data at existing biosolids facilities;
- Credit to IRWD for reduced level of effort in preparing the contractors' Request for Qualifications and rating criteria due to using IRWD's previously prepared documents;
- Credit to IRWD for reduction by one contractor as part of constructability review;
- Additional geotechnical efforts by Black & Veatch sub-consultant NMG Geotechnical for pile design, pile inspection, and report preparation; and
- Study to evaluate proposed alternative sludge handling methods for the Baker Water Treatment Project and potential impacts on IRWD wastewater treatment facilities.

In order to complete the design of the biosolids facility, staff requests Board approval of Variance No. 11 in the amount of \$120,760 for the additional scope of work.

Schedule:

Staff has completed review of the 90% design submittal by Black & Veatch. The design schedule is delayed by approximately four months – from the end of May – due to delays in completing the design review process, constructability reviews, contractor prequalification, and time to negotiate costs, terms and conditions with selected equipment suppliers. The revised project schedule is shown below:

Final Design Completion:	September 2012
Bid Opening:	November 2012
Construction Award:	December 2012
Class B Facilities Complete:	December 2015
Class A Facilities Complete:	June 2016

FISCAL IMPACTS:

The MWRP Biosolids Handling and Energy Recovery Facilities, Project 20847 (1617) is included in the FY 2012-13 Capital Budget. No additional funds are required at this time to complete this work covered in Variance No. 11.

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and in conformance with the California Code of Regulations Title 14, Chapter 3, Article 7; a Supplemental Environmental Impact Report is being prepared.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on June 19, 2012.

RECOMMENDATION:

THAT THE BOARD APPROVE VARIANCE NO. 11 IN THE AMOUNT OF \$120,760 WITH BLACK & VEATCH FOR THE MICHELSON WATER RECYCLING PLANT BIOSOLIDS HANDLING AND ENERGY RECOVERY FACILITY, PROJECT 20847 (1617).

LIST OF EXHIBITS:

Exhibit “A” – Variance No. 11

IRVINE RANCH WATER DISTRICT

PROFESSIONAL SERVICES VARIANCE REGISTER

Project Title: MWRP Biosolids and Energy Recovery Facilities

Project No.: 20847 (1617) Project Manager: Carl Spangenberg

Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
1	OpenCEL, Egg-Shaped Digesters, P Recovery, Risk Mgmt, HAZOP, Upsize Dryer System to 6,000 kg/hr.	01-13-11	01-31-11	\$783,000
2	Solids Receiving Facility and Upsizing Dryer to 7,000 kg/hr.	01-13-11	01-31-11	\$458,000
3	Additional geotechnical field investigation services and additional geotechnical seismic analysis and recommendations.	03-07-11	03-07-11	\$20,360
4	Prepare and Conduct Presentation to the Board Technology Ad Hoc Committee	03-30-11	04-04-11	\$27,500
5	Conduct Additional 2-Day HAZOP	04-22-11	04-26-11	\$29,800
6	Prepare a Biogas Utilization Validation Study	04-26-11	05-26-11	\$87,500
7	Prepare a Foundation Design Alternatives Study	05-18-11	06-21-11	\$57,610
8	Modify Heat Dryer Size to 6,000 kg/hour	07-22-11	08-23-11	\$83,600
9	Modify Digester Foundation & Conduct Test Pile Program	07-22-11	08-23-11	\$88,560

IRVINE RANCH WATER DISTRICT

PROFESSIONAL SERVICES VARIANCE REGISTER

Project Title: <u>MWRP Biosolids and Energy Recovery Facilities</u>				
Project No.: <u>20847 (1617)</u> Project Manager: <u>Carl Spangenberg</u>				
Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
10	Design Changes to Standby Power, Power Distribution, and Test Pile Program	01-04-12	01-24-12	\$85,500
11	DS3-D Review Workshop Design Modifications, Additional Geotechnical Tasks, and Baker WTP Solids TM	06-08-12	Pending	\$120,760

VARIANCE 11 ATTACHMENT

Design Modification Tasks

Variance Task	Description
1. Separate Control Panels	At the request of IRWD, modify the design to provide separate control panels for equipment to allow for isolation of individual equipment items without affecting similar equipment (i.e., standby pumps, etc). Work effects changes to the P&ID's, Electrical One-Line, Plan Drawings, and Cable and Conduit Schedules, and equipment specifications.
2. Add VFD's on WAS and PS Pump Stations	Based on discussions at the DSS-D workshop, add VFD's to the two WAS and two PS pumps in the sludge feed pump stations. Work includes updating the Electrical One-Line drawings, P&ID's, Cable and Conduit Schedules, Equipment Specifications, HVAC equipment sizing and airflow balancing.
3. Implement Arc Resistant MCC's	At the request of IRWD, modify MCC equipment specifications to provide Arc Resistant gear and revise the plan drawings to adjust the equipment layout and relocate cable trays.
4. Modify Packaged Equipment to Separate out Control Power	At the request of IRWD, update the specifications for packaged equipment (sump pumps, air compressor system) to allow for inclusion of a separate electrical disconnect for power feed to the control power transformer.
5. SCAQMD Air Permit Application Assistance	At the request of IRWD, attend additional meetings with Environ (air permitting consultant), provide review comments for the SCAQMD application, and prepare supporting materials for the application that is beyond the current scope of work.
6. Development of the Green House Gas Emissions Data	At the request of IRWD, prepare additional calculations of green house gas (GHG) emissions for inclusion into the supplemental EIR.
7. Negotiate Sole Source Equipment Items Up Front	At the request of IRWD, negotiate sole source pricing for the following equipment items for inclusion into the contract documents for bidding: (1) egg-shaped digesters, (2) digester gas holder, (3) methane digester mixers, acid digester mixers, (4) grinders, (5) sludge screens, (6) cake receiving bins, (7) digester gas fans, (8) chemical feed pumps, (9) VFD's, (10) MCC's, (11) filling valves, and (12) aeration blowers. Formal manufacturer proposals will be included in the contract documents.
8. Investigate opportunity for Importing food waste with Waste Management	Assist IRWD with investigation of opportunity to import food waste with Waste Management (WM) based on inquiry from WM. Visit a WM processing facility and evaluate digester operating data from the Victor Valley Sanitation District plant where WM is currently sending similar food waste.
9. Contractor Prequalification Review Deduct	IRWD will provide the previous data submitted by contractors for the prequalification process conducted for the Baker WTP to B&V. This reduces the level of effort required by B&V for the biosolids project review of contractor qualifications.
10. Contractor Constructability Review Deduct	Deductive item due to reduced effort for the contractor constructability review. One former contractor participated due to a schedule conflict.
11. Additional Geotechnical Engineering	NMG, the geotechnical subconsultant, is incurring additional engineering costs due to the following impacts: (1) pile redesign effort based on the pile testing program results, (2) pile driving specification modifications to reflect the pile testing program, (3) geotechnical report modifications due to the deeper methane digester foundations, and (4) additional meetings to review the Geotechnical Baseline Report (GBR).
12. Baker WTP Solids Technical Memorandum	Prepare a technical memorandum that identifies the potential impacts of sludge from the Baker WTP on the proposed MWRP Biosolids & Energy Recovery Facilities. The analysis will be based on delivering Baker WTP sludge to the Los Angeles WRP (LAWRP) where it will be treated through the LAWRP treatment process and then mechanically dewatered. The dewatered cake solids from LAWRP (containing LAWRP and Baker sludge) will then be trucked to the MWRP for heat drying.
13. Extend the Project Design Schedule	The project design schedule is being extended for the following reasons: (1) additional review time for IRWD extended the review workshop dates for DSS-B, DSS-C, DSS-D, and Complete DSS, (2) additional time for constructability reviews, (3) additional time for the contractor prequalification process, (4) additional time for electrical QC reviews, and (5) additional time for negotiating manufacturer sole source pricing, terms, and conditions.

Engineering & Management Cost Impact

	Project Director/WP	Project Manager 3	Engineer 7	QC Engineer	Engineer 3	Technician 3 / Administrative	Manhours	Expenses & Subconsultant	Total \$
Hourly Rate	\$300	\$225	\$225	\$205	\$140	\$100			
Variance #11									
1. Separate Control Panels	2	4		6	80	40	132	\$0	\$17,930
2. Add VFD's on WAS and PS Pump Station	2	4	4	4	80	24	118	\$0	\$16,820
3. Implement Arc Resistant MCC's	2	4		8	24	16	54	\$0	\$8,100
4. Modify Packaged Equipment to Separate out Control Panels	2	4	6	8	24	12	58	\$0	\$9,050
5. SCAQMD Air Permitting Application Assistance	12	24	16				52	\$0	\$12,600
6. Development of Green House Gas Emissions Data	4	12	24	8			48	\$0	\$10,940
7. Negotiate Sole Source Equipment Items	8	24	24		32		88	\$1,000	\$18,680
8. Investigate Waste Management Food Waste	4	8	24				34	\$0	\$7,950
9. Contractor Prequalification Deduct	(2)	(4)	(4)		(16)		(26)	\$0	(\$4,640)
10. Contractor Constructability Review Deduct							0	(\$6,000)	(\$6,000)
11. Additional Geotechnical Engineering							0	\$11,500	\$11,500
12. Baker WTP Solids TM	8	24		6	60	8		\$200	\$17,830
13. Extend Project Design Schedule							0	\$0	\$0
Total - Variance 11	40	102	94	40	284	100	558	\$6,700	\$120,760

Schedule Impact

Task Description	Current Schedule	New Schedule
Final Design Complete	5/25/2012	9/6/2012



May 16, 2012

Project No. 10199-01

To: Black and Veatch
15615 Alton Parkway, Suite 300
Irvine, California 92618

Attention: Mr. Dan Buhrmaster

Subject: Request for Variance Related to Geotechnical Service for Proposed Irvine Ranch Water District Biosolids and Energy Recovery Center, Michelson Water Reclamation Plant, City of Irvine, California

As we have discussed recently, NMG Geotechnical, Inc. (NMG) has prepared this request for additional project budget for the subject services. In part, this variance request reflects actual efforts required versus our original proposal and our last budget update (January 2012 variance). The primary areas where we are requesting a variance include the re-design of piles using the indicator pile test results and the coordination of various deliverables such as the final pile design report and the geotechnical baseline report. Summaries of task areas that exceeded prior estimates along with the variance amount for them are as follows:

1. The indicator test pile program confirmed preliminary indications that the site is underlain by a relatively uniform dense soil layer which resulted in substantial reductions in production pile lengths (over 50,000 linear feet). This required re-design of piles for 21 separate structures and substructures. The analysis along with interactions with Black and Veatch (BV) structural engineers was substantially more effort than previously anticipated. Primarily, the relatively large number of unique pile designs (21) contributed to our initial underestimation. **Cost: \$ 7,000**
2. Incorporating and updating the final pile designs as well as the final site plan into our planned report required additional word processing and report preparation time, including revising the 21 pile design tables. NMG also coordinated our report with BV's pile driving specification writing to ensure consistency. We also assisted BV in refining the pile driving specifications. **Cost: \$ 1,000**
3. The cost for the geotechnical baseline report (GBR) was an estimate made prior to knowledge of specific geotechnical site conditions and prior to the addition of the deep excavations for the methane digesters. More effort than previously allotted was required for carefully addressing the site grading issues as well the excavation issues---more graphic illustrations, data analysis and consideration of construction sequences. Updating

geotechnical cross-sections and map to reflect the latest site plan also required additional efforts. **Cost: \$ 2,000**

4. The GBR should be carefully reviewed by both the project owner and the project design engineer (BV) followed by substantive discussions regarding the impacts of the GBR statements on the project bids and how changed condition determinations and/or dispute resolutions during construction might be affected. We anticipate at least one principal level meeting and multiple discussions between NMG, IRWD and BV to refine the GBR and arrive at the final version to be included in the bid and contract documents. Our prior meetings budget will not be sufficient to cover this effort. **Cost: \$ 1,500**

In summary, our total variance request for the above four items is Eleven Thousand Five Hundred Dollars (**\$ 11,500**).

If you have any questions regarding this request, please contact our office. We appreciate the continued opportunity to assist you on a challenging and interesting project.

Respectfully submitted,

NMG GEOTECHNICAL, INC.



Ted Miyake, RCE 44864
Principal Engineer

TM/je

Distribution: (1) Addressee

VARIANCE 11 ATTACHMENT

Baker WTP Solids TM

Black & Veatch is submitting a proposal for engineering services to investigate the potential impacts of introducing Baker WTP solids on the Michelson Water Recycling Plant (MWRP) Biosolids & Energy Recovery Facilities. For this evaluation scenario, the Baker Water Treatment Plant (WTP) solids would be conveyed via interceptor sewer to the Los Alisos WRP (LAWRP), processed through the liquid treatment facilities, and discharged in the sludge holding ponds on site. The Baker WTP solids would therefore be mixed with LAWRP solids in the ponds. The combined solids would then be mechanically dewatered at LAWRP, and delivered via truck to MWRP for batch heat dryer processing. Black & Veatch will prepare a Technical Memorandum to identify potential issues associated with processing the blended solids in the MWRP heat dryer. An outline of the scope of work and deliverable is summarized in Table 1.

Table 1. Scope of Work

TASK NO.	TASK	DESCRIPTION
A	Background Investigation	<p>Review original reports and other documents made available by IRWD.</p> <ul style="list-style-type: none"> • Baker WTP Project Committee Meeting (December 21, 2011) • Baker WTP Design Variance No. 6 (February 23, 2012) • Los Alisos WTP Potential Impact of Solids Diversion from Baker WTP (March 23, 2012) • Residuals Handling Alternatives for the Baker WTP (April 2012) <p>Identify pertinent background information and determine solids productions estimates of the Baker WTP Incorporate findings into Technical Memorandum</p> <p>Contact Andritz to request additional information on the Philadelphia Dryer Operations regarding the blending of WTP solids and Biosolids.</p>
B	Technical Memorandum.	<p>Discuss potential impacts on the MWRP Heat Dryer based upon the following scenario: (1) discharge Baker WTP sludge to LAWRP where it is treated through the LAWRP treatment process and then stored in holding ponds. (2) mechanically dewater the combined LAWRP and Baker WTP solids, and (3) haul the dewatered solids to the MWRP for drying.</p> <p>Specific potential impacts and risks to MWRP Biosolids Facilities to be further discussed include:</p> <ul style="list-style-type: none"> -Pellet Formulation and Stabilization -Pellet Quality, Composition -Increased Drying and Disposal Costs -MWRP Biosolids O&M Costs -MWRP Potential Capital Improvements -Impact to Dryer Equipment Warranty & Guarantee -Impact to Pellet Marketability <p>B&V will submit TM which will be sealed and signed by a professional engineer.</p>
D	Finalize Technical Memorandum	<p>B&V to summarize IRWD comments and B&V responses. Based upon IRWD comments, B&V will finalize the TM</p>

Schedule

The submittal of the draft technical memorandum will be completed in approximately 3 weeks after the notice to proceed and will then be reviewed by IRWD. Upon receipt of comments from IRWD, Black & Veatch can submit the final technical memorandum in one week.

Schedule of Baker WTP Solids Evaluation Tasks A – D

Task Name	Duration	Start	Finish	Weeks							
				Week -2	Week -1	Week 1	Week 2	Week 3	Week 4	Week 5	
Variance No. 11 - VARIANCE 11 - BAKER WTP SLUDGE EVALUATION	21 days	Mon 6/11/12	Mon 7/9/12								
Task A: Background Investigation	0 hrs	Mon 6/11/12	Mon 6/11/12								
Task B: Technical Memorandum	3 wks	Tue 6/12/12	Mon 7/2/12								
Task C: Conduct a Review Meeting	0 days	Mon 7/2/12	Mon 7/2/12								
Task D: Finalize Technical Memorandum	1 wk	Tue 7/3/12	Mon 7/9/12								
Submit Finalized TM	0 days	Mon 7/9/12	Mon 7/9/12								

June 25, 2012

Prepared by: Christopher Smithson

Submitted by: Debby Cherney

Approved by: Paul Cook

ACTION CALENDAR

SETTING CONNECTION FEES AND PROPERTY TAX RATES FOR FY 2012-13

SUMMARY:

At the direction of the Board during the FY 2011-12 Connection Fee and Property Tax rate setting process, staff has been working closely with local stakeholders on a variety of issues related to the District's long-term capital financing plans. The Finance and Personnel Committee was updated on the issues being reviewed and has directed staff to provide further review on some of the historical components influencing the District's previous rate setting decisions as well as to provide some additional analysis on the impacts and benefits of improvement district (ID) consolidation.

Much progress has been made and much more will be required before changes to the existing rate setting practices and ID consolidation can be implemented. Based on the progress made to date and the work that remains to be completed, staff recommends taking an interim step in rate setting for FY 2012-13.

In setting rates for FY 2011-12, staff presented the Board with a matrix of alternatives, which is attached as Exhibit "A" and approved an average connection fee increase of 5% with no changes to property taxes. Exhibit "B" provides a summary of the District's Enterprise Model snapshot at that time, which contemplated a 10% increase in connection fees for FY 2012-13, which the Board agreed to consider at a later time. A second, more streamlined alternatives matrix is included as Exhibit "C" that includes:

- An equivalent increase to the FY 2011-12 Board approved action of \$177 per unit on average (5%);
- An increase of \$353 per unit (10%) that matches the Board-Approved "Reduced in Year One" scenario from Exhibit "A"; and
- An intermediate increase of \$265 per unit (7.5%) for Fiscal Year 2012-13 with no proposed change to existing tax rates.

The Enterprise Model is based on existing assumptions, capital definitions, and one percent property tax allocations, all of which are being reevaluated in the long-term financing plan working group efforts. As a result, while the model contemplates a 10% increase in connection fees, staff recommends that the Board consider adopting the intermediate increase of \$265 per unit for FY 2012-13 and hold the property tax rates as established in FY 2011-12.

A table setting forth the proposed connection fees for all of the IDs is provided on page five of this write-up. The Proposed Changes to the Schedule of Rates and Charges are included as Exhibit "D". Staff recommends that the Board adopt a Resolution approving all the recommended changes.

BACKGROUND:

During the rate setting process for FY 2011-12 the Board directed staff to increase connection fees by 5% and work with the local stakeholders to consider issues that had been identified and to return to the Finance and Personnel Committee at approximately mid-year with an updated recommendation that addressed those issues. The activities and discussions since that time are discussed below.

Issues Identified and Discussion Topics:

Over the course of the last few years, staff has identified several issues of emerging significance as the District approaches build-out. In addition, the Irvine Company (TIC) has raised issues regarding the sustainability and fundamental fairness in the capital funding objectives and the application thereof. In the last two years, the Building Industry Association of Orange County (BIA), Five Point Communities and the NAIOP Commercial Real Estate Development Association (NAIOP) have joined the discussion, expressing similar concerns.

Staff incorporated the issues identified by TIC, the BIA, Five Point and NAIOP into a process by which, in an open working group, the parties could discuss the issues and evaluate potential alternatives and recommendations to be discussed with the Finance and Personnel Committee and ultimately the Board. Since July, this working group has met at least monthly to discuss the issues and potential alternatives and try to reach a working consensus about the viability of and ability to implement those alternatives. To date, the meetings have been very productive and all parties appear to be benefitting from the working collaboration.

Staff and the working group have identified and added a number of discussion topics and additional work that needs to be completed. Among the discussion topics to date are:

1. Whether the 50/50 rule is sustainable as ultimate development approaches and whether a re-measurement or shift in methodology is appropriate;
2. Whether non-bond funded improvement districts, such as IDs 101/210, should be included in the regional capital split and pay a fair share of regional capital costs, and if so, exploring alternate mechanisms for those payments whether through property taxes or a user rate surcharge;
3. Revisiting the capital projects category definitions adopted in 2007 and considering whether the definitions are suitable in the future;
4. Applying potential revisions to capital category definitions to the long-term capital program to identify potential impacts to connection fees and property taxes;
5. Whether the growth in the new capital program as it relates to the addition of various water and wastewater projects has been properly allocated to new capital and funded through connection fees and property taxes;
6. Whether water and wastewater demand projections are inaccurate, resulting in unfair regional capital allocations and/or total costs;

7. Identification of various consolidation scenarios of improvement districts, including combinations of existing improvement districts or changing boundaries, taking into account fund balances, remaining general obligation bond authorization, and impacts to customers and developers;
8. Legal considerations for improvement district consolidation, including Proposition 218 and Proposition 26 concerns; and
9. How the 1% property tax revenues have been historically allocated and should be allocated in the future.

The working group continues to meet on these items and other related concerns. Many of the items build from answers developed in other areas. Two fundamental building blocks are the proposed changes to the capital definitions and the analysis of bringing the non-bond funded IDs into the regional capital split. Those items have been brought to the Committee for discussion and staff was directed to address questions raised from the discussions. Staff has also discussed the a few different frameworks to analyze the benefits of ID consolidation, and is in the process of developing the scope of work for a study to establish such benefits.

Discussion Objectives:

This effort was undertaken with a proposed set of high-level principles:

1. While the District's long-term capital funding strategy has worked well up to this point, some circumstances have changed such that it is now appropriate to revisit elements of the long-term capital funding program.
2. Decisions made in the past regarding long-term capital financing plans are instructive and informative, but may need to be revisited given that the District is nearing build-out and will have a shift in funding sources in the future;
3. Customers, property owners, developers and any other beneficiaries of the District's infrastructure should pay a fair share of the costs for building and maintaining that infrastructure;
4. The District should maintain its 50/50 rule, but may need to consider how it is applied in the future;
5. Accounting for the myriad of improvement districts is becoming increasingly complex. The benefits of this complex accounting is unclear at best and should be simplified;
6. The District should maximize the use of its general obligation bond authorization as it is one of the lowest cost financing tools available to the District;
7. Improvement districts should be fiscally healthy, including having positive fund balances and where possible, general obligation bond authorization to fund its future infrastructure and share of regional capital projects; and
8. To enable future project green-light decisions by not only providing the Board with lifecycle costs, but also by identifying the likely impact of each significant project on rates, charges, fees and taxes.

The direction of this process is far reaching and will significantly influence the methodology used in setting connection and property tax rates annually. All preliminary estimates identify a need to increase connection fees to fund future capital requirements.

