
PUBLIC HEARING

Next Resolution No. 2011-32

4. DETACH PARCELS AND ADOPT PLAN OF WORKS FOR IMPROVEMENT DISTRICT 256

Recommendation: That the hearing be continued to Monday, August 8, 2011 the next Board of Directors' meeting.

CONSENT CALENDAR

Items 5-12

5. MINUTES OF REGULAR BOARD MEETINGS

Recommendation: That the minutes of the July 11, 2011 Regular Board Meeting be approved as presented.

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

Recommendation: Ratify/approve the meetings and events for Steven LaMar, Mary Aileen Matheis, Doug Reinhart, Peer Swan, and John Withers as delineated above.

7. DISTRICT STRATEGIC MEASURES DASHBOARDS

Recommendation: That the Board receive and file the Strategic Measures Dashboards and Information items.

8. JUNE 2011 FINANCIAL REPORTS

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report and the Monthly Interest Rate Swap Summary for June 2011; approve the June 2011 Summary of Wire Transfers and ACH payments in the total amount of \$1,382,933.49; and approve the June 2011 Warrants Nos. 320542 through 321389, workers' compensation distributions and voided checks in the total amount of \$25,894,587.84.

9. MANNING WATER TREATMENT PLANT UPGRADES PROJECT BUDGET INCREASE AND FINAL ACCEPTANCE

Recommendation: That the Board authorize a budget increase of \$157,500, from \$810,700 to \$968,200 for project 11161 (1381); approve an Expenditure Authorization for the same amount; and authorize filing of a Notice of Completion and the payment of the retention 35 days after the date of recording the Notice of Completion for the Manning Water Treatment Plant Upgrades project 11161 (1381).

CONSENT CALENDAR	Next Resolution No. 2011-32	Items 5-12
10.	<u>PLANNING AREA 39 PHASE 1 – SUPPLEMENTAL REIMBURSEMENT AGREEMENT</u>	
	<p>Recommendation: That the Board authorize a budget increase for project 20445 (1662) in the amount of \$434,500, from \$276,100 to \$710,600; approve an Expenditure Authorization for project 20445 (1662) for \$710,600; and authorize the General Manager to execute a Supplemental Reimbursement Agreement with ICDC for design and construction of capital facilities for the Planning Area 39, Phase I Development.</p>	
11.	<u>STOCKDALE WEST RANCH PILOT PROJECT CONTRACT CHANGE ORDER NO. 1</u>	
	<p>Recommendation: That the Board authorize the General Manager to execute Contract Change Order No. 1 with Wood Brothers in the amount of \$44,021.25.</p>	
12.	<u>WASTEWATER OPERATIONS FISCAL YEAR 2011-12 EXPENDITURE AUTHORIZATION</u>	
	<p>Recommendation: That the Board approve Expenditure Authorizations for projects 11526 (1688), 21526 (1313), 31526 (1311); for \$60,000 each; project 11505 (1598) for \$42,900; project 11534 (1682), 21534 (1322), 31534 (1428); for \$46,000, \$46,600 and \$40,000 respectively; projects 11512 (1613), 21012 (1274), 30350 (1747); for \$80,000, \$65,000 and \$65,000 respectively; projects 11517 (1636), 21517 (1260), 31517 (1374); for \$16,500, \$11,000 and \$11,000 respectively; projects 11541 (1074), 21541 (1342), 31541 (1439); for \$20,000, \$22,000 and \$15,000 respectively; project 11572 (1235) for \$58,000; project 11573 (1240) for \$58,000; projects 11547 (1098), 21547 (1378); 31547 (1456); for \$33,000, \$22,000 and \$33,000 respectively; projects 11552 (1127), 21552 (1397), 31552 (1476); for \$25,000, \$22,000 and \$25,000 respectively; project 20922 (1175) for \$201,500; project 20943 (1194) for \$165,000; project 20949 (1211) for \$75,900; project 20968 (1232) for \$60,000; project 21002 (1255) for \$62,000; project 20916 (1160) for \$52,000; project 20909 (1142) for \$182,500; and project 21101 (1700) for \$200,200.</p>	

ACTION CALENDAR

13. SETTING CONNECTION FEES AND PROPERTY TAXES FOR FISCAL YEAR 2010/11

Recommendation: That the Board approve a 9.5% increase in connection fees and adjustments to some ad valorem property tax rates and adopt two resolutions: 1) rescinding Resolution 2011-25 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, recycled water and natural treatment system service and exhibits thereto; and 2) establishing ad valorem tax revenues for Fiscal Year 2011/12.

Reso No. 2011-

Reso No. 2011-

14. 2011 STATE LEGISLATIVE UPDATE

Recommendation: That the Board adopt an Oppose position on SB 294 (Padilla).

15. WELLS 21 AND 22 DESALTER CONTRACT CHANGE ORDER NO. 4

Recommendation: That the Board approve an Expenditure Authorization in the amount of \$1,298,900 for project 10286, and approve Contract Change Order No. 4, in the amount of \$1,236,037, to Pascal & Ludwig Constructors for the Wells 21 and 22 Desalter, project 10286 (1081).

16. ORANGE PARK ACRES TRANSMISSION PIPELINE PROJECT CONTRACT CHANGE ORDER NO. 12

Recommendation: That the Board approve Contract Change Order No. 12 with Leatherwood Construction, Inc. in the amount of \$312,939 for the Orange Park Acres Transmission Pipeline, project 11408 (1279).

17. BAKER WATER TREATMENT PLANT DESIGN VARIANCE NO. 4

Recommendation: That the Board authorize the General Manager to execute Variance No. 4, in the amount of \$710,096, with RBF Consulting for the Baker Water Treatment Plant, project 11218 (1417).

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

Recommendation: That the Board approve Contract Change Order No. 43 to construct biosolids pipelines in the amount of \$1,132,283.71, with J. R. Filanc Construction Company for the MWRP Phase 2 Expansion project 20214 (1599) and 30214 (1706); and approve an Expenditure Authorization in the amount of \$1,384,000 for MWRP Biosolids and Energy Recovery Facilities, project 20847 (1617).

OTHER BUSINESS

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

19. A. General Manager's Report

B. Directors' Comments

1)

2)

3)

4)

5)

C. **CLOSED SESSION** with Legal counsel relative to existing litigation – Government Code Section 54956.9(a) – SEMA Construction vs. the City of Tustin and City of Tustin vs. IRWD.

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.

July 25, 2011
Prepared by: Cheryl Carter
Submitted by: Debby Cherney
Approved by: Paul Cook



PUBLIC HEARING

SEWER TAXES IN THE NEWPORT NORTH SERVICE AREA

SUMMARY:

On June 27, 2011, the Board adopted Rates and Charges for Fiscal Year 2011-12, which included monthly sewer charges of \$16.90 for a residential single family home and \$12.70 per unit for multiple family dwelling units. The Newport North customers will have the same rate, but the method of collection differs in that they pay their sewer fees on an annual basis by means of the County tax rolls.

By adoption of Resolution No. 1987-45, the Board of Directors elected to have sewer charges for certain parcels of land located in the Newport North area collected on the tax roll together with the District's general taxes. That resolution directs the filing of a report containing a description of these parcels and the corresponding charges for each fiscal year. Staff recommends that the Board conduct a public hearing on the report, as has been done annually since 1987, in compliance with the requirements of the Health and Safety Code of the State of California. The District Secretary has noticed the public hearing to hear objections or protests to the report, if any.

OUTLINE OF PROCEEDINGS

- President: Declare this to be the time and place for a hearing on the sewer taxes in the Newport North area, and declare the hearing open. Ask the Secretary how the hearing was noticed.
- Secretary: The report was filed with the Secretary on July 5, 2011 and notice of the filing of the report and the time and place of this hearing was published in the Orange Coast Daily Pilot on July 9 and July 16, 2011. A notice was also posted in the District office on July 5, 2011.
- Board: RECOMMENDED MOTION: "RECEIVE AND FILE THE AFFIDAVIT OF POSTING AND THE PROOF OF PUBLICATION PRESENTED BY THE SECRETARY."
- President: Request Legal Counsel to describe the nature of the proceedings.
- Legal
Counsel: Describe the proceedings.
- President: Inquire of the Secretary whether there have been any written communications.

President: Inquire whether there is anyone present who wishes to address the Board regarding the proposed collection of sewer charges on the tax roll.

President: 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. 2011 -

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT ADOPTING
SEWER TAXES IN THE NEWPORT NORTH SERVICE AREA

FISCAL IMPACTS:

The sewer rates charged in Newport North are the same as any other area within the District, and therefore will be set at the equivalent of \$16.90 per month for residential single family home and \$12.70 per month for multiple family dwelling units for a total FY 2010-11 assessment of \$202.80 or \$152.40. Only the means of collection is different for the customers in Newport North.

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.

FISCAL IMPACTS:

None.

COMMITTEE STATUS:

This is a routine annual item for Board consideration and was not reviewed by a Committee.

LIST OF EXHIBITS:

Exhibit "A" – Resolution

Exhibit "A"

RESOLUTION NO. 2011-

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT ADOPTING REPORT OF SEWER CHARGES TO BE COLLECTED ON TAX ROLL

WHEREAS, by Resolution No. 1987-45 adopted August 10, 1987, the Board of Directors of Irvine Ranch Water District ("IRWD") elected to have sewer charges for certain parcels collected on the tax roll each year in the same manner, by the same persons, and at the same time as, together with and not separately from, its general taxes, pursuant to Section 5473 et seq. of the California Health and Safety Code; and

WHEREAS, pursuant to said Resolution, a report has been filed with the Secretary containing a description of such parcels and the corresponding charges for fiscal year 2011-12 and notice was given as required by law of a hearing on the report to be held on Monday, the 25th day of July, 2011, at the hour of 5:00 p.m. of said day (or as soon thereafter as is reasonably practicable) in the Board of Directors meeting room of IRWD, 15600 Sand Canyon Avenue, Irvine, California; 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 report and to submit any objections or protests to the report.

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

Section 1. The Board of Directors hereby determines that protests to the report were not made by the owners of a majority of separate parcels of property described in the report.

Section 2. The Board of Directors hereby adopts the report containing a description of the parcels for which charges for sewer service shall be collected on the tax roll and containing the amount of the charges for each parcel for the fiscal year 2011-12, computed in conformity with the schedule of rates and charges adopted by Resolution No. 2011-25. The report is attached as Exhibit "A" and incorporated herein by this reference. Each charge set forth in Exhibit "A" is hereby determined to be adopted.

Section 3. The Secretary is hereby authorized and directed to endorse on the report a statement that the report was adopted by this Board on July 25, 2011, and to take whatever other action is required by the Auditor of the County of Orange in regard thereto.

Section 4. The Secretary is hereby authorized and directed to file a copy of such report with the Auditor of the County of Orange.

APPROVED, SIGNED and ADOPTED this 25th day of July, 2011.

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

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

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

By _____

ORANGE COUNTY SPECIAL ASSESSMENT REPORT

PARCEL NUMBER	ASSESSMENT AMOUNT								
42734202	202.80	44204208	86,868.00	44204210	202.80	44205210	304.80	44205401	202.80
44205402	202.80	44205403	202.80	44205404	202.80	44205405	202.80	44205406	202.80
44205407	202.80	44205408	202.80	44205409	202.80	44205410	202.80	44205411	202.80
44205412	202.80	44205413	202.80	44205414	202.80	44205415	202.80	44205416	202.80
44205417	202.80	44205418	202.80	44205419	202.80	44205420	202.80	44205421	202.80
44205422	202.80	44205423	202.80	44205424	202.80	44205425	202.80	44205426	202.80
44205427	202.80	44205428	202.80	44205429	202.80	44205430	202.80	44205431	202.80
44205432	202.80	44205433	202.80	44205434	202.80	44205435	202.80	44205436	202.80
44205437	202.80	44205438	202.80	44205439	202.80	44205440	202.80	44205441	202.80
44205442	202.80	44205443	202.80	44205444	202.80	44205445	202.80	44205446	202.80
44205447	202.80	44205448	202.80	44205449	202.80	44205450	202.80	44205451	202.80
44205452	202.80	44205453	202.80	44205454	202.80	44205455	202.80	44205456	202.80
44205457	202.80	44205458	202.80	44205459	202.80	44205460	202.80	44205461	202.80
44205501	202.80	44205502	202.80	44205503	202.80	44205504	202.80	44205505	202.80
44205506	202.80	44205507	202.80	44205508	202.80	44205509	202.80	44205510	202.80
44205511	202.80	44205512	202.80	44205513	202.80	44205514	202.80	44205515	202.80
44205516	202.80	44205517	202.80	44205518	202.80	44205519	202.80	44205520	202.80
44205521	202.80	44205522	202.80	44205523	202.80	44205524	202.80	44205525	202.80
44205526	202.80	44205527	202.80	44205528	202.80	44205529	202.80	44205530	202.80
44205531	202.80	44205532	202.80	44205533	202.80	44205534	202.80	44205535	202.80
44205536	202.80	44205537	202.80	44205538	202.80	44205539	202.80	44205540	202.80
44205541	202.80	44205542	202.80	44205543	202.80	44205544	202.80	44205545	202.80
44205546	202.80	44205547	202.80	44205548	202.80	44205549	202.80	44205550	202.80
44205551	202.80	44205552	202.80	44205553	202.80	44205554	202.80	44205555	202.80
44205556	202.80	44205557	202.80	44205601	202.80	44205602	202.80	44205603	202.80
44205604	202.80	44205605	202.80	44205606	202.80	44205607	202.80	44205608	202.80

ORANGE COUNTY SPECIAL ASSESSMENT REPORT

PARCEL NUMBER	ASSESSMENT AMOUNT						
93180708	202.80	93180709	202.80	93180710	202.80	93180711	202.80
93180713	202.80	93180714	202.80	93180715	202.80	93180716	202.80
93180718	202.80	93180719	202.80	93180720	202.80	93180721	202.80
93180723	202.80	93180724	202.80	93180725	202.80	93180726	202.80
93180728	202.80	93180729	202.80	93180730	202.80	93180731	202.80
93180733	202.80					93180732	202.80

July 25, 2011

Prepared by: M. Hoolihan

Submitted by: Greg Heiertz

Approved by: Paul Cook



PUBLIC HEARING

DETACH PARCELS AND ADOPT PLAN OF WORKS FOR IMPROVEMENT DISTRICT 256

SUMMARY:

Irvine Ranch Water District's Sewer Improvement District (ID) No. 256 was formed concurrently with the annexation of the former Orange Park Acres (OPA) Mutual Water Company into IRWD. The ID No. 256 boundary was coincident with the area annexed to IRWD. Many properties within this area currently have sewer service; connection fees for these properties have already been paid to the Orange County Sanitation District (OCSD). Other properties within this area are connected to the City of Orange's sewer system.

In order for the community to vote on the General Obligation (GO) bond authorization for the proposed sewer system and exclude properties already connected to a sewer system from the ID's debt service obligation, the properties already connected to a sewer system will require detachment from ID 256. A Plan of Works (POW) must also be adopted prior to submitting the bond proposition to an election. On July 11, 2011, the IRWD Board adopted a resolution indicating its intent to detach these parcels from ID 256 and its intent to adopt the POW. The adoption of these resolutions established July 25, 2011 as the public hearing date for the detachment and POW adoption. Staff recommends that the Board continue the hearing to the August 8, 2011 Board meeting to allow for discussion of the OPA sewer plan at the next OPA Ad-hoc Committee meeting.

BACKGROUND:

In March 2008, the area of OPA within the IRWD service area that was not already a part of OCSD was annexed into OCSD Revenue Area 14. In June 2008, IRWD consolidated with the OPA Mutual Water Company and annexed this area into IRWD. As part of the annexation process, IRWD agreed to complete a sewer plan to provide sewer service to this area, and then present the plan to the affected community for its consideration. In October 2009, a Sub-Area Master Plan (SAMP) was completed that identified the necessary components for providing sewer service to the OPA community. The sewer plan, as recommended by the SAMP, has been presented to the OPA community in a number of meetings, including two public outreach meetings. To finance the proposed sewer, a General Obligation (GO) bond authorization election in the OPA community has been proposed for November 2011. In advance of this election, the IRWD Board will need to adopt the detachment resolutions and the POW.

Concurrent with the annexation of the OPA Mutual Water Company in June 2008, Sewer ID No. 256 was formed. Its boundary was coincident with the area being annexed to IRWD. Subsequently, certain properties within the ID have been identified as already being connected into the OCSD sewer system or the City of Orange sewer system. In order for the community to vote on the GO bond authorization for the proposed sewer system and exclude properties already

connected to a sewer system from the ID's debt service obligation, the properties already connected to a sewer system will require detachment from ID 256.

In order to facilitate the GO bond authorization election, a POW was completed that includes an estimate of the total all-in cost for constructing the sewer plan at \$16.5 million. The bond authorization request as presented in the POW represents the construction cost, inflation, 20% construction contingencies, and bond administrative fees.

Next Steps:

Staff recommends that this public hearing be delayed until the August 8, 2011 Board Meeting. Along with providing an opportunity to review the POW, staff is requesting a meeting with the OPA Ad-hoc Committee to review the results of the polling effort conducted to assess the community's support for constructing the sewer system.

FISCAL IMPACTS:

It is anticipated that general obligation debt will be issued in increments required to fund implementation of the POW. District staff will recommend, on an annual basis beginning in Fiscal Year 2012-13, appropriate levels of property taxes to meet annual debt service in ID 256. The cost related to the detachment is estimated at \$3,000, which includes legal, administrative and processing fees for the County of Orange and the State Board of Equalization.

ENVIRONMENTAL COMPLIANCE:

This item is categorically exempt from CEQA (categorical exemption Class 20) as a project consisting of changes in organization of local agencies not changing the area in which existing powers are exercised, under the California Environmental Quality Act Code of Regulations, Title 14, Article 19, Section 15320.

COMMITTEE STATUS:

This item has not been reviewed by a committee. Staff proposes to submit this item for discussion with the OPA Ad-hoc Committee at its next meeting.

RECOMMENDATION:

THAT THE HEARING BE CONTINUED TO THE NEXT IRWD BOARD OF DIRECTORS MEETING ON AUGUST 8, 2011.

LIST OF EXHIBITS:

None.

July 25, 2011
Prepared and
Submitted by: L. Bonkowski
Approved by: P. Cook 

CONSENT CALENDAR

MINUTES OF REGULAR BOARD MEETING

SUMMARY:

Provided are the minutes of the July 11, 2011 Regular Board Meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE JULY 11, 2011 REGULAR BOARD MEETING APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – July 11, 2011 Regular Board Meeting

EXHIBIT "A"

MINUTES OF REGULAR MEETING – JULY 11, 2011

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President LaMar on July 11, 2011 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

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

Directors Absent: None

Also Present: General Manager Jones, Assistant General Manager Cook, Director of Engineering Burton, Secretary Bonkowski, Treasurer Jacobson, Legal Counsel Arneson, Director of Operations Pedersen, Director of Water Resources Heiertz, Director of Public Affairs Beeman, Ms. Shannon Reed, Director of Human Resources Wells, Mr. Christopher Smithson, Ms. Kirsten McLaughlin, Ms. Fiona Sanchez, Ms. Cheryl Kelly, Mr. Mike Hoolihan, Mr. Dean Kirk, Mr. Sat Tamaribuchi, Mr. Jim Reed, Mr. Bruce Newell, and other members of the public and staff.

WRITTEN COMMUNICATION: None.

ORAL COMMUNICATION:

Mrs. Joan Irvine Smith's assistant addressed the Board of Directors with respect to the Dyer Road Wellfield. She said it was her understanding that currently wells C-8 and C-9 will operate in accordance with the District's annual pumping plan. Wells, 1, 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17 and 18 will be off. The District's currently planned pumping for July is 2,560 AF. This was confirmed by Mr. Jones, General Manager of the District.

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

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. Jones.

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

General Manager Jones reported that an item came to staff's attention after the agenda was posted in regard to a conference with legal counsel relative to existing litigation - Government Code Section 54956.9(a) – SEMA Construction vs. the City of Tustin and City of Tustin vs. IRWD. On MOTION by Matheis, seconded and unanimously carried, IT WAS DETERMINED THAT THERE IS A NEED TO TAKE IMMEDIATE ACTION ON THIS ITEM, AND IT WAS ADDED TO THE AGENDA AS A CLOSED SESSION ITEM UNDER OTHER BUSINESS (see page 8).

PRESENTATION

RESOLUTION OF COMMENDATION FOR PAUL D. JONES II

President LaMar presented Paul Jones a Resolution of Commendation for his dedicated and exemplary service to the District over the past 12 years as General Manager. On MOTION by Matheis, seconded and unanimously carried, THE FOLLOWING RESOLUTION WAS ADOPTED BY TITLE:

RESOLUTION NO. 2011-27

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT COMMENDING PAUL D. JONES II FOR HIS DEDICATED AND EXEMPLARY SERVICE TO THE DISTRICT

Mr. Jones was presented a resolution signed by Senator Tom Harmon from the California State Legislature.

Director Matheis provided a farewell to Mr. Jones as follows:

I pondered some to find the perfect word to say good bye. Good luck, god speed to our dear friend Paul. It is difficult to see someone you truly like and admire move out of your sphere of influence and almost daily contact. Then I struck upon a theme that I thought might work.

As the mother of seven, I have had occasions to consider these same thoughts, not only to find the right words, but to settle the anxiety in my heart. I have refused to let my

colleagues on the Board refer to me in any way as Mother (unless they would add the appellation "Mother Superior", which whose of you who have attended Convent Schools know has a totally different connotation). So I use this analogy very carefully.

As Paul moves on to bigger areas and increased duties, it is very similar to how one feels as a child goes into the world and leaves the family home. When a child arrives in your home, you know from the very beginning he or she is only there for a space of time. At times it may seem like forever, but in truth the days and weeks and years fly by so swiftly. Suddenly, he or she is no longer a little one – who you watched and nurtured and prayed over, no more excitement as projects get accomplished, no more concerns about if he or she is trying too hard or working too hard, getting too exhausted studying, playing and of course partying. Every day and every year the individual becomes more and more competent. More experienced and more effective in everything he or she does.

So it has been with Paul. He arrived here eager, excited, I think, and ready to do all we asked him to do and more than we asked. He implemented our visions, he conceived and developed his own visions for IRWD and convinced us of the value in each new venture. He developed good relationships with our fellow agencies and smoothed out differences, and was persuasive in bringing IRWD projects forward with the cooperation of many throughout the state. He represented IRWD superbly in testimony at the State Legislature and convinced both staff and the elected representatives of the worth of our proposed legislation. His success in that arena is outstanding. His service on ACWA Committees as a leader, and WateReuse, both state-wide and nationally, has not only brought worthy recognition to himself, but to IRWD.

Paul's ability to meet the Washington scene directly and indirectly has been demonstrated to the success we have enjoyed in receiving grants and project awards to fulfill our needs to advance water recycling and innovative conservation methods.

We are deeply indebted to his 12 plus years of service and dedication, and we now must say our goodbyes. However, I cannot say that word goodbye as we use it daily, God be with you, in its true meaning might be right; however, what I really want really to say is farewell.

Yes farewell Paul. We will miss you, but we know the time has come. Farewell Paul Jones, and remember we will always treasure your service.

Director Withers said that serving with Mr. Jones had been a great experience and appreciated his service to the District.

Mr. Jones was honored by the Board with a plaque marking the District's 50 years of service to the community as a key partner for his 12 years of support, guidance and commitment to excellence in service.

WORKSHOP

SETTING CONNECTION FEES AND PROPERTY TAXES FOR FY 2011-12

General Manager Jones reported that each year the Board considers connection fees and property tax rates, and makes adjustments as a result of changing assumptions and capital needs. For FY 2010-11, the Board adopted a connection fee increase of 9.5% without making any changes to commercial and industrial fees; there were no changes to the ad valorem property tax rates.

Using a PowerPoint presentation, Mr. Christopher Smithson reviewed the schedule where this item was reviewed at a Board workshop on June 27; a Finance and Personnel Committee meeting on July 5, and a Stakeholders meeting on July 7. He said that at the Committee meeting discussion was held regarding alternatives, including a 9.5% year-over-year increase (approximately \$319 per dwelling unit). He said the Committee requested specific information about impacts to developers and homeowners in various Improvement Districts. Additionally, he said that staff was asked to submit an item in the future relative to capital allocations, Los Alisos water rate parity, and additional modeling on the 50/50 split between connection fees and property taxes. Mr. Smithson said that at the July 7 Stakeholders meeting, the attendees: 1) identified concern about the pace of the economic recovery particularly in the commercial/industrial sector; 2) voiced general support for a 5% increase, although the commercial/industrial sector prefers no increase again; and 3) were interested in future modeling participation.

Mr. Smithson reviewed impacts by various Improvement Districts along with residential and commercial connection fees proposed for IRWD compared to June 30, 2010. Following discussion, Director Swan said that this item had been reviewed by the Finance and Personnel Committee on two occasions and he identified several questions for staff's follow-up.

Mr. Peter Herzog of the NAIOP (commercial real estate) said he attended the Stakeholders meeting and believes the current economic conditions could not support a 9.5 percent increase for commercial/industrial properties.

CONSENT CALENDAR

On MOTION by Matheis, seconded and unanimously carried, CONSENT CALENDAR ITEMS 5 THROUGH 10 WERE APPROVED AS FOLLOWS:

5. MINUTES OF REGULAR BOARD MEETINGS

Recommendation: That the minutes of the June 27, 2011 Regular Board Meeting and the June 30, 2011 Adjourned Regular Board meeting be approved as presented.

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

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

CONSENT CALENDAR (Continued)

7. DISCOVERY SCIENCE CENTER ANNUAL REPORT

Recommendation: Receive and file.

8. SELF-INSURED WORKERS' COMPENSATION COVERAGE

Recommendation: That the Board authorize staff to renew the District's Self-insured Workers' Compensation coverage with the California State Association of Counties (CSAC) Excess Insurance Authority, bind coverage with CSAC at the \$125,000 self-insured retention level for a total anticipated annual premium of \$271,561, and renew the third-party administrator contract with York Insurance Services for an annual fee of \$28,314.

9. REVISED PERSONNEL POLICIES AND PROCEDURES

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

RESOLUTION NO. 2011-28

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH
WATER DISTRICT, RESCINDING RESOLUTION NO. 2011-8
AND ESTABLISHING REVISED PERSONNEL POLICIES
(FOR POLICY NOS. 2, 6, 8, 9, 11, 12, 13, 14, 16, 18, 19, 23,
32, 33, 34, 39, 44, 46, AND 50)

10. PORTOLA PIPELINES FINAL ACCEPTANCE

Recommendation: That the Board authorize a budget increase of \$45,000, from \$5,006,200 to \$5,052,000, for project 10782; approve Expenditure Authorizations in the amounts of \$173,600 for project 10782; \$121,000 for project 30276; and \$124,300 for project 30782; authorize filing of a Notice of Completion; and authorize the payment of the retention 35 days after the date of recording the Notice of Completion for the Portola Pipelines, projects 10782 (1854), 30276 (1752) and 30782 (1294).

ACTION CALENDAR

WELLS 21 AND 22 WELLHEAD FACILITIES - CONSTRUCTION AWARD

General Manager Jones reported that Wells 21 and 22 Wellhead Facilities Project will equip both wells with a submersible pump in a vault, provide on-site mechanical and electrical facilities, and perform site enhancements per City of Tustin coordination. The finished well sites will provide raw water for the Wells 21 and 22 Design-Build Desalter Plant currently being constructed by Pascal & Ludwig via the untreated water pipeline currently being constructed by Flatiron West.