The Board action taken in FY 2011-12 called for a 5% increase in year one which was equivalent to \$168 per unit. The scenario chosen from Exhibit “A” required a 10% increase year over year thereafter to meet the Board directed goal of sharing facility costs equally between connection fees or the developer and property taxes or homeowners. Each scenario was based on current Board policies and assumptions on capital, one percent revenue, and other revenue / funding sources. Based on current Board policy and associated assumptions, connection fees modeling would now require 10% increase in FY 2012-13 which is equivalent to a \$353 / unit increase for water and sewer combined and is well-grounded in the Enterprise Model. The direction of the current efforts of the long-term financing plan evaluation may result in significant changes and a great deal of analysis will be necessary before setting connection fees for remaining development. An increase similar to the temporary step taken last year is equivalent to a \$177 / unit (5%) and an increase equivalent to the year two assumption in the chosen scenario is equivalent to a \$353 / unit (10%) for water and sewer combined in FY 2012-13. As a result of the ongoing working group’s efforts, staff recommends that the Board adopt an intermediate increase, further discussed below.

Working Group Comments:

On May 31, 2012, staff met with the long-term financing plan workgroup consisting of representatives from TIC, Five Point and NAIOP. Staff reviewed the Exhibits A and B with that working group. TIC and NAIOP both requested that the change in connection fees be no more than five percent (5%), which is approximately \$88 per unit less than staff’s recommendation. NAIOP also requested that the Board consider a reduced increase for the commercial and industrial properties, bifurcating it from the residential connection fee increase.

Staff Recommendation:

Staff is recommending an average \$265/unit or a 7.5% increase on connections for FY 2012-13 to provide time to continue to work on the long-term financing plan. The current and proposed residential connection fees based on the staff recommendation are detailed below:

Improvement District/ Planning Area	Existing (FY 11-12) Combined Water and Sewer Connection Fee	Recommended (FY 12-13) Combined Water and Sewer Connection Fee
101/210*/All others	\$7,828	\$8,415
113/213	\$6,324	\$6,798
120/121/220/221	\$1,876	\$2,017
130/230	\$3,530	\$3,795
Laguna Altera/Lion Country Safari PA **	\$4,480	\$4,745
135/235	\$5,307	\$5,705
140/240	\$5,087	\$5,469
150/250	\$3,530	\$3,795

256 ***	\$24,500	\$24,500
OPA1 Ridgeline PA ***	\$4,200	\$4,200
Lambert Ranch PA **	\$5,969	\$6,234
160/161/260/261	\$3,530	\$3,795
186/286	\$11,616	\$12,487
<i>* Connection fees in 101/210 vary by density of dwelling units per acre; assumed 5.9 – 10.8 DUs per acre.</i>		
<i>** Laguna Altera and Lambert Ranch Planning Areas have net increases of 5.9 to 4.5% due to the net effect of the 7.5% increase on the 130/230 and 150/250 base rates and their fixed buy-in costs previously approved by the Board.</i>		
<i>*** Orange Park Acres ID 256 and OPA1 Ridgeline Planning areas are Sewer Only. No increases are recommended for these areas in FY 2012-13.</i>		

FISCAL IMPACTS:

The fiscal impacts of changes, if any, to the District’s long-term capital financing plans will be determined through the course of the project.

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 reviewed at the Finance and Personnel Committee on June 5, 2012.

RECOMMENDATION:

THAT THE BOARD APPROVE A 7.5% INCREASE IN CONNECTION FEES AND ADOPT THE FOLLOWING RESOLUTIONS BY TITLE:

RESOLUTION NO 2012-___

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA ADOPTING CHANGES TO CONNECTION FEES AS SET FORTH IN THE SCHEDULE OF RATES AND CHARGES IN EXHIBIT “B” TO THE RULES AND REGULATIONS OF IRVINE RANCH WATER DISTRICT FOR WATER, SEWER, RECYCLED WATER AND NATURAL TREATMENT SYSTEM SERVICE

RESOLUTION NO 2012-____

RESOLUTION OF THE BOARD OF DIRECTORS OF
IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA
ESTABLISHING AD VALOREM TAX REVENUES FOR
FISCAL YEAR 2012/13

LIST OF EXHIBITS:

- Exhibit “A” – Summary of Scenarios for Connection Fees and Property Tax Rates – FY 2011-12
- Exhibit “B” – Scenario Summary Chosen for Setting Rates for FY 2011-12
- Exhibit “C” – Summary of Scenarios for Connection Fees and Property Tax Rates – FY 2012-13
- Exhibit “D” – Proposed changes to the Schedule of Rates and Charges
- Exhibit “E” – Resolution Adopting Changes to Rates and Charges
- Exhibit “F” – Resolution Adopting Ad Valorem Property Tax Rates

Exhibit "A"
Modeling Scenarios

*

	Fiscal Years	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
Several Accelerated Increases	Adjusted Rate	\$3,681	\$4,215	\$4,826	\$5,526	\$5,720	\$5,920
	Increase Amt	\$319	\$534	\$611	\$700	\$193	\$200
	Change %	9.50%	14.50%	14.50%	14.50%	3.50%	3.50%
One Time	Adjusted Rate	\$3,681	\$4,031	\$5,160	\$5,340	\$5,527	\$5,721
	Increase Amt	\$319	\$350	\$1,129	\$181	\$187	\$193
	Change %	9.50%	9.50%	28.00%	3.50%	3.50%	3.50%
Straight Line	Adjusted Rate	\$3,681	\$4,031	\$4,414	\$4,833	\$5,293	\$5,795
	Increase Amt	\$319	\$350	\$383	\$419	\$459	\$503
	Change %	9.50%	9.50%	9.50%	9.50%	9.50%	9.50%
Reduced in Year One	Adjusted Rate	\$3,530	\$3,883	\$4,271	\$4,699	\$5,168	\$5,685
	Increase Amt	\$168	\$353	\$388	\$427	\$470	\$517
	Change %	5.00%	10.00%	10.00%	10.00%	10.00%	10.00%
F & P - Two Year Increase	Adjusted Rate	\$4,102	\$5,004	\$5,179	\$5,360	\$5,548	\$5,742
	Increase Amt	\$740	\$902	\$175	\$181	\$188	\$194
	Change %	22.00%	22.00%	3.50%	3.50%	3.50%	3.50%
F & P - Three Year Increase	Adjusted Rate	\$3,866	\$4,446	\$5,113	\$5,292	\$5,477	\$5,669
	Increase Amt	\$504	\$580	\$667	\$179	\$185	\$192
	Change %	15.00%	15.00%	15.00%	3.50%	3.50%	3.50%
TIC - With ENR Yr 1 Revisit with Long Term Funding Plan	Adjusted Rate	\$3,480	\$4,057	\$4,731	\$5,516	\$5,709	\$5,909
	Increase Amt	\$118	\$578	\$674	\$785	\$193	\$200
	Change %	3.50%	16.60%	16.60%	16.60%	3.50%	3.50%
TIC - With ENR Yr 1 and Small Tax Increase Revisit w/ Long Term Funding Plan	Adjusted Rate	\$3,480	\$4,047	\$4,706	\$5,474	\$5,665	\$5,864
	Increase Amt	\$118	\$567	\$660	\$767	\$192	\$198
	Change %	3.50%	16.30%	16.30%	16.30%	3.50%	3.50%

* Staffs recommended alternatives for FY 2011-12.

Exhibit "B"

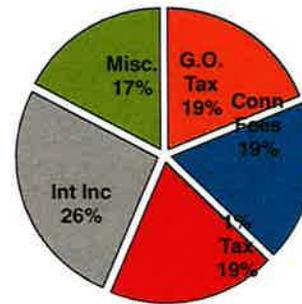
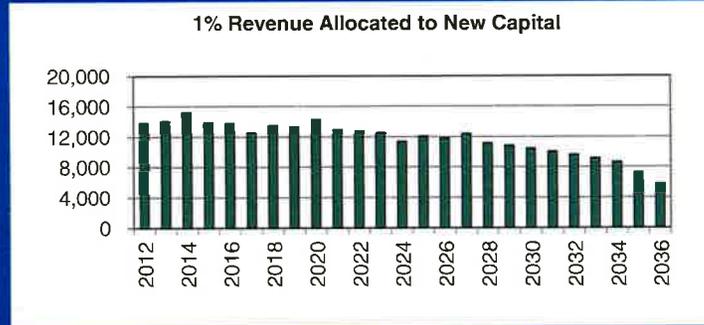
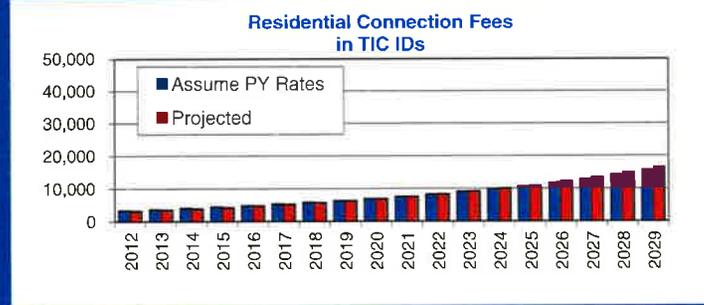
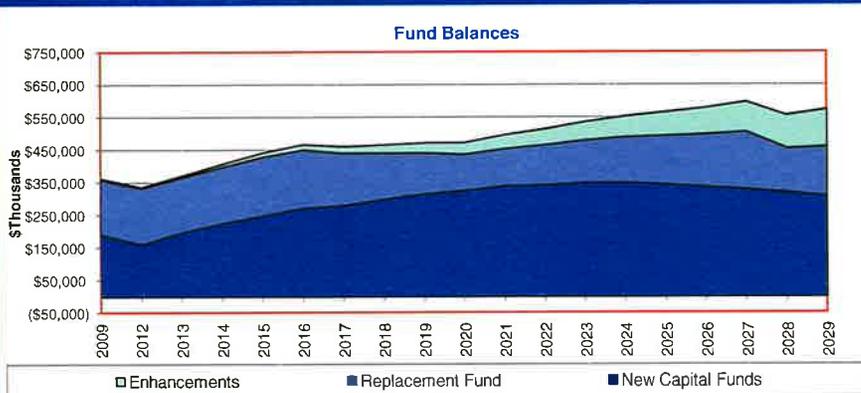
Irvine Ranch Water District
New Capital Funds, Sensitivity Analyses

Straight Line
2012

Use this page's values

Rate Projection for FY 2010-11			
		Current	Proposed
120	Conn. Fees:	\$1,632	\$1,714
	Prop. Tax:	\$0.0301	\$0.0301
130	Conn. Fees:	\$3,070	\$3,224
	Prop. Tax:	\$0.0288	\$0.0288
140	Conn. Fees:	\$4,425	\$4,646
	Prop. Tax:	\$0.0314	\$0.0314
150	Conn. Fees:	\$3,070	\$3,224
	Prop. Tax:	\$0.0558	\$0.0558

113	Conn. Fees:	\$8,500	\$8,925
	Prop. Tax:	\$0.1466	\$0.1466
135	Conn. Fees:	\$4,616	\$4,847
	Prop. Tax:	\$0.0069	\$0.0069
188	Conn. Fees:	\$6,704	\$7,039
	Prop. Tax:	\$0.2254	\$0.2254



Through 2041			
Conn. Fees:	49.5%	Wtr: \$	42,582
Prop. Tax:	50.5%	Swr: \$	(39,110)

Inputs			Change
Connection Fees:	%	\$	
Year 2012	5.0%	\$154	
Year 2013	10.0%	\$322	
Year 2014	10.0%	\$355	
Year 2015	10.0%	\$390	
Year 2016	10.0%	\$429	
Forward	10.1%	\$477	

Change from Conn Fee Inputs in ID 150/250	Fiscal Year	Conn. Fee	Change
	2012	\$3,224	\$154
2013	\$3,546	\$322	
2014	\$3,900	\$355	
2015	\$4,290	\$390	
2016	\$4,720	\$429	
2017	\$5,196	\$477	

Property Taxes:			\$100K of AV /Yr
			<input checked="" type="checkbox"/> Link AV rates
Year 2012	\$0.035	\$35	
Year 2013	\$0.035	\$35	
Year 2014	\$0.035	\$35	
Year 2015	\$0.035	\$35	
Year 2016	\$0.035	\$35	
Forward	\$0.014	\$14	

Home Valued @ \$600,000 with \$350,000 Land Value	Fiscal Year	Tax Rate	Tax
	2012	\$0.035	\$123
2013	\$0.035	\$123	
2014	\$0.035	\$124	
2015	\$0.035	\$124	
2016	\$0.035	\$124	
2017	\$0.014	\$50	

Modeling Scenarios FY 2012-13

	Fiscal Years	2011-12*	2012-13	2013-14	2014-15	2015-16	2016-17
Baseline - Match Prior Year Action	Adjusted Rate	\$3,530	\$3,707	\$4,077	\$4,485	\$4,933	\$5,427
	Increase Amount	\$168	\$177	\$371	\$408	\$448	\$493
	Adj from Baseline		\$0				
	Change %	5.00%	5.00%	10.00%	10.00%	10.00%	10.00%
Split the Increase	Adjusted Rate	\$3,530	\$3,795	\$4,174	\$4,592	\$5,051	\$5,556
	Increase Amount	\$168	\$265	\$379	\$417	\$459	\$505
	Adj from Baseline		\$88				
	Change %	5.00%	7.50%	10.00%	10.00%	10.00%	10.00%
Change Required Year over Year	Adjusted Rate	\$3,530	\$3,883	\$4,271	\$4,699	\$5,168	\$5,685
	Increase Amount	\$168	\$353	\$388	\$427	\$470	\$517
	Adj from Baseline		\$177				
	Change %	5.00%	10.00%	10.00%	10.00%	10.00%	10.00%

* Rate increase Applied in July of FY 2011-12.

Section

3

Developer Services

Water Connection Fees

Residential

	IMPROVEMENT DISTRICT	0-5.8 DU/acre	5.9-10.8 DU/acre	10.9-25.8 DU/acre	25.9-40.0 DU/acre
Connection Fees Per Dwelling Unit	101*	\$3,417	\$3,015 \$2,805.00	\$2,553	\$2,156 \$2,006.00
	113	\$2,473	\$2,473 2,300.00	\$2,473 2,300.00	\$2,473 2,300.00
	102 (120), 121	\$1,181	\$1,181 1,099.00	\$1,181 1,099.00	\$1,181 1,099.00
	103 (130)	\$1,782	\$1,782 1,658.00	\$1,782 1,658.00	\$1,782 1,658.00
Total acreage for any given development shall be gross acres excluding private parks.	140	\$2,121	\$2,121 1,973.00	\$2,121 1,973.00	\$2,121 1,973.00
	105 (150)	\$1,782	\$1,782 1,658.00	\$1,782 1,658.00	\$1,782 1,658.00
	106 (160), 161	\$1,782	\$1,782 1,658.00	\$1,782 1,658.00	\$1,782 1,658.00
	186	\$9,783	\$9,783 9,100.00	\$9,783 9,100.00	\$9,783 9,100.00
	LC/LCS PA	\$2,205	\$2,205 2,081.00	\$2,205 2,081.00	\$2,205 2,081.00
	Lambert Ranch	\$2,867	\$2,867 2,743.00	\$2,867 2,743.00	\$2,867 2,743.00
	Los Alisos 135	\$3,348	\$3,348 3,114.00	\$3,348 3,114.00	\$3,348 3,114.00
	All others*				

Commercial, Industrial and Public Authority – Office Building

	IMPROVEMENT DISTRICT	Commercial	Industrial	Public Authority
Connection Fees Per Gross Acre	101*	\$18,961	\$28,879 26,864.00	\$18,961 \$17,638.00
	113	\$18,064	\$0	\$9,032 8,402.00
	102 (120), 121	\$5,911 5,499.00	\$6,005 5,586.00	\$5,911 5,499.00
	103 (130)	\$3,612 3,360.00	\$3,612 3,360.00	\$3,612 3,360.00
	140	\$10,898	\$0 0.00	\$10,898 10,138.00
	105 (150)	\$9,366 8,713.00	\$13,296 12,368.00	\$9,366 8,713.00
	106 (160), 161	\$9,366 8,713.00	\$13,296 12,368.00	\$9,366 8,713.00
	186	\$19,940	\$19,940 18,549.00	\$19,940 18,549.00
	188	\$31,114	\$31,114 28,943.00	\$31,114 28,943.00
	Los Alisos 135	\$11,246	\$11,246 10,461.00	\$11,246 10,461.00
	All others*			

Parks, Churches and Commercial Recreational Facilities

	IMPROVEMENT DISTRICT	Indoor Water Use	Outdoor ⁽¹⁾ Water Use
Connection Fees Per Fixture Unit	101*	\$59.38 \$55.24	\$208.97 \$194.39
	102 (120), 121	9.799.11	34.6232.20
(1) As calculated per UPC as revised.	103 (130)	7.136.63	21.3919.90
	140	41.1238.25	144.66134.57
	105 (150)	30.0027.01	105.1697.82
	106 (160), 161	31.1528.98	109.19101.57
	186	64.6860.17	227.20211.35
	188	155.51144.66	547.11508.94
	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	Primary Intermediate & Secondary
Connection Fees Per				101*	\$4,679.48	\$6,275.85	\$6,838.00
100 Students Average Daily				102 (120), 121	776.15722.00	1,032.00960.00	35.4833.00
				103 (130)	476.23443.00	640.70596.00	22.5821.00
(2) Minimum required				140	3,236.833,011.00	4,353.754,050.00	139.75130.00
				105 (150)	2,356.402,192.00	3,169.102,948.00	102.1395.00
				106 (160), 161	2,449.932,279.00	3,289.503,060.00	109.65102.00
				186	4,880.504,540.00	6,840.236,363.00	219.30204.00
				188	12,309.8311,451.00	16,472.2315,323.00	525.68489.00
				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 =

$$\frac{[\text{Est. GPD use} - (\text{no. acres} \times \text{use factor}^*)] \times \$993,405/\text{cfs}}{646,320 \text{ gal/day/cfs}}$$

*Non-Residential Water Use Factor	Land Use Category	Water Use Factors (Gal/Acre/Day)
	Commercial	2,000.00
	Industrial	4,000.00
	UCI	Special Contact

Definitions Commercial: Commercial development including retail and offices
Industrial: 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 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"	\$55.00*
5/8" x 3/4"	\$80.00 for individual meters and bypass meters on DDCA
3/4"	\$105.00
1"	\$175.00
1-1/2"	\$290.00
2" Disc	\$710.00
2" Turbo	\$710.00
3" Turbo	\$1,025.00
4" Turbo	\$1,890.00

*(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.
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 forces to do this work is \$2,000.00 and will be collected along with the standard 1" meter cost.

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. Addition of a 1" service \$200.00
2. Addition of a 2" service \$200.00
3. Addition of a 4" or larger service \$500.00
4. Addition or replacement of Fire DDCA \$300.00

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.

Sewer Connection Fees

Residential

		IMPROVEMENT DISTRICT	0-5.8 DU/acre	5.9-10.8 DU/acre	10.9-25.8 DU/acre	25.9-40.0 DU/acre
Connection Fees Per		1 (201)*	<u>\$6,067</u>	<u>\$5,400</u> \$5,023.00	<u>\$4,444</u>	<u>\$3,507</u> \$3,262.00
Dwelling Unit		213	<u>4,327</u>	<u>4,327</u>	<u>4,327</u>	<u>4,327</u> 4,025.00
		2 (220), 221	<u>835</u>	<u>835</u>	<u>835</u>	<u>835</u> 777.00
		2 (230)	<u>2,012</u>	<u>2,012</u>	<u>2,012</u>	<u>2,012</u> 1,872.00
Total acreage for any given		240	<u>3,348</u>	<u>3,348</u>	<u>3,348</u>	<u>3,348</u> 3,114.00
development shall be gross		205 (250)	<u>2,012</u>	<u>2,012</u>	<u>2,012</u>	<u>2,012</u> 1,872.00
acres excluding private		206 (260), 261	<u>2,012</u>	<u>2,012</u>	<u>2,012</u>	<u>2,012</u> 1,872.00
Parks.		256	<u>24,500</u>	<u>24,500</u>	<u>24,500</u>	<u>24,500</u>
		286	<u>2,705</u>	<u>2,705</u>	<u>2,705</u>	<u>2,705</u> 2,516.00
		LC/LCS PA	<u>2,539</u>	<u>2,539</u>	<u>2,539</u>	<u>2,539</u> 3,226.00
		Lambert Ranch	<u>3,366</u>	<u>3,366</u>	<u>3,366</u>	<u>3,366</u> 2,399.00
		Los Alisos 235	<u>2,356</u>	<u>2,356</u>	<u>2,356</u>	<u>2,356</u> 2,192.00
		OPA1 (Ridgeline)	<u>4,200</u>	<u>4,200</u>	<u>4,200</u>	<u>4,200</u> 4,200.00
		All others*				

Commercial, Industrial and Public Authority – Office Building

		IMPROVEMENT DISTRICT	Commercial	Industrial	Public Authority
Connection Fees Per Gross Acre		1 (201)*	<u>\$34,004</u>	<u>\$59,327</u> \$55,188.00	<u>\$34,004</u> \$31,632.00
		213	<u>25,780</u>	-	<u>12,796</u> 11,903.00
		2 (220), 221	<u>6,882</u>	<u>10,393</u>	<u>6,882</u> 6,402.00
		2 (230)	<u>763</u>	<u>763</u>	<u>763</u> 710.00
		240	<u>15,287</u>	-	<u>15,287</u> 14,220.00
		205 (250)	<u>9,175</u>	<u>15,225</u>	<u>9,175</u> 8,535.00
		206 (260), 261	<u>9,175</u>	<u>15,225</u>	<u>9,175</u> 8,535.00
		286	<u>5,624</u>	<u>5,624</u>	<u>5,624</u> 5,232.00
		288	<u>5,624</u>	<u>5,624</u>	<u>5,624</u> 5,232.00
		Los Alisos 235	<u>8,611</u>	<u>8,611</u>	<u>8,611</u> 8,010.00
		All others*			

Parks, Churches and Commercial Recreational Facilities

		IMPROVEMENT DISTRICT	Fee
Connection Fees Per Fixture Unit		1 (201)*	<u>\$376.22</u> \$349.97
		2 (220), 221	<u>108.52</u> 100.95
		2 (230)	<u>26.11</u> 24.29
		240	<u>227.43</u> 211.56
		205 (250)	<u>143.80</u> 133.77
		206 (260), 261	<u>138.84</u> 129.15
		286	<u>61.30</u> 57.02
		288	<u>61.30</u> 57.02
		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)*	\$17,827	\$23,773 \$22,114.00
100 Students Average Daily Attendance	2 (220), 221	5,099	6,792 6,318.00
	2 (230)	2,004	2,756 2,564.00
	240	10,749	14,334
	205 (250)	6,756	9,009 8,380.00
	206 (260), 261	6,636	8,848 8,231.00
	286	2,951	3,932 3,658.00
	288	2,951	3,932 3,658.00
	All Others*		

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

Former OCSD Irvine Business Complex – Non-Residential

	Commercial/Industrial		
	(1) Low Demand	(2) Average Demand	(3) High Demand
Connection Fees Per 1,000 Square Feet	\$234 \$218.00	\$1,446 \$1,345.00	\$3,427 \$3,188.00

- (1) Low Demand connections are the following categories of users: Nurseries, Warehouses, Parking Structures, RV Storage, Churches, Truck Terminals, RV Parks, Lumber/Construction Yards, and other discharge whose flow is similar in volume to these listed categories.
- (2) Average Demand connections other than listed in Low or High Demand categories.
- (3) High Demand connections are the following categories of users: Restaurants, Supermarkets, Car Washes, Coin Laundries, Amusement Parks, Shopping Centers with Restaurants, Food Processing Facilities, Textile Manufacturers, and other discharges whose flow is similar in volume to these listed categories.

High Volume User – Commercial and Industrial

This section shall apply to all non-residential applicants for 2" and larger meters in addition to standard connection fees in all improvement districts.

Connection Fee Formula Additional High Volume Sewer User Connection Fee =

* Sewer GPD = 90% of water GPD $[\text{Est. GPD use} * - (\text{no. acres} \times \text{use factor}^{**})] \times \$14,4415.52/\text{Gal. of Sewer Flow}$

**Non-Residential Sewage Flow Generators (Use Factors)	Land Use Category	Average Flows
	Commercial	1,300.00
	Industrial	2,600.00
	UCI	Special Contract

Definitions
Commercial: Commercial development including retail and offices
Industrial: Industrial development including manufacturing, research and development and distributorships

EXHIBIT "E"

RESOLUTION NO. 2012-

**RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE
RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA
ADOPTING CHANGES TO CONNECTION FEES AS SET FORTH IN
THE SCHEDULE OF RATES AND CHARGES
IN EXHIBIT "B" TO THE RULES AND
REGULATIONS OF IRVINE RANCH WATER DISTRICT
FOR WATER, SEWER, RECYCLED WATER, AND NATURAL
TREATMENT SYSTEM 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, Section 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 such authority to prescribe and collect rates or other charges for water and sewer service includes connection fees for connection and service capacity; 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 XIIB 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 connection fees, consistent with applicable constitutional and statutory requirements; and

WHEREAS, the proposed revisions to the connection fees, as set forth in Exhibit “A” to this resolution, do not modify or establish any property-related fees or charges subject to the notice and hearing procedures of Article XIID of the Constitution of the State of California; and

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

Section 1. 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 2. It is hereby found and determined that relative to Article XIII B of the Constitution of the State of California, the charges or fees or 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. It is hereby further found and determined that relative to the requirements of Sections 66013 and 66016 of the Government Code of the State of California, the availability of such documentation also satisfies the requirement to make publicly available the data indicating the estimated cost and revenue sources to provide the service for which the fee is imposed at least 10 days prior to the meeting at which this resolution is adopted, and that the connection fees established or increased hereby do not exceed the estimated reasonable cost of providing the service for which they are imposed.

Section 3. The new and/or revised connection fees 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 Rules and Regulations Exhibit “B” currently in effect, are hereby superseded. Staff is directed to incorporate the hereby adopted new and/or revised connection fee(s) into Exhibit “B” to the Rules and Regulations.

Section 4. That the provisions of this Resolution shall be effective upon adoption.

Section 5. 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 25th day of June, 2012.

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

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

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

By: _____

EXHIBIT "F"

RESOLUTION NO. 2012-
RESOLUTION OF THE BOARD OF DIRECTORS OF
IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA
ESTABLISHING AD VALOREM TAX REVENUES FOR
FISCAL YEAR 2012/13

WHEREAS, the Board of Directors of the Irvine Ranch Water District (IRWD) has duly considered the financial needs of the IRWD and its Improvement District Nos. 102, 105, 106, 112, 113, 121, 130, 140, 161, 182, 184, 186, 188, 135,1, 2, 206, 212, 213, 221, 230, 235, 240, 250, 252, 261, 282, 284, 286, and 288, for the fiscal year 2012-13 and the funds available and established to become available for meeting said financial needs; and

WHEREAS, pursuant to Section 37206 of the Water Code of the State of California, the Board of Directors annually shall furnish to the Board of Supervisors of Orange County and to the County Auditor, an estimate in writing of the amount of money needed to be raised by the District during the fiscal year for the payment of its proportion of the amount required for the purposes of the District; and

WHEREAS, Article XIII B of the Constitution of the State of California provides that the appropriations of local agencies will be limited each year to those of the previous year with specified adjustments permitted; and

WHEREAS, Section 9(a) of Article XIII B specifically excludes appropriations required to pay the cost of interest and redemption charges, including the funding of any reserve or sinking fund required in connection therewith, on indebtedness existing or legally authorized as of January 1, 1979, or on bonded indebtedness thereafter approved according to law by a vote of electors; and

WHEREAS, the ad valorem tax revenues established by IRWD are used entirely for debt service and are therefore exempt from the appropriations formula established by Article XIII B.

WHEREAS, the ad valorem tax revenues received by IRWD pursuant to this Resolution will provide a portion of the funds needed to pay principal and interest with respect to the General Obligation Bonds referenced below, and this Board wishes to specify the sources of the remainder of the amounts needed therefor in the current year.

NOW, THEREFORE, the Board of Directors of IRWD does hereby RESOLVE, DETERMINE, AND ORDER as follows:

Section 1. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 130 of IRWD for fiscal year 2012-13 is .00680 percent (.0000680) of full value.

Section 2. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 105 of IRWD for fiscal year 2012-13 is .01980 percent (.0001980) of full value.

Section 3. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 121 of IRWD for fiscal year 2012-13 is .01311 percent (.0001311) of full value.

Section 4. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 140 of IRWD for fiscal year 2012-13 is .01000 percent (.0001000) of full value.

Section 5. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 161 of IRWD for fiscal year 2012-13 is .01758 percent (.0001758) of full value.

Section 6. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 182 of IRWD for fiscal year 2012-13 is .02700 percent (.0002700) of full value.

Section 7. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 184 of IRWD for fiscal year 2012-13 is .01350 percent (.0001350) of full value.

Section 8. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 230 of IRWD for fiscal year 2012-13 is .02200 percent (.0002200) of full value.

Section 9. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 221 of IRWD for fiscal year 2012-13 is .01700 percent (.0001700) of full value.

Section 10. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 240 of IRWD for fiscal year 2012-13 is .02140 percent (.0002140) of full value.

Section 11. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 250 of IRWD for fiscal year 2012-13 is .03600 percent (.0003600) of full value.

Section 12. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 261 of IRWD for fiscal year 2012-13 is .02830 percent (.0002830) of full value.

Section 13. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 282 of IRWD for fiscal year 2012-13 is .01890 percent (.0001890) of full value.

Section 14. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 284 of IRWD for fiscal year 2012-13 is .03239 percent (.0003239) of full value.

Section 15: That the tax be levied for servicing the General Obligation Bonds of Improvement District No. 135 of IRWD for fiscal year 2012-13 is .00421 percent (.0000421) of full value.

Section 16. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 235 of IRWD for fiscal year 2012-13 is .00266 percent (.0000266) of full value.

Section 17. That the tax to be levied for servicing Improvement District No. 252's just proportion of liability determined pursuant to Resolution No. 2005-41, for the General Obligation Bonds of Improvement District No. 250 of IRWD for fiscal year 2012-13 is .00001 percent (.0000001) of full value.

Section 18. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 186 of IRWD for fiscal year 2012-13 is .04787 percent (.0004787) of full value.

Section 19. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 188 of IRWD for fiscal year 2012-13 is .21540 percent (.0021540) of full value.

Section 20. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 286 of IRWD for fiscal year 2012-13 is .00201 percent (.0000201) of full value.

Section 21. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 288 of IRWD for fiscal year 2012-13 is .01000 percent (.0001000) of full value.

Section 22. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 113 of IRWD for fiscal year 2012-13 is .05940 percent (.0005940) of full value.

Section 23. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 213 of IRWD for fiscal year 2012-13 is .08720 percent (.0008720) of full value.

Section 24. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 112 of IRWD for fiscal year 2012-13 is .03168 percent (.00031680) of full value.

Section 25. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 212 of IRWD for fiscal year 2012-13 is .07452 percent (.0007452) of full value.

Section 26. The taxes levied by Section 1 through 17 of this Resolution are for bonds approved before January 1, 1989. The taxes levied by Section 18 through 25 are for bonds approved after January 1, 1989.

Section 27. That the Secretary and Treasurer of the District are hereby directed to furnish a certified copy of this resolution to the Auditor of the County of Orange.

Section 28. That the ad valorem tax revenues established by IRWD hereby for the fiscal year 2012-13 are in compliance with the provisions of Article XIII B of the constitution of the State of California.

Section 29. That principal and interest with respect to the General Obligation Bonds of IRWD shall be paid from (1) the ad valorem assessments received by IRWD pursuant to this Resolution; (2) any amounts held in bona fide debt service funds; (3) other monies, if any, required to be applied to the payment of debt service by the applicable indenture or resolution of issuance; (4) tax revenues applied pursuant to Resolution Nos. 1992-48 and 2002-10 (pledge of the 1% levy), as such application may be modified by resolution amending the allocation of tax revenues; and (5) to the extent additional amounts are necessary for such purpose, revenues which are received by IRWD within twelve months of being applied to the payment of debt service and which are legally available therefor, including income from the investment of such revenues where both the investment income and the revenues on which it is earned are received by IRWD within twelve months of being applied to the payment of debt service.

ADOPTED, SIGNED and APPROVED this 25th day of June, 2012.

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

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

APPROVED AS TO FORM:
BOWIE, ARNESON, WILES AND GIANNONE

Legal Counsel

June 25, 2012

Prepared by: A. Kalinsky

Submitted by: L. Oldewage/D. Pedersen *D.O.P.*

Approved by: Paul Cook *P. Cook*

ACTION CALENDAR

WATER QUALITY FISCAL YEAR 2012-13 EXPENDITURE AUTHORIZATIONS

SUMMARY:

Staff recommends that the Board approve Expenditure Authorizations for the following annual Water Quality projects that were approved in the Fiscal Year (FY) 2012-13 Capital Budget:

- Project 11638 (3721) Water Quality Planning Reserves – Domestic in the amount of \$107,300, and
- Project 30375 (3730) Water Quality Planning Reserves – Irrigation in the amount of \$93,500.

BACKGROUND:

Water Quality Planning Reserves Projects 11638 (3721) and 30375 (3730) are included in the approved FY 2012-13 Capital Budget for various small water quality-related studies for the domestic and recycled water systems as summarized in the table provided as Exhibit “A”. The Expenditure Authorization for Water Quality Planning Reserves Project 21114 (3726), which is for water quality-related studies associated with the wastewater system, can be approved under the General Manager’s authority.

FISCAL IMPACTS:

Projects 11638 (3721) and 30375 (3730) are included in the approved FY 2012-13 Capital Budget. The Expenditure Authorizations are provided as Exhibit “B”. The projects are funded based on regional improvement district allocations.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
11638 (3721)	\$107,300	\$ -0-	\$107,300	\$ -0-	\$107,300	\$107,300
30375 (3730)	\$ 93,500	\$ -0-	\$ 93,500	\$ -0-	\$ 93,500	\$ 93,500
Total	\$200,800	\$ -0-	\$200,800	\$ -0-	\$200,800	\$200,800

ENVIRONMENTAL COMPLIANCE:

This item is not a project as defined by the California Environmental Quality Act (CEQA) pursuant to the California Code of Regulations, Title 14, Chapter 3, Section 15378.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on June 19, 2012.

RECOMMENDATION:

THAT THE BOARD APPROVE EXPENDITURE AUTHORIZATIONS FOR PROJECT 11638 (3721) FOR \$107,300 AND PROJECT 30375 (3730) FOR \$93,500.

LIST OF EXHIBITS:

Exhibit "A" – Water Quality Planning Reserve Project List – FY 2012-13

Exhibit "B" – Expenditure Authorizations

IRVINE RANCH WATER DISTRICT
Expenditure Authorization

EXHIBIT "B"

Project Name: WQ PLANNING RESERVES 12/13 - DOMESTIC
EPMS Project No: 11638 **EA No:** 1
Oracle Project No: 3721
Project Manager: PEDERSEN, DAVID
Project Engineer: KALINSKY, ARSENY
Request Date: June 4, 2012

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

Improvement District (ID) Allocations

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**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$107,300
Total EA Requests:	\$107,300
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$107,300
Updated Budget:	\$107,300
Budget Remaining After This EA	\$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	7,500	0	7,500	7,500	0	7,500	6/12	7/13
ENGINEERING - PLANNING OUTSIDE	87,000	0	87,000	87,000	0	87,000	6/12	7/13
WATER QUALITY	3,000	0	3,000	3,000	0	3,000	6/12	7/13
Contingency - 10.00% Subtotal	\$9,800	\$0	\$9,800	\$9,800	\$0	\$9,800		
Subtotal (Direct Costs)	\$107,300	\$0	\$107,300	\$107,300	\$0	\$107,300		
Estimated G/A - 180.00% of direct labor*	\$18,900	\$0	\$18,900	\$18,900	\$0	\$18,900		
Total	\$126,200	\$0	\$126,200	\$126,200	\$0	\$126,200		
Direct Labor	\$10,500	\$0	\$10,500	\$10,500	\$0	\$10,500		

*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: _____

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 \$129,000. 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: WQ PLANNING RESERVES 12/13 - RECYCLED
 EPMS Project No: 30375 EA No: 1
 Oracle Project No: 3730
 Project Manager: PEDERSEN, DAVID
 Project Engineer: KALINSKY, ARSENY
 Request Date: June 4, 2012

ID Split: Reclaimed Water Conversion w/ LAWD (11/08)

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	50.0	REPLACEMENT FUND**
211	1.0	CAPITAL FUND
212	7.8	BONDS YET TO BE SOLD**
213	2.8	BONDS YET TO BE SOLD**
221	7.3	BONDS YET TO BE SOLD**
230	6.5	BONDS YET TO BE SOLD**
235	3.2	PREVIOUSLY SOLD BONDS
240	3.8	BONDS YET TO BE SOLD**
250	12.8	BONDS YET TO BE SOLD**
261	4.8	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$93,500
Total EA Requests:	\$93,500
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$93,500
Updated Budget:	\$93,500
Budget Remaining After This EA	\$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	3,000	0	3,000	3,000	0	3,000	6/12	7/13
ENGINEERING - PLANNING OUTSIDE	80,000	0	80,000	80,000	0	80,000	6/12	7/13
WATER QUALITY	2,000	0	2,000	2,000	0	2,000	6/12	7/13
Contingency - 10.00% Subtotal	\$8,500	\$0	\$8,500	\$8,500	\$0	\$8,500		
Subtotal (Direct Costs)	\$93,500	\$0	\$93,500	\$93,500	\$0	\$93,500		
Estimated G/A - 180.00% of direct labor*	\$9,000	\$0	\$9,000	\$9,000	\$0	\$9,000		
Total	\$102,500	\$0	\$102,500	\$102,500	\$0	\$102,500		
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: _____

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 \$105,000. 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 25, 2012

Prepared by: A.T. Kilani

Submitted by: D. Pedersen *D.P.*

Approved by: Paul Cook *P. Cook*

ACTION CALENDAR

WATER OPERATIONS FISCAL YEAR 2012-13 EXPENDITURE AUTHORIZATIONS

SUMMARY:

Staff recommends the Board approve Expenditure Authorizations for the following annual Water Operations projects that were approved in the Fiscal Year (FY) 2012-13 Capital Budget:

- Project 10389 (1195) for \$405,700 for the DATS and Well 77 Lease;
- Project 11493 (1496) for \$293,700 for Residential 5/8" by 3/4" and 3/4" Meter Replacements;
- Project 11489 (1486) for \$650,100, Project 31489 (1304) for \$206,800 and Project 21088 (1627) for \$200,200 for the Service Line, Valve and Main Replacements;
- Project 11488 (1674) for \$203,500 for CSR Meter Replacements;
- Project 11486 (1656) for \$170,500 and Project 31486 (1268) for \$170,500 for Raise System Valves;
- Project 11487 (1667) for \$91,700 and Project 31487 (1276) for \$120,500 for the 1" and 2" Meter Replacements; and
- Project 11485 (1646) for \$135,300 for the General System Modifications.

BACKGROUND:

The following annual Water Operations projects are included in the approved FY 2012-13 Capital Budget:

DATS and Well 77 Lease:

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:

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 5,600 meters are planned for replacement during FY 2012-13.

Service Line, Valve and Main Replacements:

The project consists of replacing damaged or broken water service lines, valves and mains in both the domestic and recycled water systems and sewer lines and mains during FY 2012-13. An average of 200 service lines and 100 valves are replaced annually.

CSR Meter Replacements:

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 scratched or cloudy register glasses.

Raise System Valves:

The project consists of raising system valve cans and boxes to grade following roadway paving projects that are completed throughout FY 2012-13.

1" and 2" Meter Replacements:

The project consists of replacing 1" meters on an 17-year cycle and 1½" and 2" meters on a 15-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.

General System Modifications:

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

FISCAL IMPACTS:

Projects 10389 (1195), 11493 (1496), 11489 (1486), 31489 (1304), 21088 (1627), 11488 (1674), 11486 (1656), 31486 (1268), 11487 (1667) 31487 (1276) and 11485 (1646) are included in the approved FY 2012-13 Capital Budget. The Expenditure Authorizations are provided as Exhibit "A". Project 10389 (1195) is funded based on regional improvement district allocations, and Projects 11493 (1496), 11489 (1486), 31489 (1304), 21088 (1627), 11488 (1674), 11486 (1656), 31486 (1268), 11487 (1667) and 11485 (1646) will be funded by the replacement fund.

Action Calendar: Water Operations Fiscal Year 2012-13 Expenditure Authorizations

June 25, 2012

Page 3

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
10389 (1195)	\$ 405,700	\$0	\$ 405,700	\$0	\$ 405,700	\$ 405,700
11493 (1496)	\$ 294,100	\$0	\$ 294,100	\$0	\$ 293,700	\$ 293,700
11489 (1486)	\$ 650,100	\$0	\$ 650,100	\$0	\$ 650,100	\$ 650,100
31489 (1304)	\$ 206,800	\$0	\$ 206,800	\$0	\$ 206,800	\$ 206,800
21088 (1627)	\$ 200,200	\$0	\$ 200,200	\$0	\$ 200,200	\$ 200,200
11488 (1674)	\$ 203,500	\$0	\$ 203,500	\$0	\$ 203,500	\$ 203,500
11486 (1656)	\$ 170,500	\$0	\$ 170,500	\$0	\$ 170,500	\$ 170,500
31486 (1268)	\$ 170,500	\$0	\$ 170,500	\$0	\$ 170,500	\$ 170,500
11487 (1667)	\$ 91,700	\$0	\$ 91,700	\$0	\$ 91,700	\$ 91,700
31487 (1276)	\$ 120,500	\$0	\$ 120,500	\$0	\$ 120,500	\$ 120,500
11485 (1646)	\$ 135,300	\$0	\$ 135,300	\$0	\$ 135,300	\$ 135,300
TOTAL	\$2,648,900	\$0	\$2,648,900	\$0	\$2,648,500	\$2,648,500

ENVIRONMENTAL COMPLIANCE:

Project 10389 (1195) is a ministerial project and not subject to the California Environmental Quality Act (CEQA) pursuant to Section 21080 of the Public Resources Code.

Projects 11493 (1496), 11489 (1486), 31489 (1304), 21088 (1627), 11488 (1674), 11486 (1656), 31486 (1268), 11487 (1667), 31487 (1276) and 11485 (1646) are categorically exempt from CEQA pursuant to the California Code of Regulations, Title 14, Chapter 3, Sections 15301 and 15302.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on June 19, 2012.

RECOMMENDATION:

THAT THE BOARD APPROVE EXPENDITURE AUTHORIZATIONS FOR PROJECT 10389 (1195) FOR \$405,700; PROJECT 11493 (1496) FOR \$293,700; PROJECT 11489 (1486) FOR \$650,100; PROJECT 31489 (1304) FOR \$206,800; PROJECT 21088 (1627) FOR \$200,200; PROJECT 11488 (1674) FOR \$203,500; PROJECT 11486 (1656) FOR \$170,500; PROJECT 31486 (1268) FOR \$170,500; PROJECT 11487 (1667) FOR \$91,700, PROJECT 31487 (1276) FOR \$120,500 AND PROJECT 11485 (1646) FOR \$135,300.