Director of Engineering Burton reported that the Wellhead Facilities Project was advertised to a select list of nine contractors and that the bid opening was held with seven of the nine contractors submitting bids including F.T. Ziebarth Company, Gateway Pacific Contractors, Inc. (Gateway), Olsson Construction, Pacific Hydrotech, Paulus Engineering, Inc., Schuler Engineering Corp., and SS Mechanical Corp. Caliagua, Inc. and W.M. Lyles Co. did not submit. Mr. Burton said that the initial apparent low bidder was Gateway with a total bid of \$2,148,694. The engineer's estimate was \$2,888,000. He said after review of Gateway's bid documents, staff determined the bid had irregularities in the Statements by Bidder Section B, Items and Manufacturers. Gateway did not list manufacturers as required for specific items, providing only the names of the distributors and sub-contractors. Staff reviewed this information with legal counsel and determined that there was not a factual basis to support a finding that these irregularities cannot have affected the amount of the bid and did not afford Gateway a competitive advantage over the other bidders. Failing to list manufacturers for many of the components listed provides the contractor the ability to price equipment that is not reflective of the requirements in the specifications. He said that staff determined that the irregularities in Gateway's bid cannot be waived and, therefore, Gateway's bid was deemed non-responsive. The next lowest bid was provided by F.T. Ziebarth Company with a total bid of \$2,183,700. Staff reviewed F.T. Ziebarth Company's bid documents and found them to be in conformance with the bid proposal requirements.

On MOTION by Matheis, seconded and unanimously carried, THE BOARD APPROVED AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$2,293,200 FOR PROJECT 10286; AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH F.T. ZIEBARTH COMPANY IN THE AMOUNT OF \$2,183,700 FOR THE WELLS 21 AND 22 WELLHEAD FACILITIES, PROJECT 10286 (1081).

UNIVERSITY OF CALIFORNIA, IRVINE STUDENT HOUSING - WATER USE EFFICIENCY PILOT PROGRAM

General Manager Jones said that staff is proposing to conduct a pilot program to upgrade toilets, showerheads and faucets with the latest high-efficiency devices in cooperation with the University of California, Irvine (UCI) Student Housing. Mr. Jones said that UCI Student Housing is very interested in participating in the pilot, and subject to finalization of the scope, would need to proceed with the project beginning in July 2011 in order to complete the proposed work over the summer months. The proposed pilot program would yield an estimated water savings of up to 249 acre feet over the 10-year life of the project, and provide significant cost savings to IRWD. The pilot program is estimated to cost up to \$111,600 with an avoided cost to IRWD of \$318,995, based on combined water and wastewater savings.

Director Matheis reported that this item was reviewed and approved by the Water Resources Policy and Communications Committee on July 7, 2011. On MOTION by Matheis, seconded and unanimously carried, THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE THE AGREEMENT WITH UNIVERSITY OF CALIFORNIA, IRVINE AND NIAGARA TO PROVIDE UP TO \$111,600, FOR INSTALLATION OF HIGH EFFICIENCY TOILETS, SHOWERHEADS AND FAUCET AERATORS IN UP TO 558 HOUSING UNITS SUBJECT TO NON-SUBSTANTIVE CHANGES BY LEGAL COUNSEL, AND AUTHORIZED THE INCREASE OF UP TO \$111,600 TO THE FY 2011-12 OPERATING

BUDGET TO FUND THE WATER USE EFFICIENCY PILOT PROGRAM USING UNDESIGNATED OVER-ALLOCATION REVENUES.

NOTICE OF INTENT TO DETACH PARCELS AND ADOPT PLAN OF WORKS FOR IMPROVEMENT DISTRICT 256

General Manager Jones reported that Sewer Improvement District (ID) No. 256 was formed concurrently with the consolidation of the area of the former Orange Park Acres Mutual Water Company into the Irvine Ranch Water District. Mr. Jones said that there are many properties within this area that currently have sewer service and for which connection fees to Orange County Sanitation District have been paid.

Mr. Jones said that a plan for connecting the remaining properties into a community sewer system has been presented to the Orange Park Acres community. In order for the community to vote on the General Obligation bond authorization for the proposed sewer system, the properties already connected to a sewer system will require detachment from ID 256 and adoption of a Plan of Works. Adoption of the two resolutions will establish July 25, 2011 as the public hearing date for the detachment and POW adoption.

On MOTION by Reinhart, seconded and unanimously carried, THE BOARD ADOPTED THE FOLLOWING RESOLUTIONS BY TITLE:

RESOLUTION NO. 2011-29

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE IRVINE RANCH WATER DISTRICT DECLARING ITS INTENTION TO DETACH
TERRITORY
FROM IMPROVEMENT DISTRICT NO. 256**

RESOLUTION NO. 2011-30

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE
IRVINE RANCH WATER DISTRICT DECLARING ITS
INTENTION TO ADOPT A PLAN OF WORKS
FOR IMPROVEMENT DISTRICT NO. 256**

GENERAL MANAGER'S REPORT

Mr. Jones reported that he had been working with the Orange County Sanitation District (OCSD) staff relative to additional temporary wastewater flows where the high flows will be processed during the night with reduced flows during the day. He said that OCSD is supportive of this method, and staff will be preparing a Memorandum of Understanding with them.

DIRECTORS' COMMENTS

Director Swan said he enjoyed the time with Mr. Jones and wished him all of the best in his new position. Both Directors Withers and Reinhart agreed with Director Matheis' comments made earlier in the meeting.

CLOSED SESSION

Director LaMar said that the following Closed Sessions would be held this evening: 1) PUBLIC EMPLOYEE APPOINTMENT/EMPLOYMENT (Government Code §54957). Titles: General Manager, Director of Water Quality, Water Quality Manager, Chief Plant Operator, Operator III and Operations Manager; and 2) conference with legal counsel relative to existing litigation - Government Code Section 54956.9(a) – Government Code Section 54956.9(a) – SEMA Construction vs. the City of Tustin and City of Tustin vs. IRWD.

OPEN SESSION

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED

General Manager Jones reported that an item came to staff's attention after the agenda was posted in regard to the resolution establishing revised schedule of positions and salary rate ranges. On MOTION by Matheis, seconded and unanimously carried, IT WAS DETERMINED THAT THERE IS A NEED TO TAKE IMMEDIATE ACTION ON THIS ITEM AND IT WAS ADDED TO THE AGENDA AS AN ACTION CALENDAR ITEM.

ACTION CALENDAR (CONTINUED)

REORGANIZATION UPDATE FOR FISCAL YEAR 2011-12

On MOTION by Matheis, seconded and unanimously carried, THE BOARD APPROVED THE PROPOSED CHANGES IN THE DISTRICT'S BUDGETED POSITIONS IN THE FY 2011-12 OPERATING BUDGET; APPROVED THE SALARY GRADE SCHEDULE CHANGES EFFECTIVE AUGUST 1, 2011, AND ADOPTED THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2011-31

RESOLUTION OF THE BOARD OF DIRECTORS
OF THE IRVINE RANCH WATER DISTRICT RESCINDING
RESOLUTION NO. 2011-14 AND ESTABLISHING
REVISED SCHEDULE OF POSITIONS AND SALARY RATE RANGES

ADJOURNMENT

There being no further business, Director LaMar adjourned the meeting.

APPROVED and SIGNED this 25th day of July, 2011.

President, IRVINE RANCH WATER DISTRICT

Secretary, IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Legal Counsel - Bowie, Arneson, Wiles & Giannone

July 25, 2011

Prepared and

Submitted by: N. Savedra 

Approved by: P. Cook 

CONSENT CALENDAR

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

SUMMARY:

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

Events/Meetings

Steven LaMar

7/21/11 Monthly meeting with Interim General Manager regarding District activities

Mary Aileen Matheis

7/21/11 MWDOC Water Policy Forum
7/26-28/11 Congressional Group Meeting, Washington, D.C.
8/17/11 ACWA's 2011 Regulatory Summit
8/24-26/11 Urban Water Institute's Annual Conference, San Diego, CA

Doug Reinhart

7/22/11 Meeting with Larry McKenney of SAWPA
7/28/11 Southern California Water Committee Quarterly Meeting
8/24-26/11 Urban Water Institute's Annual Conference, San Diego, CA

Peer Swan

7/19/11 WACO Planning Committee Meeting
8/10-13/11 CASA Annual Conference, San Diego, CA

John Withers

7/28/11 Southern California Water Committee Quarterly Meeting

RECOMMENDATION:

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

LIST OF EXHIBITS:

None

July 25, 2011

Prepared and Submitted by: Various

Approved by: Paul Cook



CONSENT CALENDAR

STRATEGIC MEASURES DASHBOARD

SUMMARY:

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

RECOMMENDATION:

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

EXHIBITS:

Exhibit "A" – Strategic Measures Dashboard

Exhibit "B" – Dyer Road Wellfield Status

Exhibit "C" – Reservoir Data

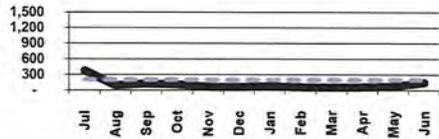
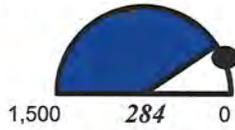
IRVINE RANCH WATER DISTRICT STRATEGIC MEASURES DASHBOARD

June 2011

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

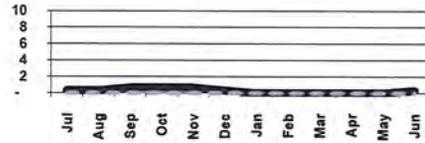
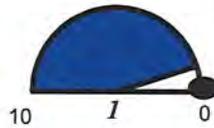
Reliability-Potable/Nonpotable

Target = 200 customer hours out of service this month



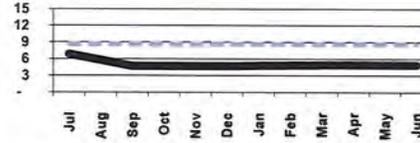
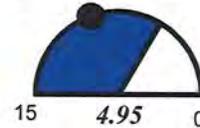
Sewer Spills

Target = 0 Spills this month



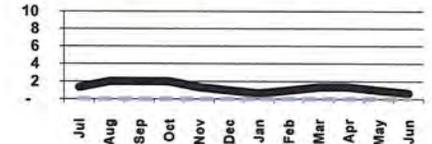
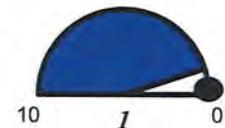
OCSD CORF Flows

Target = 8.80 MGD
CORF flow to OCSD this month



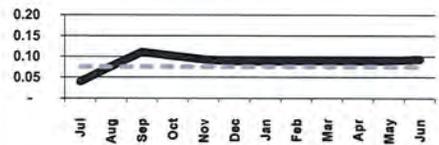
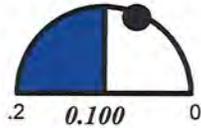
OSHA Recordables

Target = 0 reportable accidents this month



MWRP Energy Cost per kWh

Target = .0792 cost per kWh this month



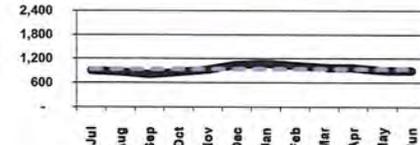
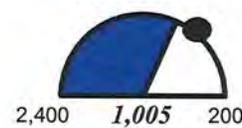
Wastewater Cost

Target = \$2,378/MG processed this month



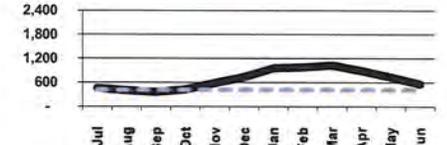
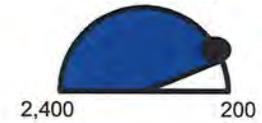
Water System Cost--Potable

Target = \$944/ac-ft delivered this month



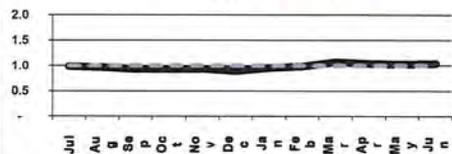
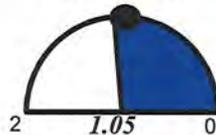
Water System Cost--Nonpotable

Target = \$414/ac-ft delivered this month



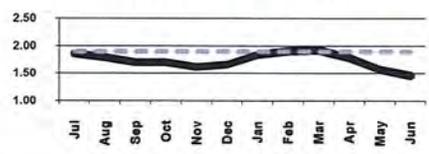
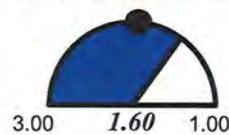
Enterprise Return

Target = 1.0 (net income/goal) last month



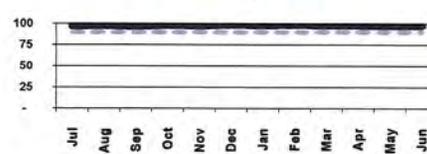
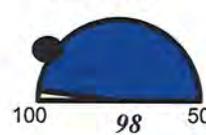
Overhead Ratio

Target = 1.95 (G&A expenses/direct labor) this month



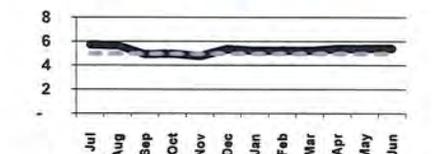
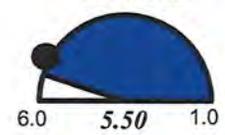
Customer Satisfaction

Target = 90% satisfaction this month



Employee Satisfaction

Target = 5.0 score this month



● Target shown on gauge
00.00 Figure for Current Month

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

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Reliability-Potable/Nonpotable

MONTHLY STATUS REPORT

Metric Owner: Water Ops

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> July 2010
July 2010	106.10		<i>Thru:</i> June 2011
August 2010	184.00		<i>Goal:</i> 200.00
September 2010	95.80		
October 2010	57.80		
November 2010	65.83		
December 2010	69.17		
January 2011	103.20		
February 2011	20.33		
March 2011	59.22		
April 2011	120.60		
May 2011	45.68		
June 2011	283.80		

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, 2010 - Newport Coast Lift Station, 12" PVC forcemain failure. 26,725 gals SSO with 5850 gals of wastewater contained and recovered. Caused by pipe structural failure.
2. September, 2010 - Irvine, 8" VCP. 100 gals SSO with 100% gals of wastewater contained and recovered. Caused by root intrusion.
3. October, 2010 - Irvine, 8" VCP. 200 gals SSO with 100% of wastewater contained and recovered. Caused by root intrusion.
4. June, 2011 - MWRP MPS-3 Forcemain Pigging Operation, debris blockage occurred at the termination point of the 18" MPS-3 forcemain during pigging operation due to large volumes of debris accumulation. 250 gals SSO with 250 gals of wastewater contained and recovered.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> July 2010
July 2010	1.00		<i>Thru:</i> June 2011
August 2010	0		<i>Goal:</i> 0
September 2010	1.00		
October 2010	1.00		
November 2010	0		
December 2010	0		
January 2011	0		
February 2011	0		
March 2011	0		
April 2011	0		
May 2011	0		
June 2011	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> July 2010
July 2010	4.68		<i>Thru:</i> June 2011
August 2010	4.68		<i>Goal:</i> 8.62
September 2010	4.69		
October 2010	4.68		
November 2010	4.70		
December 2010	4.78		
January 2011	4.91		
February 2011	4.92		
March 2011	4.92		
April 2011	4.92		
May 2011	4.93		
June 2011	4.95		

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. Senior Equipment Mechanic sustained laceration to tip of left index finger when bolt broke on locking mechanism and mechanism fell on left hand.

MONTHLY DATA

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

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

MWRP Energy Cost per kWh

MONTHLY STATUS REPORT

Metric Owner: Wayne Posey

Director of Wastewater Operations

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> July 2010
July 2010	.12		<i>Thru:</i> June 2011
August 2010	.11		<i>Goal:</i> .08
September 2010	.10		
October 2010	.09		
November 2010	.09		
December 2010	.09		
January 2011	.09		
February 2011	.09		
March 2011	.09		
April 2011	.09		
May 2011	.09		
June 2011	.10		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Wastewater Cost

MONTHLY STATUS REPORT

Metric Owner: Wayne Posey

Director of Wastewater Operations

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. The District received an adjustment from OCSD for bio-solids disposal in the month of June.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> July 2010
July 2010	1,821.00	2,340.00	<i>Thru:</i> June 2011
August 2010	1,982.00	2,339.00	<i>Goal:</i> 2,378.00
September 2010	2,169.00	2,362.00	
October 2010	2,167.00	2,356.00	
November 2010	2,206.00	2,363.00	
December 2010	2,183.00	2,358.00	
January 2011	2,155.00	2,355.00	
February 2011	2,492.00	2,380.00	
March 2011	2,277.00	2,375.00	
April 2011	2,297.00	2,378.00	
May 2011	2,143.23	2,375.00	
June 2011	1,973.19	2,378.00	

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> July 2010
July 2010	701.23	880.40	<i>Thru:</i> June 2011
August 2010	906.37	814.86	<i>Goal:</i> 944.00
September 2010	834.75	837.90	
October 2010	857.34	868.51	
November 2010	1,109.19	862.36	
December 2010	1,172.08	878.12	
January 2011	957.53	902.95	
February 2011	937.62	903.89	
March 2011	1,031.46	897.43	
April 2011	951.24	873.74	
May 2011	728.69	920.18	
June 2011	1,005.05	943.89	

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>	From: July 2010
July 2010	326.47	383.34	Thru: June 2011
August 2010	376.24	397.83	Goal: 414.00
September 2010	393.78	405.18	
October 2010	508.51	473.71	
November 2010	840.22	547.10	
December 2010	854.69	597.27	
January 2011	1,186.35	722.95	
February 2011	905.02	607.02	
March 2011	1,000.90	707.32	
April 2011	777.61	563.92	
May 2011	424.12	452.90	
June 2011	471.96	413.85	

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 June measure is above budget at 1.05. The two apartment complexes posted good returns. Waterworks Way continues to operate under budget; however 230 Commerce is in line with budget at this time.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> July 2010
July 2010	.97		<i>Thru:</i> June 2011
August 2010	.93		<i>Goal:</i> 1.00
September 2010	.89		
October 2010	.98		
November 2010	.94		
December 2010	.76		
January 2011	1.17		
February 2011	1.04		
March 2011	1.02		
April 2011	1.06		
May 2011	1.02		
June 2011	1.05		

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> July 2010
July 2010	1.59		<i>Thru:</i> June 2011
August 2010	1.79		<i>Goal:</i> 1.90
September 2010	1.73		
October 2010	1.58		
November 2010	1.54		
December 2010	1.87		
January 2011	2.13		
February 2011	1.72		
March 2011	1.92		
April 2011	1.72		
May 2011	1.06		
June 2011	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

- I. Total Overall Satisfaction: 98%
Satisfaction: 97%
Timely: 99%
Phone: 95%
Field Contact: 100%

MONTHLY DATA

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

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. 6 surveys were returned of 16 surveys sent (38%). 5 of 16 respondents (83%) rated satisfaction as 5 or 6 on a scale of 1 to 6. In the 12 month period ending June 2011, 108 surveys have been returned of 291 surveys sent (37%). 94 of 108 respondents (87%) rated satisfaction as 5 or 6 on a scale of 1 to 6. 12 month average rating is 5.25%.

MONTHLY DATA

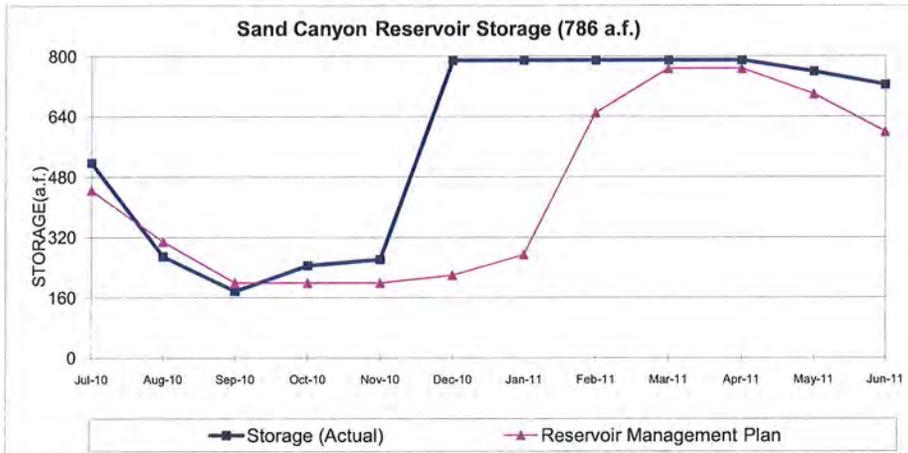
<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> July 2010
July 2010	5.23		<i>Thru:</i> June 2011
August 2010	5.75		<i>Goal:</i> 5.00
September 2010	3.86		
October 2010	5.38		
November 2010	5.13		
December 2010	5.56		
January 2011	5.00		
February 2011	5.20		
March 2011	5.50		
April 2011	5.46		
May 2011	5.33		
June 2011	5.50		

EXHIBIT "B"

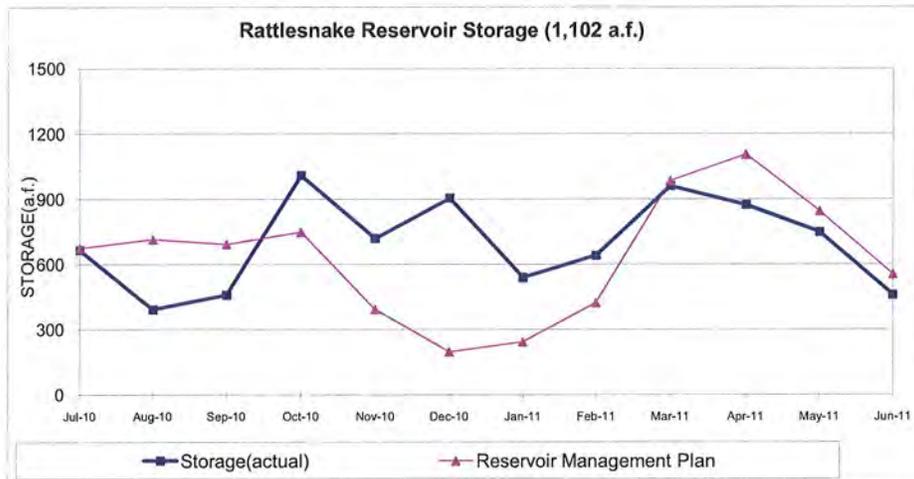
DYER ROAD WELL FIELD STATUS							Jun-2011
Well Number	Production Mo./YTD	Ref. Point Elevation	Depth to Water 6/30/2011	Water Level-MSL	Depth of Bowls	Bowl Setting-MSL	Feet of Water Above Intake
1	0.0 AF 541.6 AF	34	N/A	N/A	270	-236	N/A
				Static			
2	1.2 AF 1,611.7 AF	37	64	-28	270	-234	206
				Static			
3	0.0 AF 1.9 AF	55	84	-29	215	-160	131
				Static			
4	0.0 AF 1,273.4 AF	38	66	-28	216	-178	150
				Static			
5	0.0 AF 1,232.6 AF	48	75	-27	290	-242	215
				Static			
6	0.0 AF 668.5 AF	43	71	-28	250	-207	179
				Static			
7	1.0 AF 843.9 AF	40	67	-27	290	-250	223
				Static			
C-8 DATS	416.5 AF 4,617.3 AF	37	116	-79	305	-268	189
				pumping			
C-9 DATS	314.0 AF 3,464.6 AF	23	118	-95	305	-282	187
				pumping			
10	66.6 AF 3,082.9 AF	47	66	-19	250	-203	184
				Static			
11	0.0 AF 856.5 AF	40	66	-26	300	-260	234
				Static			
12	0.0 AF 1,530.1 AF	51	70	-19	300	-249	230
				Static			
13	0.0 AF 367.2 AF	40	62	-22	300	-260	238
				Static			
14	0.0 AF 868.0 AF	47	67	-20	311	-264	244
				Static			
15	72.8 AF 3,337.9 AF	44	64	-20	300	-256	236
				Static			
16	0.0 AF 767.9 AF	47	67	-20	280	-233	213
				Static			
17	0.0 AF 2,442.2 AF	52	70	-19	250	-199	180
				Static			
18	0.0 AF 1,222.3 AF	45	66	-21	300	-255	234
				Static			
Clear production: 141.6 AF for the month							
FYTD: 20,697.9 AF							
DATS production: 730.5 AF for the month							
FYTD: 8,081.9 AF							

EXHIBIT "C"

RESERVOIR DATA FY 10-11

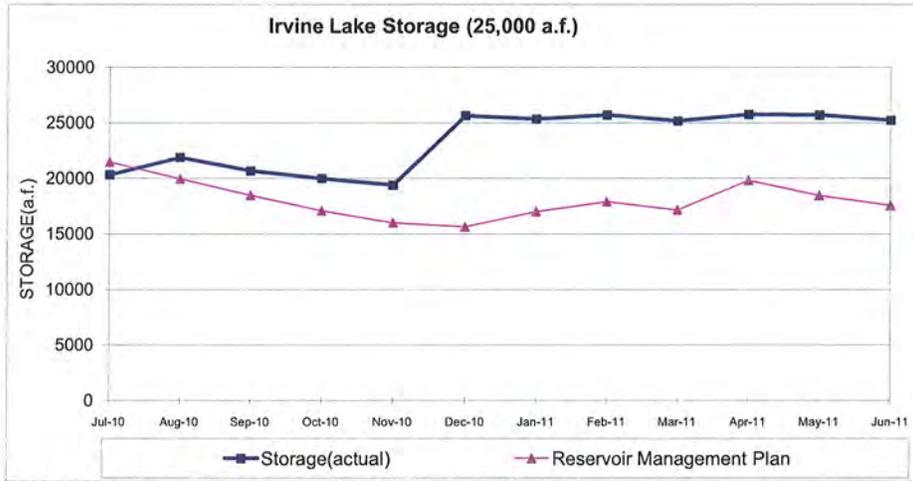


Storage was under 200 AF by October 1 as required by Regional Board permit. Sand Canyon will draft down over the next few months.

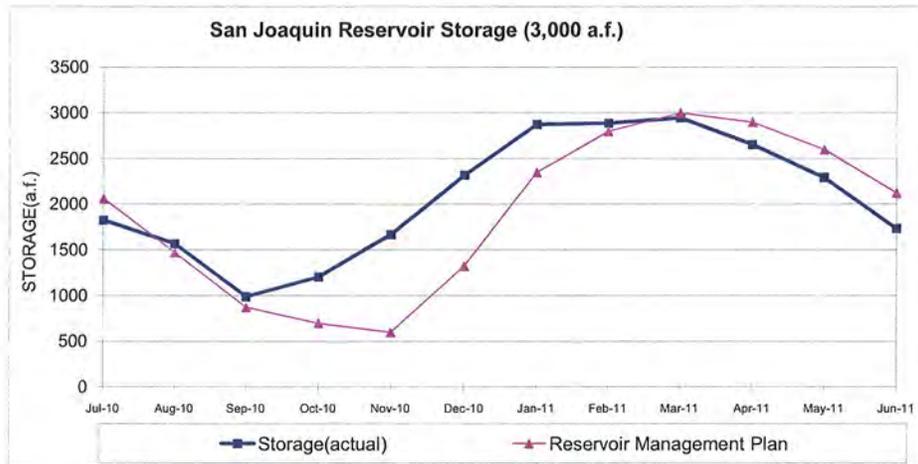


Rattlesnake storage is on track after responding to storms in December and January.

RESERVOIR DATA FY 10-11



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



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

July 25, 2011

Prepared by: Fournier/Jacobson

Submitted by: Debby Cherney

Approved by: Paul Cook 

CONSENT CALENDAR

JUNE 2011 FINANCIAL REPORTS

SUMMARY:

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

- A. The Investment Summary Report for June 2011. This Investment Summary Report is in conformity with the 2011 Investment Policy and provides sufficient liquidity to meet estimated expenditures during the next six months, as outlined in Exhibit "A".
- B. The Monthly Interest Rate Swap Summary as of June 30, 2011, as outlined in Exhibit "B".
- C. The June 30, 2011 Summary of Payroll Direct Deposit ACH payments in the total amount of \$1,382,933.49, as outlined in Exhibit "C".
- D. The June 2011 tabulation of Warrant Nos. 320542 through 321389, Workers' Compensation distributions, payroll withholding distributions, wire transfers and voided checks in the total amount of \$25,894,587.84, as outlined in Exhibit "D".

FISCAL IMPACTS:

As of June 30, 2011, the book value of the investment portfolio was \$418,578,603 with a 0.52% rate of return and a market value of \$419,076,338. Based on the District's June 30, 2011 quarterly real estate investment rate of return of 9.25% the District's weighted average return for the fixed income and real estate investments was 1.68%.

As of June 30, 2011, the total notional amount of the interest rate swap portfolio was \$130 million of fixed payer swaps. Cash flow in June from all swaps was negative \$602,082 and negative \$7,390,863 fiscal year to date.

Wire transfers, ACH payments, and checks issued for debt service, accounts payable, payroll and water purchases for June totaled \$27,277,521.33.

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 JUNE 2011; APPROVE THE JUNE 2011 SUMMARY OF PAYROLL DIRECT DEPOSIT ACH PAYMENTS IN THE TOTAL AMOUNT OF \$1,382,933.49; AND APPROVE THE JUNE 2011 WARRANTS NOS. 320542 THROUGH 321389, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$25,894,587.84.

LIST OF EXHIBITS:

- Exhibit "A" - Investment Summary Report
- Exhibit "B" - Monthly Interest Rate Swap Summary
- Exhibit "C" - Monthly Summary of Payroll Direct Deposit ACH Transfers
- Exhibit "D" - Tabulation of Warrants and Wire Transfers

IRVINE RANCH WATER DISTRICT
SUMMARY OF MATURITIES
06/30/11

PORTFOLIO \$418,578,603

DATE	TOTAL	%	LAIF	AGENCIES	MUNI	MONEY MARKET SAVINGS & SWEEP	Collateral * Deposit
7/11	\$323,578,603	77.30%	\$231,286,634		80,180,000	4,768,303	\$7,343,667
8/11							
9/11							
10/11							
11/11	\$5,000,000	1.19%		5,000,000			
12/11							
1/12							
2/12							
3/12							
4/12							
5/12							
6/12							
SUB-TOTAL	\$328,578,603	78.50%	\$231,286,634	5,000,000	80,180,000	4,768,303	\$7,343,667
33 Months 3 YEARS							
7/1/2012 - 9/30/2012							
10/1/2012 - 12/31/2012	\$10,000,000	2.39%		10,000,000			
1/1/2013 - 3/31/2013	\$25,000,000	5.97%		25,000,000			
4/1/2013 - 6/30/2013	\$20,000,000	4.78%		20,000,000			
7/1/2013 - 9/30/2013	\$5,000,000	1.19%		5,000,000			
10/1/2013 - 12/31/2013							
1/1/2014 - 3/31/2014	\$5,000,000	1.19%		5,000,000			
4/1/2014 - 6/30/2014	\$25,000,000	5.97%		25,000,000			
TOTALS	\$418,578,603	100.00%	\$231,286,634	95,000,000	80,180,000	4,768,303	\$7,343,667
% OF PORTFOLIO			55.26%	22.70%	19.16%	1.14%	1.75%

* Return of posted collateral is dependant on interest rates.

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT
INVESTMENT ACTIVITY
 Jun-11

MATURITIES/SALES

PURCHASES

DATE	SECURITY TYPE	PAR	YIELD	DATE	SECURITY TYPE	PAR	YIELD
6/1/2011	VRDO - Orange Cty Water Due 6/1/2011	\$5,000,000	0.20%	6/1/2011	VRDO - Orange Cty Water Due 8/1/2042	\$5,000,000	0.14%
6/1/2011	VRDO - Chino Basin Due 6/1/2011	\$340,000	0.20%	6/27/2011	FFCB Note Due 6/27/2014	\$10,000,000	1.05%
6/1/2011	VRDO - East Bay MUD Due 6/1/2011	\$400,000	0.21%	6/27/2011	FHLB Note Due 9/27/2013	\$5,000,000	0.70%
6/23/2011	FHLB Note Due 6/23/2011	\$5,000,000	0.75%	6/29/2011	FNMA Note Due 4/29/2014	\$5,000,000	1.12%
6/28/2011	CA ST-RANS-A2	\$10,000,000	1.75%				
6/28/2011	FNMA Note Due 6/28/2011	\$5,000,000	0.88%				
6/30/2011	VRDO - Met Wtr Dist Due 6/30/2011	\$2,300,000	0.40%				

LAIF ACTIVITY

06/06/11	LAIF	(\$1,000,000)
06/07/11	LAIF	(\$4,000,000)
06/08/11	LAIF	(\$1,000,000)
06/23/11	LAIF	\$4,000,000
06/27/11	LAIF	(\$9,000,000)
06/27/11	LAIF-JPA	(\$3,000,000)
06/28/11	LAIF	\$9,000,000
06/28/11	LAIF-JPA	\$3,000,000
	Increase/(Decrease)	<u>(\$2,000,000)</u>

COLLATERALIZED DEPOSIT ACTIVITY

Balance Forward	\$5,159,813
CITIGROUP	<u>\$2,183,854</u>
Balance at 6/30	<u>\$7,343,667</u>

IRVINE RANCH WATER DISTRICT
 INVESTMENT SUMMARY REPORT

Joint Powers Agency - Investment Contracts

6/30/2011

Settlement Date	JPA Issue	Investment Contract	Original Cost	Current Par	Market Value 06/30/11
10/25/1994	JPA - Issue #1	AIG Matched Funding Corp. 7.705% Due 2-15-14	\$ 407,878,616	\$ 306,642,500	\$ 269,002,300
10/25/1994	JPA - Issue #2	Federal National Mortgage Assoc. 8.18% Due 2-15-14	\$ 518,644,189	\$ 393,672,138	\$ 462,084,482
			<u>\$ 926,522,805</u>	<u>\$ 700,314,638</u>	<u>\$ 731,086,782</u>

Irvine Ranch Water District
 Summary of Real Estate
 6/30/2011

	ACQUISITION DATE	PROPERTY TYPE	OWNERSHIP INTEREST	ORIGINAL COST	RATE OF RETURN QUARTER ENDED Jun-11
Sycamore Canyon	Dec-92	Apartments	Fee Simple	43,550,810	11.23%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	8.47%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	5,739,845	4.94%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	8,630,577	2.69%
				<u>\$ 63,921,232</u>	<u>9.25%</u>

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

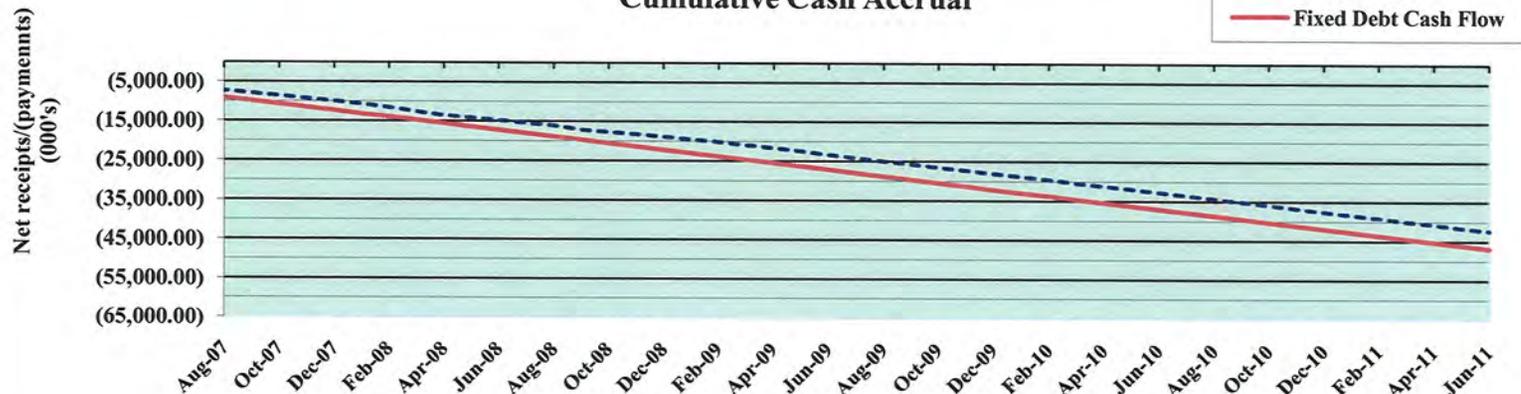
LIBOR Avg %	Prior Mo. 0.20%	Current Mo. 0.20%	12-Mo Avg 0.25%
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Current Fiscal Year Active Swaps								Cash Flow				(Since 6/06)	Mark to Market		Ttl Rtn to Dt
Effective Date	Maturity Date	Years to Maturity	Counter Party	Notional Amt	Type	Base Index	Fixed Rate	Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Current Mark to Market	Unrealized Gain/(Loss)	Net Gain/(Loss)	
Fixed Payer Swaps - By Effective Date															
6/4/2006	6/4/2019	7.9	ML	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (109,701)	\$ (96,671)	\$ (1,187,018)	\$ (3,851,590)	\$ 15,098,893	\$ (4,901,107)	\$ (8,752,697)	
6/4/2006	6/4/2019	7.9	CG	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (109,701)	\$ (96,671)	(1,187,018)	(3,851,590)	15,019,252	(4,980,748)	(8,832,338)	
6/17/2006	6/17/2019	8.0	CG	\$ 30,000,000	FXP	LIBOR	6.140%	\$ (163,133)	\$ (143,584)	(1,763,151)	(5,698,186)	22,712,908	(7,287,092)	(12,985,278)	
3/10/2007	3/10/2029	17.7	ML	\$ 30,000,000	FXP	LIBOR	5.687%	\$ (150,548)	\$ (132,578)	(1,626,838)	(4,920,534)	22,482,080	(7,517,920)	(12,438,454)	
3/10/2007	3/10/2029	17.7	CG	\$ 30,000,000	FXP	LIBOR	5.687%	\$ (150,548)	\$ (132,578)	(1,626,838)	(4,920,534)	22,033,156	(7,966,844)	(12,887,378)	
Totals/Weighted Avgs				\$ 130,000,000			5.949%	\$ (683,631)	\$ (602,082)	\$ (7,390,863)	\$ (23,242,435)	\$ 97,346,289	\$ (32,653,711)	\$ (55,896,146)	
Total Current Year Active Swaps				\$ 130,000,000				\$ (683,631)	\$ (602,082)	\$ (7,390,863)	\$ (23,242,435)	\$ 97,346,289	\$ (32,653,711)	\$ (55,896,146)	

Current Fiscal Year Terminated Swaps								Cash Flow				Mark to Market		Ttl Rtn to Dt	
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	Unrealized Gain/(Loss)	Net Gain/(Loss)	
Total Current Year Terminated Swaps								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Current Fiscal Year - Total Swaps								Cash Flow				Mark to Market		Ttl Rtn to Dt
Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Current Mark to Market	Unrealized Gain/(Loss)	Net Gain/(Loss)								
\$ (683,631)	\$ (602,082)	\$ (7,390,863)	\$ (23,242,435)	\$ 97,346,289	\$ (32,653,711)	\$ (55,896,146)								

**Interest Rate Swap Portfolio
Cumulative Cash Accrual**



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt	
Cash Flow to Date	
Synthetic Fixed =	\$42,350,746
Fixed Rate =	\$46,843,872
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 PAYROLL ACH PAYMENTS

JUNE
2011

DATE	AMOUNT	VENDOR	PURPOSE
7/8/2011	690,564.30	BANK OF AMERICA	PAYROLL 7/8/10
7/23/2011	<u>692,369.19</u>	BANK OF AMERICA	PAYROLL 7/23/10
	<u><u>1,382,933.49</u></u>		

Exhibit "D"

IRVINE RANCH WATER DISTRICT
Accounts Payable Report to Treasury
Accounting Period 6/1/2011 through 6/30/11

Check No.	Date	Vendor	Amount	
320542	1-Jun-11	ADS LLC	2,582.00	
320543	1-Jun-11	AIRGAS-WEST, INC.	395.85	
320544	1-Jun-11	AQUACRAFT INC	84,795.88	VOID
320545	1-Jun-11	AT&T	1,613.33	
320546	1-Jun-11	AT&T INTERNET	1,183.47	
320547	1-Jun-11	AT&T INTERNET	1,124.00	
320548	1-Jun-11	BARNES GROUP INC	160.58	
320549	1-Jun-11	BELL PIPE & SUPPLY	166.04	
320550	1-Jun-11	BIOMAGIC INC	2,131.22	
320551	1-Jun-11	BOWIE, ARNESON,	239,778.40	
320552	1-Jun-11	BRENNTAG PACIFIC	13,486.28	
320553	1-Jun-11	CALIFORNIA BARRICADE INC	2,165.00	
320554	1-Jun-11	CDW GOVERNMENT LLC	119.19	
320555	1-Jun-11	CITY OF LAKE FOREST	25,417.60	
320556	1-Jun-11	COASTAL TRAFFIC SYSTEMS, INC	1,150.00	
320557	1-Jun-11	CREDENTIAL CHECK	14.00	
320558	1-Jun-11	D & H WATER	7,292.75	
320559	1-Jun-11	DJ NELSON & SON	471.88	
320560	1-Jun-11	DUDEK	40,384.13	
320561	1-Jun-11	ELABRA INC	2,078.69	
320562	1-Jun-11	ELECTRICAL SYSTEMS ENGINEERING	9,500.00	
320563	1-Jun-11	ENVIRON	3,351.19	
320564	1-Jun-11	ENVIRONMENTAL RESOURCE	334.83	
320565	1-Jun-11	EVERGREEN OIL INC	330.00	
320566	1-Jun-11	FARRELL & ASSOCIATES	463.88	
320567	1-Jun-11	FEDEX	1,339.74	
320568	1-Jun-11	FISHER SCIENTIFIC	3,124.89	
320569	1-Jun-11	FITCH, INC.	14,000.00	
320570	1-Jun-01	GATEWAY PACIFIC CONTRACTORS	174,577.50	
320571	1-Jun-11	GATEWAY PACIFIC CONTRACTORS	19,397.50	
320572	1-Jun-11	GRAINGER	317.43	
320573	1-Jun-11	H2O INNOVATION USA	7,100.00	
320574	1-Jun-11	HACH COMPANY	1,771.58	
320575	1-Jun-11	HALCYON ELECTRIC	163,459.35	
320576	1-Jun-11	HARRINGTON INDUSTRIAL PLASTICS	127.98	
320577	1-Jun-11	HEARTLAND BUSINESS CREDIT CORP	628.58	
320578	1-Jun-11	HILL BROTHERS	718.14	
320579	1-Jun-11	HOME DEPOT USA INC	15.15	
320580	1-Jun-11	IRVINE PIPE & SUPPLY	1,208.15	
320581	1-Jun-11	KONECRANES INC	750.00	
320582	1-Jun-11	LEE & SAKAHARA	234.81	
320583	1-Jun-11	LEWIS OPERATING	2,850.00	
320584	1-Jun-11	MARVIN GARDENS LLC	1,341.14	
320585	1-Jun-11	MC MASTER CARR	231.84	
320586	1-Jun-11	MERCHANTS	1,700.00	VOID
320587	1-Jun-11	MOBILE MODULAR	1,119.03	
320588	1-Jun-11	MR CRANE INC	1,947.75	
320589	1-Jun-11	MUNICIPAL WATER	38.00	VOID
320590	1-Jun-11	MUTUAL LIQUID GAS	18.00	
320591	1-Jun-11	NATIONAL READY MIXED CONCRETE	2,373.75	
320592	1-Jun-11	NEW WAVE COMPUTER	193.57	
320593	1-Jun-11	NEWPORT BEACH,	1,225.66	

320594	1-Jun-11	NEWPORT REAL	7,500.00	
320595	1-Jun-11	OLIN CORPORATION	15,513.60	
320596	1-Jun-11	ON ASSIGNMENT LAB	1,244.80	
320597	1-Jun-11	PACIFIC BUILDING	10,903.42	
320598	1-Jun-01	PACIFIC HYDROTECH	5,291.72	
320599	1-Jun-11	PACIFIC HYDROTECH	48,525.53	
320600	1-Jun-11	PASCAL & LUDWIG	292,797.00	
320601	1-Jun-11	PASCAL & LUDWIG	32,533.00	
320602	1-Jun-11	PENHALL COMPANY	532.00	
320603	1-Jun-11	PRAXAIR	570.49	
320604	1-Jun-11	PRUDENTIAL OVERALL	837.13	
320605	1-Jun-11	SANTA ANA BLUE PRINT	2,061.21	
320606	1-Jun-11	SEQUEL CONTRACTORS, INC.	44,920.73	
320607	1-Jun-11	SHAMROCK SUPPLY CO	863.19	
320608	1-Jun-11	SOUTH COAST AIR QUALITY	205.96	
320609	1-Jun-11	SOUTH COAST WATER	151.74	
320610	1-Jun-11	SOUTHERN CALIFORNIA EDISON	249,347.93	
320611	1-Jun-11	SOUTHERN COUNTIES LUBRICANTS	715.52	
320612	1-Jun-11	SWAINS ELECTRIC	15,249.50	
320613	1-Jun-11	T AND S LARSEN MAINTENANCE	900.00	
320614	1-Jun-11	TETRA TECH, INC	2,856.66	VOID
320615	1-Jun-11	UNITED STATES POST OFFICE	1,380.00	
320616	1-Jun-11	US PEROXIDE LLC	7,219.90	
320617	1-Jun-11	VPSI INC	10,548.46	
320618	1-Jun-11	WAXIE'S	405.03	
320619	1-Jun-11	WESTERN EXTERMINATOR	6,694.50	
320620	1-Jun-11	WESTERN HYDRO	3,073.22	
320621	1-Jun-11	WORKPLACE RESOURCE	822.54	
320622	1-Jun-11	ZEE MEDICAL	42.86	
320623	2-Jun-11	PSB THE MARKETING LAKE FOREST	4,417.96	
320624	2-Jun-11	ORANGE, COUNTY OF SANTA ANA	7,056.00	
320625	2-Jun-11	SOUTHERN CALIFORNIA EDISON	8,404.57	VOID
320626	3-Jun-11	ACCURATE AIR	511.89	
320627	3-Jun-01	ASSOCIATION OF CALIFORNIA WATER AGENCIES	31,053.77	VOID
320628	3-Jun-11	BELL PIPE & SUPPLY	965.80	
320629	3-Jun-11	COMMERCIAL ROOFING	177,669.00	
320630	3-Jun-11	CONEYBEARE INC	567.38	
320631	3-Jun-11	FIDELITY SECURITY	5,768.40	
320632	3-Jun-11	FISHER SCIENTIFIC	4,289.35	
320633	3-Jun-11	FT ZIEBARTH	16,879.84	
320634	3-Jun-11	GENTERRA	2,919.65	
320635	3-Jun-11	GRAINGER	330.62	
320636	3-Jun-11	HACH COMPANY	2,138.81	
320637	3-Jun-11	HDR ENGINEERING	242,812.05	
320638	3-Jun-11	IDEXX	912.92	
320639	3-Jun-11	IRVINE PIPE & SUPPLY	811.31	
320640	3-Jun-11	LAGUNA BEACH COUNTY WATER DSITRICT	2,261.74	
320641	3-Jun-11	LAYNE CHRISTENSEN	62,799.48	
320642	3-Jun-11	MANLEY SOLUTIONS,	1,262.28	
320643	3-Jun-11	MARVIN GARDENS LLC	1,252.56	
320644	3-Jun-11	MOUSE GRAPHICS	273.96	
320645	3-Jun-11	NEWPORT BEACH, CITY OF	6,817.45	
320646	3-Jun-11	PACIFIC COAST BOLT	19.09	
320647	3-Jun-11	PENCILBOX, LLC	6,370.00	
320648	3-Jun-11	PINNACLE LANDSCAPE	5,936.76	
320649	3-Jun-11	SANTA ANA BLUE PRINT	52.08	
320650	3-Jun-11	SHAMROCK SUPPLY CO	664.16	
320651	3-Jun-11	SOUTH COAST WATER	19.74	
320652	3-Jun-11	SOUTH ORANGE WASTEWATER AUTHORITY	35,350.00	
320653	3-Jun-11	SOUTHERN CALIFORNIA EDISON	263,820.95	

320654	3-Jun-11	SOUTHERN CALIFORNIA EDISON	382.95	
320655	3-Jun-11	STANTEC CONSULTING	29,566.14	
320656	3-Jun-11	THE GAS COMPANY	3,102.59	
320657	3-Jun-11	VERIZON CALIFORNIA	43.54	
320658	3-Jun-11	VERIZON WIRELESS	12,347.10	
320659	3-Jun-11	ACWA HEALTH BENEFITS	31,053.77	
320660	8-Jun-11	AAF INTERNATIONAL	818.15	
320661	8-Jun-11	AARP HEALTH CARE	210.92	
320662	8-Jun-11	ADS LLC	1,936.50	
320663	8-Jun-11	AFLAC	6,142.94	
320664	8-Jun-11	AIRGAS-WEST, INC.	458.95	
320665	8-Jun-11	ALEXANDER CONTRACT	95,297.35	
320666	8-Jun-11	AMERICAN MESSAGING	286.93	
320667	8-Jun-11	ASSOCIATED POWER	1,833.93	
320668	8-Jun-11	AT&T	77.47	
320669	8-Jun-11	AT&T	344.07	
320670	8-Jun-11	AT&T	50.54	
320671	8-Jun-11	BADGER METER INC	129.18	
320672	8-Jun-11	BRENNTAG PACIFIC	1,313.93	
320673	8-Jun-11	CAL WATER PURIFICATION	80.00	
320674	8-Jun-11	CALIFORNIA BARRICADE INC	910.00	
320675	8-Jun-11	CANON BUSINESS	232.05	
320676	8-Jun-11	CAPTIVE AUDIENCE	85.91	
320677	8-Jun-11	CITY OF TUSTIN	25,039.13	
320678	8-Jun-11	COASTAL IGNITION & CONTROLS	45,800.00	
320679	8-Jun-11	COASTAL TRAFFIC SYSTEMS, INC	600.00	
320680	8-Jun-11	COLONIAL LIFE & ACCIDENT INSURANCE	3,231.86	
320681	8-Jun-11	CONEYBEARE INC	3,227.60	
320682	8-Jun-11	DCSE INC	5,925.00	
320683	8-Jun-11	DLT&V SYSTEMS	63,579.85	
320684	8-Jun-11	EMPLOYMENT DEVELOPMENT DEPT	15,839.00	
320685	8-Jun-11	FEDEX	711.47	
320686	8-Jun-11	FERGUSON	1,466.00	
320687	8-Jun-11	FERGUSON, DAVID	6,855.17	
320688	8-Jun-11	FIRST HEALTH LIFE	42.60	
320689	8-Jun-11	FLOW SCIENCE	7,230.00	
320690	8-Jun-11	FOLEY & LARDNER	51,500.00	
320691	8-Jun-11	GANAHL LUMBER CO.	3,301.92	
320692	8-Jun-11	GARZA INDUSTRIES,	1,261.50	
320693	8-Jun-11	GENTERRA	4,146.15	
320694	8-Jun-11	GRAINGER	1,438.88	
320695	8-Jun-11	HACH COMPANY	253.13	
320696	8-Jun-11	HARTFORD LIFE AND ACCIDENT INSURANCE	207.00	
320697	8-Jun-11	HILL BROTHERS	2,566.68	
320698	8-Jun-11	HOME DEPOT USA INC	2,238.09	
320699	8-Jun-11	HUMANA INSURANCE	25.20	
320700	8-Jun-11	HYDRO-SCAPE	30.09	
320701	8-Jun-11	IDENTICARD SYSTEMS	226.09	
320702	8-Jun-11	INDUSTRIAL METAL	128.32	
320703	8-Jun-11	INLAND WATER WORKS	2,240.25	
320704	8-Jun-11	IRVINE PIPE & SUPPLY	224.94	VOID
320705	8-Jun-11	JOHN MICHAEL COVAS	96.50	
320706	8-Jun-11	LAB SAFETY SUPPLY	593.83	
320707	8-Jun-11	LEWIS OPERATING	6,305.75	
320708	8-Jun-11	MERCHANTS LANDSCAPE	1,700.00	
320709	8-Jun-11	MOODY'S INVESTORS	45,500.00	
320710	8-Jun-11	MUNICIPAL WATER DISTRICT OF ORANGE COUNT	462.44	
320711	8-Jun-11	NATIONAL READY MIXED CONCRETE	368.66	
320712	8-Jun-11	NEWPORT WINDOW	2,314.00	
320713	8-Jun-11	NORITSU AMERICA	480.00	