LIST OF EXHIBITS:

Exhibit "A" – Expenditure Authorizations

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: DATS & WELL 77 LEASE PAYMENT 12/13
 EPMS Project No: 10389 EA No: 1
 Oracle Project No: 1195
 Project Manager: PEDERSEN, DAVID
 Project Engineer: PEDERSEN, DAVID
 Request Date: June 5, 2012

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**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$405,700
Total EA Requests:	\$405,700
Previously Approved Budget:	\$405,700
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$405,700
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	155,700	0	155,700	155,700	0	155,700	6/12	6/12
LAND	250,000	0	250,000	(155,700)	405,700	250,000	7/12	6/13
Contingency - % Subtotal	\$0	\$0	\$0	\$0	\$0	\$0		
Subtotal (Direct Costs)	\$405,700	\$0	\$405,700	\$0	\$405,700	\$405,700		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$405,700	\$0	\$405,700	\$0	\$405,700	\$405,700		
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: David W. Pedersen 06/06/12
 Department Director: David W. Pedersen 06/06/12
 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 \$414,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. IRWD has no 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 12/13
EPMS Project No: 11493 **EA No:** 1
Oracle Project No: 1496
Project Manager: KILANI, ABDEL
Project Engineer: KILANI, ABDEL
Request Date: June 5, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
101	100.0	REPLACEMENT FUND**
Total	100.0%	

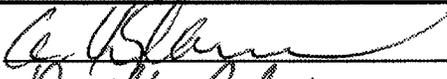
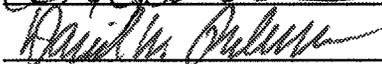
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$293,700
Total EA Requests:	\$293,700
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$294,100
Updated Budget:	\$294,100
Budget Remaining After This EA	\$400

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	13,000	0	13,000	13,000	0	13,000	7/12	6/13
CONSTRUCTION	254,000	0	254,000	254,400	0	254,400	7/12	6/13
Contingency - 10.00% Subtotal	\$26,700	\$0	\$26,700	\$26,700	\$0	\$26,700		
Subtotal (Direct Costs)	\$293,700	\$0	\$293,700	\$294,100	\$0	\$294,100		
Estimated G/A - 180.00% of direct labor*	\$23,400	\$0	\$23,400	\$23,400	\$0	\$23,400		
Total	\$317,100	\$0	\$317,100	\$317,500	\$0	\$317,500		
Direct Labor	\$13,000	\$0	\$13,000	\$13,000	\$0	\$13,000		

*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:  6/6/12
Department Director:  06/06/12
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 \$324,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference 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 12/13
EPMS Project No: 11489 **EA No:** 1
Oracle Project No: 1486
Project Manager: KILANI, ABDEL
Project Engineer: KILANI, ABDEL
Request Date: June 5, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
101	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$650,100
Total EA Requests:	\$650,100
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$650,100
Updated Budget:	\$650,100
Budget Remaining After This EA	\$0

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	7/12	6/13
CONSTRUCTION	581,000	0	581,000	581,000	0	581,000	7/12	6/13
Contingency - 10.00% Subtotal	\$59,100	\$0	\$59,100	\$59,100	\$0	\$59,100		
Subtotal (Direct Costs)	\$650,100	\$0	\$650,100	\$650,100	\$0	\$650,100		
Estimated G/A - 180.00% of direct labor*	\$18,000	\$0	\$18,000	\$18,000	\$0	\$18,000		
Total	\$668,100	\$0	\$668,100	\$668,100	\$0	\$668,100		
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:

Abdel Kilani

6/6/12

Department Director:

David W. Puffer

06/06/12

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 \$682,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. The 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 12/13
 EPMS Project No: 31489 EA No: 1
 Oracle Project No: 1304
 Project Manager: KILANI, ABDEL
 Project Engineer: KILANI, ABDEL
 Request Date: June 5, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$206,800
Total EA Requests:	\$206,800
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$206,800
Updated Budget:	\$206,800
Budget Remaining After This EA	\$0

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	7/12	6/13
CONSTRUCTION	178,000	0	178,000	178,000	0	178,000	7/12	6/13
Contingency - 10.00% Subtotal	\$18,800	\$0	\$18,800	\$18,800	\$0	\$18,800		
Subtotal (Direct Costs)	\$206,800	\$0	\$206,800	\$206,800	\$0	\$206,800		
Estimated G/A - 180.00% of direct labor*	\$18,000	\$0	\$18,000	\$18,000	\$0	\$18,000		
Total	\$224,800	\$0	\$224,800	\$224,800	\$0	\$224,800		
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]

6/6/12

Department Director:

[Signature]

06/06/12

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 \$230,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference 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 & MAIN REPLACEMENT 12/13
 EPMS Project No: 21088 EA No: 1
 Oracle Project No: 1627
 Project Manager: KILANI, ABDEL
 Project Engineer: KILANI, ABDEL
 Request Date: June 5, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

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

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	7/12	6/13
CONSTRUCTION	172,000	0	172,000	172,000	0	172,000	7/12	6/13
Contingency - 10.00% Subtotal	\$18,200	\$0	\$18,200	\$18,200	\$0	\$18,200		
Subtotal (Direct Costs)	\$200,200	\$0	\$200,200	\$200,200	\$0	\$200,200		
Estimated G/A - 180.00% of direct labor*	\$18,000	\$0	\$18,000	\$18,000	\$0	\$18,000		
Total	\$218,200	\$0	\$218,200	\$218,200	\$0	\$218,200		
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]

6/6/12

Department Director:

[Signature]

06/06/12

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 \$223,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. It is the 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 12/13
 EPMS Project No: 11488 EA No: 1
 Oracle Project No: 1674
 Project Manager: KILANI, ABDEL
 Project Engineer: KILANI, ABDEL
 Request Date: June 5, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
Total	100.0%	

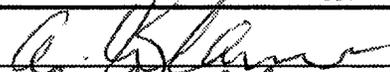
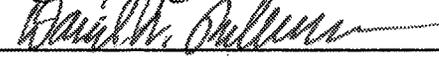
Summary of Direct Cost Authorizations

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

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	7/12	6/13
CONSTRUCTION	180,000	0	180,000	180,000	0	180,000	7/12	6/13
Contingency - 10.00% Subtotal	\$18,500	\$0	\$18,500	\$18,500	\$0	\$18,500		
Subtotal (Direct Costs)	\$203,500	\$0	\$203,500	\$203,500	\$0	\$203,500		
Estimated G/A - 180.00% of direct labor*	\$9,000	\$0	\$9,000	\$9,000	\$0	\$9,000		
Total	\$212,500	\$0	\$212,500	\$212,500	\$0	\$212,500		
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:  6/6/12
 Department Director:  6/6/12
 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 \$217,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated into this authorization. IRWD has no 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: RAISE SYSTEM VALVES 12/13
 EPMS Project No: 11486 EA No: 1
 Oracle Project No: 1656
 Project Manager: KILANI, ABDEL
 Project Engineer: KILANI, ABDEL
 Request Date: June 5, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
101	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$170,500
Total EA Requests:	\$170,500
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$170,500
Updated Budget:	\$170,500
Budget Remaining After This EA	\$0

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	7/12	6/13
CONSTRUCTION	150,000	0	150,000	150,000	0	150,000	7/12	6/13
Contingency - 10.00% Subtotal	\$15,500	\$0	\$15,500	\$15,500	\$0	\$15,500		
Subtotal (Direct Costs)	\$170,500	\$0	\$170,500	\$170,500	\$0	\$170,500		
Estimated G/A - 180.00% of direct labor*	\$9,000	\$0	\$9,000	\$9,000	\$0	\$9,000		
Total	\$179,500	\$0	\$179,500	\$179,500	\$0	\$179,500		
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]

6/6/12

Department Director:

[Signature]

06/06/12

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 \$184,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference 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: RAISE SYSTEM VALVES 12/13
 EPMS Project No: 31486 EA No: 1
 Oracle Project No: 1268
 Project Manager: KILANI, ABDEL
 Project Engineer: KILANI, ABDEL
 Request Date: June 5, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$170,500
Total EA Requests:	\$170,500
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$170,500
Updated Budget:	\$170,500
Budget Remaining After This EA	\$0

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	7/12	6/13
CONSTRUCTION	150,000	0	150,000	150,000	0	150,000	7/12	6/13
Contingency - 10.00% Subtotal	\$15,500	\$0	\$15,500	\$15,500	\$0	\$15,500		
Subtotal (Direct Costs)	\$170,500	\$0	\$170,500	\$170,500	\$0	\$170,500		
Estimated G/A - 180.00% of direct labor*	\$9,000	\$0	\$9,000	\$9,000	\$0	\$9,000		
Total	\$179,500	\$0	\$179,500	\$179,500	\$0	\$179,500		
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: _____

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 \$184,000. The above-captioned project is described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. IRWD hereby certifies that the project is made under Treasury Regulation Section 1.150-2. IRWD hereby certifies that the project is intended to reimburse costs of the above-captioned

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: 1" TO 2" METER REPLACEMENT 12/13
 EPMS Project No: 11487 EA No: 1
 Oracle Project No: 1667
 Project Manager: KILANI, ABDEL
 Project Engineer: KILANI, ABDEL
 Request Date: June 5, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
101	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$91,700
Total EA Requests:	\$91,700
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$91,700
Updated Budget:	\$91,700
Budget Remaining After This EA	\$0

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	7/12	6/13
CONSTRUCTION	70,000	0	70,000	70,000	0	70,000	7/12	6/13
Contingency - 10.00% Subtotal	\$8,300	\$0	\$8,300	\$8,300	\$0	\$8,300		
Subtotal (Direct Costs)	\$91,700	\$0	\$91,700	\$91,700	\$0	\$91,700		
Estimated G/A - 180.00% of direct labor*	\$24,100	\$0	\$24,100	\$24,100	\$0	\$24,100		
Total	\$115,800	\$0	\$115,800	\$115,800	\$0	\$115,800		
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: *A. Blay* 6/6/12
 Department Director: *David H. Pullum* 06/06/12
 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 \$119,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. IRWD has no financial 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 12/13
 EPMS Project No: 31487 EA No: 1
 Oracle Project No: 1276
 Project Manager: KILANI, ABDEL
 Project Engineer: KILANI, ABDEL
 Request Date: June 5, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
210	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$120,500
Total EA Requests:	\$120,500
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$120,500
Updated Budget:	\$120,500
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	7,500	0	7,500	7,500	0	7,500	7/12	6/13
CONSTRUCTION	102,000	0	102,000	102,000	0	102,000	7/12	6/13
Contingency - 10.00% Subtotal	\$11,000	\$0	\$11,000	\$11,000	\$0	\$11,000		
Subtotal (Direct Costs)	\$120,500	\$0	\$120,500	\$120,500	\$0	\$120,500		
Estimated G/A - 180.00% of direct labor*	\$13,500	\$0	\$13,500	\$13,500	\$0	\$13,500		
Total	\$134,000	\$0	\$134,000	\$134,000	\$0	\$134,000		
Direct Labor	\$7,500	\$0	\$7,500	\$7,500	\$0	\$7,500		

*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: *A. Kilani* 6/6/12

Department Director: *Daniel M. Pullman* 06/06/12

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 \$137,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. IRWD has no intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

June 25, 2012 ^{DS} SLM
Prepared by: S. Malloy
Submitted by: K. Burton ^{KLB}
Approved by: Paul Cook ^{Paul Cook}

ACTION CALENDAR

MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES VARIANCE NO. 3

SUMMARY:

The Michelson Water Recycling Plant (MWRP) Phase 2 Expansion and Flood Protection Improvements are currently being constructed by J. R. Filanc Construction Company (Filanc). Staff recommends the Board authorize the General Manager to execute Variance No. 3 in the amount of \$317,569 with ARCADIS-US/Malcolm Pirnie for additional construction management and inspection services for the MWRP Phase 2 Expansion and Flood Protection Improvements project.

BACKGROUND:

Construction of the MWRP Phase 2 Expansion and Flood Protection Improvements project 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 and protect MWRP from flooding of San Diego Creek. A Project Overview Diagram of the MWRP Phase 2 Expansion is attached as Exhibit "A".

Variance No. 3 with ARCADIS-US/Malcolm Pirnie:

ARCADIS-US/Malcolm Pirnie has been providing construction management and inspection services for the MWRP Phase 2 Expansion project since September 2009. ARCADIS-US/Malcolm has been a key partner in the construction of the project.

The construction management services that ARCADIS-US/Malcolm Pirnie has provided include:

- (1) review change orders;
- (2) negotiate change orders with the contractor;
- (3) prepare change requests and change orders for approval;
- (4) review and negotiate progress payments;
- (5) review project financials;
- (6) prepare internal and external communications;
- (7) prepare the biweekly, monthly, and quarterly reports;
- (8) coordinate work between the MWRP construction management team, IRWD staff, contractors, outside consultants, and agencies;
- (9) review project schedule;
- (10) maintain the document control system; and
- (11) perform other tasks, such as maintaining the project's correction (punch) list and spare parts list.

ARCADIS-US/Malcolm Pirnie has provided excellent inspection services in the last two years. The areas that ARCADIS-US/Malcolm Pirnie has inspected consist of:

- (1) the headworks;
- (2) the flow equalization basins;
- (3) the alum storage facility;
- (4) the central electrical building;
- (5) the MPS-2 electrical building;
- (6) the North Influent Interceptor;
- (7) the flood protection improvements; and
- (8) the biosolids piping and conduits.

The original contract with ARCADIS-US/Malcolm Pirnie contained funding authorization through February 2012. Through work reallocation and Variance No. 2, there is sufficient authorization through July 2012. The anticipated construction completion date is January 15, 2013. Variance No. 3 with ARCADIS-US/Malcolm Pirnie in the amount of \$317,569 is for additional construction management and inspection services for the remainder of the Phase 2 Expansion through February 2013 and is attached as Exhibit "B". Variance No. 3 would cover project close-out and reflects a less-than-full-time labor effort for construction management and inspection services since construction activities are anticipated to be reduced in the latter portion of the project. It also includes a negotiated lower billing rate for construction management services.

FISCAL IMPACTS:

The MWRP Phase 2 Expansion, Projects 20214 (1599) and 30214 (1706), are included in the FY 2011-12 Capital Budget. The existing budget and Expenditure Authorization are sufficient to fund Variance No. 3 with ARCADIS-US/Malcolm Pirnie.

ENVIRONMENTAL COMPLIANCE:

The Michelson Water Recycling Plant Phase 2 Expansion and Flood Protection Improvements, Projects 20214, 20542, 30214, and 30542 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 19, 2012.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 3 IN THE AMOUNT OF \$317,569 WITH ARCADIS-US/MALCOLM PIRNIE FOR ADDITIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR THE MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION AND FLOOD PROTECTION IMPROVEMENTS, PROJECTS 20214 (1599) AND 30214 (1706).

LIST OF EXHIBITS:

Exhibit "A" – Location Map

Exhibit "B" – Variance No. 3 – ARCADIS-US/Malcolm Pirnie



Overview of MWRP Phase 2 Expansion



1. North and South Influent Interceptors
2. Headworks
3. Primary Sedimentation
4. Primary Effluent Pump Station
5. Flow Equalization Basins
6. Aeration Blowers
7. Membrane Bioreactors (MBR)
8. High Rate Clarifier (HRC)
9. Spent Backwash
10. Ultraviolet (UV) Disinfection and Chlorine Contact Modifications
11. Chemical Systems
12. Odor Control
13. Electrical Buildings
14. Sodium Hypochlorite System
15. Flood Protection Improvements

EXHIBIT "A"

IRVINE RANCH WATER DISTRICT

PROFESSIONAL SERVICES VARIANCE REGISTER

Project Title: MWRP Phase 2 Expansion & Flood Protection Improvements Construction Management and Inspection Services

Project No.: 20214 (1599), 20542 (1150), 30214 (1706), 30542 (1118)
 Project Manager: Steve Malloy/Billy Stewart

Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
1	Inspection Services	September 2010	Sept 30, 2010	\$466,492.24
2	Construction Management and Inspection Services for Biosolids Pipelines and Ductbanks	January 5, 2011	January 25, 2011	\$71,810.40
3	Supplementary Construction Management and Inspection Services	June 19, 2012		\$317,569.00

IRWD: Planning Level Multi-Project Schedule			2012												2013											
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MWRP Ph 2 Expansion - CM	Rate	Cost																								
Staff Engr / CM Support - Esmilla	\$ 175	\$ 176,204	*1.0	*1.0	*1.0	*1.0	*0.8	*1.0	*1.0	*1.0	*1.0	*1.0	*0.8	*0.8	*0.6	*0.6										
Inspector #2 - Suchor	\$ 142	\$ 122,926	*1.0	*1.0	*1.0	*1.0	*1.0	*1.0	*1.0	*1.0	*1.0	*1.0	*1.0													
Inspector #2 - Suchor - Overtime (10%)	\$ 212	\$ 18,439	*0.1	*0.1	*0.1	*0.1	*0.1	*0.1	*0.1	*0.1	*0.1	*0.1	*0.1													
TOTAL		\$ 317,569																								
* Currently Covered by MWRP Phase 2 Expansion CM authorization thru July 2012.																										

B-3

June 25, 2012 HC
Prepared by: H. Cho/M. Cortez
Submitted by: K. Burton
Approved by: Paul Cook

ACTION CALENDAR

SANTIAGO CANYON AREA BOOSTER PUMP STATIONS PERMANENT GENERATORS EXPENDITURE AUTHORIZATION AND CONSTRUCTION AWARD

SUMMARY:

The Santiago Canyon Area Booster Pump Stations (BPS) Permanent Generators Project will construct permanent emergency diesel generators at the Fleming BPS, Shaw BPS, Read BPS, Williams BPS, and Manning BPS in the Santiago Canyon area. Staff recommends the Board:

- Approve an Expenditure Authorization in the amount of \$1,306,700 for Project 11476;
- Approve an Expenditure Authorization in the amount of \$101,800 for Project 11480;
- Approve an Expenditure Authorization in the amount of \$96,300 for Project 11481;
- Consent to relieve F.T. Ziebarth Company of its bid due to mistake;
- Authorize the General Manager to execute a construction contract with Pacific Hydrotech in the amount of \$1,314,500; and
- Authorize the General Manager to execute Variance No. 4 with Psomas for the Santiago Canyon Area BPS Permanent Generators Project.

BACKGROUND:

The Santiago Canyon Area BPS Permanent Generators Project will construct permanent emergency diesel generators at five BPS's located in the Santiago Canyon area. These include the Fleming BPS, Shaw BPS, Read BPS, Williams BPS, and Manning BPS. A site location map is attached as Exhibit "A". Currently, these sites have portable generators located on-site in the event of power failure. The project will also construct block walls around the Shaw BPS, Read BPS, Williams BPS, and Manning BPS to help deflect radiant heat from wildfires to protect the equipment. A block wall will not be constructed at the Fleming BPS as a block wall at this site will not deflect much radiant heat and the large yard around the BPS and reservoir provide a defensible space for fire protection. The project will also upgrade the Motor Control Centers (MCC) at the Shaw BPS and Read BPS and install a new SCADA radio antenna at the Shaw BPS to improve radio communications in Silverado Canyon.

The Manning BPS is located on Federal land and operated through a Special Use Permit with the US Forest Service, a division of the Department of Agriculture. The permit is due to expire on April 30, 2013. Because the Manning BPS is located on Federal land, a NEPA document is required for environmental documentation for the proposed project with the US Forest Service acting as the lead agency. IRWD and the US Forest Service entered into a Cost Recovery Agreement for the US Forest Service to work on the NEPA document and Special Use Permit renewal. Both documents have yet to be finalized. The construction at the Manning BPS was bid as alternate bid items in case the US Forest Service does not complete the NEPA document. Once the NEPA document is adopted, the contractor will be authorized to work at the Manning BPS.

Construction Award:

In November 2010, IRWD contracted with Psomas to design the Santiago Canyon Area BPS Permanent Generators Project. In April 2012, Psomas completed the design, and the project went out to construction bid to a select bidders list of fifteen contractors. On May 8, 2012, the bid opening occurred, and six contractors submitted construction bids. The apparent low bidder was F.T. Ziebarth Company (Ziebarth) with a low bid of \$1,167,700. The engineer's estimate was \$1,068,000. The bid summary is attached as Exhibit "B".

On May 9, 2012, Ziebarth requested withdrawal of their bid as shown in the attached Exhibit "C". The California Public Contracts Code gives a bidder the right to be relieved of its bid by consent of the awarding body if the bidder establishes that a mistake was made in filling out the bid that was not the result of carelessness in inspecting the work site or reading the plans and specifications, or error in judgment, that the mistake materially altered the intended bid, and that the bidder notified the agency within five working days (weekends and state holidays excluded) of the bid opening. Staff believes Ziebarth's clerical error in bid items 1 and 2 of the bid proposal represents a mistake and not an error in judgment or interpretation. IRWD Legal Counsel reviewed the bids and Ziebarth's request to withdraw their bid.

The apparent low bidder became Pacific Hydrotech Corporation (Pacific Hydrotech) with a bid amount of \$1,314,500. Pacific Hydrotech has recently completed construction projects for IRWD including the BPS Roof Replacements Project and the RMS at 9 Domestic Water Reservoirs Project which were completed on-time and within the project budgets.

Construction Support Variance:

Psomas submitted Variance No. 4 in the amount of \$33,368 to provide additional engineering services during construction, construction survey, assistance to review the Air Quality Management District (AQMD) permit applications for the new generators, and additional assistance during the construction bid period. Engineering services during construction was included in Psomas agreement for the project, but staff identified that these additional tasks are needed.

FISCAL IMPACTS:

Projects 11476 (1570), 11480 (1602), and 11481 (1612) are included in the FY 2012-13 Capital Budget. Staff requests Expenditure Authorizations to fund the construction project as 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
11476 (1570)	\$1,577,300	\$ -0-	\$1,577,300	\$ 270,600	\$ 1,306,700	\$1,577,300
11480 (1602)	\$ 161,800	\$ -0-	\$ 161,800	\$ 60,000	\$ 101,800	\$ 161,800
11481 (1612)	\$ 156,300	\$ -0-	\$ 156,300	\$ 60,000	\$ 96,300	\$ 156,300
Total	\$1,895,400	\$ -0-	\$1,895,400	\$ 390,600	\$ 1,504,800	\$1,895,400

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and in conformance with California Code of Regulations Title 14, Chapter 3, Article 6, a Notice of Intent to adopt a Negative Declaration was filed with the County of Orange on November 1, 2011. Pursuant to State Guideline § 15073, the IS/ND was being made available for public review for a period of 30 days beginning November 1, 2011 and concluded December 1, 2011. The Mitigated Negative Declaration was adopted by the Irvine Ranch Water District Board of Directors on December 12, 2011.

The Manning Water Treatment Plant location is also subject to the National Environmental Policy Act (NEPA). NEPA related environmental review is currently being conducted by the US Forestry Service (lead agency).

COMMITTEE STATUS:

Construction awards are not routinely taken to Committee prior to submittal for Board approval. Psomas Variance No. 4 was reviewed by the Engineering and Operations Committee on June 19, 2012.

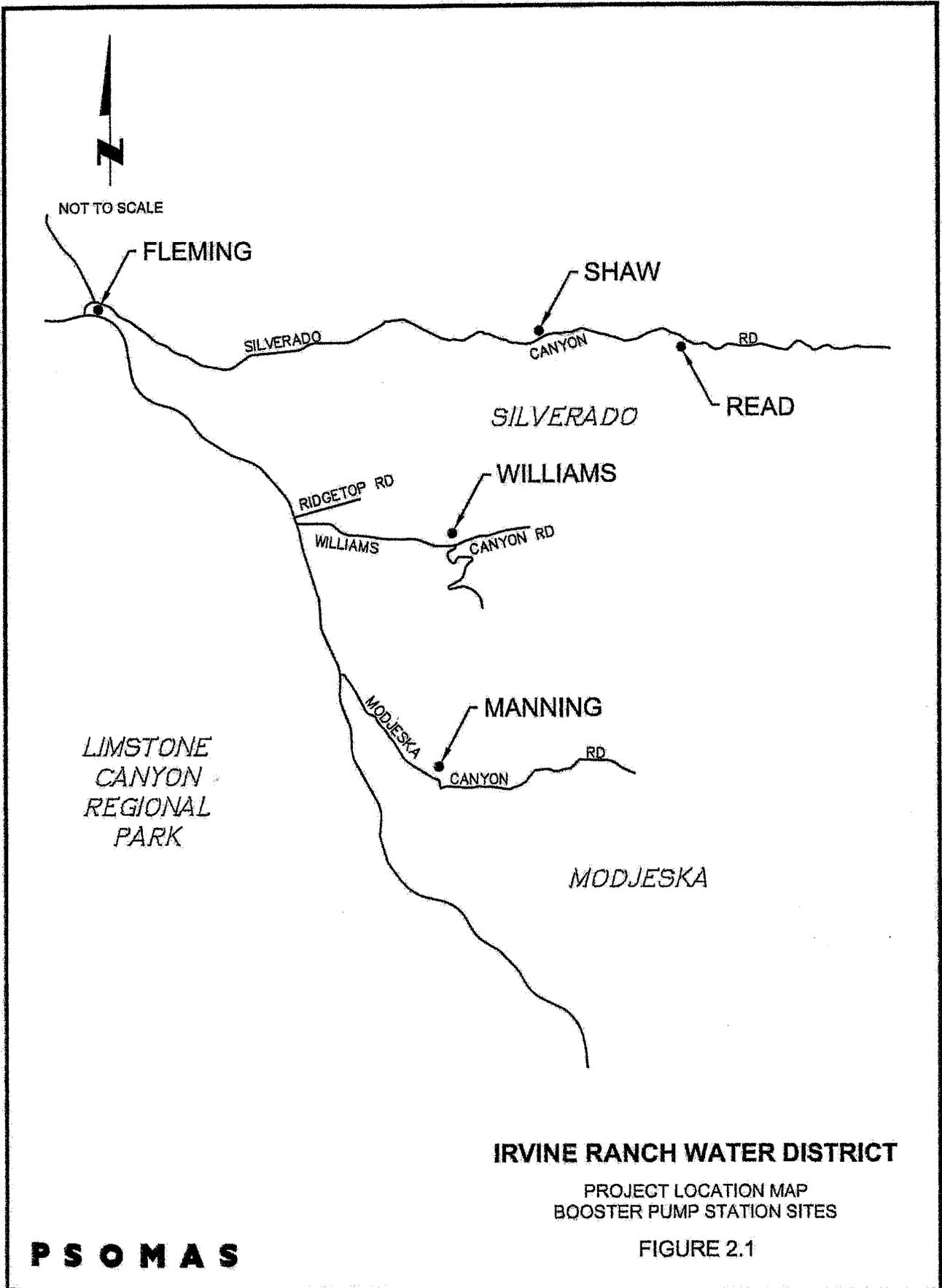
RECOMMENDATION:

THAT THE BOARD APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$1,306,700 FOR PROJECT 11476 (1570); APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$101,800 FOR PROJECT 11480 (1602); APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$96,300 FOR PROJECT 11481 (1612); CONSENT TO RELIEVE F.T. ZIEBARTH COMPANY OF ITS BID DUE TO MISTAKE; AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONTRACT WITH PACIFIC HYDROTECH IN THE AMOUNT OF \$1,314,500; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 4 WITH PSOMAS FOR THE SANTIAGO CANYON AREA BOOSTER PUMP STATIONS EMERGENCY GENERATORS PROJECT.

LIST OF EXHIBITS:

- Exhibit "A" – Location Map
- Exhibit "B" – Bid Summary
- Exhibit "C" – F.T. Ziebarth Letter Withdrawing Bid
- Exhibit "D" – Psomas Variance No. 4
- Exhibit "E" – Expenditure Authorizations

EXHIBIT "A"



Bid Opening: Tuesday, May 8, 2012 @ 1:30 p.m.

Irvine Ranch Water District Bid Summary For
Santiago Canyon Area Booster Pump Station
Generator Project ~ PR 11476 (1570)

Entered By: J.K. Irey

Item No.	Description	Qty	Unit	Engineer's Estimate		1 Z.T. Ziebarth Co Fullerton, CA 92834		2 Pacific Hydrotech Co. Perris, CA 92570		3 Norman A. Olsson Orange, CA 92867		Pascal d Ontario
				Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price
1	Mobilization, demobilization, and cleanup at all booster pump station sites	1	LS	\$51,300.00	\$51,300.00	\$20,000.00	\$20,000.00	\$70,400.00	\$70,400.00	\$50,000.00	\$50,000.00	\$43,000.00
2	Erosion control, Stormwater Pollution Prevention Plan, & Compliance w/RWQCB Requirement at All Booster Pump Stations	1	LS	\$32,000.00	\$32,000.00	\$2,000.00	\$2,000.00	\$3,900.00	\$3,900.00	\$12,000.00	\$12,000.00	\$23,000.00
3	Start-up, testing, troubleshooting, calibration, system demonstration	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
4	Operation & maintenance manuals, record drawings and warranties	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
5	Temporary traffic control, and trench and project safety measures for all Booster Pump Station Sites	1	LS	\$20,000.00	\$20,000.00	\$1,000.00	\$1,000.00	\$4,500.00	\$4,500.00	\$20,000.00	\$20,000.00	\$11,000.00
FLEMING BOOSTER PUMP STATION												
6	Site demolition work including clearing, grading, utility protection, and removal of wishing well, and portions of landscaping and irrigation	1	LS	\$5,000.00	\$5,000.00	\$1,000.00	\$1,000.00	\$2,100.00	\$2,100.00	\$15,000.00	\$15,000.00	\$4,000.00
7	Permanent 150 kW electrical emergency generator set with diesel engine and enclosure and integral 24-hour fuel storage to be mounted on a concrete pad	1	LS	\$67,500.00	\$67,500.00	\$60,000.00	\$60,000.00	\$76,100.00	\$76,100.00	\$64,000.00	\$64,000.00	\$60,000.00
8	Site improvement work including concrete pad foundation for generator, and miscellaneous pavement and landscaping	1	LS	\$7,000.00	\$7,000.00	\$10,000.00	\$10,000.00	\$2,100.00	\$2,100.00	\$13,000.00	\$13,000.00	\$12,000.00
9	Electrical work including conduits, wiring, connections, automatic transfer switch, and install Owner-furnished triple switch to power existing 60-HP pumps from permanent electric generator	1	LS	\$27,000.00	\$27,000.00	\$30,000.00	\$30,000.00	\$33,800.00	\$33,800.00	\$30,000.00	\$30,000.00	\$40,000.00
SHAW BOOSTER PUMP STATION												
10	Site demolition work including clearing, utility protection, and removal of chain link fence/gate, landscaping, and electrical and communications equipment and cabinets	1	LS	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$5,800.00	\$5,800.00	\$25,000.00	\$25,000.00	\$15,000.00
11	Permanent 100 kW electrical emergency generator set with diesel engine and enclosure and integral 24-hour fuel storage to be mounted on a concrete pad	1	LS	\$57,500.00	\$57,500.00	\$50,000.00	\$50,000.00	\$52,300.00	\$52,300.00	\$60,000.00	\$60,000.00	\$48,000.00
12	Concrete pad foundation for generator	1	LS	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00	\$9,100.00	\$9,100.00	\$12,000.00	\$12,000.00	\$12,000.00
13	Miscellaneous site improvement work including masonry block wall, chain link fence, chain link, swing gate, fittings, and gravel resurfacing and pavement	1	LS	\$25,000.00	\$25,000.00	\$60,000.00	\$60,000.00	\$46,900.00	\$46,900.00	\$48,000.00	\$48,000.00	\$55,000.00
14	Electrical work and new electrical service to install Owner-furnished triple switch, replace the PLC enclosure and install new electrical connections to power existing pumps and provide new instrumentation and telemetry communications	1	LS	\$71,000.00	\$71,000.00	\$100,000.00	\$100,000.00	\$111,300.00	\$111,300.00	\$96,000.00	\$96,000.00	\$112,000.00
15	Electrical work for MCC cabinet upgrade including new service switchgear, ATS, motor control center, and removal of existing electrical panels after new controls have been	1	LS	\$70,000.00	\$70,000.00	\$105,000.00	\$105,000.00	\$114,900.00	\$114,900.00	\$93,000.00	\$93,000.00	\$110,000.00
READ BOOSTER PUMP STATION												

B-1

EXHIBIT "B"

Bid Opening: Tuesday, May 8, 2012 @ 1:30 p.m.

Irvine Ranch Water District Bid Summary For
Santiago Canyon Area Booster Pump Station
Generator Project -- PR 11476 (1570)

Entered By: J.K. Irey

Item No.	Description	Qty	Unit	Engineer's Estimate		1 Z.T. Ziebarth Co Fullerton, CA 92834		2 Pacific Hydrotech Co. Perris, CA 92570		3 Norman A. Olsson Orange, CA 92867		Pascal d Ontario	
				Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	
16	Site demolition work including clearing and grubbing, utility protection, and removal of gravel, landscaping, chain link fence/gate, and electrical and communications equipment and cabinets	1	LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$6,600.00	\$6,600.00	\$36,000.00	\$36,000.00	\$3,000.00	
17	Permanent 100 kW electrical emergency generator set with diesel engine and enclosure and integral 24-hour fuel storage to be mounted on a concrete pad	1	LS	\$57,500.00	\$57,500.00	\$50,000.00	\$50,000.00	\$52,300.00	\$52,300.00	\$60,000.00	\$60,000.00	\$48,000.00	
18	Concrete pad foundation for generator	1	LS	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$8,700.00	\$8,700.00	\$12,000.00	\$12,000.00	\$11,000.00	
19	Miscellaneous site improvement work including masonry block wall, chain link fence, chain link, swing gate, fittings, and gravel resurfacing	1	LS	\$30,000.00	\$30,000.00	\$60,000.00	\$60,000.00	\$48,300.00	\$48,300.00	\$55,000.00	\$55,000.00	\$50,000.00	
20	Electrical work and new electrical service to install Owner-furnished triple switch, replace the PLC enclosure and install new electrical connections to power existing pumps and provide new instrumentation	1	LS	\$68,000.00	\$68,000.00	\$95,000.00	\$95,000.00	\$100,500.00	\$100,500.00	\$95,000.00	\$95,000.00	\$110,000.00	
21	Electrical work for MCC cabinet upgrade including new service switchgear, ATS, motor control center, and removal of existing electrical panels after new controls have been	1	LS	\$70,000.00	\$70,000.00	\$107,000.00	\$107,000.00	\$119,600.00	\$119,600.00	\$97,000.00	\$97,000.00	\$100,000.00	
WILLIAMS BOOSTER PUMP STATION													
22	Site demolition work including utility protection and removal of gravel, landscaping, irrigation, drain pipe, chain link fence/gate, and electrical and communications panels	1	LS	\$7,000.00	\$7,000.00	\$2,000.00	\$2,000.00	\$1,600.00	\$1,600.00	\$7,000.00	\$7,000.00	\$5,000.00	
23	Permanent 150 kW electrical emergency generator set with diesel engine and enclosure and integral 24-hour fuel storage to be mounted on a concrete pad	1	LS	\$67,500.00	\$67,500.00	\$60,000.00	\$60,000.00	\$67,300.00	\$67,300.00	\$68,000.00	\$68,000.00	\$60,000.00	
24	Concrete pad foundation for generator	1	LS	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$8,700.00	\$8,700.00	\$12,000.00	\$12,000.00	\$11,000.00	
25	Miscellaneous site improvement work including masonry block wall, wrought iron swing gate, grading, drainage pit, piping, and gravel resurfacing	1	LS	\$33,000.00	\$33,000.00	\$65,000.00	\$65,000.00	\$54,000.00	\$54,000.00	\$56,000.00	\$56,000.00	\$50,000.00	
26	Electrical work including conduits, wiring, connections, automatic transfer switch, and install Owner-furnished triple switch to power existing 60-HP pumps from permanent electric generator	1	LS	\$27,000.00	\$27,000.00	\$25,000.00	\$25,000.00	\$27,700.00	\$27,700.00	\$22,000.00	\$22,000.00	\$40,000.00	
TOTAL BID ITEMS 1-26						\$841,300.00		\$965,000.00		\$1,048,500.00		\$1,078,000.00	*WROTE IN
MANNING BOOSTER PUMP STATION													
27	Site demolition work including clearing, grubbing, utility protection, utility relocations, removal of existing concrete flatwork, block walls, retaining walls, landscaping, irrigation, piping, valves and appurtenances, chain link fence/gate, and electrical and communications panels	1	LS	\$38,000.00	\$38,000.00	\$12,000.00	\$12,000.00	\$16,000.00	\$16,000.00	\$12,000.00	\$12,000.00	\$36,000.00	
28	Permanent 150 kW electrical emergency generator set with diesel engine and enclosure and integral 24-hour fuel storage to be mounted on a concrete pad	1	LS	\$67,500.00	\$67,500.00	\$63,000.00	\$63,000.00	\$62,000.00	\$62,000.00	\$63,000.00	\$63,000.00	\$60,000.00	
29	Concrete pad foundation for generator	1	LS	\$7,200.00	\$7,200.00	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00	\$21,000.00	\$21,000.00	\$10,000.00	

B-2

Bid Opening: Tuesday, May 8, 2012 @ 1:30 p.m.

Irvine Ranch Water District Bid Summary For
Santiago Canyon Area Booster Pump Station
Generator Project ~ PR 11476 (1570)

Entered By: J.K. Irey

Item No.	Description	Qty	Unit	Engineer's Estimate		1 Z.T. Ziebarth Co Fullerton, CA 92834		2 Pacific Hydrotech Co. Perris, CA 92570		3 Norman A. Olsson Orange, CA 92867		Pascal d Ontario
				Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price
30	Site improvement work including masonry block wall, reinforced concrete retaining wall, and chain link fencing	1	LS	\$25,000.00	\$25,000.00	\$50,000.00	\$50,000.00	\$75,000.00	\$75,000.00	\$47,000.00	\$47,000.00	\$72,000.00
31	Miscellaneous site drainage improvement work including grading, concrete swale, drainage pit, and miscellaneous concrete and landscaping repairs	1	LS	\$15,000.00	\$15,000.00	\$3,000.00	\$3,000.00	\$9,000.00	\$9,000.00	\$18,000.00	\$18,000.00	\$27,000.00
32	8" Cement mortar lined and coated (CML&C) steel pipe	1	LS	\$1,000.00	\$1,000.00	\$11,000.00	\$11,000.00	\$13,750.00	\$13,750.00	\$8,800.00	\$8,800.00	\$29,700.00
33	3" and 4" Cement mortar lined and coated (CML&C) steel	1	LS	\$2,500.00	\$2,500.00	\$7,700.00	\$7,700.00	\$14,850.00	\$14,850.00	\$27,500.00	\$27,500.00	\$2,255.00
34	6" Staticmixer	1	LS	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00	\$2,400.00	\$2,400.00	\$2,200.00	\$2,200.00	\$4,000.00
35	8" butterfly valve with motor operator	1	LS	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00	\$4,200.00	\$4,200.00	\$9,000.00
36	4" modulating butterfly valve with motor operator	1	LS	\$2,000.00	\$2,000.00	\$7,000.00	\$7,000.00	\$4,500.00	\$4,500.00	\$5,400.00	\$5,400.00	\$9,000.00
37	3" check valve	1	LS	\$500.00	\$500.00	\$600.00	\$600.00	\$500.00	\$500.00	\$600.00	\$600.00	\$2,500.00
38	Electrical work including conduits, wiring, connections, automatic transfer switch, MOV connections, and install Owner-furnished triple switch to power existing 50-HP pumps from permanent electric generator	1	LS	\$65,000.00	\$65,000.00	\$40,000.00	\$40,000.00	\$45,000.00	\$45,000.00	\$52,000.00	\$52,000.00	\$60,000.00
SUBTOTAL ALTERNATIVE BID ITEMS 27-38					\$226,700.00		\$212,300.00		\$266,000.00		\$261,700.00	
Subtotal					\$1,068,000.00		\$1,177,300.00		\$1,314,500.00		\$1,339,700.00	
Adjustment (+ or -)					\$0.00		\$0.00		\$0.00		\$0.00	
TOTAL AMOUNT OF BID					\$1,068,000.00		\$1,177,300.00		\$1,314,500.00		\$1,339,700.00	
A-1	Alternative Item: Builder's "All-Risk"				\$0.00		\$0.00		\$0.00		\$0.00	
Sub-Total, Bid Items 1 thru 19 + A1					\$1,068,000.00		\$1,177,300.00		\$1,314,500.00		\$1,339,700.00	
Adjustment (+ or -)					\$0.00		-\$9,600.00		\$0.00		-\$1,000.00	
Total Amount of Bid					\$1,068,000.00		\$1,167,700.00		\$1,314,500.00		\$1,338,700.00	
							Item Calendar Days		Item Calendar Days		Item Calendar Days	
							100 kw Emergency Generator Set:150		100 kw Emergency Generator Set:112		100 kw Emergency Generator Set:100	
							150 kw Emergency Generator Set:150		150 kw Emergency Generator Set:112		150 kw Emergency Generator Set:100	
							Electrical Switchgear:180		Electrical Switchgear:126		Electrical Switchgear:120	
							Motor Actuators:180		Motor Actuators:84		Motor Actuators:130	
							Manufacturers:		Manufacturers:		Manufacturers:	
							100 kw Emergency Generator Set: KOHLER		100 kw Emergency Generator Set:CAT		100 kw Emergency Generator Set:CUMMINS	
							150 kw Emergency Generator Set: KOHLER		150 kw Emergency Generator Set:CAT		150 kw Emergency Generator Set: CUMMINS	
							Electrical Switchgear: ALLEN BRADLEY		Electrical Switchgear:ALLEN BRADLEY		Electrical Switchgear: GE	
							Motor Actuators: ROTORK		Motor Actuators:AUMA		Motor Actuators: EIM	
							Subcontractors:		Subcontractors:		Subcontractors:	
							Frank Smith		West and Sylvester		Alcorn Fence	
							R&D Steel		Alcorn Fence		R&D Steel	
							Alcorn Fence				JA Lynch Masonry	
							West and Sylvester				Western Jalco	
											Vanciv Electric	

B-3

Irvine Ranch Water District Bid Summary For
Santiago Canyon Area Booster Pump Station
Generator Project ~ PR 11476 (1570)

Item No.	Description	Qty	Unit	4		5		6	
				Ludwig & Schuler Engineering		Schuler Engineering		Caliagua	
				CA 91761		Corona, CA 92880		Chino, CA 91710	
				Total	Unit	Total	Unit	Total	
				Amount	Price	Amount	Price	Amount	
1	Mobilization, demobilization, and cleanup at all booster pump station sites	1	LS	\$43,000.00	\$49,500.00	\$49,500.00	\$65,167.00	\$65,167.00	
2	Erosion control, Stormwater Pollution Prevention Plan, & Compliance w/RWQCB Requirement at All Booster Pump Stations	1	LS	\$23,000.00	\$5,000.00	\$5,000.00	\$71,808.00	\$71,808.00	
3	Start-up, testing, troubleshooting, calibration, system demonstration	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	
4	Operation & maintenance manuals, record drawings and warranties	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	
5	Temporary traffic control, and trench and project safety measures for all Booster Pump Station Sites	1	LS	\$11,000.00	\$3,500.00	\$3,500.00	\$84,450.00	\$84,450.00	
FLEMING BOOSTER PUMP STATION									
6	Site demolition work including clearing, grading, utility protection, and removal of wishing well, and portions of landscaping and irrigation	1	LS	\$4,000.00	\$7,500.00	\$7,500.00	\$19,700.00	\$19,700.00	
7	Permanent 150 kW electrical emergency generator set with diesel engine and enclosure and integral 24-hour fuel storage to be mounted on a concrete pad	1	LS	\$60,000.00	\$81,500.00	\$81,500.00	\$66,110.00	\$66,110.00	
8	Site improvement work including concrete pad foundation for generator, and miscellaneous pavement and landscaping	1	LS	\$12,000.00	\$5,000.00	\$5,000.00	\$12,800.00	\$12,800.00	
9	Electrical work including conduits, wiring, connections, automatic transfer switch, and install Owner-furnished triple switch to power existing 60-HP pumps from permanent electric generator	1	LS	\$40,000.00	\$35,000.00	\$35,000.00	\$37,500.00	\$37,500.00	
SHAW BOOSTER PUMP STATION									
10	Site demolition work including clearing, utility protection, and removal of chain link fence/gate, landscaping, and electrical and communications equipment and cabinets	1	LS	\$15,000.00	\$10,000.00	\$10,000.00	\$28,640.00	\$28,640.00	
11	Permanent 100 kW electrical emergency generator set with diesel engine and enclosure and integral 24-hour fuel storage to be mounted on a concrete pad	1	LS	\$48,000.00	\$46,500.00	\$46,500.00	\$47,590.00	\$47,590.00	
12	Concrete pad foundation for generator	1	LS	\$12,000.00	\$21,500.00	\$21,500.00	\$9,750.00	\$9,750.00	
13	Miscellaneous site improvement work including masonry block wall, chain link fence, chain link, swing gate, fittings, and gravel resurfacing and pavement	1	LS	\$55,000.00	\$48,000.00	\$48,000.00	\$86,687.00	\$86,687.00	
14	Electrical work and new electrical service to install Owner-furnished triple switch, replace the PLC enclosure and install new electrical connections to power existing pumps and provide new instrumentation and telemetry communications	1	LS	\$112,000.00	\$110,000.00	\$110,000.00	\$14,750.00	\$14,750.00	
15	Electrical work for MCC cabinet upgrade including new service switchgear, ATS, motor control center, and removal of existing electrical panels after new controls have been	1	LS	\$110,000.00	\$120,000.00	\$120,000.00	\$217,000.00	\$217,000.00	
READ BOOSTER PUMP STATION									

B-4

Bid Opening: Tuesday, May 8, 2012 @ 1:30 p.m.