320714	8-Jun-11	OLIN CORPORATION	31,343.90
320715	8-Jun-11	ONESOURCE	652.59
320716	8-Jun-11	ORANGE COUNTY SANITATION DISTRICT	1,570.00
320717	8-Jun-11	ORRICK, HERRINGTON	150,000.00
320718	8-Jun-11	PACIFIC PARTS &	899.43
320719	8-Jun-11	PACIFIC STRATEGIES	2,500.00
320720	8-Jun-11	PAPER DEPOT	965.55
320721	8-Jun-11	PRE-PAID LEGAL	1,862.02
320722	8-Jun-11	PROCESS EQUIPMENT	500.00
320723	8-Jun-11	PRUDENTIAL OVERALL	128.90
320724	8-Jun-11	PULSCO INC	442.81
320725	8-Jun-11	PYRO-COMM SYSTEMS	1,490.00
320726	8-Jun-11	RAINBOW DISPOSAL	437.39
320727	8-Jun-11	RIVERSIDE COUNTY SUPERIOR COURT	944.34
320728	8-Jun-11	SARBS-CALIFORNIA	245.00
320729	8-Jun-11	SCAP	10,114.00
320730	8-Jun-11	SHAMROCK SUPPLY CO	115.35
320731	8-Jun-11	SIGMA-ALDRICH INC	137.00
320732	8-Jun-11	SIRIUS COMPUTER	5,516.60
320733	8-Jun-11	SOUTHERN CA SECURITY CENTER	424.50
320734	8-Jun-11	SOUTHERN CA WATER COMMITTEE	210.00
320735	8-Jun-11	STRADLING YOCCA	15,000.00
320736	8-Jun-11	SWAINS ELECTRIC	10,092.75
320737	8-Jun-11	SYNAGRO COMPOSTING	16,507.59
320738	8-Jun-11	TETRA TECH, INC	9,507.03
320739	8-Jun-11	THE GAS COMPANY	996.42
320740	8-Jun-11	ULTRA SCIENTIFIC	96.76
320741	8-Jun-11	UNITED SITE SERVICES OF CALIFORNIA	147.35
320742	8-Jun-11	US PEROXIDE LLC	20,824.00
320743	8-Jun-11	VA CONSULTING, INC	5,266.50
320744	8-Jun-11	VERIZON CALIFORNIA	218.10
320745	8-Jun-11	WALTERS WHOLESALE ELECTRIC	252.65
320746	8-Jun-11	WASTE MANAGEMENT	98.54
320747	8-Jun-11	WAXIE'S	317.84
320748	8-Jun-11	WECK LABORATORIES	2,050.00
320749	8-Jun-11	WESTERN AV	816.98
320750	8-Jun-11	YSI INCORPORATED	641.24
320751	8-Jun-11	Christopher Fike	76.00
320752	8-Jun-11	David Hayden	170.00
320753	8-Jun-11	Erika Blaska	147.05
320754	8-Jun-11	Ian Swift	169.83
320755	8-Jun-11	Janet Wells	281.08
320756	8-Jun-11	Leslie Bonkowski	53.26
320757	8-Jun-11	Martin Howell	170.00
320758	8-Jun-11	Melinda Bergen	146.00
320759	8-Jun-11	Randall Ridenour	175.00
320760	8-Jun-11	Tanja Fournier	71.47
320761	9-Jun-11	AT&T	899.88
320762	9-Jun-11	COASTAL TRAFFIC	2,400.00
320763	9-Jun-11	CONEYBEARE INC	868.70
320764	9-Jun-11	FIERRO, SERGIO D	203.05
320765	9-Jun-11	FISHER SCIENTIFIC	375.25
320766	9-Jun-11	GRAINGER	141.44
320767	9-Jun-11	HACH COMPANY	755.97
320768	9-Jun-11	HYDRO-SCAPE	602.44
320769	9-Jun-11	INDUSTRIAL METAL SUPPLY	53.99
320770	9-Jun-11	IRVINE PIPE & SUPPLY	224.94
320771	9-Jun-11	MARVIN GARDENS LLC	534.47
320772	9-Jun-11	NATIONAL READY MIXED CONCRETE	536.08
320773	9-Jun-11	PHILCO CONSTRUCTION	109,297.80

320774	9-Jun-11	SALEM LUTHERAN	660.00	VOID
320775	9-Jun-11	SEMA CONSTRUCTION	22,365.00	
320776	9-Jun-11	SEMA CONSTRUCTION	2,485.00	
320777	9-Jun-11	SHAMROCK SUPPLY CO	655.98	
320778	9-Jun-11	WESTERN AV	868.51	
320779	9-Jun-11	SALEM LUTHERAN ORANGE	660.00	
320780	9-Jun-11	PERS LONG TERM PASADENA	1,826.79	
320781	9-Jun-11	ORDONEZ, CYNTHIA SANTA ANA	638.50	
320782	9-Jun-11	INTERNAL REVENUE FRESNO	25.00	
320783	9-Jun-11	FRANCHISE TAX SACRAMENTO	413.57	
320784	9-Jun-11	WILLIAMS, TWYLA PARKER	788.50	
320785	9-Jun-11	FIDELITY INVESTMENTS	440.00	
320786	13-Jun-11	ACCURATE AIR	2,739.36	
320787	13-Jun-11	AIRGAS-WEST, INC.	31.46	
320788	13-Jun-11	AT&T	6,824.73	
320789	13-Jun-11	AYRES HOTEL AND SUITES	6,788.40	
320790	13-Jun-11	B BRAUN MEDICAL	8,990.74	
320791	13-Jun-11	BAY SECURITY	135.00	
320792	13-Jun-11	BENSON, CHRIS	315.04	
320793	13-Jun-11	BIOMAGIC INC	3,848.94	
320794	13-Jun-11	BRAND, RON	421.00	
320795	13-Jun-11	C WELLS PIPELINE	605.73	
320796	13-Jun-11	CALIFORNIA BARRICADE INC	400.00	
320797	13-Jun-11	CANON FINANCIAL	1,389.97	
320798	13-Jun-11	CONEYBEARE INC	1,455.78	
320799	13-Jun-11	CREDENTIAL CHECK	222.00	
320800	13-Jun-11	EVERGREEN OIL INC	35.00	
320801	13-Jun-11	EXPRESSAIR	82.00	
320802	13-Jun-11	FARRELL & ASSOCIATES	86.46	
320803	13-Jun-11	FEDEX	334.21	
320804	13-Jun-11	FIRE EXTINGUISHING SAFETY	468.86	
320805	13-Jun-11	FISHER SCIENTIFIC	6,576.13	
320806	13-Jun-11	FITCH, INC.	20,000.00	
320807	13-Jun-11	FORESTRY SUPPLIERS	109.85	
320808	13-Jun-11	FOX, AMANDA	9.23	
320809	13-Jun-11	FOX, SAUL	140.07	
320810	13-Jun-11	FRONTLINE	1,019.74	
320811	13-Jun-11	GENTERRA	3,107.50	
320812	13-Jun-11	GLOBALSTAR INC	168.65	
320813	13-Jun-11	GRAINGER	1,013.93	
320814	13-Jun-11	HAMILTON, KURT	413.13	
320815	13-Jun-11	HARIHARAN, ARAVIND	101.62	
320816	13-Jun-11	HILL BROTHERS	10,217.75	
320817	13-Jun-11	HOME DEPOT USA INC	605.10	
320818	13-Jun-11	HSU, TONY & LILY	123.18	
320819	13-Jun-11	HUNSAKER & ASSOCIATES	636.00	
320820	13-Jun-11	IDEXX	11,266.63	
320821	13-Jun-11	IRON MOUNTAIN	1,574.40	
320822	13-Jun-11	JOHN G. ALEVIZOS	225.00	
320823	13-Jun-11	KILL-N-BUGS	325.00	
320824	13-Jun-11	KIM, JUN HYUN	30.24	
320825	13-Jun-11	LAYNE CHRISTENSEN	55,650.00	
320826	13-Jun-11	LOFLIN, RYAN	6.39	
320827	13-Jun-11	LORIA, MARIO	26.27	
320828	13-Jun-11	LUBRICATION ENGINEERS, INC	2,881.76	
320829	13-Jun-11	MERCHANTS LANDSCAPE SERVICE	13,441.25	
320830	13-Jun-11	MUTUAL LIQUID GAS	27.00	
320831	13-Jun-11	NEW PIG CORPORATION	810.22	
320832	13-Jun-11	NMG GEOTECHNICAL	7,278.40	
320833	13-Jun-11	OLIN CORPORATION	7,815.67	

320834	13-Jun-11	ONESOURCE	38,436.24
320835	13-Jun-11	ORTON, MARY	72.00
320836	13-Jun-11	PACIFIC COAST BOLT	119.10
320837	13-Jun-11	PACIFIC MECHANICAL	188.67
320838	13-Jun-11	PECK ROAD TRUCK	172,911.58
320839	13-Jun-11	PIPER, G DAVID	107.24
320840	13-Jun-11	PONTON INDUSTRIES	790.75
320841	13-Jun-11	PRAXAIR	1,954.96
320842	13-Jun-11	PRINCIPAL LIFE	12,579.84
320843	13-Jun-11	PRUDENTIAL OVERALL	816.72
320844	13-Jun-11	R & S SOIL	565.50
320845	13-Jun-11	RAM AIR	3,596.54
320846	13-Jun-11	REACH EMPLOYEE	785.20
320847	13-Jun-11	REED, JAMES D	1,936.14
320848	13-Jun-11	RESPONSE ENVELOPE, INC	3,466.13
320849	13-Jun-11	RINGCLEAR LLC	32.72
320850	13-Jun-11	RJ ALLEN	839.14
320851	13-Jun-11	RODRIGUEZ, DIEGO	52.64
320852	13-Jun-11	SANTA ANA BLUE	46.05
320853	13-Jun-11	SHAMROCK SUPPLY CO	548.48
320854	13-Jun-11	SIRIUS COMPUTER	48,830.89
320855	13-Jun-11	SOUTHERN CALIFORNIA EDISON	63,394.90
320856	13-Jun-11	SOUTHERN CALIFORNIA SECURITY CENTER	15.98
320857	13-Jun-11	SPARKLETTS	156.49
320858	13-Jun-11	STEEL UNLIMITED	929.77
320859	13-Jun-11	SUPERMEDIA LLC	69.75
320860	13-Jun-11	TALEBI, AMIR	25.73
320861	13-Jun-11	TIMOTHY W. HOGEN	734.06
320862	13-Jun-11	U.S. BANK NATIONAL	20.68
320863	13-Jun-11	UNITED SITE SERVICES OF CALIFORNIA	2.59
320864	13-Jun-11	US BANK NAT'L	91,296.58
320865	13-Jun-11	US PEROXIDE LLC	3,875.00
320866	13-Jun-11	USA MOBILITY	21.75
320867	13-Jun-11	WASTE MANAGEMENT	1,998.84
320868	13-Jun-11	WESTPARK MAINT	1,177.29
320869	13-Jun-11	WOODRUFF, SPRADLIN	25.50
320870	13-Jun-11	WORKFLOWONE	2,200.28
320871	13-Jun-11	BANK OF AMERICA SAN	-
320872	13-Jun-11	BANK OF AMERICA SAN	-
320873	13-Jun-11	BANK OF AMERICA SAN	-
320874	14-Jun-11	MUNICIPAL WATER FOUNTAIN	-
320875	15-Jun-11	ACTION ELECTRIC	330.49
320876	15-Jun-11	ADDISON, ROB	79.00
320877	15-Jun-11	AIRGAS-WEST, INC.	317.55
320878	15-Jun-11	ALLIANT INSURANCE	7,779.00
320879	15-Jun-11	AMERICAN TECHNICAL	2,131.99
320880	15-Jun-11	AMINOGENESIS SKIN	70.21
320881	15-Jun-11	AQUA-METRIC SALES	462.18
320882	15-Jun-11	ASSOCIATED POWER	1,833.93
320883	15-Jun-11	AST CORPORATION	30,119.68
320884	15-Jun-11	AT&T	1,742.73
320885	15-Jun-11	ATKINS NORTH	32,813.00
320886	15-Jun-11	BADWAN, ABDUL	2,818.39
320887	15-Jun-11	BANK OF NEW YORK	5,766.40
320888	15-Jun-11	BARE, REX	112.41
320889	15-Jun-11	BARTOLIC, PATRICK	341.89
320890	15-Jun-11	BAUER, JAMIE W	23.00
320891	15-Jun-11	BAY SECURITY	135.00
320892	15-Jun-11	BENEFIELD, KAREN	57.80
320893	15-Jun-11	BIOMAGIC INC	7,952.31

320894	15-Jun-11	BRENNTAG PACIFIC	4,576.61
320895	15-Jun-11	BREWER, NICOLE	27.61
320896	15-Jun-11	BRITHINEE ELECTRIC	4,089.20
320897	15-Jun-11	BROOKFIELD HOMES	880.20
320898	15-Jun-11	C WELLS PIPELINE	1,892.25
320899	15-Jun-11	CALIFORNIA	1,458.42
320900	15-Jun-11	CARLOS CELLULAR &	386.50
320901	15-Jun-11	CDW GOVERNMENT LLC	118.33
320902	15-Jun-11	CERTIFIED	579.38
320903	15-Jun-11	CH2M HILL, INC	27,923.90
320904	15-Jun-11	CHAVEZ, JOE L	54.10
320905	15-Jun-11	CHECKFREE SERVICES	9,321.44
320906	15-Jun-11	CHEN, FLORA	19.81
320907	15-Jun-11	CITY OF ORANGE	360.00
320908	15-Jun-11	CLPF ANTING LP	3,693.88
320909	15-Jun-11	CORRPRO COMPANIES	14,919.82
320910	15-Jun-11	CPWH	13.97
320911	15-Jun-11	CR & R	15.92
320912	15-Jun-11	DATA CLEAN	500.00
320913	15-Jun-11	DEL REY APARTMENTS	1,056.00
320914	15-Jun-11	DUDEK	20,358.66
320915	15-Jun-11	EADS NORTH AMERICA	1,658.17
320916	15-Jun-11	ENVIRON INTERNATIONAL CORP	2,417.86
320917	15-Jun-11	ENVIRONMENTAL WASTE MANAGEMENT	4,082.50
320918	15-Jun-11	ESA PWA	2,825.00
320919	15-Jun-11	ESTANCIA APTS	31.46
320920	15-Jun-11	FARWEST CORROSION	910.40
320921	15-Jun-11	FERGUSON WATERWORKS	6,926.23
320922	15-Jun-11	FISHER SCIENTIFIC	3,607.13
320923	15-Jun-11	FLW SERVICE	1,310.00
320924	15-Jun-11	FURUTA, JASON	60.35
320925	15-Jun-11	GENERAL PUMP	5,412.00
320926	15-Jun-11	GEOSCIENCE SUPPORT	30,041.00
320927	15-Jun-11	GODWIN PUMPS OF	2,388.15
320928	15-Jun-11	GOLDEN STATE LABOR	3,626.25
320929	15-Jun-11	GOW, JOSEPHINE	144.77
320930	15-Jun-11	GRAINGER	1,276.04
320931	15-Jun-11	GRAYBAR ELECTRIC	294.38
320932	15-Jun-11	GRUBE, KEITH	432.61
320933	15-Jun-11	GUDEA, KRISTY	55.52
320934	15-Jun-11	GUY L WARDEN &	590.64
320935	15-Jun-11	HARPER & ASSOCIATES	9,149.37
320936	15-Jun-11	HAYDEN, JAMES	40.00
320937	15-Jun-11	HDR ENGINEERING	44,945.12
320938	15-Jun-11	HILL BROTHERS	2,112.50
320939	15-Jun-11	HIRSCHBERG, HENRY	61.57
320940	15-Jun-11	HOLGUIN, GLORIA	72.45
320941	15-Jun-11	Homeyer Consulting	1,680.00
320942	15-Jun-11	HOPKINS TECHNICAL	943.15
320943	15-Jun-11	HUNTINGTON SECURITY	36.74
320944	15-Jun-11	HYDRO-SCAPE	15,774.73
320945	15-Jun-11	IRVINE PIPE & SUPPLY	31.12
320946	15-Jun-11	JOHN G. ALEVIZOS	90.00
320947	15-Jun-11	JOSEPH, ROBERT	344.08
320948	15-Jun-11	KELLY SERVICES INC	1,036.20
320949	15-Jun-11	KENNEDY/JENKS	17,142.78
320950	15-Jun-11	KEY EQUIPMENT	4,009.79
320951	15-Jun-11	LARUE-MUGAVERO,	34.04
320952	15-Jun-11	LEE & SAKAHARA	6,595.89
320953	15-Jun-11	LEWIS OPERATING	700.00

320954	15-Jun-11	LINDE ELECTRONICS	2,667.00	
320955	15-Jun-11	LISSOY FAMILY	1,711.43	
320956	15-Jun-11	LUTZ-JESCO AMERICA	304.98	
320957	15-Jun-11	MALCOLM PIRNIE INC	54,865.99	
320958	15-Jun-11	MBC APPLIED	2,000.00	
320959	15-Jun-11	MC MASTER CARR	56.20	
320960	15-Jun-11	MERCHANTS LANDSCAPE SERVICES	13,728.78	
320961	15-Jun-11	MOTAZEDIAN, MEHDI	60.69	
320962	15-Jun-11	NINYO & MOORE	1,000.00	
320963	15-Jun-11	NMG GEOTECHNICAL	2,291.70	
320964	15-Jun-11	OCEAN BLUE	2,040.25	
320965	15-Jun-11	OLEN COMMERCIAL	761.67	
320966	15-Jun-11	OLIN CORPORATION	3,840.51	
320967	15-Jun-11	ON ASSIGNMENT LAB	1,244.80	
320968	15-Jun-11	ON ASSIGNMENT LAB	4,979.20	
320969	15-Jun-11	ONESOURCE	8,396.35	
320970	15-Jun-11	ORANGE COUNTY FIRE	936.00	VOID
320971	15-Jun-11	ORANGE COUNTY TREASURER	369.00	
320972	15-Jun-11	ORANGE COUNTY WATER DISTRICT	5,683.02	
320973	15-Jun-11	ORANGE COUNTY WATER DISTRICT	7,500.00	
320974	15-Jun-11	ORANGE, COUNTY OF	2,273.00	
320975	15-Jun-11	PACIFIC BUILDING	10,663.42	
320976	15-Jun-11	PACIFIC RESOURCE	3,038.22	
320977	15-Jun-11	PINNACLE LANDSCAPE	5,936.76	
320978	15-Jun-11	PRAXAIR	1,456.67	
320979	15-Jun-11	PRUDENTIAL OVERALL	43.87	
320980	15-Jun-11	PULSCO INC	3,376.01	
320981	15-Jun-11	RAM AIR	9,245.68	
320982	15-Jun-11	RANCHO SANTA FE	29.20	
320983	15-Jun-11	RBF CONSULTING	91,249.51	
320984	15-Jun-11	REACH EMPLOYEE	808.60	
320985	15-Jun-11	RJS SOFTWARE	380.00	
320986	15-Jun-11	RRM DESIGN GROUP	4,941.62	
320987	15-Jun-11	SAN MARCO APTS	4.92	
320988	15-Jun-11	SANTA ANA BLUE	426.17	
320989	15-Jun-11	SANTOS, RICHARD	134.02	
320990	15-Jun-11	SCHMEHR, KANDIE	132.92	
320991	15-Jun-11	SHEN, ANGELA	45.38	
320992	15-Jun-11	SIGMA-ALDRICH INC	74.51	
320993	15-Jun-11	SIRIUS COMPUTER	48,971.18	
320994	15-Jun-11	SOUTH COAST ANSWERING SERVICE	2,169.12	
320995	15-Jun-11	SOUTHERN CALIFORNIA EDISON	23.75	
320996	15-Jun-11	SOUTHERN CALIFORNIA RAIL AUTHORITY	2,000.00	
320997	15-Jun-11	SPATIAL WAVE, INC.	12,480.00	
320998	15-Jun-11	STANDARD & POOR'S	33,600.00	
320999	15-Jun-11	STANTEC CONSULTING	3,821.00	
321000	15-Jun-11	STARPOINT	33.70	
321001	15-Jun-11	SUPPORT PRODUCTS	1,679.64	
321002	15-Jun-11	TESTAMERICA	325.50	
321003	15-Jun-11	TETRA TECH, INC	12,951.82	
321004	15-Jun-11	THE FENCE GUY	3,010.00	
321005	15-Jun-11	THE FURMAN GROUP	20,254.00	
321006	15-Jun-11	THE GAS COMPANY	57.28	
321007	15-Jun-11	TIC-IPG-COMMON	634.54	
321008	15-Jun-11	TOKARSKI ROQUE,	3.69	
321009	15-Jun-11	TRENCH SHORING	65.25	
321010	15-Jun-11	TROPICAL PLAZA	1,200.00	
321011	15-Jun-11	ULTRA SCIENTIFIC	237.25	
321012	15-Jun-11	UNDERGROUND SERVICE ALERT	759.00	
321013	15-Jun-11	VWR INTERNATIONAL,	97.98	

321014	15-Jun-11	WARUDKAR, HEMANT	979.23	
321015	15-Jun-11	WASTE MANAGEMENT	694.19	
321016	15-Jun-11	WEST COAST SAFETY	1,178.95	
321017	15-Jun-11	WESTERN HYDRO	858.86	
321018	15-Jun-11	XCAPER INDUSTRIES,	333.32	
321019	15-Jun-11	ZEBRON CONTRACTING	5,300.00	
321020	16-Jun-11	ORANGE COUNTY FIREIRVINE	755.00	
321021	16-Jun-11	ORANGE COUNTY FIREIRVINE	181.00	
321022	20-Jun-11	AAF INTERNATIONAL	128.91	
321023	20-Jun-11	AIRGAS-WEST, INC.	1,522.86	
321024	20-Jun-11	ANTHEM BLUE CROSS	4,037.20	
321025	20-Jun-11	ARMORCAST PRODUCTS	2,783.74	
321026	20-Jun-11	AST CORPORATION	229,428.00	VOID
321027	20-Jun-11	AT&T	4,694.76	
321028	20-Jun-11	AT&T	47.13	
321029	20-Jun-11	AT&T	405.07	
321030	20-Jun-11	AT&T	109.00	
321031	20-Jun-11	AT&T INTERNET	1,423.00	
321032	20-Jun-11	ATECH ENGINEERING	119.62	
321033	20-Jun-11	AYRES HOTEL AND SUITES	2,965.50	
321034	20-Jun-11	BDC SPECIAL WASTE	150.00	
321035	20-Jun-11	BILL'S SWEEPING	770.00	
321036	20-Jun-11	BLOOMBERG FINANCE	16,013.84	
321037	20-Jun-11	BUSH & ASSOCIATES	8,730.00	
321038	20-Jun-11	BUTIER ENGINEERING	24,000.00	
321039	20-Jun-11	C WELLS PIPELINE	1,008.10	
321040	20-Jun-11	CALIFORNIA BARRICADE INC	2,511.25	
321041	20-Jun-11	CALIFORNIA CHASSIS	2,009.71	
321042	20-Jun-11	CALIFORNIA TRUCK	4,916.59	
321043	20-Jun-11	Campbell & Levine,	327.00	
321044	20-Jun-11	CHECKFREE SERVICES	9,573.24	
321045	20-Jun-11	CHEM TECH	17,193.00	
321046	20-Jun-11	CITY CIRCUIT	543.75	
321047	20-Jun-11	CITY OF IRVINE	3,599.40	
321048	20-Jun-11	COASTAL TRAFFIC	600.00	
321049	20-Jun-11	CONEYBEARE INC	761.60	
321050	20-Jun-11	DELL MARKETING LP	224.71	
321051	20-Jun-11	DISCOVERY SCIENCE	25,521.30	
321052	20-Jun-11	EMPLOYEE BENEFIT SPECIALIST INC	735.00	
321053	20-Jun-11	ENVIRONMENTAL EXPRESS INC	1,048.15	
321054	20-Jun-11	ENVIRONMENTAL RESOURCE ASSOCAITES	868.56	
321055	20-Jun-11	FEDEX	337.17	
321056	20-Jun-11	FERGUSON, DAVID	3,218.10	
321057	20-Jun-11	HACH COMPANY	2,998.78	
321058	20-Jun-11	HILL BROTHERS	6,056.40	
321059	20-Jun-11	HOME DEPOT USA INC	277.90	
321060	20-Jun-11	HUNSAKER &	1,094.40	
321061	20-Jun-11	IRVINE PIPE & SUPPLY	2,126.82	
321062	20-Jun-11	IRVINE UNIFIED SCHOOL DISTRICT	1,561.84	
321063	20-Jun-11	IRWD-PETTY CASH	996.56	
321064	20-Jun-11	KERN COUNTY TREASURER TAX COLLECTOR	9,637.17	
321065	20-Jun-11	LEE & SAKAHARA ASSOCAITES	151.95	
321066	20-Jun-11	LENOVO UNITED STATES INC	2,814.06	
321067	20-Jun-11	LEWIS OPERATING	750.00	
321068	20-Jun-11	MC MASTER CARR	154.24	
321069	20-Jun-11	MID-WEST ASSOCIATES	241.12	
321070	20-Jun-11	MOBILE MODULAR	1,119.04	
321071	20-Jun-11	MOODY'S INVESTORS	18,000.00	
321072	20-Jun-11	MOUSE GRAPHICS	820.52	
321073	20-Jun-11	MUTUAL LIQUID GAS	107.56	

321074	20-Jun-11	NATIONAL READY MIX	722.09
321075	20-Jun-11	NMG GEOTECHNICAL	14,494.70
321076	20-Jun-11	ON ASSIGNMENT LAB	6,628.56
321077	20-Jun-11	ONESOURCE DISTRIBUTORS INC	215.94
321078	20-Jun-11	PACIFIC BUILDING CARE	240.00
321079	20-Jun-11	PACIFIC TECHNOLOGIES	4,275.00
321080	20-Jun-11	PAULUS ENGINEERING	44,277.09
321081	20-Jun-11	PINNACLE TOWERS	8.64
321082	20-Jun-11	PRAXAIR	682.32
321083	20-Jun-11	PRUDENTIAL OVERALL SUPPLY	785.13
321084	20-Jun-11	PTI SAND & GRAVEL	538.30
321085	20-Jun-11	RAM AIR	701.43
321086	20-Jun-11	RBF CONSULTING	2,098.72
321087	20-Jun-11	SANTA ANA BLUE PRINT	172.58
321088	20-Jun-11	SANTA ANA CITY OF	18,285.05
321089	20-Jun-11	SECURTEC DISTRICT PATROL	3,500.00
321090	20-Jun-11	SHAMROCK SUPPLY CO	590.09
321091	20-Jun-11	SOUTHERN CALIFORNIA EDISON	214,456.81
321092	20-Jun-11	SOUTHLAND WATER	8,748.03
321093	20-Jun-11	SPRINGMAN, GREG	705.73
321094	20-Jun-11	STANTEC CONSULTING	10,874.19
321095	20-Jun-11	SUNNYHILLS RESTORATION	15,000.00
321096	20-Jun-11	TAIT ENVIRONMENTAL	2,197.58
321097	20-Jun-11	TELEDYNE TEKMAR	189.12
321098	20-Jun-11	TETRA TECH, INC	4,956.19
321099	20-Jun-11	THE FENCE GUY	3,750.00
321100	20-Jun-11	THE GAS COMPANY	5,223.90
321101	20-Jun-11	TRIPAC MARKETING	1,057.00
321102	20-Jun-11	TROPICAL PLAZA	2,100.00
321103	20-Jun-11	TRUGREEN LANDCARE	696.70
321104	20-Jun-11	UNITED PARCEL	103.04
321105	20-Jun-11	UNITED STATES POSTAL SERVICE	90.41
321106	20-Jun-11	V-KOOL INC.	1,698.80
321107	20-Jun-11	VA CONSULTING, INC	4,116.00
321108	20-Jun-11	VERIZON CALIFORNIA	37.45
321109	20-Jun-11	VULCAN MATERIALS	1,295.25
321110	20-Jun-11	WASTE MANAGEMENT	685.56
321111	20-Jun-11	SOUTHERN CALIFORNIA EDISON	3,122.16
321112	20-Jun-11	UNITED STATES POSTAL SERVICE	1,880.00
321113	20-Jun-11	UNITED STATES POSTAL SERVICE	29,250.00
321114	20-Jun-11	ORANGE COUNTY TREASURER	191.00
321115	20-Jun-11	ORANGE, COUNTY OF SANTA ANA	291.00
321116	21-Jun-11	SOUTH COAST AIR QUALITY	10,473.03
321117	21-Jun-11	UNITED STATES POSTAL SERVICE	63,000.00
321118	22-Jun-11	PACIFIC LIFE INSURANCE CO	159,038.70
321119	24-Jun-11	A & Y ASPHALT	9,984.00
321120	24-Jun-11	ACTION ELECTRIC	935.57
321121	24-Jun-11	AFLAC	6,142.94
321122	24-Jun-11	ASHFORD, WALT	40.34
321123	24-Jun-11	AST CORPORATION	210,412.20
321124	24-Jun-11	AT&T	41.25
321125	24-Jun-11	AT&T	30.42
321126	24-Jun-11	AYRES HOTEL AND SUITES	1,878.15
321127	24-Jun-11	BAKER RANCH AREA I	35,418.07
321128	24-Jun-11	BANK OF NEW YORK	1,171.30
321129	24-Jun-11	BILL'S SWEEPING	440.00
321130	24-Jun-11	BIOMAGIC INC	12,596.51
321131	24-Jun-11	BRAND, RON	46.19
321132	24-Jun-11	BROWN AND CALDWELL	5,200.00
321133	24-Jun-11	BUSH & ASSOCIATES	9,748.00

321134	24-Jun-11	C WELLS PIPELINE	10,310.59
321135	24-Jun-11	CALIFORNIA BARRICADE INC	807.56
321136	24-Jun-11	CARL WARREN & CO	1,053.02
321137	24-Jun-11	CHECKFREE SERVICES	1,103.75
321138	24-Jun-11	CITY OF TUSTIN	356.22
321139	24-Jun-11	COAST PLUMBING	234.00
321140	24-Jun-11	COASTAL TRAFFIC SYSTEMS	1,400.00
321141	24-Jun-11	COLONIAL LIFE & HEALTH	2,764.54
321142	24-Jun-11	CONEYBEARE INC	2,641.10
321143	24-Jun-11	CONTROLLED KEY	86.50
321144	24-Jun-11	CORELOGIC INC	36.00
321145	24-Jun-11	CREDENTIAL CHECK	20.50
321146	24-Jun-11	CSAC EXCESS	12,667.00
321147	24-Jun-11	D & H WATER	3,671.38
321148	24-Jun-11	DANBRU WIRE & CABLE	5,865.62
321149	24-Jun-11	DATASITE INC	872.00
321150	24-Jun-11	DEACON, AMOS R.	170.39
321151	24-Jun-11	DEVISE ENGINEERING	254.80
321152	24-Jun-11	DIRECTV INC	86.99
321153	24-Jun-11	DISCOVERY SCIENCE	8,237.53
321154	24-Jun-11	DJ NELSON & SON	1,780.00
321155	24-Jun-11	DUDEK	30,815.23
321156	24-Jun-11	DURANCEAU	3,600.00
321157	24-Jun-11	EAST ORANGE COUNTY WATER DISTRICT	45,581.72
321158	24-Jun-11	ECOWORKZ	885.39
321159	24-Jun-11	EI&C ENGINEERING	3,800.00
321160	24-Jun-11	EMERALD COURT I	96.63
321161	24-Jun-11	ENVIRONMENTAL ENGINEERING	5,471.95
321162	24-Jun-11	ENVIRONMENTAL EXPRESS INC	113.66
321163	24-Jun-11	EVERGREEN OIL INC	35.00
321164	24-Jun-11	EVOLVE MEDIA	660.00
321165	24-Jun-11	EXPRESSAIR	72.00
321166	24-Jun-11	FARRELL & ASSOCIATES	86.96
321167	24-Jun-11	FEDEX	596.37
321168	24-Jun-11	FIDELITY INVESTMENTS	440.00
321169	24-Jun-11	FIRST CHOICE	1,320.97
321170	24-Jun-11	FISHER SCIENTIFIC	4,596.93
321171	24-Jun-11	FLEET SOLUTIONS	3,942.10
321172	24-Jun-11	FRANCHISE TAX BOARD	150.00
321173	24-Jun-11	GANAHL LUMBER CO.	128.10
321174	24-Jun-11	GATEWAY PACIFIC	282,847.50
321175	24-Jun-11	GATEWAY PACIFIC	31,427.50
321176	24-Jun-11	GEI CONSULTANTS	38,365.74
321177	24-Jun-11	GENERAL PUMP	1,000.00
321178	24-Jun-11	GENTERRA	11,010.00
321179	24-Jun-11	GEORGE YARDLEY CO	375.43
321180	24-Jun-11	GOOGLE INC.	1,039.68
321181	24-Jun-11	GRAINGER	1,161.97
321182	24-Jun-11	HACH COMPANY	369.43
321183	24-Jun-11	HALCYON ELECTRIC	25,140.00
321184	24-Jun-11	HARMSWORTH	860.00
321185	24-Jun-11	HARPER & ASSOCIATES	1,100.00
321186	24-Jun-11	HARTFORD LIFE AND HEALTH	201.20
321187	24-Jun-11	HOME DEPOT USA INC	2,919.88
321188	24-Jun-11	IDENTICARD SYSTEMS	243.36
321189	24-Jun-11	II FUELS INC	47,544.10
321190	24-Jun-11	INTERNAL REVENUE	25.00
321191	24-Jun-11	IRVINE PIPE & SUPPLY	194.91
321192	24-Jun-11	JOHN G. ALEVIZOS	120.00
321193	24-Jun-11	JONES & STOKES	1,663.75

321194	24-Jun-11	KAZARIANS & ASSOCIATES	1,479.39
321195	24-Jun-11	KILL-N-BUGS	650.00
321196	24-Jun-11	KONECRANES INC	320.00
321197	24-Jun-11	LACKEY, DOUG	32.52
321198	24-Jun-11	LEWIS OPERATING	1,608.94
321199	24-Jun-11	LIN, LU-JEN	218.03
321200	24-Jun-11	LUBRICATION	854.78
321201	24-Jun-11	MAHAFFEY, JUSTIN	162.09
321202	24-Jun-11	MAYER HOFFMAN	2,000.00
321203	24-Jun-11	MBC APPLIED	1,000.00
321204	24-Jun-11	MC MASTER CARR	201.67
321205	24-Jun-11	MOUSE GRAPHICS	792.24
321206	24-Jun-11	NATIONAL READY MIXED CONCRETE	710.27
321207	24-Jun-11	NEWPORT BEACH, CITY OF	1,402.00
321208	24-Jun-11	NMG GEOTECHNICAL	5,405.60
321209	24-Jun-11	OLIN CORPORATION	15,622.77
321210	24-Jun-11	ON ASSIGNMENT LAB	7,188.72
321211	24-Jun-11	ONESOURCE	1,660.26
321212	24-Jun-11	ORANGE, COUNTY OF	4,944.61
321213	24-Jun-11	ORDONEZ, CYNTHIA	638.50
321214	24-Jun-11	PACIFIC GAS AND ELECTRIC	28,500.46
321215	24-Jun-11	PAUL E BRADLEY INC	1,350.00
321216	24-Jun-11	PERS LONG TERM	1,826.79
321217	24-Jun-11	POPPIN BACKHOE	1,078.22
321218	24-Jun-11	PRE-PAID LEGAL	1,849.07
321219	24-Jun-11	PRUDENTIAL OVERALL	932.18
321220	24-Jun-11	PTI SAND & GRAVEL	1,293.95
321221	24-Jun-11	QUALITY ENVIRONMENTAL	866.47
321222	24-Jun-11	RAM AIR	8,605.55
321223	24-Jun-11	RBF CONSULTING	1,914.00
321224	24-Jun-11	RIDGE LANDSCAPE	52.20
321225	24-Jun-11	RJS SOFTWARE	475.00
321226	24-Jun-11	RRM DESIGN GROUP	598.13
321227	24-Jun-11	SANTIAGO AQUEDUCT COMMISSION	24,152.38
321228	24-Jun-11	SCACCIA, PAUL	742.75
321229	24-Jun-11	SHAMROCK SUPPLY CO	613.98
321230	24-Jun-11	SIRIUS COMPUTER	3,390.00
321231	24-Jun-11	SMITH, MARILYN	675.00
321232	24-Jun-11	SOUTH COAST AIR QUALITY	501.03
321233	24-Jun-11	SOUTH COAST WATER	191.74
321234	24-Jun-11	SOUTH COAST WATER	156.19
321235	24-Jun-11	SOUTHERN CALIFORNIA EDISON	88,228.89
321236	24-Jun-11	SOUTHERN CALIFORNIA SECURITY CENTERS	52.43
321237	24-Jun-11	SPARKLETTS	79.69
321238	24-Jun-11	STANTEC CONSULTING	9,286.00
321239	24-Jun-11	STATE BOARD OF EQUALIZATION	558.00
321240	24-Jun-11	STEMAR EQUIPMENT & SUPPLY CO	2,187.67
321241	24-Jun-11	STRADLING YOCCA	15,000.00
321242	24-Jun-11	SYNAGRO COMPOSTING	15,306.40
321243	24-Jun-11	TELEDYNE TEKMAR	188.78
321244	24-Jun-11	TESTAMERICA	834.30
321245	24-Jun-11	TETRA TECH, INC	17,941.01
321246	24-Jun-11	THE FENCE GUY	8,705.00
321247	24-Jun-11	THE GAS COMPANY	905.22
321248	24-Jun-11	THOMPSON INDUSTRIAL SUPPLY	1,480.12
321249	24-Jun-11	TIC-RETAIL	857.27
321250	24-Jun-11	TIC-SPECTRUM	456.10
321251	24-Jun-11	TRENCH SHORING	258.75
321252	24-Jun-11	TROPICAL PLAZA	14,275.89
321253	24-Jun-11	UNITED SITE SERVICES OF CALIFORNIA	105.39

321254	24-Jun-11	UNITED STATES POSTAL SERVICE	1,880.00	
321255	24-Jun-11	US PEROXIDE LLC	7,089.75	
321256	24-Jun-11	USA BLUEBOOK	483.89	
321257	24-Jun-11	VA CONSULTING, INC	7,286.66	
321258	24-Jun-11	VWR INTERNATIONAL,	378.07	
321259	24-Jun-11	WALTERS WHOLESALE	588.27	
321260	24-Jun-11	WASTE MANAGEMENT	36.52	
321261	24-Jun-11	WAXIE'S	2,618.05	
321262	24-Jun-11	WESTERN EXTERMIONATOR	6,844.50	
321263	24-Jun-11	WILLIAMS, TWYLA	788.50	
321264	24-Jun-11	WIRELESS WATCHDOGS	1,236.00	
321265	29-Jun-11	Anita Arant	33.16	VOID
321266	29-Jun-11	Brian McKinstry	75.99	VOID
321267	29-Jun-11	Cheryl Kelly	312.07	VOID
321268	29-Jun-11	Christopher Fike	127.37	
321269	29-Jun-11	Dana Wehr	190.00	
321270	29-Jun-11	Douglas Reinhart	18.36	
321271	29-Jun-11	Douglas Webb	170.00	
321272	29-Jun-11	Fiona Sanchez	177.99	
321273	29-Jun-11	George Sanchez	220.00	
321274	29-Jun-11	Gregory Springman	74.48	
321275	29-Jun-11	Gustavo Orozco	80.00	
321276	29-Jun-11	John Withers	67.32	
321277	29-Jun-11	Johnnie	105.00	
321278	29-Jun-11	Karen Bonecki	42.33	
321279	29-Jun-11	Ken Pfister	105.00	
321280	29-Jun-11	Kirsten McLaughlin	109.15	
321281	29-Jun-11	Luminita Popescu	2,035.37	
321282	29-Jun-11	Mark Gingras	190.00	
321283	29-Jun-11	Martha Ramos	187.79	
321284	29-Jun-11	Paul Jones	10.00	
321285	29-Jun-11	Robert Solis	120.00	
321286	29-Jun-11	Rusty Harlow	66.00	
321287	29-Jun-11	Scott Van Deusen	70.00	
321288	29-Jun-11	Shannon Reed	144.35	
321289	29-Jun-11	Teresa Tift	21.67	
321290	29-Jun-11	Terrance Schreiner	86.00	
321291	29-Jun-11	Wayne Posey	222.63	
321292	29-Jun-11	Anita Arant	33.16	
321293	29-Jun-11	Brian McKinstry	75.99	
321294	29-Jun-11	Cheryl Kelly	312.07	
321295	30-Jun-11	A & Y ASPHALT	10,943.00	
321296	30-Jun-11	ADT SECURITY	2,862.16	
321297	30-Jun-11	AMERIPRISE AUTO	644.97	
321298	30-Jun-11	AQUA-METRIC SALES	19,559.56	
321299	30-Jun-11	AT&T	1,183.47	
321300	30-Jun-11	AT&T	3.34	
321301	30-Jun-11	AT&T	4,980.97	
321302	30-Jun-11	BAKERSFIELD WELL &	298,296.36	
321303	30-Jun-11	BAUER, JAMIE W	33.88	
321304	30-Jun-11	BEROL, SUSAN	28.97	
321305	30-Jun-11	BEST BUY/STEVE	2,987.57	
321306	30-Jun-11	BOYD, REBECCA	22.06	
321307	30-Jun-11	CALIFORNIA BARRICADE INC	1,659.40	
321308	30-Jun-11	CALIFORNIA MUNICIPAL TREASURERES	105.00	
321309	30-Jun-11	CAMPBELL, THOMAS J	60.00	
321310	30-Jun-11	CDW GOVERNMENT LLC	2,664.62	
321311	30-Jun-11	CHEN, MONICA	28.29	
321312	30-Jun-11	CITY OF IRVINE	39,498.60	
321313	30-Jun-11	CONNELL, DAVID	14.35	

321314	30-Jun-11	COX COMMUNICATIONS	245.64
321315	30-Jun-11	DAYANAND,	25.00
321316	30-Jun-11	DEBRA L REILLY	13,545.00
321317	30-Jun-11	DUDEK	27,730.81
321318	30-Jun-11	DUDLEY RIDGE WATER	58,312.37
321319	30-Jun-11	ESA PWA	38,117.09
321320	30-Jun-11	FEDEX	919.62
321321	30-Jun-11	FIERRO, SERGIO D	4,458.75
321322	30-Jun-11	FISHER SCIENTIFIC	39.95
321323	30-Jun-11	FLEET SOLUTIONS	3,942.10
321324	30-Jun-11	FURUTA, JASON	54.07
321325	30-Jun-11	GANAHL LUMBER CO.	1,007.03
321326	30-Jun-11	GARDENSOFT	3,000.00
321327	30-Jun-11	GARLARZA, JOSH	30.57
321328	30-Jun-11	GOEBEL, KATHERINE	47.67
321329	30-Jun-11	HILL BROTHERS	1,775.90
321330	30-Jun-11	HOME DEPOT USA INC	1,315.38
321331	30-Jun-11	HUME, CYNTHIA	19.16
321332	30-Jun-11	IRVINE PIPE &	4,064.14
321333	30-Jun-11	IRWD-PETTY CASH	727.06
321334	30-Jun-11	JCI JONES	7,507.50
321335	30-Jun-11	JONES & STOKES	3,050.00
321336	30-Jun-11	KACZNAREK, GEORGE	55.75
321337	30-Jun-11	KENNEDY PIPELINE	935.44
321338	30-Jun-11	KENNEDY/JENKS	18,759.43
321339	30-Jun-11	LO, HELLEN	20.59
321340	30-Jun-11	LSA ASSOCIATES INC	14,727.45
321341	30-Jun-11	MCCLUNG, MARK W	27.06
321342	30-Jun-11	MCCLURE, KAREN L	23.23
321343	30-Jun-11	MCKINNEY, HUGH	37.89
321344	30-Jun-11	MOUSE GRAPHICS	5,605.52
321345	30-Jun-11	MUNICIPAL WATER DISTRICT OF OC	56,600.00
321346	30-Jun-11	NARUWA, HIROKI	11.60
321347	30-Jun-11	NEWPORT BEACH,	698.19
321348	30-Jun-11	NOORAI, SAEED	67.47
321349	30-Jun-11	OCE NORTH AMERICA	15,271.32
321350	30-Jun-11	ONESOURCE	216.71
321351	30-Jun-11	ORACLE AMERICA,	1,179,493.29
321352	30-Jun-11	ORANGE COUNTY TREASURER	3,675.00
321353	30-Jun-11	PACIFIC LIFE & HEALTH	3,037.31
321354	30-Jun-11	PARSA, HELEN G	150.00
321355	30-Jun-11	PASCAL & LUDWIG	38,320.00
321356	30-Jun-11	PASCAL & LUDWIG	344,880.00
321357	30-Jun-11	PHILCO	14,130.00
321358	30-Jun-11	PROPERTY MANAGEMENT OF IRVINE	29.28
321359	30-Jun-11	PRUDENTIAL OVERALL SUPPLY	599.22
321360	30-Jun-11	PSOMAS	2,341.36
321361	30-Jun-11	PURE EFFECT INC	5,340.00
321362	30-Jun-11	REYNOSO-BLAND,	105.51
321363	30-Jun-11	RJS SOFTWARE	1,900.00
321364	30-Jun-11	ROBLES, ROBERTA	28.29
321365	30-Jun-11	SANTA MARGARITA WATER DISTRICT	48,467.81
321366	30-Jun-11	SEPARATION	3,633.00
321367	30-Jun-11	SIN, MINHYE	37.23
321368	30-Jun-11	SIRIUS COMPUTER	4,555.00
321369	30-Jun-11	SIROIS, LORI	25.84
321370	30-Jun-11	SOUTH COAST AIR	2,047.06
321371	30-Jun-11	SOUTHERN	73,906.09
321372	30-Jun-11	SPEES, TIM	25.74
321373	30-Jun-11	T AND S LARSEN	360.00

321374	30-Jun-11	THE GAS COMPANY	104.44
321375	30-Jun-11	THE NEW HOME	81.19
321376	30-Jun-11	TRANSCEND INVESTMENT	49.67
321377	30-Jun-11	TROPICAL PLAZA	12,075.19
321378	30-Jun-11	VAHIL, LILLY	15.00
321379	30-Jun-11	VERIZON CALIFORNIA	12,227.37
321380	30-Jun-11	VERIZON CALIFORNIA	382.60
321381	30-Jun-11	VWR INTERNATIONAL,	2,889.70
321382	30-Jun-11	WALTERS WHOLESALE	10.91
321383	30-Jun-11	Watson Hydraulics,	95.43
321384	30-Jun-11	WECK LABORATORIES	225.00
321385	30-Jun-11	WHITECOTTON, C	30.41
321386	30-Jun-11	WILEY, BRANDI	16.62
321387	30-Jun-11	WINGTIP, LLC	11,500.00
321388	30-Jun-11	BAKERSFIELD WELL & PAY	111,600.00
321389	30-Jun-11	INSITUFORM TECHNOLOGIES	623,764.45
		TOTAL CHECK DISBURSEMENTS	10,308,551.08

July 25, 2011
Prepared by: R. Joshi/R. Mori
Submitted by: K. Burton
Approved by: Paul Cook



CONSENT CALENDAR

MANNING WATER TREATMENT PLANT UPGRADES PROJECT
BUDGET INCREASE AND FINAL ACCEPTANCE

SUMMARY:

Construction of the Manning Water Treatment Plant (WTP) Upgrades Project is complete. The Contractor, S.S. Mechanical, Inc. has completed the required work and all punch list items. A budget increase and Expenditure Authorization for a total of \$157,500 is requested to cover the final project costs, change orders, and additional staff time. The project has received final inspection and acceptance of construction is recommended.

BACKGROUND:

The Manning WTP Upgrades Project was implemented in three phases. The Phase I modifications involved a number of improvements as required by the California Department of Public Health (DPH) including installation of turbidimeters on each stage-two filter vessel, modifications to the disinfection control loop, installation of in-line pH and temperature probes for continuous monitoring of treated water, and revisions to the Operations Plan. The Phase II modifications facilitated the conversion of the plant disinfection system from free chlorine to chloramines using temporary chemical storage and feed facilities. The final Phase III improvements, this project, included installation of permanent chemical storage and feed facilities, replacement of the filter control panel, and replacement of the facility control panel. The Phase III improvements also increased the plant capacity from 300 gallons per minute (gpm) to 500 gpm. In May 2010, the Board awarded the construction of the Phase III improvements to S.S. Mechanical in the amount of \$339,692. Construction is complete and the project is ready for final acceptance by the Board.

Project Title:	Manning Water Treatment Plant Upgrades
Project No:	11161
Design Engineer:	RMC Water & Environment
Construction Management by:	IRWD Staff
Contractor:	S.S. Mechanical Corporation
Original Contract Cost:	\$339,692.00
Final Contract Cost:	\$397,412.12

Consent Calendar: Manning Water Treatment Plant Upgrades Project Final Acceptance

July 25, 2011

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Original Contract Days:	180
Substantial Completion Days:	210
Final Contract Days:	210
Total Budget:	\$968,200
Total Project Cost (Est.):	\$968,200

Final Change Order Approved On: March 28, 2011

FISCAL IMPACTS:

Project 11161 (1381) was included in the FY 2010-11 Capital Budget. A budget increase and Expenditure Authorization are requested as shown in the table below and in Exhibit "A" to fund the final costs for this project.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
11161	\$810,700	\$157,500	\$968,200	\$810,700	\$157,500	\$968,200

ENVIRONMENTAL COMPLIANCE:

This project is subject to CEQA and on May 8, 2010 the Board approved Addendum No. 1 to the Negative Declaration for the Manning Water Treatment Plant Improvements Project (November 1999). Addendum No. 1 was prepared in accordance to Section 15164 of the State CEQA Guidelines for the preparation of an addendum to a previously certified Negative Declaration.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE OF \$157,500, FROM \$810,700 TO \$968,200 FOR PROJECT 11161; APPROVE AN EXPENDITURE AUTHORIZATION FOR SAME AMOUNT; AND AUTHORIZE FILING OF A NOTICE OF COMPLETION AND THE PAYMENT OF THE RETENTION 35 DAYS AFTER THE DATE OF RECORDING THE NOTICE OF COMPLETION FOR THE MANNING WATER TREATMENT PLANT UPGRADES PROJECT 11161 (1381).

LIST OF EXHIBITS:

Exhibit "A" – Expenditure Authorization

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Exhibit "A"

Project Name: MANNING WATER TREATMENT PLANT UPGRADES
 Project No: 11161 EA No: 6

ID Split: Miscellaneous

Project Manager: UEMATSU, PATRICIA
 Project Engineer: MORI, RICHARD
 Request Date: June 23, 2011

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
155	100.0	CAPITAL FUND
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$810,700
This Request:	\$157,500
Total EA Requests:	\$968,200
Previously Approved Budget:	\$810,700
Budget Adjustment Requested this EA:	\$157,500
Updated Budget:	\$968,200
Budget Remaining After This EA	\$0

Comments:

Oracle 1381

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING OUTSIDE	0	0	0	0	0	0	6/10	12/10
ENGINEERING DESIGN - IRWD	40,000	50,000	90,000	40,000	50,000	90,000	11/06	4/09
ENGINEERING DESIGN - OUTSIDE	0	220,000	220,000	0	220,000	220,000	11/06	4/09
DESIGN STAFF FIELD SUPPORT	10,000	5,000	15,000	10,000	5,000	15,000	11/06	4/09
ENGINEERING - CA&I IRWD	0	50,000	50,000	0	50,000	50,000	5/10	12/10
ENGINEERING - CA&I OUTSIDE	0	50,000	50,000	0	50,000	50,000	5/10	12/10
CONSTRUCTION FIELD SUPPORT	25,000	10,000	35,000	25,000	10,000	35,000	5/10	12/10
CONSTRUCTION	110,000	350,000	460,000	110,000	350,000	460,000	5/10	12/10
LEGAL	0	2,000	2,000	0	2,000	2,000	5/10	12/10
Contingency - 5.00% Subtotal	(\$27,500)	\$73,700	\$46,200	(\$27,500)	\$73,700	\$46,200		
Subtotal (Direct Costs)	\$157,500	\$810,700	\$968,200	\$157,500	\$810,700	\$968,200		
Estimated G/A - 185.00% of direct labor*	\$138,800	\$212,800	\$351,600	\$138,800	\$212,800	\$351,600		
Total	\$296,300	\$1,023,500	\$1,319,800	\$296,300	\$1,023,500	\$1,319,800		
Direct Labor	\$75,000	\$115,000	\$190,000	\$75,000	\$115,000	\$190,000		

*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] 6/24/11

Department Director:

[Signature: Kevin L. Burton] 7/8/11

Finance:

Board/General Manager:

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$1,347,000. 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.

July 25, 2011

Prepared by: R. Sundberg/M. Cortez

Submitted by: K. Burton

Approved by: Paul Cook 

CONSENT CALENDAR

PLANNING AREA 39 PHASE I – SUPPLEMENTAL REIMBURSEMENT AGREEMENT

SUMMARY:

Irvine Community Development Company (ICDC) is resuming development of Planning Area 39 (PA 39) Phase I. Along with site demolition, mass grading and construction of storm drain improvements, ICDC will also construct IRWD sewer capital facilities under a Supplemental Reimbursement Agreement. Staff recommends that the Board:

- Authorize a budget increase for project 20445 in the amount of \$434,500, from \$276,100 to \$710,600;
- Approve an Expenditure Authorization for Project 20445 for \$710,600; and
- Authorize the General Manager to execute a Supplemental Reimbursement Agreement with ICDC for design and construction of sewer capital facilities for the PA 39, Phase I Project.

BACKGROUND:

IRWD and ICDC have had a Reimbursement Agreement (RA) for construction of IRWD capital facilities in place since May 1997. Under this RA, a Supplemental Reimbursement Agreement serves to define the improvements to be designed and constructed within a specific Planning Area as well as the estimated reimbursable costs.

ICDC is moving forward with the Phase I construction of the PA 39 development. PA 39 is bounded by I-405 to the north, Irvine Center Drive to the east, Bake Parkway to the south, and San Diego Creek to the west; the PA 39 Site Map is provided as Exhibit "A". The required IRWD domestic water, sewer, and recycled water capital facilities are documented in the 90% draft of the PA 39 Sub-Area Master Plan, prepared by Stantec in May 2011.

ICDC retained RBF Consulting to design the Phase I capital sewer facilities as shown in Exhibit "B". Approximately 2,950 LF and 1,000 LF of 12- and 15-inch sewer will be constructed as part of ICDC's Contract "B0". The aggregate Phase I project improvements include site demolition and mass grading, and construction of the storm drain and sewer systems. The design and construction of the IRWD facilities will be performed under the terms of a Supplemental Reimbursement Agreement between IRWD and ICDC. The Supplemental Reimbursement Agreement, attached as Exhibit "C", has been reviewed by IRWD's legal counsel.

ICDC received bids from eight contractors on June 28, 2011 for the PA 39 Phase I project. FYDAQ was the low bidder for the IRWD facilities with a bid amount of \$424,915.77. In addition, ICDC received consultant proposals for construction administration assistance, construction surveying and geotechnical soils testing for the sewer facilities. Staff reviewed the

proposals and the construction bids and found the amounts to be acceptable. A summary of the sewer construction bids and construction phase engineering costs is shown in Exhibit "D".

FISCAL IMPACTS:

Project 20445 (1662) is included in the FY 2011-12 Capital Budget. A budget increase and Expenditure Authorization are requested as shown in the table below and in Exhibit "F", to fund the design and construction.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
20445	\$276,100	\$434,500	\$710,600	\$-0-	\$710,600	\$710,600

ENVIRONMENTAL COMPLIANCE:

The Supplemental Reimbursement Agreement is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15061 (b) (3), in that CEQA applies only to projects which have the potential for causing a significant effect on the environment.