Irvine Ranch Water District Bid Summary For
Santiago Canyon Area Booster Pump Station
Generator Project -- PR 11476 (1570)

Entered By: J.K. Irely

Item No.	Description	4		5		6			
		Ludwig		Schuler Engineering		Caliagua			
		CA 91761		Corona, CA 92880		Chino, CA 91710			
		Qty	Unit	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	
16	Site demolition work including clearing and grubbing, utility protection, and removal of gravel, landscaping, chain link fence/gate, and electrical and communications equipment and cabinets	1	LS	\$3,000.00	\$6,000.00	\$6,000.00	\$19,700.00	\$19,700.00	
17	Permanent 100 kW electrical emergency generator set with diesel engine and enclosure and integral 24-hour fuel storage to be mounted on a concrete pad	1	LS	\$48,000.00	\$46,000.00	\$46,000.00	\$47,590.00	\$47,590.00	
18	Concrete pad foundation for generator	1	LS	\$11,000.00	\$6,500.00	\$6,500.00	\$9,060.00	\$9,060.00	
19	Miscellaneous site improvement work including masonry block wall, chain link fence, chain link, swing gate, fittings, and gravel resurfacing	1	LS	\$50,000.00	\$79,000.00	\$79,000.00	\$99,520.00	\$99,520.00	
20	Electrical work and new electrical service to install Owner-furnished triple switch, replace the PLC enclosure and install new electrical connections to power existing pumps and provide new instrumentation	1	LS	\$110,000.00	\$103,000.00	\$103,000.00	\$95,500.00	\$95,500.00	
21	Electrical work for MCC cabinet upgrade including new service switchgear, ATS, motor control center, and removal of existing electrical panels after new controls have been	1	LS	\$100,000.00	\$128,000.00	\$128,000.00	\$125,135.00	\$125,135.00	
WILLIAMS BOOSTER PUMP STATION									
22	Site demolition work including utility protection and removal of gravel, landscaping, irrigation, drain pipe, chain link fence/gate, and electrical and communications panels	1	LS	\$5,000.00	\$4,000.00	\$4,000.00	\$19,700.00	\$19,700.00	
23	Permanent 150 kW electrical emergency generator set with diesel engine and enclosure and integral 24-hour fuel storage to be mounted on a concrete pad	1	LS	\$60,000.00	\$76,000.00	\$76,000.00	\$47,590.00	\$47,590.00	
24	Concrete pad foundation for generator	1	LS	\$11,000.00	\$6,000.00	\$6,000.00	\$9,880.00	\$9,880.00	
25	Miscellaneous site improvement work including masonry block wall, wrought iron swing gate, grading, drainage pit, piping, and gravel resurfacing	1	LS	\$50,000.00	\$67,000.00	\$67,000.00	\$122,460.00	\$122,460.00	
26	Electrical work including conduits, wiring, connections, automatic transfer switch, and install Owner-furnished triple switch to power existing 60-HP pumps from permanent electric generator	1	LS	\$40,000.00	\$33,000.00	\$33,000.00	\$38,800.00	\$38,800.00	
TOTAL BID ITEMS 1-26						\$1,053,000.00		\$1,117,500.00	\$1,416,887.00
MANNING BOOSTER PUMP STATION									
27	Site demolition work including clearing, grubbing, utility protection, utility relocations, removal of existing concrete flatwork, block walls, retaining walls, landscaping, irrigation, piping, valves and appurtenances, chain link fence/gate, and electrical and communications panels	1	LS	\$36,000.00	\$3,000.00	\$3,000.00	\$19,700.00	\$19,700.00	
28	Permanent 150 kW electrical emergency generator set with diesel engine and enclosure and integral 24-hour fuel storage to be mounted on a concrete pad	1	LS	\$60,000.00	\$88,000.00	\$88,000.00	\$59,340.00	\$59,340.00	
29	Concrete pad foundation for generator	1	LS	\$10,000.00	\$17,000.00	\$17,000.00	\$18,430.00	\$18,430.00	

B-5

Bid Opening: Tuesday, May 8, 2012 @ 1:30 p.m.

Irvine Ranch Water District Bid Summary For
Santiago Canyon Area Booster Pump Station
Generator Project ~ PR 11476 (1570)

Entered By: J.K. Irey

Item No.	Description	Qty	Unit	4		5		6	
				Ludwig		Schuler Engineering		Caliagua	
				CA 91761		Corona, CA 92880		Chino, CA 91710	
				Total	Unit	Total	Unit	Total	
				Amount	Price	Amount	Price	Amount	
30	Site improvement work including masonry block wall, reinforced concrete retaining wall, and chain link fencing	1	LS	\$72,000.00	\$58,000.00	\$58,000.00	\$78,810.00	\$78,810.00	
31	Miscellaneous site drainage improvement work including grading, concrete swale, drainage pit, and miscellaneous concrete and landscaping repairs	1	LS	\$27,000.00	\$23,000.00	\$23,000.00	\$18,360.00	\$18,360.00	
32	8" Cement mortar lined and coated (CML&C) steel pipe	1	LS	\$29,700.00	\$12,100.00	\$12,100.00	\$12,815.00	\$12,815.00	
33	3" and 4" Cement mortar lined and coated (CML&C) steel	1	LS	\$2,255.00	\$24,750.00	\$24,750.00	\$12,100.00	\$12,100.00	
34	6" Static mixer	1	LS	\$4,000.00	\$3,000.00	\$3,000.00	\$3,656.00	\$3,656.00	
35	8" butterfly valve with motor operator	1	LS	\$9,000.00	\$5,000.00	\$5,000.00	\$12,280.00	\$12,280.00	
36	4" modulating butterfly valve with motor operator	1	LS	\$9,000.00	\$7,000.00	\$7,000.00	\$10,790.00	\$10,790.00	
37	3" check valve	1	LS	\$2,500.00	\$650.00	\$650.00	\$4,360.00	\$4,360.00	
38	Electrical work including conduits, wiring, connections, automatic transfer switch, MOV connections, and install Owner-furnished triple switch to power existing 50-HP pumps from permanent electric generator	1	LS	\$60,000.00	\$54,000.00	\$54,000.00	\$54,700.00	\$54,700.00	
SUBTOTAL ALTERNATIVE BID ITEMS 27-38				\$321,455.00		\$295,500.00		\$305,341.00	
Subtotal				\$1,374,455.00		\$1,413,000.00		\$1,722,228.00	
Adjustment (+ or -)				\$0.00		\$0.00		\$0.00	
TOTAL AMOUNT OF BID				\$1,374,455.00		\$1,413,000.00		\$1,722,228.00	
A-1	Alternative Item: Builder's "All-Risk"			\$0.00		\$5,691.00		\$0.00	
Sub-Total, Bid Items 1 thru 19 + A1				\$1,374,455.00		\$1,418,691.00		\$1,722,228.00	
Adjustment (+ or -)				\$0.00		\$0.00		-\$50,000.00	
Total Amount of Bid				\$1,374,455.00		\$1,418,691.00		\$1,672,228.00	
				Manufacturer Days	Item Calendar Days	Item Calendar Days			
				Generator Set:105	100 kw Emergency Generator Set:80	100 kw Emergency Generator Set:80			
				Generator Set:105	150 kw Emergency Generator Set:80	150 kw Emergency Generator Set:80			
				8	Electrical Switchgear:160	Electrical Switchgear:110			
					Motor Actuators:126	Motor Actuators:98			
				Manufacturers:	Manufacturers:	Manufacturers:			
				Generator Set: KOHLER	100 kw Emergency Generator Set: KOHLER	100 kw Emergency Generator Set: KOHLER			
				Generator Set: KOHLER	150 kw Emergency Generator Set: KOHLER	150 kw Emergency Generator Set: KOHLER			
				ALLEN BRADLEY	Electrical Switchgear: ALLEN BRADLEY	Electrical Switchgear: GE			
					Motor Actuators: EIM	Motor Actuators: EIM			
				Contractors:	Subcontractors:	Subcontractors:			
					Frank Smith Masonry	Southern Contracting			
					West and Sylvester	Frank Smith			
					R & D	R & D Steel			
					Econo Fence	Alcorn Fence			

B-6

Exhibit "C"

F.T. ZIEBARTH COMPANY

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

May 9, 2012

hand carried

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

Attn: Harry Cho

Reference: **SANTIAGO CANYON AREA BOOSTER PUMP STATION
GENERATOR PROJECT, PROJECT NO. 11476**

Dear Harry:

In reviewing our proposal after the bid opening, we found a major clerical error was made in the bid items for mobilization and RWQCB compliance.

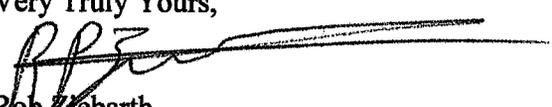
In bid items 1 and 2 of the bid proposal, we listed \$20,000 for mobilization, and \$2000 for erosion control and compliance with RWQCB. This project has 5 different sites, each requiring separate mobilizations and RWQCB compliance plans.

The figures on our bid form only account for one mobilization and compliance plan, and it was our intent to multiply these figures by 5. For this project which is well over \$1 million, the cost of performance and payment bonds, liability insurance, and excess liability insurance exceed the amount that we listed for mobilization.

The result of this clerical error is so large, we cannot possibly perform the work for the amount entered on the bid form. The amount on the bid form is materially different from what we intended it to be. Therefore, we are withdrawing our bid for this project.

We apologize for the inconvenience to the District, and if we can assist you in any way regarding this matter, please do not hesitate to contact me.

Very Truly Yours,



Rob Ziebarth

F.T. ZIEBARTH COMPANY

P S O M A S

April 26, 2012

Balancing the Natural and Built Environment

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

Subject: Santiago Canyon Area BPS Permanent Generators Project PR 11476
Request for Professional Services Variance No. 4
Additional Construction Phase Services

Dear Mr. Cho:

INTRODUCTION

Pursuant to our discussion, this letter provides our estimated labor hours and fee for providing additional work items required for this project during the bidding and construction phase. We respectfully request IRWD review the detailed description of the additional items requested for construction phase services.

ADDITIONAL SERVICES

Additional services to be provided include:

- Bid period assistance including attendance of pre-bid meeting, assist with providing information and clarification of bid documents to prospective bidders, and preparation of Addendum No. 1. NOTE: This work was included under Task 2 (Final Design) of the original scope of services, but due to additional effort required to complete the final design package, hours reserved under this task were previously expended.
- The original contract (and RFP) includes review of approximately 12 shop drawings, however, it appears this project could have up to 40 shop drawings. We have added time for review (and 2nd review if necessary) of an additional 28 shop drawings.
- Provide assistance to review the Contractor's Air Quality Management District (AQMD) permit application packages. We have budgeted time to review the documents and coordinate with IRWD.
- Provide construction staking for generator pads and cmu block walls. We have assumed 5 days of field survey by a 2-man crew (one day for Fleming/Williams, one day for Shaw/Read and two days for Manning) to provide one set of construction stakes, in addition to office time required for

3 Hutton Centre Drive
Suite 200
Santa Ana, CA 92707

Tel 714.751.7373
Fax 714.545.8883
www.psomas.com

Mr. Harry Cho
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April 26, 2012
2IRV140138/01

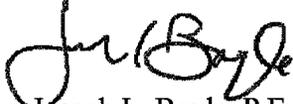
calculations and QA/QC. The first day budgeted for the Manning site includes staking the generator pad, wall and additional topo survey of hill behind the wall to supplement existing topo survey data. The second day at Manning is to provide construction staking to allow contractor to grade hill to original conditions. We also have assumed that survey control set previously by Psomas during the design phase is still intact and undisturbed. Should the control no longer be present, a separate scope and budget will be prepared to re-establish control at the project sites.

We respectfully request an increase in the budget of \$33,368 to provide the additional services described above. Our proposed labor hours and fee are included in the attached table. A draft of the Professional Services Variance No. 4 is attached for your review.

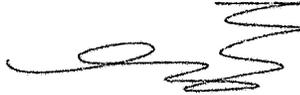
If you have any questions or require additional information, please do not hesitate to call.

Sincerely,

PSOMAS



Joseph L. Boyle, P.E.
Vice President/Senior Project Manager



Neha Gajjar, P.E.
Project Manager

Encl.
JLB:NG:vs

**IRVINE RANCH WATER DISTRICT
PROFESSIONAL SERVICES VARIANCE**

Project Title: Santiago Canyon Area Booster Pump Station Permanent File No.: _____
Generators Date: April 26, 2012
 Variance No.: Four
 Project No.: PR 11476 Project No. 2IRV140138 00001
 Purchase Order No.: 127962

Originator: IRWD ENGINEER/CONSULTANT Other (Explain) _____

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

Bid period assistance, additional shop drawing review, coordination and review of AQMD permit packages and construction staking. See attached letter.

Engineering & Management Cost Impact:

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
Project Manager	40	174	\$6,960	--	--	\$6,960
QA/QC Review	5	196	\$980	--	--	\$980
Structural Design Review	12	158	\$1,896	--	--	\$1,896
Professional Engineer	68	117	7,956	700	--	\$8,656
CADD	20	118	2,360	--	--	\$2,360
Project Assistant	8	65	520	--	--	\$520
Survey	55	210.83	11,596	--	--	\$11,596
Electrical Engineering	3	--	--	--	\$400	\$400
Total \$ =						\$33,368

Schedule Impact:

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
3.5	Construction	May 2012	None	Same

Required Approval Determination:

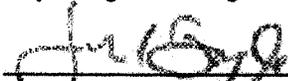
Total Original Contract	\$ <u>178,757</u>	<input type="checkbox"/> General Manager: Single Variance less than or equal to \$30,000. <input type="checkbox"/> Committee: Single Variance greater than \$30,000, and less than or equal to \$60,000. <input type="checkbox"/> Board: Single Variance greater than \$60,000. <input checked="" type="checkbox"/> Board: Cumulative total of Variances greater than \$60,000, or 30% of the original contract, whichever is higher.
Previous Variances \$	<u>59,373</u>	
This Variance \$	<u>33,368</u>	
Total Sum of Variances	\$ <u>92,741</u>	
New Contract Amount	\$ <u>271,498</u>	
Percentage of Total Variances to Original Contract	<u>52%</u>	

ENGINEER/CONSULTANT: Psomas
Company Name

IRVINE RANCH WATER DISTRICT

Project Engineer/Manager _____ Date 4/26/12


Department Director _____ Date 6/11/12


Engineer's/Consultant's Management _____ Date 4/26/12

General Manager/Comm./Board _____ Date _____

**IRVINE RANCH WATER DISTRICT
PROFESSIONAL SERVICES VARIANCE REGISTER**

Project Title: Santiago Canyon Area Booster Pump Station Permanent Generators

Project No.: PR 11476 Project Manager: Harry Cho

Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
One	Additional electrical engineering design services to replace aged electrical panels and MCC's at the Shaw and Read Booster Pump Stations. Additional office and field survey required to establish control at Shaw BPS after survey monuments were destroyed by others, to research property boundary issues at Manning Treatment Plant and BPS, and to provide additional topographic survey at the Fleming BPS storage yard. Additional site engineering design services to prepare retaining wall plans and details at the Manning site.	3/16/2011	4/5/11	\$28,923
Two	Additional site engineering design services to replace the valve before the pump manifold and add a bypass tee, valve and drain line to the 8-inch suction pipe at the Manning Treatment Plant and BPS site. The valves should be remotely operable. Additional electrical engineering design to remotely operate the two new valves.	10/3/11	10/6/11	\$19,398
Three	Additional miscellaneous work effort including, updating specifications, new RTU sheets, Williams site gate relocation, Shaw site retaining wall evaluation, antenna utility pole design, incorporating irrigation plans to base map at Manning, and evaluating and designing modulating valve at Manning site	1/23/12		\$11,052
Four	Bid period assistance, additional shop drawing review, coordination and review of AQMD permit packages and construction surveying	4/26/12		\$33,368

IRVINE RANCH WATER DISTRICT
Santiago Canyon Booster Pump Station Generators Project
 Engineering Services Proposal
 Variance No. 4
 Estimated Labor Hours and Fees

Scope of Work Tasks	In-House Labor Hours								Total Hours	FFI	Subconsultants				Total Hours	Direct Costs	Total Fee
											Electrical	Geotechnical					
	PM	QC	SD	PU	RW	CADD	PA	Survey			Hours	\$	Hours	\$			
TASK 1 - Preliminary Design Report																	
1.1 Right-of-Way	6	0	0	4	38	0	0	0	48	\$6,642	0	\$0	0	\$0	48	\$0	\$6,642
1.2 Sight Surveys	2	0	0	0	0	54	0	98	154	\$19,400	0	\$0	0	\$0	154	\$0	\$19,400
1.3 Utility Review	4	0	0	16	0	0	8	0	28	\$3,088	5	\$640	0	\$0	33	\$50	\$3,778
1.4 Geotechnical Review	2	0	2	0	0	0	0	0	4	\$664	0	\$0	18	\$2,700	22	\$0	\$3,364
1.5 Optional Geotechnical Investigation (See Optional Items Below)	0	0	0	0	0	0	0	0	0	\$0	0	\$0	0	\$0	0	\$0	\$0
1.6 Generator Selection	8	1	8	0	0	0	0	0	17	\$2,852	25	\$3,200	0	\$0	42	\$0	\$6,052
1.7 Conceptual Layout	12	2	4	4	0	40	0	0	62	\$8,300	0	\$0	0	\$0	62	\$0	\$8,300
1.8 Electrical/Instrumentation	8	0	2	2	0	0	0	0	12	\$1,942	47	\$6,140	0	\$0	59	\$0	\$8,082
1.9 Permits	4	0	0	24	0	0	8	0	36	\$4,024	0	\$0	0	\$0	36	\$200	\$4,224
1.10 CEQA Documentation	12	0	4	8	0	0	2	0	26	\$3,786	0	\$0	0	\$0	26	\$214	\$4,000
1.11 Project Schedule	6	0	0	0	0	0	0	0	6	\$1,044	0	\$0	0	\$0	6	\$0	\$1,044
1.12 Estimates of Probable Construction Costs	4	0	4	0	0	0	0	0	8	\$1,328	0	\$0	0	\$0	8	\$0	\$1,328
1.13 Meetings (4 mtgs)	8	0	0	0	0	0	0	0	8	\$1,392	5	\$640	0	\$0	13	\$100	\$2,132
1.14 Deliverables	12	0	4	0	0	8	8	0	32	\$4,184	0	\$0	0	\$0	32	\$800	\$4,984
1.15 Weekly and Monthly Status Reports	4	0	0	0	0	0	0	0	4	\$696	0	\$0	0	\$0	4	\$0	\$696
1.16 QA/QC and Constructability Review	0	8	0	0	0	2	8	0	18	\$2,324	0	\$0	0	\$0	18	\$0	\$2,324
Subtotal Task 1	92	11	28	58	38	104	34	98	463	\$61,666	82	\$10,620	18	\$2,700	563	\$1,364	\$76,350
TASK 2 - Final Design																	
2.1 Construction Drawings	32	0	8	0	0	80	0	0	120	\$16,272	90	\$11,690	0	\$0	210	\$0	\$27,962
2.2 Project Manual	16	0	0	0	0	0	4	0	20	\$3,044	7	\$960	0	\$0	27	\$0	\$4,004
2.3 Final Design Deliverables																	
a. 75% Design Submittal	4	2	0	0	0	2	2	0	10	\$1,454	0	\$0	0	\$0	10	\$200	\$1,654
b. 99% Design Submittal	4	2	0	0	0	2	2	0	10	\$1,454	6	\$795	0	\$0	16	\$500	\$2,749
c. 100% Design Submittal	4	2	0	0	0	2	2	0	10	\$1,454	6	\$795	0	\$0	16	\$500	\$2,749
d. Mylars and Original Project Manual	2	2	0	0	0	2	4	0	10	\$1,236	0	\$0	0	\$0	10	\$500	\$1,736
2.4 Project Meetings (4 mtgs)	8	0	0	0	0	0	0	0	8	\$1,392	10	\$1,280	0	\$0	18	\$100	\$2,772
2.5 Right-of-Way Legal Descriptions	0	0	0	0	23	0	0	0	23	\$3,105	0	\$0	0	\$0	23	\$0	\$3,105
2.6 Permits	12	0	0	40	0	0	8	0	60	\$7,288	10	\$1,230	0	\$0	70	\$400	\$8,918
2.7 Project Schedule	6	0	0	0	0	0	0	0	6	\$1,044	0	\$0	0	\$0	6	\$0	\$1,044
2.8 Liquidated Damages Calculations	6	0	2	0	0	0	0	0	8	\$1,360	0	\$0	0	\$0	8	\$0	\$1,360
2.9 Construction Cost Estimate	6	1	4	0	0	0	0	0	11	\$1,872	7	\$940	0	\$0	18	\$0	\$2,812
2.10 Bid Period Assistance (2 Addenda)	8	0	4	4	0	0	2	0	18	\$2,622	16	\$2,070	0	\$0	34	\$0	\$4,692
Subtotal Task 2	108	9	18	0	44	88	24	0	314	\$43,597	153	\$19,760	0	\$0	467	\$2,200	\$65,557
TASK 3 - Construction Phase Services																	
3.1 Project Meetings (6 mtgs)	16	2	0	0	0	0	0	0	18	\$3,176	0	\$0	0	\$0	18	\$150	\$3,326
3.2 Contractor's Requests for Information (6 RFI's)	6	1	4	6	0	0	0	0	17	\$2,574	4	\$480	0	\$0	21	\$50	\$3,104
3.3 Minor Plan Revisions	8	0	0	0	0	12	0	0	20	\$2,808	0	\$0	0	\$0	20	\$50	\$2,858
3.4 Site Visits (3 Visits of 3 hrs each)	9	0	0	0	0	0	0	0	9	\$1,566	5	\$640	0	\$0	14	\$150	\$2,356
3.5 Shop Drawing Review (12 each)	8	0	4	12	0	0	0	0	24	\$3,428	11	\$1,390	0	\$0	35	\$250	\$5,068
3.6 Record Drawings	6	0	0	0	0	8	12	0	26	\$2,768	10	\$1,270	0	\$0	36	\$400	\$4,438
Subtotal Task 3	63	3	8	18	0	20	12	0	114	\$16,320	29	\$3,780	0	\$0	143	\$1,050	\$21,150
Variance No. 1																	
1.8 Electrical/Instrumentation	0	0	0	0	0	0	0	0	0	\$0	19	\$2,500	0	\$0	19	\$0	\$2,500
2.1 Construction Drawings & Details for Retaining Wall at Manning	4	2	16	0	0	30	4	0	56	\$7,416	0	\$0	0	\$0	56	\$100	\$7,516
2.1 Electrical Construction Drawings	1	0	0	0	0	0	0	0	1	\$174	56	\$7,200	0	\$0	57	\$0	\$7,374
2.2 Electrical Technical Specifications	1	0	0	0	0	0	0	0	1	\$174	6	\$800	0	\$0	7	\$0	\$974
2.9 Electrical Construction Cost Estimating	0	0	0	0	0	0	0	0	0	\$0	2	\$250	0	\$0	2	\$0	\$250
3.2 Electrical RFI's	0	0	0	0	0	0	0	0	0	\$0	2	\$200	0	\$0	2	\$0	\$200
3.5 Electrical Shop Drawing Review	0	0	0	1	0	0	0	0	1	\$117	5	\$600	0	\$0	6	\$0	\$717
3.6 Electrical Record Drawings	0	0	0	0	0	0	2	0	2	\$130	2	\$200	0	\$0	4	\$0	\$330
1.1 Right-of-Way Surveying	1	0	0	0	16	0	0	0	17	\$2,334	0	\$0	0	\$0	17	\$0	\$2,334
1.1 Site Surveying - Additional Survey at Shaw and Manning	0	0	0	0	0	0	0	24	24	\$3,105	0	\$0	0	\$0	24	\$0	\$3,105
1.2 Site Surveying - Additional Survey at Fleming/Storage Yard	0	0	0	0	0	0	0	28	28	\$3,623	0	\$0	0	\$0	28	\$0	\$3,623
Subtotal Variance No. 1	7	2	16	1	16	30	6	52	130	\$17,073	91	\$11,750	0	\$0	221	\$100	\$28,923
Variance No. 2																	
1.7 Conceptual Layout	8	2	4	0	0	0	0	0	14	\$2,416	0	\$0	0	\$0	14	\$0	\$2,416
2.1 Construction Drawings & Bypass Details @ Manning/Site Visit	16	0	12	0	0	44	0	0	72	\$9,972	0	\$0	0	\$0	72	\$300	\$10,272
2.1 Electrical Construction Drawings	1	0	0	0	0	0	0	0	1	\$174	21	\$2,750	0	\$0	22	\$0	\$2,924
2.2 Mechanical Technical Specifications	2	0	2	0	0	0	0	0	4	\$664	0	\$0	0	\$0	4	\$0	\$664
2.2 Electrical Technical Specifications	1	0	0	0	0	0	0	0	1	\$174	1	\$150	0	\$0	2	\$0	\$324
2.9 Mechanical Construction Cost Estimating	2	0	0	2	0	0	0	0	4	\$582	0	\$0	0	\$0	4	\$0	\$582
2.9 Electrical Construction Cost Estimating	1	0	0	0	0	0	0	0	1	\$174	1	\$100	0	\$0	2	\$0	\$274
3.2 Mechanical RFI's (2 RFI's)	2	1	1	2	0	0	0	0	6	\$936	0	\$0	0	\$0	6	\$0	\$936
3.5 Mechanical Shop Drawing Review (2 each)	1	0	1	2	0	0	0	0	4	\$566	0	\$0	0	\$0	4	\$0	\$566
3.5 Mechanical Record Drawings	1	0	0	0	0	2	0	0	3	\$410	0	\$0	0	\$0	3	\$0	\$410
3.6 Electrical Record Drawings	0	0	0	0	0	0	2	0	2	\$130	0	\$0	0	\$0	2	\$0	\$130
Subtotal Variance No. 2	35	3	20	6	0	46	2	0	112	\$16,098	23	\$3,000	0	\$0	135	\$300	\$19,398
Variance No. 3																	
2.1 Construction Drawings (Wall Eval/Pole Detail/Irr Plans/Modul Vlv)	16	0	4	0	0	28	0	0	48	\$6,720	0	\$0	0	\$0	48	\$100	\$6,820
2.1 Electrical Construction Drawings	0	0	0	0	0	2	0	0	2	\$236	15	\$2,000	0	\$0	17	\$200	\$2,436
2.2 Mechanical Technical Specifications	0	0	1	14	0	0	0	0	15	\$1,796	0	\$0	0	\$0	15	\$0	\$1,796
Subtotal Variance No. 3	16	0	5	14	0	30	0	0	65	\$8,752	15	\$2,000	0	\$0	80	\$300	\$11,052
Variance No. 4																	
2.10 Bid Period Assistance	8	2	0	8	0	16	0	0	34	\$4,608	0	\$0	0	\$0	34	\$0	\$4,608
3.5 Shop Drawing Review (28 each)	20	2	10	36	0	0	4	0	72	\$9,924	3	\$400	0	\$0	75	\$500	\$10,824
3.7 Assist IRWD in Review of AQMD Application Package	8	1	2	24	0	0	2	0	37	\$4,842	0	\$0	0	\$0	37	\$200	\$5,042
3.8 Construction Staking	4	0	0	0	0	4	2	55	65	\$12,894	0	\$0	0	\$0	65	\$0	\$12,894
Subtotal Variance No. 4	40	5	12	68	0	20	8	55	208	\$32,268	3	\$400	0	\$0	211	\$700	\$33,368
Total Estimated Hours and Fee for Non-Optional Tasks 1-3, Variance No. 1, 2, 3 & 4	351	33	107	187	88	338	86	205	1406	\$195,774	397	\$51,310	18	\$2,700	1,821	\$6,014	\$255,798
Optional Services																	
A. Geotechnical Investigation	0	0	0	0	0	0	0	0	0	\$0	0	\$0	71	\$10,700	71	\$0	\$10,700
B. Preliminary Title Reports	0	0	0	0	0	0	0	0	0	\$0	0	\$0	0	\$0	0	\$5,000	\$5,000
Subtotal Optional Tasks	0	0	0	0	0	0	0	0	0	\$0	0	\$0	71	\$10,700	71	\$5,000	\$15,700