Execution of the subject agreement would provide for the construction of the capital facilities for Planning Area 39. The work would be subject to the California Environmental Quality Act (CEQA) in conformance with the California Code of Regulations Title 14, Chapter 3, Article 7. An Environmental Impact Report SCH #2005081099 was certified by the City of Irvine on February 14, 2006.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on July 19, 2011.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE FOR PROJECT 20445 IN THE AMOUNT OF \$434,500, FROM \$276,100 TO \$710,600; APPROVE AN EXPENDITURE AUTHORIZATION FOR PROJECT 20445 (1662) FOR \$710,600; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A SUPPLEMENTAL REIMBURSEMENT AGREEMENT WITH IRVINE COMMUNITY DEVELOPMENT COMPANY FOR DESIGN AND CONSTRUCTION OF CAPITAL FACILITIES FOR THE PA 39, PHASE I DEVELOPMENT.

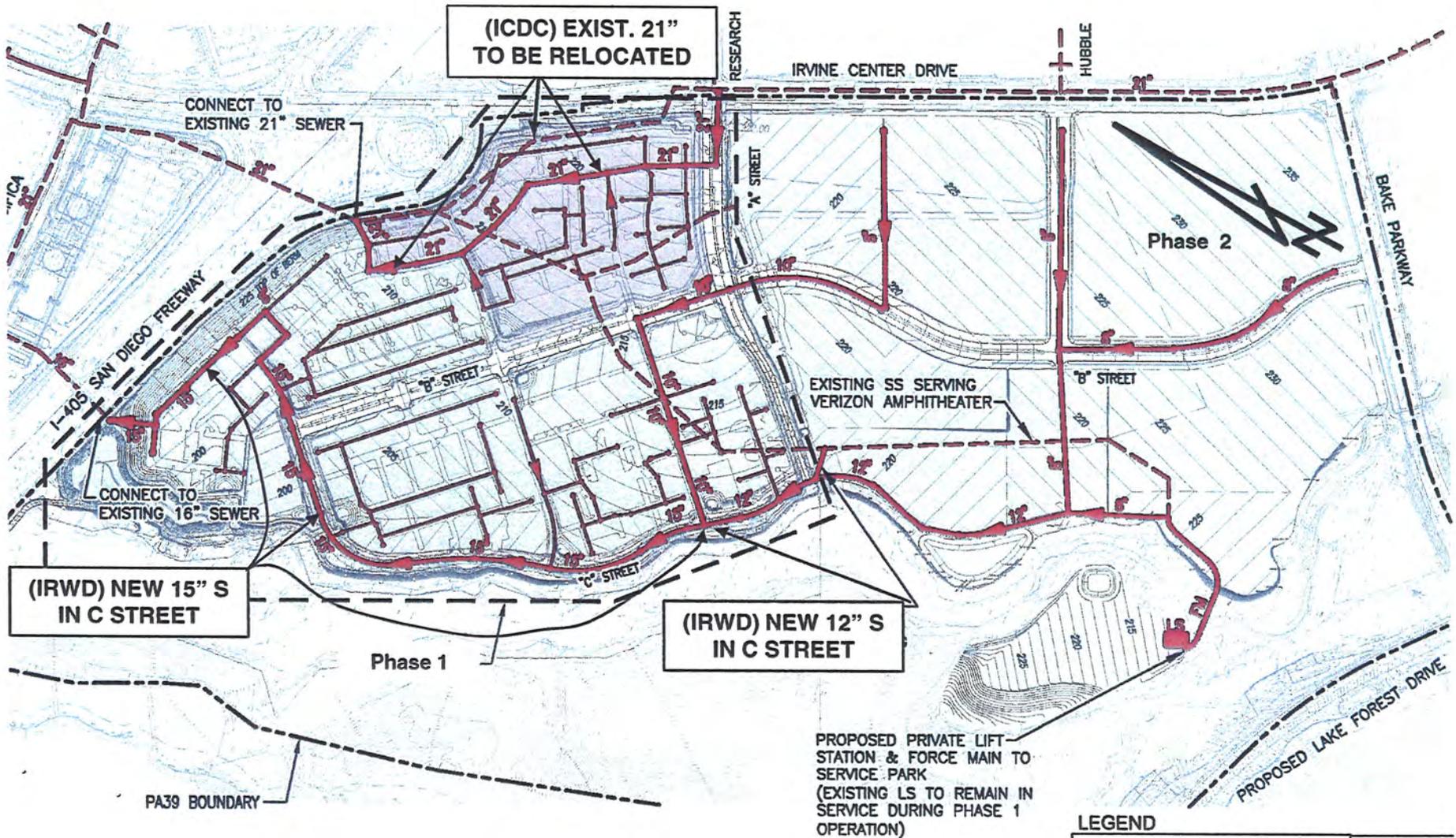
LIST OF EXHIBITS:

- Exhibit "A" – Planning Area 39 Map
- Exhibit "B" – Capital Sewer System Map
- Exhibit "C" – Supplemental Reimbursement Agreement
- Exhibit "D" – Bid Summary for Design and Construction of IRWD Capital Sewer Facilities
- Exhibit "E" – Expenditure Authorization



Exhibit "A"

PA 39 ICDC Development



LEGEND
 () Denotes Responsible Party for Capital Facility Costs

**Sewer PA 39
 Phase 1 ICDC Development**

Exhibit "B"

Exhibit "C"

Exhibit "A"
to
Reimbursement Agreement

SUPPLEMENTAL REIMBURSEMENT AGREEMENT

BY AND BETWEEN

IRVINE RANCH WATER DISTRICT

AND

THE IRVINE COMPANY

This SUPPLEMENTAL REIMBURSEMENT AGREEMENT ("Agreement") is entered into as of this ____ day of _____, 20____, by and between Irvine Ranch Water District, a California water district formed and existing pursuant to the California Water District Law of the state of California ("IRWD"), and The Irvine Company ("TIC"). All capitalized terms used herein and not otherwise defined shall have the meanings given such terms in the Reimbursement Agreement.

WHEREAS, IRWD and TIC have previously entered into that certain Reimbursement Agreement dated May 21, 1997 ("Reimbursement Agreement") respecting construction of Capital Facilities; and

WHEREAS, said Reimbursement Agreement made reference to the fact that certain supplemental agreements would be entered into by the parties regarding construction of Capital Facilities and reimbursement therefor consistent with the provisions of said Reimbursement Agreement; and

WHEREAS, the parties now wish to enter this Agreement regarding the construction of Capital Facilities described below, subject to all of the terms of the Reimbursement Agreement, except as provided herein.

NOW, THEREFORE, the parties hereto, in consideration of the mutual promises and covenants hereinafter set forth, do agree as follows:

1. Except as provided herein, the parties hereby incorporate by reference all of the terms and conditions of the Reimbursement Agreement into this Agreement.

2. The name of the Project to which this Agreement pertains is:
PA39 Phase I Capital Facilities.

The Project is depicted on Exhibit 1 attached to this Agreement.

3. The Capital Facilities to be constructed pursuant to this Agreement are as follows: [describe type, diameter, approximate linear footage, etc; include any detailed drawing as Exhibit 3 if needed]

Approximately 4,100 feet of 12-inch diameter domestic water pipeline; 2,950 and 1,000 feet of 12-inch and 15-inch diameter trunk sewer; and 850 and 2,800 feet of 6-inch and 24-inch diameter recycled water. The Capital Facilities **do** / **do not** [check appropriate box] include any facilities that are a part of the Michelson/ Los Alisos Reclamation Plants Upgrades and Distribution System Expansion Project identified in the Agreement No. 61719 2003 LRP Local Resources Program Agreement, entered into as of June 13, 2005, by and between IRWD and the Metropolitan Water District of Southern California (the "MWD Local Project").

4. The total costs for the Capital Facilities shall include, but not be limited to, the actual costs for construction, surveying, compaction testing, permits, construction bonds, legal fees and an administration fee equal to one percent (1%) of the actual cost of construction (all such actual costs are collectively referred to as the "Costs"). The estimated amount of the Costs is \$2,422,984.

5. The following special terms apply to the construction of the Capital Facilities under this Agreement and supersede the provisions of the original Reimbursement Agreement referenced above: "The "Costs" shall also include consultant design and consultant construction administration assistance."

6. In accordance with Section 10 of the Reimbursement Agreement, TIC is executing concurrently herewith an Assignment Agreement in the form of Exhibit 2, to be effective upon the Effective Date specified in the Assignment Agreement.

7. If the box in Section 3 above has been checked to indicate that any of the Capital Facilities are a part of the MWD Local Project, then TIC shall include the following language in its agreements with any consultant or contractor retained by TIC to work on the Capital Facilities:

"[Contractor / Consultant] agrees at its sole cost and expense to protect, indemnify, defend, and hold harmless Metropolitan Water District of Southern California, Municipal Water District of Orange County, and each of their respective Boards of Directors, officers, representatives, agents and employees from and against any and all claims and liability of any kind (including, but not limited to, any claims or liability for injury or death to any person, damage to property, natural resources or the environment, or water quality problems) that arise out of or relate to any act or omission of [Contractor / Consultant] in the performance of this agreement. Such indemnity shall include all damages and losses related to any claim made, whether or not a court action is filed, and

shall include attorney fees, administrative and overhead costs, engineering and consulting fees and all other costs related to or arising out of such claim of liability.”

IN WITNESS WHEREOF, the parties have entered this Agreement as of the date set forth above.

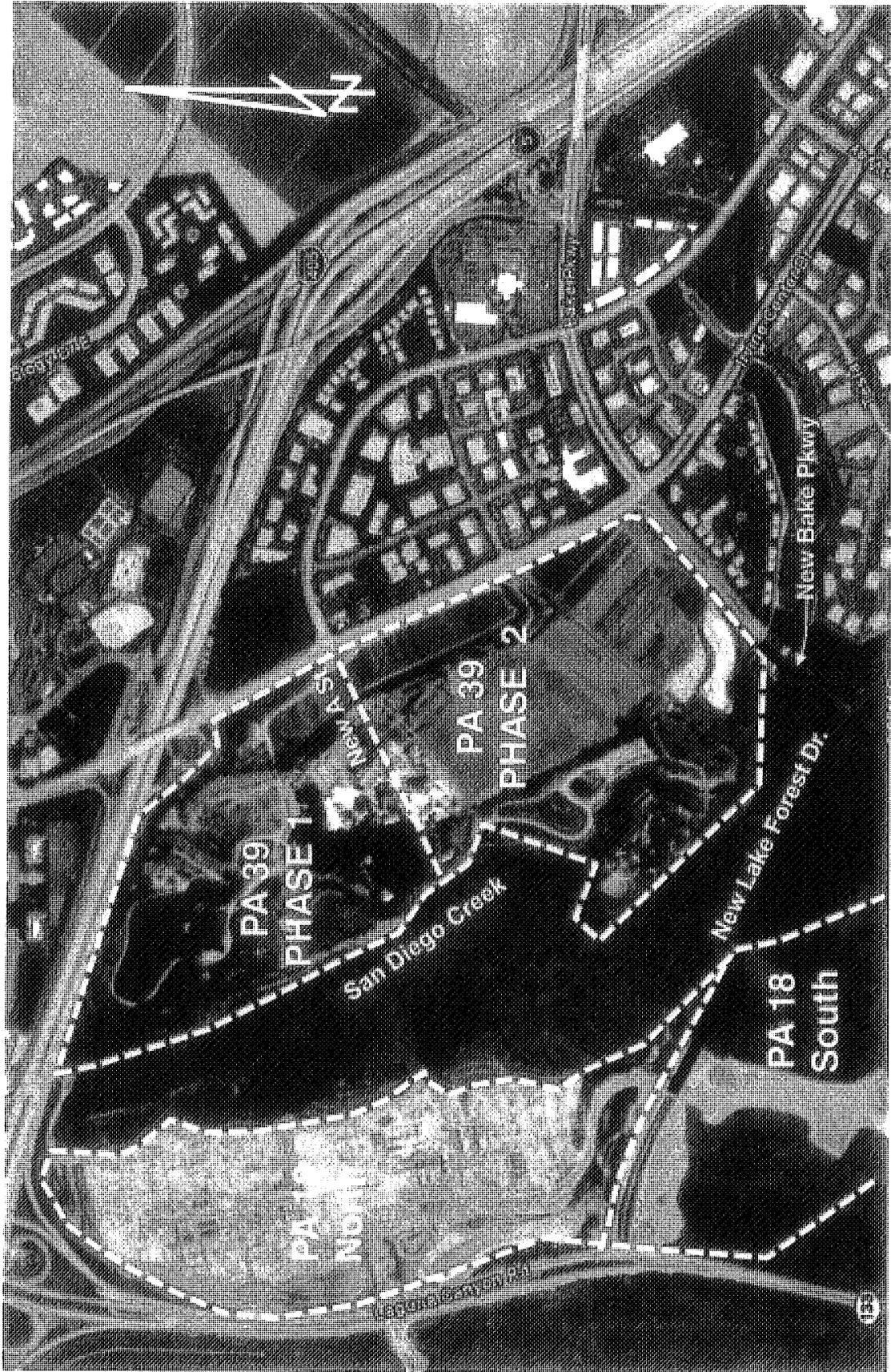
IRVINE RANCH WATER DISTRICT

THE IRVINE COMPANY

By: _____
General Manager

By: _____
Title: _____

By: _____
Title: _____



PA 39 ICDC Development

Exhibit "2"
to
Supplemental Reimbursement Agreement
Assignment Agreement

This ASSIGNMENT AGREEMENT is made as of _____, 20____, by and between THE IRVINE COMPANY, a corporation, dba Irvine Industrial Company ("Assignor"), to IRVINE RANCH WATER DISTRICT, a California water district formed and existing pursuant to the California Water District Law of the State of California ("Assignee") based upon the following recitals:

A. Assignor has previously (or will, prior to the Effective Date hereof, have) entered into that certain Construction Contract relating to the Project and Capital Facilities identified in Schedule A hereto (the "Construction Contract").

B. Assignee desires to acquire (I) Assignor's right, title and interest in and to the Capital Facilities constructed under the Construction Contract, and (II) the warranty rights of Assignor as to the Capital Facilities under the Construction Contract, and Assignor desires to assign such rights to Assignee.

NOW, THEREFORE, in consideration of the foregoing, the covenants and agreements contained herein and other valuable consideration, receipt of which is hereby acknowledged, the parties hereto agree as follows:

1. ASSIGNMENT. Effective upon the date specified in Section 2 hereof (the "Effective Date"), Assignor assigns and transfers to Assignee all of Assignor's right, title, claim and interest in and to (a) the Capital Facilities constructed pursuant to the Construction Contract, and (b) the warranties and guarantees of contractor as to the Capital Facilities constructed pursuant to the Construction Contract. This Assignment is made by Assignor pursuant to the provisions of Section 10, entitled "Assignment of Interest", contained in that certain Reimbursement Agreement between Assignor and Assignee dated as of May 21, 1997.

2. EFFECTIVE DATE. The Effective Date shall be the date of the filing of the Notice of Completion for the Construction Contract unless a different date is inserted in the following space: _____

3. TRANSFER OF DOCUMENTATION. On or prior to the Effective Date, Assignor shall provide Assignee with a copy of the Construction Contract.

IN WITNESS WHEREOF, Assignor has executed this Assignment Agreement as of the date first above written.

ASSIGNOR:

THE IRVINE COMPANY, a corporation,
dba Irvine Industrial Company

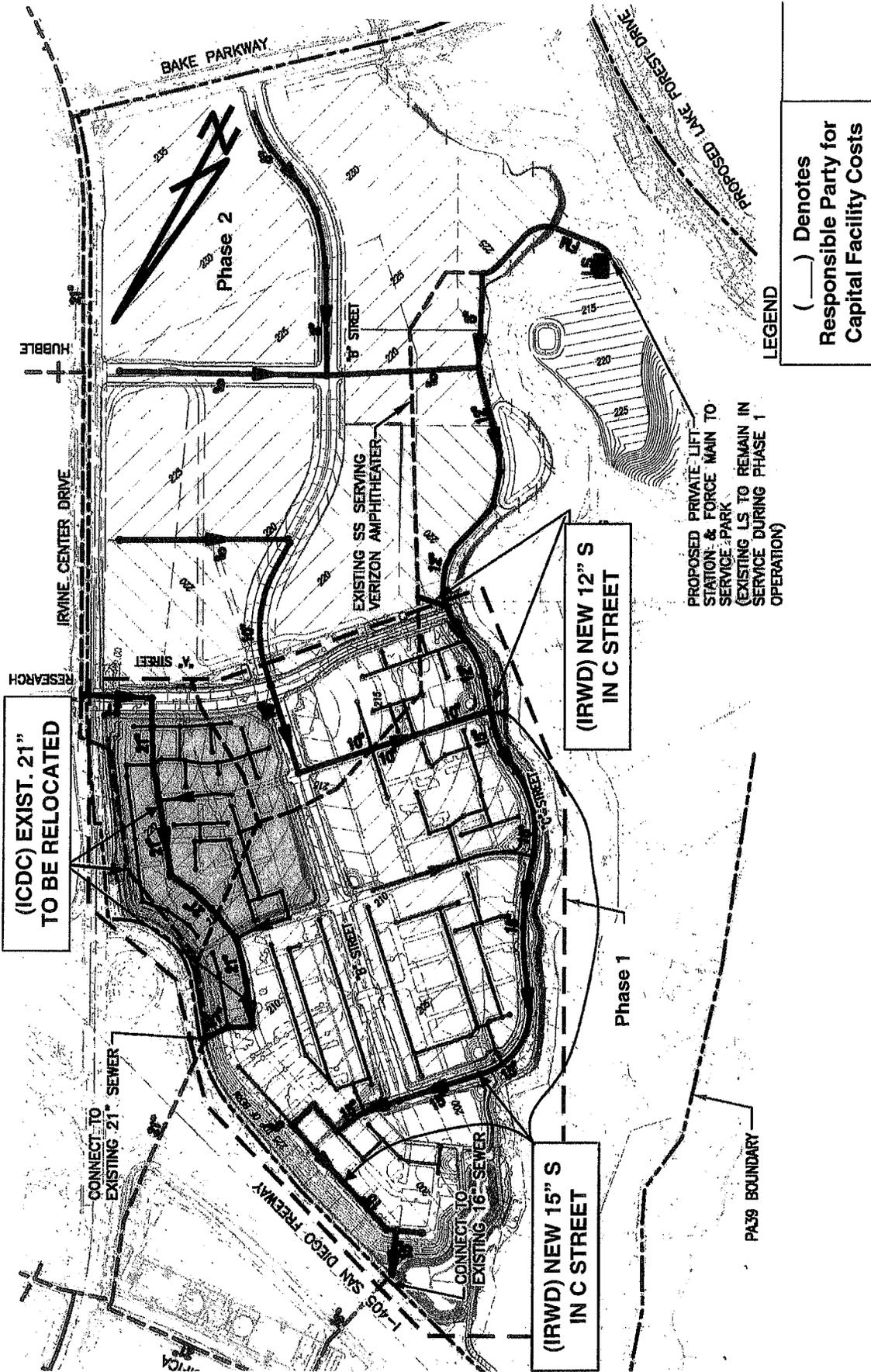
By: _____

Title: _____

By: _____

Title: _____

Exhibit "3"



Sewer PA 39 Phase 1 ICDC Development

Schedule A
to
Assignment Agreement

This Schedule A to Assignment Agreement relates to the assignment of certain matters pursuant to the Supplemental Reimbursement Agreement between Assignor and Assignee dated _____ (“Supplemental Reimbursement Agreement”).

Insert name of Project from Section 2 of Supplemental Reimbursement Agreement: _____

Insert description of Capital Facilities from Section 3 of Supplemental Reimbursement Agreement: _____

Contractor’s Name: _____

License No. _____

Address: _____

Phone #: _____ Fax #: _____

Contact Person: _____

EXHIBIT "D"

PRE-BID DATE: 40,696.00
 BID OPENING DATE: 40,723.00
 WITNESSED BY: Mandy Lee, Marisa Bohac

3RD BIDDER CLEARWATER
 4TH BIDDER KENNEDY
 5TH BIDDER KEC
 6TH BIDDER BOURDEAU
 7TH BIDDER SUKUT

ENGINEER'S ESTIMATE	LOW BIDDER L&S	2ND BIDDER FYDAG	3RD BIDDER CLEARWATER	4TH BIDDER KENNEDY	5TH BIDDER KEC	6TH BIDDER BOURDEAU	7TH BIDDER SUKUT	
1 LS 10,000.00	7,000.00	1,000.00	3,800.00	3,500.00	9,000.00	9,000.00	10,000.00	
1 LS 5,000.00	1,000.00	2,500.00	1,725.00	1,200.00	1,000.00	1,400.00	2,000.00	
1 LS 25,000.00	15,500.00	2,000.00	36,500.00	3,500.00	13,000.00	39,000.00	12,000.00	
1,064 LF 225.00	71.00	68.65	53.70	83.932.00	67.00	72.268.00	70.00	
677 LF 180.00	50.00	75.80	39.604.50	60.00	40.820.00	66.00	55.00	
2,273 LF 28.00	41.00	43.80	48.55	110.354.15	59.00	113.850.00	50.00	
272 LF 23.00	37.00	19.50	37.15	14,144.00	85.00	23,120.00	72.00	
110 LF 21.00	29.00	50.47	35.30	3,983.00	200.00	22,000.00	112.00	
180 LF 150.00	360.00	262.65	42,024.00	210.00	33,600.00	39,200.00	190.00	
50 LF 140.00	360.00	256.47	15,250.00	205.00	10,250.00	11,300.00	180.00	
13 EA 2,700.00	2,950.00	3,081.33	4,445.00	3,100.00	2,600.00	33,800.00	4,500.00	
13 EA 400.00	250.00	705.00	1,025.00	750.00	1,900.00	24,700.00	3,500.00	
13 EA 400.00	375.00	4,875.00	435.00	525.00	733.00	9,958.00	450.00	
6 EA 5,500.00	5,250.00	8,493.50	7,175.00	5,100.00	3,600.00	21,600.00	5,000.00	
6 EA 1,000.00	2,800.00	705.00	1,025.00	750.00	2,900.00	17,400.00	4,000.00	
5 EA 1,000.00	375.00	2,250.00	435.00	525.00	675.00	2,700.00	450.00	
14 EA 1,500.00	700.00	915.25	1,075.00	550.00	3,300.00	46,200.00	1,500.00	
1 EA 1,000.00	105.00	250.00	50.00	55.00	47.00	35.00	50.00	
1 LS 2,100.00	2,100.00	2,100.00	2,100.00	2,100.00	2,100.00	2,100.00	2,100.00	
1 LS 2,500.00	4,200.00	2,000.00	5,500.00	3,000.00	3,300.00	12,600.00	5,000.00	
1 LS 5,000.00	2,800.00	2,200.00	500.00	1,500.00	6,400.00	1,500.00	1.00	
1 LS 10,000.00	1.00	1.00	500.00	750.00	2,200.00	4,000.00	21,000.00	
1 LS 10,000.00	7,700.00	5,329.88	8,280.00	6,325.00	4,000.00	9,000.00	3,800.00	
							533,070.00	537,295.00
							433,812.00	536,008.00
							484,481.25	547,270.00

III. DELETABLES ITEMS
 IRVINE RANCH WATER DISTRICT (IRWD) CAPITAL FACILITY IMPROVEMENTS (ITEMS MAY OR MAY NOT INCLUDED AS PART OF THE CONTRACT)

E. GENERAL NOTES

- 1 GENERAL NOTES (NOT TO EXCEED 2% OF CONTRACT ITEMS E THROUGH G)
- 2 DEVELOP CONSTRUCTION WATER (E-G)
- 3 Dewatering including stabilization course
- 4 install 15' extra strength vitrified clay pipe (VCP)
- 5 install 12' extra strength vitrified clay pipe (VCP)
- 6 install 12' sdr 35 pvc pipe
- 7 install 6" sdr 35 pvc pipe
- 8 install 30" steel casing
- 9 install 27" steel casing
- 10 install 48" diameter manhole (and leave shaft and manhole at 5'-6" above top of sewer) - phase 1
- 11 install 48" diameter manhole (and leave shaft and manhole at 5'-6" above top of sewer) - phase 2
- 12 install 60" diameter manhole (and leave shaft and manhole at 5'-6" above top of sewer) - phase 3
- 13 adjust 60" diameter manhole with base designed by RCE (and leave shaft and manhole at 5'-6" above top of sewer) - phase 1
- 14 adjust 60" diameter manhole to final rough grade (including grading around manhole shaft) - phase 2
- 15 adjust 60" diameter manhole adjustment to final rough grade (including grading around manhole shaft) - phase 2
- 16 install 8" plug and terminal cleanout for sewer
- 17 install 12" plug for sewer
- 18 video taping and air test or constructed 15" sanitary sewer (performed by Morris tested, inc.) allowance
- 19 sewer plugs, setting plugs, air compressors, ladders & confined space equipment in preparation for Morris tested, inc work
- 20 coordination of spoil with 11' contractor
- 21 dispose of spoil in owners balance area
- 22 all else required to complete the capital sewer as shown on plans, specifications & agency standards but not shown on schedule of values
- 23 payment and performance

G. PAYMENT AND PERFORMANCE
 23 PAYMENT AND PERFORMANCE BONDS (SECTIONS E-F)

TOTAL IRWD DELETABLES:	533,070.00	433,812.00	484,481.25	433,379.00	537,295.00	536,008.00	547,270.00
------------------------	------------	------------	------------	------------	------------	------------	------------

8TH BIDDER
KAWA

8TH BIDDER
LEATHERWOOD

11,500.00	11,500.00	11,000.00	11,000.00
5,750.00	5,750.00	5,000.00	5,000.00
69,692.00	69,692.00	21,000.00	21,000.00
76.00	76,304.00	115.00	115,460.00
71.00	40,067.00	50.00	33,850.00
66.00	150,018.00	60.00	136,390.00
71.00	19,312.00	55.00	14,960.00
75.00	8,250.00	65.00	7,150.00
386.00	61,760.00	425.00	66,000.00
374.00	19,700.00	450.00	22,500.00
4,159.00	54,067.00	3,400.00	44,200.00
2,707.00	35,191.00	1,000.00	13,000.00
563.00	7,319.00	500.00	6,500.00
7,894.00	47,364.00	4,600.00	27,600.00
3,572.00	21,432.00	1,600.00	9,600.00
736.00	4,416.00	500.00	3,000.00
969.00	13,846.00	1,200.00	16,800.00
1,165.00	1,165.00	100.00	100.00
2,100.00	2,100.00	2,100.00	2,100.00
5,587.00	5,587.00	16,000.00	16,000.00
15,196.00	15,196.00	5,000.00	5,000.00
11,500.00	11,500.00	3,000.00	3,000.00
8,841.00	<u>8,841.00</u>	8,400.00	<u>8,400.00</u>
	<u>697,377.00</u>		<u>590,600.00</u>

D-2

Consultant Name	Project	Description	Amount	PR Number
RBF	PA39	IRWD Capital	\$38,186.00	10011323
NMG	PA39	IRWD Rough Grading & Improvement Plans	\$5,204.00	10011757
Hunsaker	PA39	Lake Bake Extension of Water Main	\$15,408.00	10012953
SAIC	PA18	IRWD Capital Improvement Plans Lake Forest Drive	\$45,430.00	10012743
SAIC (ChangeOrder)	PA18	IRWD Capital Improvement Plans Lake Forest Drive	\$19,000.00	10012743

IRVINE RANCH WATER DISTRICT
Expenditure Authorization

EXHIBIT "E"

Project Name: PA39 SEWER PIPELINES (PHASE 1)
Project No: 20445 EA No: 1
Project Manager: CORTEZ, MALCOLM
Project Engineer: SUNDBERG, RANDALL
Request Date: July 7, 2011

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
230	100.0	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$710,600
Total EA Requests:	\$710,600
Previously Approved Budget:	\$276,100
Budget Adjustment Requested this EA:	\$434,500
Updated Budget:	\$710,600
Budget Remaining After This EA	\$0

Comments:

Oracle PR 1662

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	10,000	0	10,000	(10,000)	20,000	10,000	7/11	9/11
ENGINEERING DESIGN - OUTSIDE	35,000	0	35,000	(5,000)	40,000	35,000	7/11	9/11
DESIGN STAFF FIELD SUPPORT	2,000	0	2,000	0	2,000	2,000	9/11	6/12
ENGINEERING - CA&I IRWD	40,000	0	40,000	20,000	20,000	40,000	9/11	8/12
ENGINEERING - CA&I OUTSIDE	51,000	0	51,000	11,000	40,000	51,000	9/11	8/12
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	3,000	2,000	5,000	9/11	8/12
CONSTRUCTION	500,000	0	500,000	375,000	125,000	500,000	9/11	8/12
LEGAL	3,000	0	3,000	1,000	2,000	3,000	7/11	8/12
Contingency - 10.00% Subtotal	\$64,600	\$0	\$64,600	\$39,500	\$25,100	\$64,600		
Subtotal (Direct Costs)	\$710,600	\$0	\$710,600	\$434,500	\$276,100	\$710,600		
Estimated G/A - 180.00% of direct labor*	\$102,600	\$0	\$102,600	\$23,400	\$79,200	\$102,600		
Total	\$813,200	\$0	\$813,200	\$457,900	\$355,300	\$813,200		
Direct Labor	\$57,000	\$0	\$57,000	\$13,000	\$44,000	\$57,000		

*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:

Randy J. Sundberg (Signature) 7-7-11

Department Director:

Kevin L. Burton (Signature) 7-12-11

Finance:

Board/General Manager:

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$830,000. 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.

July 25, 2011

Prepared by: P. Weghorst

Submitted by: G. Heiertz

Approved by: Paul Cook 

CONSENT CALENDAR

STOCKDALE WEST RANCH PILOT PROJECT CONTRACT CHANGE ORDER NO. 1

SUMMARY:

The Stockdale West Ranch Pilot Project is being constructed by Wood Brothers, Inc. Additional work has been identified by staff as necessary to complete the project. In addition, two work items have been identified to be constructed at a later date. Staff recommends that the Board authorize the General Manager to execute Contract Change Order No. 1 with Wood Brothers for a net amount of \$44,021.

BACKGROUND:

On May 9, 2011, the Board approved a construction award to Wood Brothers for the Stockdale West Ranch Pilot Facilities (Pilot Project) subject to a not-to-exceed amount of \$2,500,000. A contract was executed and a notice to proceed was provided to Wood Brothers on May 27, 2011 in the amount of \$2,475,885. A location map for the Project is shown as Exhibit "A".

During the course of the ongoing work at the Pilot Project, several additional work items have been identified. In addition, two work items have been identified to occur after the Pilot Project is complete and recharge operations have ceased. These changes have been incorporated into Change Order No. 1 as described below.

Contract Change Order No. 1:

Change Order No. 1 is provided as Exhibit "B". The changes to the schedule of work are summarized as follows:

1. The 54-inch slide gate and flow meter associated with the 54-inch concrete pipe that will carry water from the Strand Ranch to the Pilot Project have a long-lead time for delivery which is beyond the July 29, 2011 requirement for the completion of all work. These items will be removed from the contract and installed next year under a separate agreement and after recharge activities have terminated at the Pilot Project. This change results in a \$29,900 reduction in the cost of the contract.
2. The headworks on the 54-inch concrete pipe will be modified to include weir boards for the control and measurement of flow into the Pilot Project. The installation includes steel work for an additional cost of \$13,702.25.
3. Rosedale-Rio Bravo Water Storage District requested the placement of two-sack slurry at the pipe haunch of the 54-inch RCP at the crossing of the Rosedale Intake Canal. The cost for this work will be \$5,829.

4. An additional earth embankment and a new drainage swale to be constructed to further protect the Pacific Gas & Electric (PG&E) substation on the northeast corner of the Pilot Project. This work will cost an additional \$53,240.
5. Gauges need to be installed in each of the four recharge basins for an additional cost of \$1,150.

Wood Brothers submitted a cost proposal for the above changes for a net sum of \$44,021. Staff, with the assistance of construction managers at Dee Jaspar and Associates, has negotiated the costs associated with the change order and considers them to be fair and reasonable.

FISCAL IMPACTS:

Sufficient Budget and Expenditure Authorization exist under contingency funds available for Project 11595.

ENVIRONMENTAL COMPLIANCE:

A Notice of Exemption was filed for the project consistent with a Class 6 Categorical Exemption as provided for in the CEQA guidelines. Mitigation measures similar to those from the Strand Ranch Integrated Banking Project Final Environmental Impact Report were incorporated as environmental commitments within the project description.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on July 19, 2011.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE CONTRACT CHANGE ORDER NO. 1 WITH WOOD BROTHERS IN THE AMOUNT OF \$44,021.

LIST OF EXHIBITS:

Exhibit "A" – Location Map

Exhibit "B" – Contract Change Order No. 1

Exhibit "A"

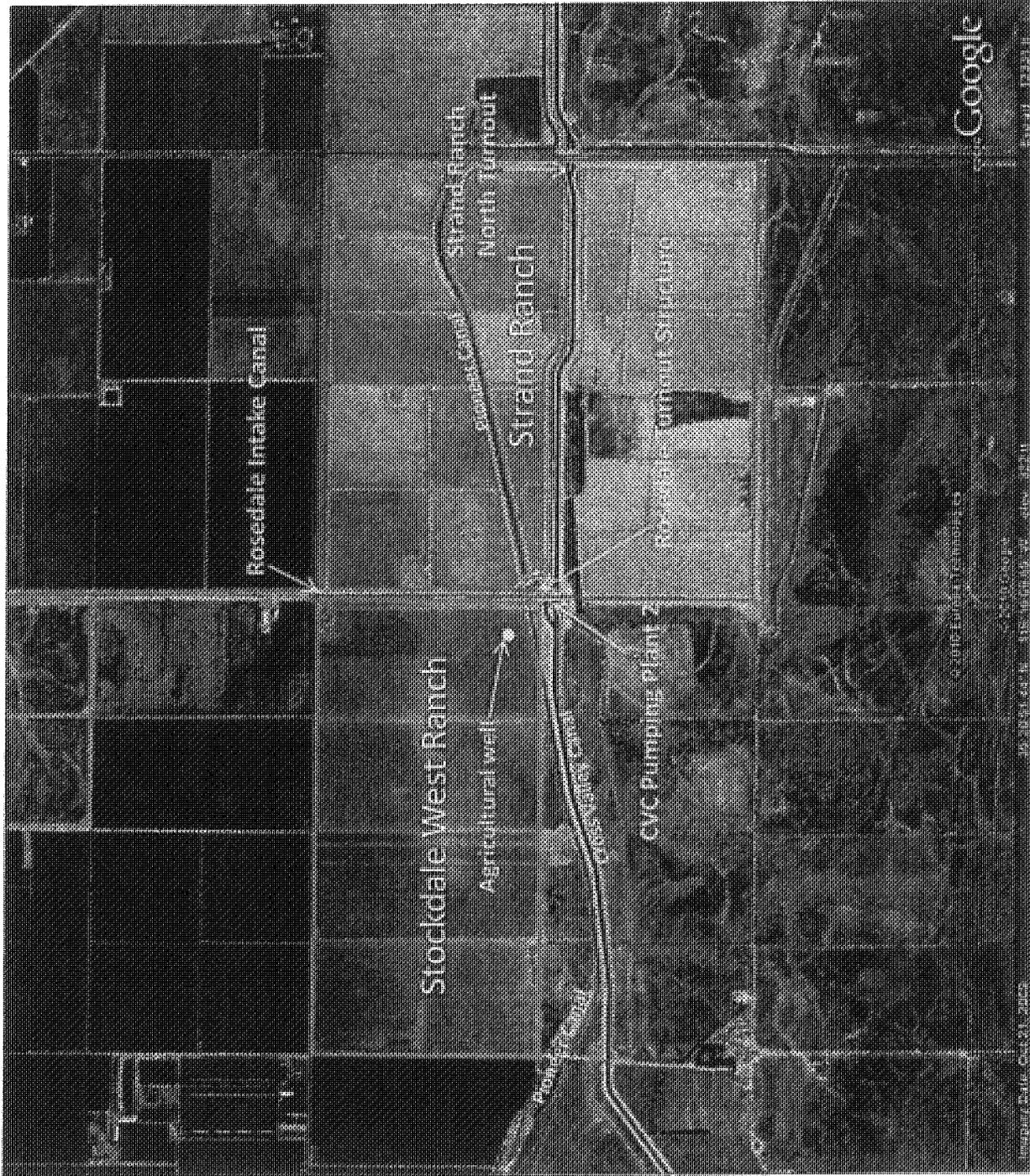


EXHIBIT "B"

CONTRACT CHANGE REQUEST IRVINE RANCH WATER DISTRICT

15600 Sand Canyon Avenue
Irvine California, 92618
(714) 453-5300

C.O. No. 01

Project No. 11595

Stockdale West Recharge Facilities Pilot Project

Date: July 7, 2011

Project Title

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
1. Additional cost to place two-sack cement slurry flowable fill at the pipe haunch of the 54-inch RCP for the RRBWSD Canal crossing.	\$5,829.00		+0
2. Additional cost to modify the RRBWSD Canal crossing headworks structure for 4" x 6" weir boards due to delay in slide gate delivery. Weir boards will be used for flow control and flow measurement.	\$13,702.25		+1
3. Additional cost to construct an earth berm around the south and west sides of the existing PG&E substation, an earth ditch along the easterly side of Basin #1 out to the south side of Stockdale Hwy, and constructing three earth ramps up onto the embankment levees.	\$53,240.00		+5
4. Additional cost to furnish and install staff gauges in the four basins and at the RRBWSD Headworks Structure.	\$1,150.00		+1
5. Removal of the 54" Slide Gate and Agriflow Ultrasonic Flow Meter from the Contract scope of work due to delivery dates beyond the project completion date.		\$29,900.00	
TOTAL =	\$73,921.25	\$29,900.00	+7
			DAYS ±

1. NET AMOUNT THIS CHANGE REQUEST	=	\$44,021.25	+7
2. ORIGINAL CONTRACT AMOUNT	=	\$2,475,885.00	65
3. TOTAL PREVIOUS CHANGE ORDERS	=	\$0.00	0
4. TOTAL BEFORE THIS CHANGE REQUEST (2+3)	=	\$2,475,885.00	65
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$2,519,906.25	+72

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

Forty-Four Thousand Twenty-One and 25/100's

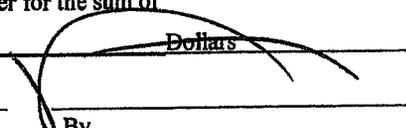
Dollars

July 7, 2011

Date

Wood Bros., Inc.

Name of Contractor

By 

IRVINE RANCH WATER DISTRICT

DATE

Curtis M. Shipp
IRWD Engineer or Consulting Engineer

7/8/11

Change Initiated by the District

[Signature]
Section Head

7/15/11

Change Initiated by the Contractor

~~Director~~

General Manager

NOTE: The documents supporting this Change Request, including any drawings and estimates of cost, if required are attached hereto and made a part hereof. This Request shall not be considered as such until it has been signed by the Owner and the Contractor. Upon final approval, distribution of copies will be made as required.

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

Appendix

Revised 05/01

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QUOTE
CONTRACT CHANGE ORDER

Item No. 1

IRVINE RANCH WATER DISTRICT
15600 Sand Canyon Avenue
Irvine, California 92718
(949) 453-5586



C.O. No. ?
 Final

Project No.

Stockdale West
Project Title

Date: *17 June 2011*

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
<p><i>Remove fill at Hammett and replace w/SLURRY</i></p> <p style="margin-left: 40px;"><i>Sub 5069⁰⁰</i></p> <p style="margin-left: 40px;"><i>WBI % 760⁰⁰ - 15% Mark-up</i></p> <p style="margin-left: 40px;"><i>5829⁰⁰</i></p>	<i>5829⁰⁰</i>		1
TOTAL	<i>5829⁰⁰</i>		1

1. NET AMOUNT THIS CHANGE ORDER	=		
2. ORIGINAL CONTRACT AMOUNT	=		
3. TOTAL PREVIOUS CHANGE ORDER(S)	=		
4. TOTAL BEFORE THIS CHANGE ORDER (2+3)	=		
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=		

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

FIVE THOUSAND EIGHT HUNDRED TWENTY NINE Dollars

17 June 2011 *WBI*
Date Contractor By

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
IRWD Engineer or Consulting Engineer	Date	Department Director Approval Required General Manager Approval Required Committee Approval Required Board Approval Required
IRWD Principal Engineer	Date	
Director of Engineering & Planning	Date	
General Manager	Date	
		By _____ Date _____
		Purchase Order No. _____

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

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

SUMMARY: Provide estimate to remove haunch under 54" RCP under Rosedale Canal & replace with flowable fill

PART I: ANALYSIS

A. BACKGROUND

It has been requested that WM Lyles provide an estimate to remove the fill material that has been installed around the haunch of the 54" RCP piping under the Rosedale Canal (approx 50ft) and install flowable fill to eliminate the potential for voids within the crosssection of the haunch.

B. COST IMPACT

DIRECT WORK

- a. Remove haunch material under 54" Piping (+/- 50if)
- b. Place sand slurry around the haunch (+/- 18 cy)

SUBCONTRACT WORK

- a. None
- b.

C. SCHEDULE IMPACT

- a. An Additional _1_ Days

PART II: SUMMARY

ITEM DESCRIPTION	TOTALS
A. GENERAL CONTRACTOR LABOR	1,754
B. MARKUP ON (A) @ 20%	351
C. GENERAL CONTRACTOR EQUIPMENT	939
D. MARKUP ON (C) @ 20%	188
E. MATERIALS	1,476
F. TAXES ON MATERIALS @ 8.25%	122
F. MARKUP ON (E) AT 15%	240
H. SUBCONTRACTOR TOTAL	0
I. MARKUP ON (H) AT 5%	0
J. BOND MARKUP (Not Included)	0
TOTAL PCO	\$5,069

PART III. DIRECT WORK

A. TAKEOFF, MATERIALS w/ TAX		QUANT	UN	UNIT PR	LABOR	NET LABOR	NET EQUIP	NET MATL	MATERIAL
a.	2 Sack Sand Slurry - Flowable fill	18	cy	75.74				1,363.36	
b.		0	ea	0.00		37.80		0.00	
c.		0	ea	0.00		110.21		0.00	
d.		0	ea	0.00		0.00		0.00	
e.		0	ea	0.00		17.11		0.00	
f.		0	ea	0.00		0.00		0.00	
MATERIAL TOTAL INCL. SALES TAX									1,475.83

B. LABOR & EQUIPMENT		QUANT	UN	UNIT PR	LABOR	NET LABOR	NET EQUIP	NET MATL	MATERIAL
a. Remove haunch material under 54" Piping (+/- 50lf)									
	Foreman	0.5	ea	75.61		37.80			
	Laborer	2	ea	55.10		110.21			
	Filter	0	ea	69.92		0.00			
	Operator	0.25	ea	68.44		17.11			
	Carpenters	0	ea	60.23		0.00			
	Mason	0	ea	60.10		0.00			
	Pick-up 3/4 tn	0.5	ea	12.60				6.30	
	Gang Truck, 1 tn	1	ea	14.10				14.10	
	Compressor & Tools	1	ea	15.80				15.80	
	Water Truck 4000 Gal	0	ea	34.20				0.00	
	Loader 950F	0	ea	59.90				0.00	
	Excavator	0.25	ea	149.10				37.28	
	Net					165.12		73.48	
	Total	8	hrs	1.00		8.00	1,320.96		587.80

b. Place sand slurry around the haunch (+/- 18 cy)						
Foreman	0.5 ea	75.61	37.80			
Laborer	2 ea	55.10	110.21			
Filter	0 ea	69.92	0.00			
Operator	1 ea	68.44	68.44			
Carpenters	0 ea	60.23	0.00			
Mason	0 ea	60.10	0.00			
Pick-up 3/4 in	1 ea	12.60			12.60	
Gang Truck, 1 in	1 ea	14.10			14.10	
Compressor & Tools	0 ea	15.80			0.00	
Water Truck 4000 Gal	0 ea	34.20			0.00	
Loader 950F	0 ea	59.90			0.00	
Excavator	1 ea	149.10			149.10	
Net			216.45		175.80	
Total	2 hrs	1.00	2.00	432.90		351.60
TOTAL DIRECT WORK						
			1,754			939

PART IV: SUBCONTRACT WORK

SUBCONTRACTORS	LABOR	MATL/EQUIP	SUB MU	TOTAL
a. None	0	0	0	0
b.	0	0	0	0
SUBCONTRACT TOTALS				0

Item No. 2



WOOD BROS., INC.
GENERAL ENGINEERING CONTRACTOR

Post Office Box 216 • 14147 18th Ave. Lemoore, CA 93245 • (559) 924-7715 (559) 924-4595 • License # 558257

June 29, 2011

Attention: Paul Weghorst
Irvine Ranch Water District
15600 Sand Canyon Ave
P.O. Box 57000
Irvine, CA 92619-7000

Subject – Stop Log Modifications

Reference – Stockdale West Recharge Facilities Pilot Project – Project NO. 11595

Dear Mr. Weghorst,

As per your request ~~in~~ please accept this proposal to modify the stop log guides in the Headworks structure at the above mentioned project. If you have any questions please feel free to contact me.

Our price to complete this work is \$ 13,702.25.

Thank you for the opportunity to provide you with a quote for the above work. Should you have any questions please feel free to contact either myself or Mike Sheffield.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brianna Hill', written in a cursive style.

Brianna Hill
Contract Administrator

SUMMARY: Change Request No. 1 (Rev 1)

ATTACHED TO:

PART I: ANALYSIS

A. BACKGROUND

We have been asked to provide a quote to modify the stop log guides in the Headworks structure on the IRWD-Stockdale West Recharge Facilities Pilot Project. Attached is a summary of the costs to perform this work. An additional 160ea 3" x 6" stop logs have been included but no additional labor.

Only items specifically mentioned in this proposal are included.

B. COST IMPACT

DIRECT WORK

- a. Install and Weld 2 EA Angles in Existing Guides
- b. Install and Weld Wide Flange Column
- c. Install 4 x 6 Stop Logs (40 EA)
- d.
- e.

SUBCONTRACT WORK

- a.
- b.

C. SCHEDULE IMPACT

PART II: SUMMARY

ITEM DESCRIPTION	TOTALS
A. GENERAL CONTRACTOR LABOR & EQPT	3,603
B. MARKUP ON (A) @ 20%	721
C. GENERAL CONTRACTOR MAT'L	6,498
D. MARKUP ON (C) @ 15%	975
E. SUBCONTRACTOR TOTAL	0
F. MARKUP ON (E) AT 5%	0
G. BOND MARKUP @ 1%	118
TOTAL PCO	\$11,915

WBSI 15% Mark-up : \$1,787.25

Total : \$13,702.25

PART III. DIRECT WORK

A. TAKEOFF. MATERIALS	QUANT	UN	UNIT PR	NET LABOR	LABOR	NET EQUIP	EQUIPMENT	NET MAT'L	MATERIAL
a. 2ea. - L 6 x 3 1/2 x 5/16 x 11'-0" (galv)	1	LS	3,897.00					3,897.00	
b. 1ea. - W6 x 15 x 11'-6" (galv)	0	Lot	0.00					Incl	
c. 1ea. - IS 4 x 4 x 1/4 x 0'-9 1/2" (galv)	0	ea	0.00					Incl	
d. 1ea. - PL 1/2 x 8 x 8 (galv)	0	ea	0.00					Incl	
e. Doug Fir 4 x 6, pressure treated (0.6) x 47 1/2'	40	ea	13.09					523.50	
f. Misc Welding rod, anchors	1	LS	150.00					150.00	
g. Doug Fir 3 x 6, pressure treated (0.6) x 47 1/2'	160	ea	12.05					1,928.00	
h.	0	ea	0.00					0.00	
MATERIAL TOTAL INCL. SALES TAX									6,498.50

B. LABOR & EQUIPMENT	QUANT	UN	UNIT PR	NET LABOR	LABOR	NET EQUIP	EQUIPMENT
a. Install and Weld 2 EA Angles in Existing Guides							
Foreman	1	ea	82.41	82.41			
Laborer	1	ea	60.06	60.06			
Fitter	0	ea	72.02	0.00			
Operator	0	ea	82.39	0.00			
Carpenters	1	ea	65.66	65.66			
Finisher	0	ea	65.51	0.00			
Pick-up 3/4 tn	1	ea	13.73			13.73	
Gang Truck, 1 tn	1	ea	15.37			15.37	
Compressor	0	ea	17.22	0.00		0.00	
Excavator 345	0.25	ea	162.52			40.63	
Loader 962H	0	ea	65.29			0.00	
Backhoe	0	ea	45.78			0	
Welder	1	ea	35.00			35.00	
	0	ea				0	
	0	ea				0	
	0	ea				0	
Net				208.13		104.73	
Total	6	hrs	1.00	6.00	1,248.78		628.38
b. Install and Weld Wide Flange Column							
Foreman	1	ea	82.41	82.41			
Laborer	1	ea	60.06	60.06			
Fitter	0	ea	72.02	0.00			
Operator	0	ea	82.39	0.00			
Carpenters	1	ea	65.66	65.66			
Finisher	0	ea	65.51	0.00			
Pick-up 3/4 tn	1	ea	13.73			13.73	
Gang Truck, 1 tn	1	ea	15.37			15.37	
Compressor	0	ea	17.22			0.00	
Excavator 345	0.25	ea	162.52			40.63	

Item No. 3



WOOD BROS., INC.
GENERAL ENGINEERING CONTRACTOR

Post Office Box 216 • 14147 18th Ave. Lemoore, CA 93245 • (559) 924-7715 (559) 924-4595 • License # 558257

July 6, 2011

Attention: Paul Weghorst
Irvine Ranch Water District
15600 Sand Canyon Ave
P.O. Box 57000
Irvine, CA 92619-7000

Subject – Earth Berm, Vditch Swale & Earthen Ramps

Reference – Stockdale West Recharge Facilities Pilot Project – Project NO. 11595

Dear Mr. Weghorst,

As per your request please accept this proposal for the construction of the earth berm adjacent to the PG&E Substation as per RFQ001 and a 12' Vditch along the east side of the levee around pond #1 extending past the PG&E Substation as shown in plan A1. Wood Bros., Inc will also build 3 earthen ramps at the corners of the levee as per plans. If you have any questions please feel free to contact me.

Our prices to complete this work is: \$53,240.00

Thank you for the opportunity to provide you with a quote for the above work. Should you have any questions please feel free to contact either myself or Mike Sheffield.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brianna Hill', written in a cursive style.

Brianna Hill
Contract Administrator

Item No. 4



WOOD BROS., INC.
GENERAL ENGINEERING CONTRACTOR

Post Office Box 216 • 14147 18th Ave. Lemoore, CA 93245 • (559) 924-7715 (559) 924-4595 • License # 558257

July 6, 2011

Attention: Paul Weghorst
Irvine Ranch Water District
15600 Sand Canyon Ave
P.O. Box 57000
Irvine, CA 92619-7000

Subject – Staff Guages

Reference – Stockdale West Recharge Facilities Pilot Project – Project NO. 11595

Dear Mr. Weghorst,

As per your request please accept this proposal to furnish and install the staff gauges in Basins #1, #2, #3, and #4 and one located in the RRBWSD Headworks Structure as requested in RFQ002. If you have any questions please feel free to contact me.

Our prices to complete this work is: \$1,150.00

Thank you for the opportunity to provide you with a quote for the above work. Should you have any questions please feel free to contact either myself or Mike Sheffield.

Sincerely,

Brianna Hill
Contract Administrator

July 25, 2011

Prepared by: S.Vazirnia

Submitted by: W. Posey

Approved by: Paul Cook *A. Cook*

CONSENT CALENDAR

WASTEWATER OPERATIONS FISCAL YEAR 2011-12 EXPENDITURE AUTHORIZATIONS

SUMMARY:

Staff recommends that the Board approve Expenditure Authorizations for the following annual Wastewater Operations projects that were approved in the Fiscal Year (FY) 2011-12 Capital Budget:

- Electric Motor Renovation FY 2011-12, Projects 11526 (1688), 21526 (1313), 31526 (1311);
- Chloramine Station Replacement FY 2011-12, Project 11505 (1598);
- Electronic Transmitter Replacement FY 2011-12, Projects 11534 (1682), 21534 (1322), 31534 (1428);
- Pump Replacement FY 2011-12, Projects 11512 (1613), 21012 (1274), 30350 (1747);
- Valve Replacement FY 2011-12, Projects 11517 (1636), 21517 (1260), 31517 (1374);
- UPS and Backup Power System Replacement FY 2011-12, Projects 11541 (1074), 21541 (1342), 31541 (1439);
- Dyer Well Field MOV Replacement FY 2011-12, Project 11572 (1235);
- Dyer Well Field Flow Meter Replacement FY 2011-12, Project 11573 (1240);
- VFD and Soft Start Drive Replacement FY 2011-12, Projects 11547 (1098), 21547 (1378); 31547 (1456);
- Pump Motor Protection FY 2011-12, Projects 11552 (1127), 21552 (1397), 31552 (1476);
- Manhole Rehabilitation FY 2011-12, Project 20922 (1175);
- Raise Manholes to Grade FY 2011-12, Project 20943 (1194);
- Sewer General System Modifications FY 2011-12, Project 20949 (1211);
- LAWRP Aerator Replacement FY 2011-12, Project 20968 (1232);
- LAWRP General System Modifications FY 2011-12, Project 21002 (1255);
- Anoxic Mixer Replacement FY 2011-12, Project 20916 (1160);
- MWRP General System Modifications FY 2011-12, Project 20909 (1142); and
- Sewer Service Line and Main Replacements FY 2011-12, Project 21101 (1700).

BACKGROUND:

The following annual Wastewater Operations projects are included in the FY 2010-11 Capital Budget:

Electric Motor Renovation FY 2010-11, Projects 11526 (1688), 21526 (1313), 31526 (1411):

These projects are to rebuild and rewind various electric motors throughout various District facilities. The lifecycle of most large motors is approximately 10 years; some high-use motors need to be serviced at five-year intervals to prevent a premature failure. Rewinding costs are approximately \$45 per rated horsepower (HP); motor service cost is approximately \$15 per HP. Each service or rewind is considered to be an alternative to the replacement of the motor due to the extension of the motor's life. Projects 11526, 21526 and 31526 are for \$60,000 each.

Chloramine Station Replacement FY 2011-12, Project 11505 (1598):

The major service interval for our potable reservoir chloramine injection system, including the piping and apparatus, is approximately three years. This project provides for the maintenance of these facilities and ensures an adequate supply of replacement parts to keep the systems in continuous operation. This project will also ensure minimal down time should a major failure occur, thereby protecting public health and safety while increasing equipment reliability. Project 11505 is for \$42,900.