Legend	
Psomas Staff	Subconsultants
PM - Project Manager/Project Engineer (Naha Gajjar, \$174/hr)	Electrical/Instrumentation - Moras Pham Associates
QA/QC - Quality Assurance/Quality Control (Joseph Boyle, \$196/hr)	Geotechnical - NMG Geotechnical, Inc.
SD - Structural Design (Dennis Phinney, \$158/hr)	
PU - Permits and Utilities (Nancy Helm, \$117/hr)	
RW - Right-of-Way Eng (\$135/hr)	
CADD - Lead CAD Designer (John Kaneshiro, \$118/hr)	
PA - Project Assistant (Vanessa Scott, \$65/hr)	
Survey - Psomas Survey	

Psomas

April 26, 2012

IRVINE RANCH WATER DISTRICT EXHIBIT "E"

Expenditure Authorization

Project Name: SANTIAGO CANYON AREA BPS PERMANENT GENERATORS
EPMS Project No: 11476 **EA No:** 3
Oracle Project No: 1570
Project Manager: CORTEZ, MALCOLM
Project Engineer: CHO, HARRY
Request Date: June 14, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
153	100.0	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$270,600
This Request:	\$1,306,700
Total EA Requests:	\$1,577,300
Previously Approved Budget:	\$1,577,300
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$1,577,300
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	4,000	16,000	20,000	0	20,000	20,000	7/10	4/12
ENGINEERING DESIGN - OUTSIDE	0	180,000	180,000	0	180,000	180,000	7/10	4/12
DESIGN STAFF FIELD SUPPORT	0	5,000	5,000	0	5,000	5,000	7/10	4/12
ENGINEERING - CA&I IRWD	35,000	0	35,000	0	35,000	35,000	5/12	1/13
ENGINEERING - CA&I OUTSIDE	110,000	0	110,000	0	110,000	110,000	5/12	1/13
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	0	5,000	5,000	5/12	1/13
CONSTRUCTION	1,100,000	0	1,100,000	0	1,100,000	1,100,000	5/12	1/13
LEGAL	2,000	0	2,000	0	2,000	2,000	7/10	1/13
ENGINEERING ENVIRONMENTAL-OUTS	0	45,000	45,000	0	45,000	45,000	7/10	4/12
Contingency - 5.00% Subtotal	\$50,700	\$24,600	\$75,300	\$0	\$75,300	\$75,300		
Subtotal (Direct Costs)	\$1,306,700	\$270,600	\$1,577,300	\$0	\$1,577,300	\$1,577,300		
Estimated G/A - 180.00% of direct labor*	\$76,000	\$41,000	\$117,000	\$0	\$117,000	\$117,000		
Total	\$1,382,700	\$311,600	\$1,694,300	\$0	\$1,694,300	\$1,694,300		
Direct Labor	\$44,000	\$21,000	\$65,000	\$0	\$65,000	\$65,000		

*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: Hyun Cho 6/15/12
Department Director: Kevin J. Burton 6/18/12
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 \$1,720,000. 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 is made under official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.151

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: SANTIAGO CANYON AREA READ BPS MCC
 EPMS Project No: 11480 EA No: 2
 Oracle Project No: 1602
 Project Manager: CORTEZ, MALCOLM
 Project Engineer: CHO, HARRY
 Request Date: June 14, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
101	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$60,000
This Request:	\$101,800
Total EA Requests:	\$161,800
Previously Approved Budget:	\$161,800
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$161,800
Budget Remaining After This EA	\$0

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	5,000	5,000	0	5,000	5,000	3/11	4/12
ENGINEERING DESIGN - OUTSIDE	(40,000)	45,000	5,000	0	5,000	5,000	3/11	4/12
DESIGN STAFF FIELD SUPPORT	0	2,500	2,500	0	2,500	2,500	3/11	4/12
ENGINEERING - CA&I IRWD	5,000	0	5,000	0	5,000	5,000	5/12	1/13
ENGINEERING - CA&I OUTSIDE	5,000	0	5,000	0	5,000	5,000	5/12	1/13
CONSTRUCTION FIELD SUPPORT	2,500	0	2,500	0	2,500	2,500	5/12	1/13
CONSTRUCTION	120,000	0	120,000	0	120,000	120,000	5/12	1/13
LEGAL	0	2,000	2,000	0	2,000	2,000	3/11	1/13
Contingency - 10.00% Subtotal	\$9,300	\$5,500	\$14,800	\$0	\$14,800	\$14,800		
Subtotal (Direct Costs)	\$101,800	\$60,000	\$161,800	\$0	\$161,800	\$161,800		
Estimated G/A - 180.00% of direct labor*	\$12,300	\$14,700	\$27,000	\$0	\$27,000	\$27,000		
Total	\$114,100	\$74,700	\$188,800	\$0	\$188,800	\$188,800		
Direct Labor	\$7,500	\$7,500	\$15,000	\$0	\$15,000	\$15,000		

*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: H. Cho 6/15/12
 Department Director: Kevin J. Burt 6/18/12
 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 \$193,000. The above captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporate official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

08
June 25, 2012

Prepared by: A. McNulty/F. Sanchez

Submitted by: G. Heiertz

Approved by: Paul Cook

ACTION CALENDAR

MULTI-FAMILY DWELLING AND COMMERCIAL PLUMBING FIXTURE RETROFIT PROGRAM CONSULTANT SELECTION

SUMMARY:

This project will use the services of a contractor to install cost-effective, high efficiency plumbing fixtures for eligible multi-family and commercial customers. The targeted commercial customers include qualified participants in the water-energy pilot grant-funded program, which is being jointly implemented with Southern California Edison (SCE). Funding for this project of up to \$400,000 is included in the approved Operating Budget for FY 2012-13. Staff recommends that the Board authorize the General Manager to execute an agreement with Bottom Line Utility Solutions for up to \$400,000 to perform the plumbing fixture installation services.

BACKGROUND:

The direct installation program stems from the successful UCI student housing retrofit pilot project and the Bureau of Reclamation grant-funded Water and Energy Business Audit program. Staff has identified significant potential within the multi-family sector for the replacement of old 3.5 gallon per flush toilets with the 0.8 gallon per flush "Stealth" plumbing fixtures that have proven performance and water savings. The Water and Energy Business Audit Program includes an installation component for businesses that have old, inefficient toilets and urinals. Staff combined the multi-family and commercial programs in order to receive better pricing and streamline program management for both.

Consultant Selection:

Staff issued a Request for Proposal in May 2012 to 10 firms to administer and implement the plumbing fixture installation program. Proposals were received from four firms: AmGreen Solutions, Southwest Environmental, EcoGreen and Bottom Line Utility Solutions. Staff evaluated the proposals and recommends the selection of Bottom Line based on its project understanding, approach, experience, schedule and fixed unit cost fees. The consultant selection matrix is attached as Exhibit "A". Bottom Line's proposal is attached as Exhibit "B".

The combined projects are expected to result in 1,000 retrofits of multi-family fixtures and approximately 150 commercial fixtures at a cost not to exceed \$400,000. IRWD will only pay for completed retrofits based on the fixed unit cost schedule. The retrofits are estimated to save approximately 300 acre-feet over the 10-year life of the devices, which is cost-effective to IRWD based on the associated avoided water and wastewater cost of approximately \$660,000.

FISCAL IMPACTS:

Funding for this program is included in the 2012-13 approved Operating Budget.

ENVIRONMENTAL COMPLIANCE:

Not required.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on June 19, 2012.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE AN AGREEMENT WITH BOTTOM LINE UTILITY SOLUTIONS TO PERFORM PLUMBING FIXTURE INSTALLATION SERVICES FOR ELIGIBLE MULTI-FAMILY AND COMMERCIAL CUSTOMERS UNDER THE MULTI-FAMILY DWELLING AND COMMERCIAL PLUMBING FIXTURE RETROFIT PROGRAM IN AN AMOUNT NOT TO EXCEED \$400,000.

LIST OF EXHIBITS:

Exhibit "A" – Consultant Selection Matrix
Exhibit "B" – Bottom Line Utility Solutions Proposal

EXHIBIT "A"

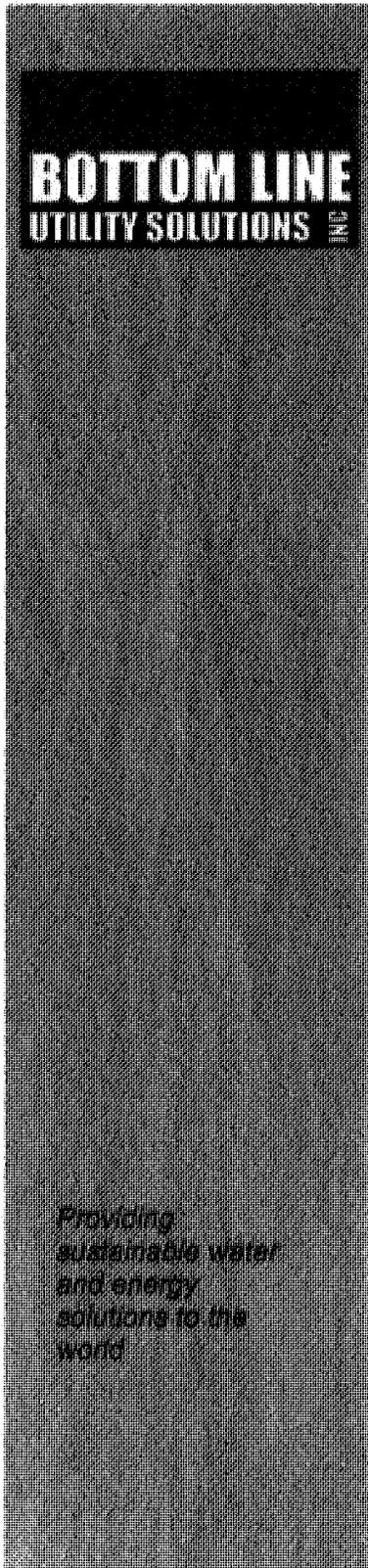
Multi-Family Dwelling and Commercial Direct Install RFP May 2012

Final Ranking

5 = excellent, 4=good, 3 = acceptable, 2 = poor, 1= not acceptable, 0=non-responsive

	Weights	AmGreen Solutions	Southwest Env.	EcoGreen	Bottom Line
Adherence to requirements of RFP	10%	0.5	4.4	3.5	4.5
Depth of experience and relevance	20%	1.1	4.5	3.0	4.8
Proposer's Understanding of required services	20%	1.6	4.0	3.2	4.3
Approach and methodology	15%	1.0	3.8	2.9	4.3
Proposed timeline for completion	15%	1.5	4.0	3.0	4.3
Total Cost	20%	2.0	1.0	4.0	3.0
		1.37	3.50	3.27	4.13
	100%				
Project Manager		Mark Latham	Hein Le	Michael Franchek	Steve Dorman
FEE					
Tank (1.28)		\$245.00		\$175.00	\$238.81
Tank (0.8)		\$275.00	\$385.00	\$227.00	\$266.61
Dual Flush		\$350.00			\$336.65
ADA Tank (1.28)		\$245.00		\$175.00	\$248.81
ADA Tank (0.8)			\$400.00	\$227.00	\$284.73
Flushometer		\$350.00	\$502.00	\$275.00	\$379.21
Urinal Valve (0.5)		\$500.00	\$675.00	\$298.00	\$134.03
Toilet Seats			\$18.50	\$10.50	\$19.29
Showerheads		\$3.08	\$9.25	\$9.00	\$13.91
Faucet Aerator		\$0.55	\$4.25	\$0.90	\$3.40
Faucet Flow Restrictor (pair)				\$11.50	\$17.22
Professional Liability Insurance		Yes	Yes	Yes	Yes
General Liability Insurance		Yes	Yes	Yes	Yes
FORCED RANKINGS:		4-Fourth	2- Second	3-Third	1-First

Note: Numerical rankings are the average of the individual rankings by members of the evaluation team



Proposal for Professional Services for a Multi- Family Dwelling and Commercial Plumbing Fixture Retrofit Program.

A Proposal to Irvine Ranch Water District

Presented on
May 31, 2012

Submitted by Steve Dorman, President
Binding Signature

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1 General Information

- a. Legal Name: Bottom Line Utility Solutions, Inc.
- b. Location and phone Number of main office:
23015 Del Lago, Ste. D2
Laguna Hills, Ca. 92653
800-597-2835 / 949-707-1311 / Fax: 949-707-1325
- c. Contact: Steve Dorman, President
- d. California Contractor's License: 876167

2 Organization Description

Bottom Line Utility Solutions, Inc., a California Corporation, was established in 2000 providing water and energy conservation solutions to the multifamily, single family, Commercial, Industrial and Institutional clients. We are proud to respond to the Irvine Ranch Water District's RFP Multi-Family Dwelling and Commercial Plumbing Fixture Retrofit Program. We strongly believe that we are the most experienced and best suited company to represent Irvine Ranch Water District in this program.

Bottom Line Utility Solutions, Inc is licensed, insured and highly trained for identifying and installing water and energy conservation measures. We have over 30 employees including project engineers, audit and estimating teams, project managers, customer service, purchasing and over 20 fully trained installation crews. Our strength is great customer service and care, attention to detail and creating long-term working relationships with our clients. We do not sub-contract our installations. The primary contact for this RFP is Steve Dorman, President. Other principals: Rob Edelstein, Chief Executive Officer; and David Sonke, Chief Operating Officer.

Bottom Line Utility Solutions' approach to this program will be to not only completely fulfill the obligations and goals of this RFP professionally and with a high degree of customer satisfaction but in the timeline desired, or less, and to enhance and augment additional water savings through other water saving measures and other funding sources, as well as provide other energy and gas saving opportunities to Irvine Ranch Water District customers, if Irvine Ranch Water District has the interest. All of our historical direct install contracts performed for single-family, multi-family and commercial, which number in the tens of thousands have been successful in exceeding the customer's expectations. Our professional management team has been praised for its communication, marketing, tracking project management and installations.

Bottom Line Utility Solutions, Inc, its owners and employees accepts and understands the requirements of Irvine Ranch Water District's Request for Proposal and its program requirements.

3 Default Statement

Bottom Line Utility Solutions, Inc has been awarded seven direct install contracts from water and electrical utilities and has never defaulted on any of these contracts.

4 Key Personnel - Irvine Ranch Water District Project

We will use a full team approach to this project to ensure timeliness and quality control and due to the fact that this is a large and critically important project. The team below will be involved in all aspects of the project with weekly meetings and daily huddles to ensure a high sense of urgency and quality control.

Upon notice of the awarded contract; we will call a meeting with the team below as well as our in-house commercial plumbers to explain the details of the program. We will assign responsibilities and create process documents to ensure consistency and quality. The number of installation staff will be determined by the number of qualified customers; we will meet all installation schedules with the appropriate number of installation crews.

Mr. Rob Edelstein, CEO, will focus on the overall development of the project. With over 19-years in the conservation industry, he speaks to the core of conservation's financial and social benefits to ensure successful projects. Rob has extensive marketing background, degrees in marketing, and has the COMMERCIAL first-hand knowledge.

Mr. Steve Dorman, President, has over 23-years of real estate management experience, and, with his additional 15-years in the energy conservation business. In addition, Steve has "key contacts" with the Irvine Co. as he has been their main point of contact for the many toilets installed for them over the past 5 years.

Mr. David Sonke, COO, will focus on the overall operations of the project. He will be responsible for the day to day operational aspects or as **Senior Project Manager** of the Irvine Ranch Water District project; audit review, installation and quality assurance as well as the overall operations of personnel and process validation. As a senior VP of Archstone-Smith for over ten years, Dave ran all maintenance and renovations of over 60,000 apartments nationally and managed dozens of staff to meet company needs nationally. He will bring this experience and knowledge of process to this large and complex direct install program. Dave also carries a GC license so is familiar with all aspects of development and construction.

PRELIMINARY PROGRAM SERVICES

Mr. Jason Vassalotti – Water & Energy Auditor responsible for the following tasks within the program:

1. Water Audits for applicable program measures
2. Upload audit results into database
3. Energy Conservation Educational Meetings if requested



Jason has been performing detailed field audits as well as retrofit recommendations for Bottom Line Utility Solutions, Inc for the past two years.