Electronic Transmitter Replacement FY 2011-12, Projects 11534 (1682), 21534 (1322), 31534 (1428):

This project provides for the replacement of electronic transmitters used in wastewater and water applications throughout the District. A typical transmitter unit cost ranges from \$1,000 to \$2,000 and has a life expectancy of 5 to 10 years, depending on its specific application. There are hundreds of transmitters of various types installed throughout the District that are used to measure pressures, flows and levels. Typically, 20 or more transmitters are replaced each year due to normal wear and tear. Having a sufficient stock of transmitters available as replacements ensures that the systems are controlled and monitored properly without interruption of service. Projects 11534, 21534, and 31534 are for \$46,000, \$46,000 and \$40,000, respectively.

Pump Replacement FY 2011-12, Projects 11512 (1613), 21012 (1274), 30350 (1747):

As pumps are operated, efficiencies and reliability are monitored to determine the need for overhaul or replacement. During the overhaul process, the pump assemblies are typically replaced with newer higher efficiency designs. Frequently, the pump cases and interior clearances are worn to such a degree that the pump cannot be overhauled, in which case a full replacement is warranted. This project replaces pumps that cannot be overhauled on an as-needed basis. Projects 11512, 21012, and 30350 are for \$80,000, \$65,000 and \$65,000, respectively.

Valve Replacement FY 2011-12, Projects 11517 (1636), 21517 (1260), 31517 (1374):

As valves are operated, operability and reliability are monitored to determine the need to rebuild or replace valves. When valves are re-built, assemblies are replaced with improved designs when available. If the valves are worn to such a degree that the valve cannot be rebuilt to design specifications, a full replacement is warranted. This project provides for the replacement of pump control, check and other valves, as needed. Project 11517, 21517, and 31517 are for \$16,500, \$11,000, and \$11,000, respectively.

UPS and Backup Power System Replacement FY 2011-12, Projects 11541 (1074), 21541 (1342), 31541 (1439):

IRWD installs uninterruptible power supplies (UPS) and battery power systems in critical pump stations, pressure reducing stations and reservoirs. These UPS systems, which were initially installed in the 1980s and 1990s, are the battery-powered devices that provide the 115 volt power needed to keep District's telemetry equipment operational. These units have exceeded their useful life and they are starting to fail on a regular basis. The manufacturer of the existing UPS systems is no longer in business and replacement parts for the existing systems are in very short supply. This project will replace UPS systems throughout the District, based upon a prioritization plan developed by staff. Projects 11541, 21541, and 31541 are for \$20,000, \$22,000, and \$15,000, respectively.

Dyer Well Field Motor Operated Valve Replacement FY 2011-12, Project 11572 (1235)

The motor operates valves (MOVs) currently used at Wells 11 and 14 have reached the end of their service life. In addition, the MOVs that are in service are not the correct types for this application. The MOVs are installed on the main and bypass discharge lines at each well site. This project would fund the purchase and installation of four (4) MOVs. The installation of the new MOVs will help assure that both of these important wells perform reliably. Project 11572 is for \$58,000.

Dyer Well Field Flow Meter Replacement FY 2011-12, Project 11573 (1240)

Currently, Dyer Road Wells 3, 5, 6 and 7 have differential pressure flow meters installed on the main discharge line. This style of meter uses small water lines leading to a differential pressure transmitter. These lines are easily plugged with debris leading to an incorrect flow reading. These meters are also labor intensive to calibrate. This project would fund the purchase of four (4) new ABB WaterMaster magnetic flow meters. It would also cover start-up costs. This is consistent with the meters that are currently being installed in place of the old propeller meters. The new meters are very reliable, with no moving parts. This project would also fund the purchase of the ABB Verimaster software package for the calibration and system checks for the new meters. Project 11573 is for \$58,000.

VFD and Soft Start Drive Replacement FY 2011-12, Projects 11547 (1098), 21547 (1378), 31547 (1456):

Electronic Motor Variable Feed Drives (VFD) and soft starts systems have a lifecycle of approximately 10 years. In the event that a drive needs a repair, the typical cost of a module needing replacement or repair is often 50% of the drive cost. Many of the District's VFDs are approximately 10 years old, and replacement parts are expensive or not available. This project will provide for the replacement of drives in various facilities around the District as they fail. Projects 11547, 21547 and 31547 are for \$33,000, \$22,000 and \$33,000 respectively.

Pump Motor Protection FY 2011-12, Projects 11552 (1127), 21552 (1397), 31552 (1476):

The pump solid-state motor protection (SSMP) units are devices that monitor and protect electric motors on pumping systems. Some of these devices, which measure the parameters of power, temperature and other electrical characteristics, are becoming outdated. Older units are no longer being manufactured or supported. Replacement cost is approximately \$5,500 each. This project will replace units that have reached their service life or have failed. In addition to the SSMP replacements, there are various circuit breakers and motor protection relays that are typically replaced or upgraded each year. This project will also replace these units to ensure equipment reliability. Projects 11552, 21552 and 31552 are for \$25,000, \$22,000 and \$25,000 respectively.

Manhole Rehabilitation FY 2011-12, Project 20922 (1175):

This project repairs and rehabilitates severely deteriorated manhole structure interior surfaces that have deteriorated due to the presence of the hydrogen sulfide gas in the District's sewerage collection system. Manholes considered for rehabilitation are discovered during the normal collection system maintenance and inspection process. The Manhole Rehabilitation Project is a reoccurring fiscal year capital project necessary to maintain sewer manhole structures and avoid manhole ring concrete deterioration and collapse. Project 20922 is for \$201,500.

Raise Manholes to Grade FY 2011-12, Project 20943 (1194):

This project provides for reimbursement to the City of Irvine or its contractors for raising or replacing manholes to grade after the City has resurfaced public streets. The District's collection system staff also utilizes these funds to pay contractors to repair or replace manholes discovered during routine collection system maintenance and inspection. Project 20943 is for \$165,000.

Sewer General System Modifications FY 2011-12, Project 20949 (1211):

This project funds unforeseen system modification projects that may arise within the Collection System during the FY 2010-11. The proposed budget is based upon actual multi-year average costs for these modifications. Project 20949 is for \$75,900.

LAWRP Aerator Replacement FY 2011-12, Project 20968 (1232):

Mixing and aeration of LAWRP's pond system is performed by 62 individual mechanical aerators. Each aerator has a service life of approximately five years. This project provides for the replacement of eight 7.5HP Aire-O2 aerators. In the past, worn-out units were removed from service and overhauled. This would generally extend the aerator's service life by an additional two to three years. This is not cost effective for older units due to man-hour requirements and the cost of replacement parts. The proposed budget is based upon multi-year average costs and projected estimates for these modifications. Project 20968 is for \$60,000.

LAWRP General System Modifications FY 2011-12, Project 21002 (1255):

This project funds unforeseen system modification projects that may arise in the Los Alisos Water Recycling Plant. The proposed budget is based upon multi-year average costs and projected estimates for these modifications. Project 21002 is for \$62,000.

Anoxic Mixer Replacement FY 2011-12, Project 20916 (1160):

This project will fund the annual replacement of Flygt mixers with EMU mixers. The Flygt mixers are reaching the end of their useable life and the EMU mixers are less expensive, more efficient and have proven to be more reliable. Project 20916 is for \$52,000.

MWRP General System Modifications FY 2011-12, Project 20909 (1142):

This project funds unforeseen system modification projects that may arise in the Michelson Water Recycling Plant. The proposed budget is based upon multi-year average costs and projected estimates for these modifications. Project 20909 is for \$182,500.

Sewer Service Line and Main Replacements FY 2011-12, Project 21101 (1700):

This project consists of replacing damaged or broken sewer service lines and mains during FY 2011-12.

FISCAL IMPACTS:

All the projects listed above are included in the FY 2011-2012 Capital Budget Replacement Fund.

Project No. Oracle No.	Exiting Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
11526 (1684)	\$60,000	-0-	\$60,000	-0-	\$60,000	\$60,000
11505 (1598)	42,900	-0-	42,900	-0-	42,900	42,900
11534 (1682)	46,000	-0-	46,000	-0-	46,000	46,000
11512 (1613)	80,000	-0-	80,000	-0-	80,000	80,000
11517 (1636)	16,500	-0-	16,500	-0-	16,500	16,500

Consent Calendar: Wastewater Operations Fiscal Year 2011-12 Expenditure Authorizations

July 25, 2011

Page 6

Project No. Oracle No.	Exiting Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
11541 (1074)	20,000	-0-	20,000	-0-	20,000	20,000
11572 (1235)	58,000	-0-	58,000	-0-	58,000	58,000
11573 (1240)	58,000	-0-	58,000	-0-	58,000	58,000
11547 (1098)	33,000	-0-	33,000	-0-	33,000	33,000
11552 (1127)	25,000	-0-	25,000	-0-	25,000	25,000
20922 (1175)	201,500	-0-	201,500	-0-	201,500	201,500
20943 (1194)	165,000	-0-	165,000	-0-	165,000	165,000
20949 (1211)	75,900	-0-	75,900	-0-	75,900	75,900
20968 (1232)	60,000	-0-	60,000	-0-	60,000	60,000
21002 (1255)	62,000	-0-	62,000	-0-	62,000	62,000
20916 (1160)	52,000	-0-	52,000	-0-	52,000	52,000
20909 (1142)	182,500	-0-	182,500	-0-	182,500	182,500
21526 (1313)	60,000	-0-	60,000	-0-	60,000	60,000
21534 (1322)	46,000	-0-	46,000	-0-	46,000	46,000
21012 (1274)	65,000	-0-	65,000	-0-	65,000	65,000
21517 (1260)	11,000	-0-	11,000	-0-	11,000	11,000
21541 (1342)	22,000	-0-	22,000	-0-	22,000	22,000
21547 (1378)	22,000	-0-	22,000	-0-	22,000	22,000
21552 (1397)	22,000	-0-	22,000	-0-	22,000	22,000
31526 (1411)	60,000	-0-	60,000	-0-	60,000	60,000
31534 (1428)	40,000	-0-	40,000	-0-	40,000	40,000
30350 (1747)	65,000	-0-	65,000	-0-	65,000	65,000
31517 (1374)	11,000	-0-	11,000	-0-	11,000	11,000
31541 (1439)	15,000	-0-	15,000	-0-	15,000	15,000
31547 (1456)	33,000	-0-	33,000	-0-	33,000	33,000
31552 (1476)	25,000	-0-	25,000	-0-	25,000	25,000
21101 (1700)	200,200	-0-	200,200	-0-	200,200	200,200
TOTAL	\$1,935,500	-0-	\$1,935,500	-0-	\$1,935,500	\$1,935,500

ENVIRONMENTAL COMPLIANCE:

This is a ministerial activity and is statutorily exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15268. The proposed minor repairs or rehabilitation are categorically exempt from CEQA as authorized under Sections 15301 and 15302.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee Meeting on July 19, 2011.

RECOMMENDATION:

THAT THE BOARD APPROVE EXPENDITURE AUTHORIZATIONS FOR PROJECTS 11526 (1688), 21526 (1313), 31526 (1311); FOR \$60,000 EACH; PROJECT 11505 (1598) FOR \$42,900; PROJECT 11534 (1682), 21534 (1322), 31534 (1428); FOR \$46,000, \$46,600 AND \$40,000 RESPECTIVELY; PROJECTS 11512 (1613), 21012 (1274), 30350 (1747); FOR \$80,000, \$65,000 AND \$65,000 RESPECTIVELY; PROJECTS 11517 (1636), 21517 (1260), 31517 (1374); FOR \$16,500, \$11,000 AND \$11,000 RESPECTIVELY; PROJECTS 11541 (1074), 21541 (1342), 31541 (1439); FOR \$20,000, \$22,000 AND \$15,000 RESPECTIVELY; PROJECT 11572 (1235) FOR \$58,000; PROJECT 11573 (1240) FOR \$58,000; PROJECTS 11547 (1098), 21547 (1378); 31547 (1456); FOR \$33,000, \$22,000 AND \$33,000 RESPECTIVELY; PROJECTS 11552 (1127), 21552 (1397), 31552 (1476); FOR \$25,000, \$22,000 AND \$25,000 RESPECTIVELY; PROJECT 20922 (1175) FOR \$201,500; PROJECT 20943 (1194) FOR \$165,000; PROJECT 20949 (1211) FOR \$75,900; PROJECT 20968 (1232) FOR \$60,000; PROJECT 21002 (1255) FOR \$62,000; PROJECT 20916 (1160) FOR \$52,000; PROJECT 20909 (1142) FOR \$182,500; AND PROJECT 21101 (1700) FOR \$200,200.

LIST OF EXHIBITS:

Exhibit "A" – Expenditure Authorizations

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: ELECTRIC MOTOR RENOVATION 11/12
 Project No: 11526 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 24, 2011

ID Split: Miscellaneous

Improvement District (ID) Allocations

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

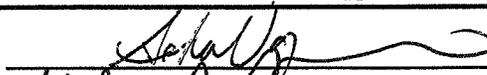
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$60,000
Total EA Requests:	\$60,000
Previously Approved Budget:	\$60,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$60,000
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	54,500	0	54,500	0	54,500	54,500	7/11	6/12
Contingency - 10.00% Subtotal	\$5,500	\$0	\$5,500	\$0	\$5,500	\$5,500		
Subtotal (Direct Costs)	\$60,000	\$0	\$60,000	\$0	\$60,000	\$60,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$60,000	\$0	\$60,000	\$0	\$60,000	\$60,000		
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:  6/27/11
 Department Director:  6/27/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$62,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. The 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: ELECTRIC MOTOR RENOVATION 11/12
 Project No: 21526 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 24, 2011

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:	\$60,000
Total EA Requests:	\$60,000
Previously Approved Budget:	\$60,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$60,000
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	54,500	0	54,500	0	54,500	54,500	7/11	6/12
Contingency - 10.00% Subtotal	\$5,500	\$0	\$5,500	\$0	\$5,500	\$5,500		
Subtotal (Direct Costs)	\$60,000	\$0	\$60,000	\$0	\$60,000	\$60,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$60,000	\$0	\$60,000	\$0	\$60,000	\$60,000		
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 \$62,000. 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-2"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: ELECTRIC MOTOR RENOVATION 11/12
 Project No: 31526 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 24, 2011

ID Split: Miscellaneous

Improvement District (ID) Allocations

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

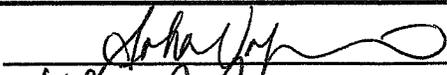
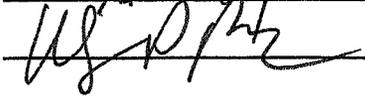
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$60,000
Total EA Requests:	\$60,000
Previously Approved Budget:	\$60,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$60,000
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	54,500	0	54,500	0	54,500	54,500	7/11	6/12
Contingency - 10.00% Subtotal	\$5,500	\$0	\$5,500	\$0	\$5,500	\$5,500		
Subtotal (Direct Costs)	\$60,000	\$0	\$60,000	\$0	\$60,000	\$60,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$60,000	\$0	\$60,000	\$0	\$60,000	\$60,000		
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:  6/27/11
 Department Director:  6/27/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$62,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated. 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: CHLORAMINE STATION REPLACEMENT 11/12
 Project No: 11505 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: FIKE, CHRISTOPHER
 Request Date: June 24, 2011

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No. Allocation % Source of Funds

101	100.0	REPLACEMENT FUND**
Total	100.0%	

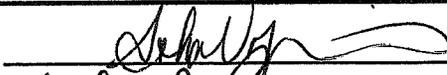
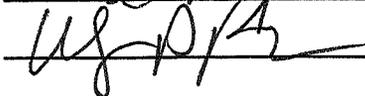
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$42,900
Total EA Requests:	\$42,900
Previously Approved Budget:	\$42,900
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$42,900
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	39,000	0	39,000	0	39,000	39,000	7/11	6/12
Contingency - 10.00% Subtotal	\$3,900	\$0	\$3,900	\$0	\$3,900	\$3,900		
Subtotal (Direct Costs)	\$42,900	\$0	\$42,900	\$0	\$42,900	\$42,900		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$42,900	\$0	\$42,900	\$0	\$42,900	\$42,900		
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:  6/27/11
 Department Director:  6/27/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$44,000. 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 that the above-captioned project is made under Treasury Regulation Section 1.150-2.

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: ELECTRONIC TRANSMITTER REPLACEMENT 11/12
 Project No: 11534 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 27, 2011

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:	\$46,000
Total EA Requests:	\$46,000
Previously Approved Budget:	\$46,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$46,000
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	41,800	0	41,800	0	41,800	41,800	7/11	6/12
Contingency - 10.00% Subtotal	\$4,200	\$0	\$4,200	\$0	\$4,200	\$4,200		
Subtotal (Direct Costs)	\$46,000	\$0	\$46,000	\$0	\$46,000	\$46,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$46,000	\$0	\$46,000	\$0	\$46,000	\$46,000		
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 \$47,000. 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.

EXHIBIT "A-5"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: ELECTRONIC TRANSMITTER REPLACEMENT 11/12
 Project No: 21534 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 24, 2011

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:	\$46,000
Total EA Requests:	\$46,000
Previously Approved Budget:	\$46,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$46,000
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	41,800	0	41,800	0	41,800	41,800	7/11	6/12
Contingency - 10.00% Subtotal	\$4,200	\$0	\$4,200	\$0	\$4,200	\$4,200		
Subtotal (Direct Costs)	\$46,000	\$0	\$46,000	\$0	\$46,000	\$46,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$46,000	\$0	\$46,000	\$0	\$46,000	\$46,000		
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: _____ 6/27/11
 Department Director: _____ 6/27/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$47,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference into this authorization. It is the intent of IRWD that the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-6"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: ELECTRONIC TRANSMITTER REPLACEMENT 11/12
 Project No: 31534 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 24, 2011

ID Split: Miscellaneous

Improvement District (ID) Allocations

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

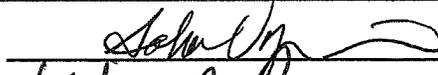
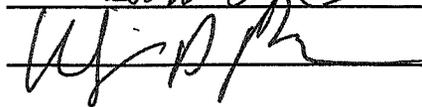
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$40,000
Total EA Requests:	\$40,000
Previously Approved Budget:	\$40,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$40,000
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	36,400	0	36,400	0	36,400	36,400	7/11	6/12
Contingency - 10.00% Subtotal	\$3,600	\$0	\$3,600	\$0	\$3,600	\$3,600		
Subtotal (Direct Costs)	\$40,000	\$0	\$40,000	\$0	\$40,000	\$40,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$40,000	\$0	\$40,000	\$0	\$40,000	\$40,000		
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:  6/27/11
 Department Director:  6/27/11
 Finance: _____

Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$41,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. IRWD hereby declares its 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: PUMP REPLACEMENT 11/12
 Project No: 11512 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: FIKE, CHRISTOPHER
 Request Date: June 24, 2011

ID Split: Miscellaneous

Improvement District (ID) Allocations

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

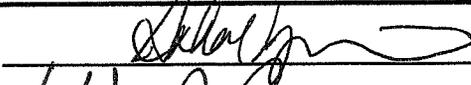
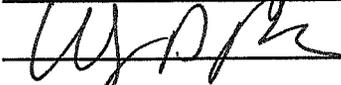
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$80,000
Total EA Requests:	\$80,000
Previously Approved Budget:	\$80,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$80,000
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	72,700	0	72,700	0	72,700	72,700	7/11	6/12
Contingency - 10.00% Subtotal	\$7,300	\$0	\$7,300	\$0	\$7,300	\$7,300		
Subtotal (Direct Costs)	\$80,000	\$0	\$80,000	\$0	\$80,000	\$80,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$80,000	\$0	\$80,000	\$0	\$80,000	\$80,000		
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:  6/27/11
 Department Director:  6/27/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$82,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference into this authorization. IRWD hereby declares its 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: PUMP REPLACEMENT 11/12
 Project No: 21012 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: FIKE, CHRISTOPHER
 Request Date: June 24, 2011

ID Split: Miscellaneous

Improvement District (ID) Allocations

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

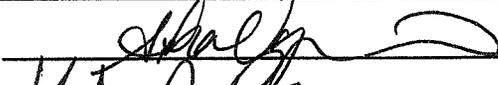
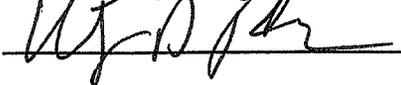
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$65,000
Total EA Requests:	\$65,000
Previously Approved Budget:	\$65,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$65,000
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	59,100	0	59,100	0	59,100	59,100	7/11	6/12
Contingency - 10.00% Subtotal	\$5,900	\$0	\$5,900	\$0	\$5,900	\$5,900		
Subtotal (Direct Costs)	\$65,000	\$0	\$65,000	\$0	\$65,000	\$65,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$65,000	\$0	\$65,000	\$0	\$65,000	\$65,000		
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:  6/27/11
 Department Director:  6/27/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$67,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated in full. The official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-9"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: PUMP REPLACEMENT 11/12
 Project No: 30350 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: FIKE, CHRISTOPHER
 Request Date: June 24, 2011

ID Split: Miscellaneous

Improvement District (ID) Allocations

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

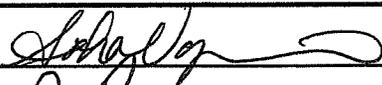
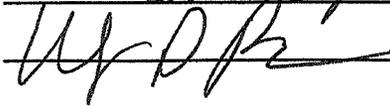
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$65,000
Total EA Requests:	\$65,000
Previously Approved Budget:	\$65,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$65,000
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	59,100	0	59,100	0	59,100	59,100	7/11	6/12
Contingency - 10.00% Subtotal	\$5,900	\$0	\$5,900	\$0	\$5,900	\$5,900		
Subtotal (Direct Costs)	\$65,000	\$0	\$65,000	\$0	\$65,000	\$65,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$65,000	\$0	\$65,000	\$0	\$65,000	\$65,000		
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:  6/27/11
 Department Director:  6/23/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$67,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. I intend 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: VALVE REPLACEMENT 11/12
 Project No: 11517 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: FIKE, CHRISTOPHER
 Request Date: June 24, 2011

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:	\$16,500
Total EA Requests:	\$16,500
Previously Approved Budget:	\$16,500
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$16,500
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	15,000	0	15,000	0	15,000	15,000	7/11	6/12
Contingency - 10.00% Subtotal	\$1,500	\$0	\$1,500	\$0	\$1,500	\$1,500		
Subtotal (Direct Costs)	\$16,500	\$0	\$16,500	\$0	\$16,500	\$16,500		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$16,500	\$0	\$16,500	\$0	\$16,500	\$16,500		
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 \$17,000. 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.

EXHIBIT "A-11"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: VALVE REPLACEMENT 11/12
 Project No: 21517 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: FIKE, CHRISTOPHER
 Request Date: June 27, 2011

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:	\$11,000
Total EA Requests:	\$11,000
Previously Approved Budget:	\$11,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$11,000
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	10,000	0	10,000	0	10,000	10,000	7/11	6/12
Contingency - 10.00% Subtotal	\$1,000	\$0	\$1,000	\$0	\$1,000	\$1,000		
Subtotal (Direct Costs)	\$11,000	\$0	\$11,000	\$0	\$11,000	\$11,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$11,000	\$0	\$11,000	\$0	\$11,000	\$11,000		
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 \$12,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by referent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-12"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: VALVE REPLACEMENT 11/12
 Project No: 31517 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: FIKE, CHRISTOPHER
 Request Date: June 24, 2011

ID Split: Miscellaneous

Improvement District (ID) Allocations

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

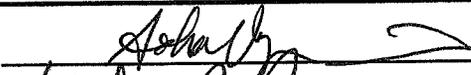
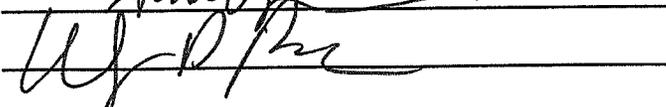
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$11,000
Total EA Requests:	\$11,000
Previously Approved Budget:	\$11,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$11,000
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	10,000	0	10,000	0	10,000	10,000	7/11	6/12
Contingency - 10.00% Subtotal	\$1,000	\$0	\$1,000	\$0	\$1,000	\$1,000		
Subtotal (Direct Costs)	\$11,000	\$0	\$11,000	\$0	\$11,000	\$11,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$11,000	\$0	\$11,000	\$0	\$11,000	\$11,000		
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:  6/27/11
 Department Director:  6/27/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$12,000. The above captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. The intent is to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-13"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: UPS AND BACKUP POWER SYSTEM REPLACEMENT 11/12
 Project No: 11541 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 27, 2011

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

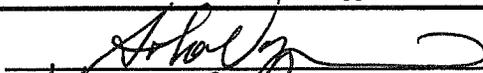
Previously Approved EA Requests:	\$0
This Request:	\$20,000
Total EA Requests:	\$20,000
Previously Approved Budget:	\$20,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$20,000
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	18,200	0	18,200	0	18,200	18,200	7/11	6/12
Contingency - 10.00% Subtotal	\$1,800	\$0	\$1,800	\$0	\$1,800	\$1,800		
Subtotal (Direct Costs)	\$20,000	\$0	\$20,000	\$0	\$20,000	\$20,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$20,000	\$0	\$20,000	\$0	\$20,000	\$20,000		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

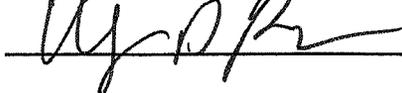
*EA includes estimated G&A. Actual G&A will be applied based on the current ratio of direct labor to general and administrative costs.

EA Originator:



6/27/11

Department Director:



6/27/11

Finance:

Board/General Manager:

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$21,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. The intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-14"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: UPS AND BACKUP POWER SYSTEM REPLACEMENT 11/12
 Project No: 21541 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 27, 2011

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

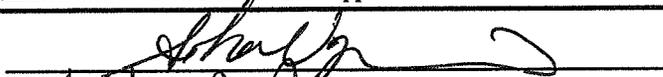
Previously Approved EA Requests:	\$0
This Request:	\$22,000
Total EA Requests:	\$22,000
Previously Approved Budget:	\$22,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$22,000
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	20,000	0	20,000	0	20,000	20,000	7/11	6/12
Contingency - 10.00% Subtotal	\$2,000	\$0	\$2,000	\$0	\$2,000	\$2,000		
Subtotal (Direct Costs)	\$22,000	\$0	\$22,000	\$0	\$22,000	\$22,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$22,000	\$0	\$22,000	\$0	\$22,000	\$22,000		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

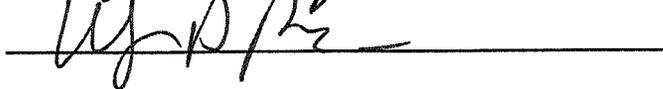
*EA includes estimated G&A. Actual G&A will be applied based on the current ratio of direct labor to general and administrative costs.

EA Originator:



6/27/11

Department Director:



6/27/11

Finance:

Board/General Manager:

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$23,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated into this report. It is the official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-15"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: UPS AND BACKUP POWER SYSTEM REPLACEMENT 11/12

Project No: 31541 EA No: 1

ID Split: Miscellaneous

Improvement District (ID) Allocations

Project Manager: POSEY, WAYNE

Project