PROJECT INSTALLATION/MANAGEMENT

Ms. Keri Smith, Project Manager is responsible for the following tasks within the program:

1. Product procurement
2. Scheduling logistics
3. Reporting and Compliance
4. Record Keeping

Keri has more than five years of project management experience for Bottom Line Utility Solutions, Inc and other maintenance/construction firms.

Ms. Araceli Vasquez, Project Coordinator is responsible for the following tasks within the program:

1. Scheduling Pre-Installation Inspections
2. Record Keeping
3. Administrative Assistance
4. Customer Service

Araceli has over ten years experience in customer service and administrative/project assistance.

Mr. Aaron Eversole, Field Project Manager is responsible for the following tasks:

1. Project Field Installation
2. Field Customer Service
3. Field installation forms and acceptance
4. Inventory
5. Delivery and Staging
6. Quality Control
7. Safety

Aaron has been with Bottom Line Utility Solutions, Inc for over six years, working initially in the field as an installer, then crew foreman, and now as Field Project Manager. He has the extensive background and field experience to help manage projects, solve problems, assure field quality work and assure customer satisfaction.

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**Mr. Bruce Beach, Mr. Charles Howard, Mr. Chu Ly, Mr. Kyle McKinney,
Mr. Tommy McDonald, Mr. Ray Morales, Mr. Mark Ross, Mr. Cory Smith**
- field project supervisors and responsible for following tasks:

1. Job Supervisor – runs the crew for the work. For all commercial and multi-family jobs, there will always be one of these supervisors on site.
2. Also will be doing some of the work as all supervisors started as workers so know all aspects of our retrofit work.
3. Customer Interaction and customer service on each job.

Each supervisor worked for Bottom Line Utility Solutions, Inc as an installer for a minimum of one year before promotion to supervisor so they are not only good technical installers, they understand the process, know how to manage the job and have a high level of customer satisfaction for their projects. Almost all of the supervisors have been working for Bottom Line Utility Solutions, Inc for two years or more. We have a seasoned and capable staff.

INVOICE AND REPORTING

Ms. Amber Armenta, General Manager is responsible for the following tasks within the program:

1. General Operations
2. Invoicing
3. Reporting and Compliance redundancy
4. Record Keeping Redundancy
5. Customer Service

Amber has worked as an administrative assistant, contract administrator and manager for Archstone-Smith for many years and Bottom Line Utility Solutions, Inc for two years; she has the corporate background and knowledge in the industry.

5 References

A. Client: Inland Empire Utilities Agency – Water Wholesaler, Chino, Ca.
Contact: Lisa Perales. Water Resources Analyst
6075 Kimball Ave.
Chino, Ca. 91708
909-993-1520

Program: Multi-Family and Single Family Direct Install Program

Overview: Bottom Line Utility Solutions, Inc was awarded this large direct install contract in 2006 for the replacement of 22,500 3.5 GPF toilets for multi-family clients. Due to saturation of multi-family 3.5 GPF toilets after approximately

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18,000 toilets were installed, the program and contract were amended in 2011 to include condos and single family homes. Bottom Line Utility Solutions, Inc has been actively working direct installs for multi-family and now single-family clients throughout the Inland Empire Utilities Agency service areas for almost six years. Customer satisfaction has been near perfect and Inland Empire Utilities Agency and their seven member agencies' satisfaction have also been exceptional.

B. West Basin Municipal Water District - Water Wholesaler, Carson, Ca.
Contact: Gus Meza, Sr. Water Use Efficiency Specialist
17140 S. Avalon Blvd., Ste. 210,
Carson Ca.
310-660-6209

Program: Multi-Family Direct Install Program

Overview: Bottom Line Utility Solutions, Inc had a multi-family direct install contract for West Basin Municipal Water District that was completed in mid-2011. The multi-family contract had a 3000 toilet goal which was nearly fulfilled. Due to market saturation of 3.5 GPF toilets, program included condo retrofits as well as apartment retrofits. Customer satisfaction and retail agency satisfaction (as there were many retail agencies in West Basin service areas) were also very high with no negative projects or installs.

C. West Basin Municipal Water District, Water Wholesaler, Carson, Ca.
Contacts: Elise Goldman, Conservation program Specialist
17140 S. Avalon Blvd., Ste. 210
Carson, Ca.
310-660-6253

Program: Commercial, Industrial & Institutional Direct Install Program

Overview: The Commercial direct install contract was completed in early 2012. The contract "touched" many types of commercial customers including; cities, school districts, commercial buildings, retail sites, nursing homes, industrial parks and even a YMCA. Of particular note, Bottom Line Utility Solutions, Inc was able to secure much larger overall retrofits (including non-direct install items such as urinals) by combining direct install program dollars with "standard" Save a Buck commercial rebates and significant customer co-pays, and retrofitted all inefficient plumbing systems for the City of Torrance (over 400 fixtures) and also for a significant amount of City plumbing for the City of Hermosa Beach. West Basin funds only paid a portion of the overall money needed to retrofit these two projects, yet greater overall water savings were achieved.

- d. Other direct install and rebate programs:**
1. Western Municipal Water District: Recently awarded multi-family direct install program. Approximately 3500 toilets.
 2. Elsinore Valley Municipal Water District: Recently awarded single family direct install program. Approximately 1500 toilets.
 3. City of Oxnard: Verbal award, but still in work to secure multi-family direct install toilet contract. 900 toilets per year for 3 years.

4. West Basin – Commercial Direct Install North Santa Monica Bay: Awarded and in process for 1500 commercial retrofits.
5. SCE: Almost completed a several million dollar SCE direct install lighting contract for multi-family sites.
6. LADWP: Have been rebated over 3 million dollars over the past two years using Save a Buck rebates in the City for multi-family and COMMERCIAL retrofits.

6 Narrative Statements –Understanding the Requirements

Bottom Line Utility Solutions' approach to our client base is to provide a complete water conservation program as well as offer other utility saving solutions where appropriate. Our commitment to conservation is absolute, as it is our core business and our belief that conservation is good for all. However, we are practical about conservation for the end-user, as their interest is primarily reducing cost as well as going "green". This reality must be incorporated into marketing plans to assure that the ultimate goal of conservation is achieved.

We look at the entire breadth of water and energy efficiency opportunities and we integrate all available programs for our clients, not only water saving but electrical and gas saving opportunities. Integration of water conservation services is the core of our company and its business model. When we have marketed in the past to our clients, we review their properties for overall utility savings, and then recommend various water and energy upgrades, but for water conservation, the products and services offered are; plumbing upgrades per scope of this RFP, but also weather-based irrigation controllers, rotator heads, landscape audits and mapping, use of reclaimed water, washing machines replacements, cooling tower retrofits, flow restrictors, spray rinse nozzles and other specialized water retrofits.

The real key to our success and clients hiring Bottom Line Utility Solutions, Inc to continue to do work for many years is our customer service and our high quality employees and their approach to their work. Every individual that works for Bottom Line Utility Solutions, Inc is an employee. Each employee is screened to very high standards and receives on-going and continuous training. Every employee is cross-trained to provide at least, water and lighting retrofits, allowing a "one time" entry of apartments or businesses to do work, so reducing any disturbance to residents or businesses. Every employee is managed by an on-site project manager to assure high customer satisfaction and project status. We track all work so we can easily identify problems and take quick and decisive action. To our knowledge, there are few firms working with 100% employee workers, with the training, management and track record of Bottom Line Utility

Solutions, Inc over the past 12 years. High quality work at very reasonable cost has been our methodology and our key to success. In particular to this Irvine Ranch Water District program, there are two main markets targeted; multi-family and commercial clients. Bottom Line Utility Solutions, Inc has significant and extensive experience in marketing, installation and customer service to both market segments; commercial and multi-family. In addition, Bottom Line Utility Solutions, Inc has unique competitive advantages over other firms in the industry.

COMMERCIAL MARKETS:

Bottom Line Utility Solutions, Inc has provided turnkey installations for numerous commercial clients across the State and has also done extensive work for some of the largest Energy Service Companies (ESCO) in the country; Chevron Energy, Siemens Building Technologies, Johnson Controls, Honeywell and many others. We have completed over 40 large commercial projects including: Fontana School District, San Diego State University, Prescott School District, San Diego County, Kern County, Fresno County, Alameda County, U.S. Post Offices –Oakland, St. Mary's College-Moraga, Cal-State University East Bay, Imperial County Housing Authority, Cal-State University Dominguez Hills, Ft. Irwin Army Base, State of California- San Quentin Prison, Elmwood Jail-Contra Costa County, Los Alamitos Training Base, Inglewood School District, CBS Studios, Chino Prison Complex and many other projects across the western States.

All of our past projects included the same type of plumbing retrofits as detailed in this Irvine Ranch Water District RFP as well as other water conservation retrofits; replacement of tank and commercial flushometer toilets with low flow and HET models, use of waterless or pint urinal technologies, cooling tower retrofits, spray rinse nozzles, weather-based irrigation controllers, rotator sprinkler heads, central irrigation control, flow restrictors, ozone laundry systems, sink and shower replacements and also electronic plumbing controls for correctional facilities.

Our advantage in the commercial market over other firms is two-fold; first, our extensive experience in the installation of all types of commercial plumbing systems. Second, in Irvine Ranch Water District service areas, Bottom Line Utility Solutions, Inc has existing clients and existing relationships with real estate firms. In particular, Bottom Line Utility Solutions, Inc works closely with the largest owner in the City, the Irvine Co. To date we have installed over one million dollars worth of plumbing and lighting retrofits for Irvine Apartment Company. This client and other clients can be approached quickly to participate on the commercial side of the program with their many commercial, industrial and retail sites. Likely the Irvine Co. has enough inventory to allocate a large amount of the retrofits.

We believe we have enough working clients in the commercial markets to quickly and easily reach the toilet and urinal retrofit goals within a few months of contract signing.

MULTI-FAMILY:

The core of Bottom Line Utility Solutions, Inc business and its history is in the multi-family markets. Since 2000, Bottom Line Utility Solutions, Inc estimates that over 150,000 retrofits of various types have been completed for multi-family clients throughout the western States.

Our multi-family client list is a "who's who" of the industry as we have dozens of working accounts in this market. Bottom Line Utility Solutions, Inc has done millions of dollars of work, and still does, with many of the largest firms in the industry. But we also have dozens of small to medium sized multi-family building owners and management firms as clients. In addition, Bottom Line Utility Solutions, Inc has many clients in the senior housing and affordable housing markets. A few examples of Bottom Line Utility Solutions, Inc multi-family client base:

1. Irvine Apartment Communities: Largest apartment owner in the State of California with over 30,000 apartments. Bottom Line Utility Solutions, Inc has been doing on-going plumbing, lighting and other work for this client.
2. Archstone-Smith Communities: One of the largest real estate investment trusts in the country with over 60,000 apartments. Bottom Line Utility Solutions, Inc has done work for this firm for 10 years and includes many large scale plumbing projects.
3. Alliance Residential: One of the largest fee management firms in the country. Bottom Line does on-going utility retrofit work for this firm.
4. Retirement Housing Foundation: Owns 150 large senior properties, mostly in California. Bottom Line Utility Solutions, Inc has done extensive retrofits for over 30 properties to date with on-going work.
5. Abode Communities: Affordable housing firm with 30 properties in the Los Angeles area. Bottom Line Utility Solutions, Inc has replaced many toilets and lighting at this firm's sites.

We believe that we may have enough existing multi-family clients with sites in Irvine Ranch Water District areas to reach the multi-family toilet goal in only a few months.

SUPPLIERS:

Our manufacturers and suppliers are essential to our programs. A full range of tank toilets, commercial toilets and urinals, prison flush and shower control devices, irrigation and gas controls and all the support supplies requires a large amount of staff coordination with a strong and reputable supply chain. Product warranty was extended where necessary and coupled with our labor warranty supported our customer service.

7 Narrative Statements – Methodology

Bottom Line Utility Solutions, Inc has over six years of experience contracting for various water, gas and electric utilities. As indicated, Bottom Line Utility Solutions, Inc has

provided audits, installations, direct mailings, education and extensive customer care and follow-up. We have a very high customer satisfaction record for our client base.

In review of the RFP requirements, Bottom Line Utility Solutions, Inc has years of experience in both market segments for all aspects of the scope of work needed for this RFP. And we already have the facilities and staff to implement the RFP requirements almost "over-night". The RFP requirements are already being done by Bottom Line Utility Solutions, Inc for various parts of other programs we have under contract or as part of our normal way of doing business. There is no need for a significant "learning curve" for Bottom Line Utility Solutions, Inc to implement the RFP. Our understanding of the requirements are in place as we have been doing the same processes for other direct install programs for over six years.

In terms of methodology, the RFP details the scope of the services very clearly and Bottom Line Utility Solutions' goal is to provide the exact details required and requested. As stated, we understand the process of collecting all data required, formatting that data in the requested way and then providing the reporting of that data as requested. Beyond the "nuts and bolts" of the work as described below, Bottom Line Utility Solutions, Inc understands that we represent Irvine Ranch Water District when we enter your customer's homes and businesses and that mentality is part of our company culture and process. Our workers wear "booties" when working in homes and apartments so no dirty shoes affecting the customer's place. Our staff "bag" old toilets immediately so as not to have any dirt or water drip anywhere. So these processes described below are intertwined with a professionalism and customer care with the goal of highly satisfied Irvine Ranch Water District customers.

- Task 1: Program Design:
 - Customer Pre-qualification, Enrollments, Procurement and Installation of:
 - Up to \$400,000 of commercial and multi-family plumbing retrofits.
 - Replace only toilets using more than 1.6 GPF and urinals using more than 1.0 GPF. Pricing in Attachment A, submitted with this RFP response.
 - Showerheads and aerators per scope.
 - ADA retrofits where appropriate.
 - Multi-Family Customers: Work with Irvine Ranch Water District to identify and contact these customers.
 - Commercial Customers: Work with Irvine Ranch Water District to conduct and schedule audits and retrofits per their programs.

- Task 2: Administrative Services:
 - On-call service during normal business hours
 - After hours emergency via project manager
 - Bilingual English/Spanish follow up provided as necessary
 - Phone program introduction and pre-qualifying

- Customer data tracking of every call; qualified or not, per RFP.
 - Scheduling Services Daily and work with Irvine Ranch Water District client to meet their needs.
 - Data Base Reporting Weekly and Live via Google Cloud
- Task 3: Procurement and Physical Distribution Management:
 - Materials purchased and warehoused in adequate time and supply to meet the installation demands
 - Distribution from our warehouse via delivery trucks – our warehouse in Laguna Hills is close to all Irvine Ranch Water District areas.
 - Full factory warranty provided for all materials.
 - Task 4: Pre-Installation Inspections for All Sites:
 - Will confirm static and dynamic pressure.
 - Interview client to confirm any plumbing issues.
 - Verify qualification of retrofit or not.
 - Will note ineligible retrofits as well as eligible retrofits.
 - Task 5: Installations:
 - Professional trained and uniformed commercial plumbing staff
 - Staff goes the “extra mile” so as no dirt, water in Irvine Ranch Water District water customer home or business.
 - Will note “abnormal” work that Irvine Ranch Water District will not pay and if customer agrees to pay. Agree to all language in this section as written.
 - Verify eligibility before replacement of any toilets or urinals.
 - Customer Participation Form: Have several formats from other programs and will offer those for use for this Irvine Ranch Water District program.
 - Clean-up will include removal of old fixtures, trash, old caulking etc. And includes any needed customer training.
 - Task 6: Recycling:
 - Recycling shall be bulk with our current recycling firm certifying minimum of 50% bulk recycling.
 - If higher percentage recycling is required; additional fees will be passed through

- Will provide documentation per RFP requirements.
- Task 7: Program Tracking, Reporting and Billing:
 - Customer data tracking of every call; qualified or not
 - Scheduling Services Daily
 - Data Base Reporting Weekly and Live via Google Cloud
 - Billing and back up documentation
 - Acknowledge and accept inspection policy
 - Weekly Project report: Will be provided per RFP requirement.
- Task 8: Contract Extension:
 - Acknowledge extension process.
- Task 9: Billing:
 - Acknowledge billing process per RFP to include submittal of Customer Participation Form, Recycling proof, potential inspections of call to customer, and costing per Attachment A, Exhibit 2.

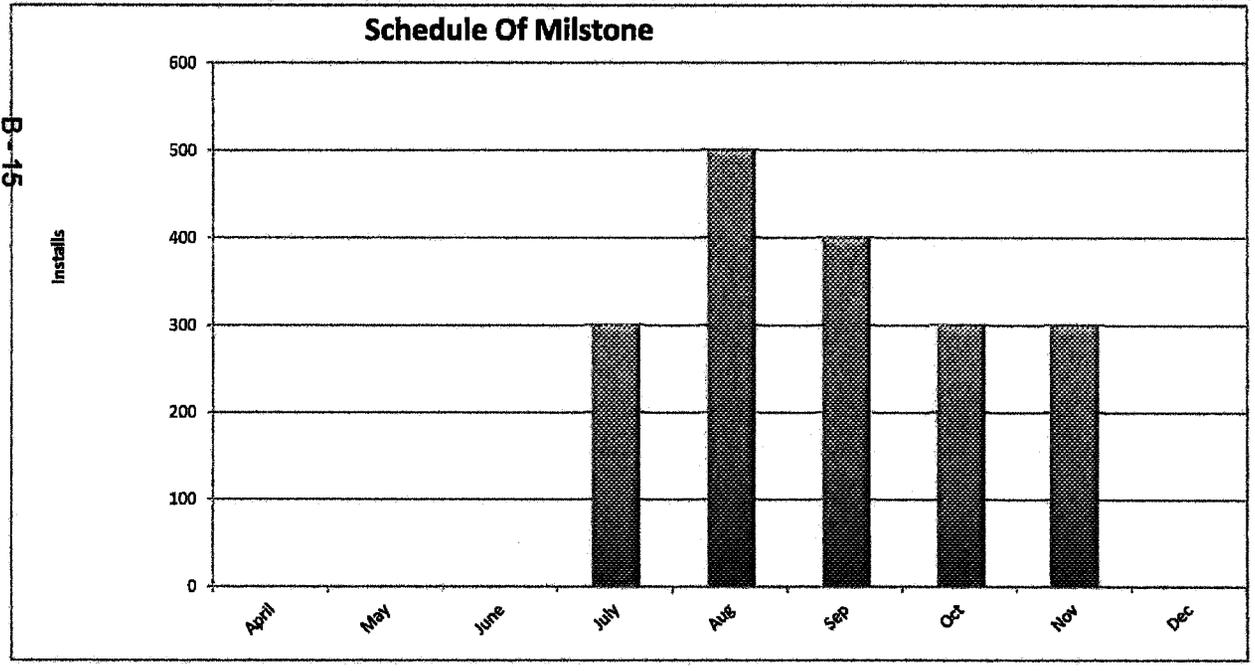
The two main issues beyond the precise listed processes for surveys and work described in the RFP are how we respond with Irvine Ranch Water District customers as well as with Irvine Ranch Water District staff.

In responding to Irvine Ranch Water District customers, we understand the high importance of customer satisfaction and our goal is 100% success and client satisfaction. For the many thousands of retrofits we have done and utility projects we have implemented in the past 12 years, we have a near "perfect" record of customer satisfaction. Where issues have occurred from work that Bottom Line Utility Solutions, Inc has done, we have strived to provide 24 hour response and correction to the issues without question. As stated earlier, the process here is assurance of accurate and timely completion of the water fixture installations. Each component is considered vital to the overall experience of the Irvine Ranch Water District customer and is treated with that in mind.

In responding to Irvine Ranch Water District staff, we take a similar attitude of providing the best customer care possible to meet Irvine Ranch Water District needs. We have always been very responsive to requests, changes to scope, and going that "extra mile" for our utility clients. Our goal is to create a long-term relationship based on mutual trust and respect of our respective capabilities. We will respond to Irvine Ranch Water District requests with program success for all involved being the benchmark.

Proposed Schedule for Irvine Ranch Water District Multi-Family High Efficiency Direct Install Program
 Updated: PROJECTED

Bottom Line Utility Solutions Actions	2012												2013											
	April	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec			
Contract Award Notice																								
Contract Amendments and Execution																								
Development of Reporting Spreadsheets																								
Marketing Material Developed and Approved																								
Program Marketing Begins																								
Installations Begin																								
GRANT REPORTING to IRWD																								
PROGRAM COMPLETE																								
ESTIMATED Installation Totals by Month	-	-	-	300	500	400	300	300	0	0	0	0	0	0	0	0	0	0	0	0	0			
Running Total of Program Installs by Quarter				1,200			600			0														
ESTIMATED TOTAL INSTALLS	1,800																							
Percentage Completion of Total Program	100%																							



SCHEDULE OF CHARGES FOR SERVICES FOR IRVINE VALLEY WATER DISTRICT



PRICE PER INSTALLATION
(INCLUDES EQUIPMENT, INSTALLATION, TAXES AND ANY ADDITIONAL FEES)

	COST EACH	MaP SCORE
Tank-Style High Efficiency Toilet Make and Model: Niagara Stealth .8 GPF	\$ 266.61	600
High-Efficiency Flush Valve Toilet Make and Model: ZURN - Z5615.258	\$ 379.21	N/A
High-Efficiency Dual Flush Valve ONLY Make and Model: ZURN - Z6000AV-1-DF	\$ 336.65	N/A
ADA Tank Toilet Make and Model: Niagara Stealth .8 GPF	\$ 284.73	600
	COST EACH	GPF
Urinal Retrofit Make and Model: ZURN VALVE ONLY - ZZ6003AV-EWS .5	\$ 134.03	0.5
Urinal Flush-Valve Retrofit Make and Model: ZURN RETROFIT KIT - P6000-EUA-EWS	\$ 91.45	0.5
Toilet Seats - BEMIS	COST PER UNIT	
	\$ 19.29	
	COST EACH	GPM
Showerhead Make and Model: Niagara Earth	\$ 13.91	1.5
Faucet Aerator Make and Model: Niagara 3205	\$ 3.40	0.5
Faucet Flow Restrictor Make and Model: Neoperl	\$ 1.64	0.5

Device	Price Per Install (product & labor)
Tank Toilet (1.28)	238.81
ADA Tank Toilet (1.28)	248.81
Faucet Flow Restrictors (See below)	17.22

May be needed for commercial applications

Applicable for use in medical facilities

Neoperl Laminar Care Guard 1.5 GPM Anti Microbial
 Neoperl Laminar Care Guard 1.0 GPM NON-Anti Microbial



As of 6/5/12

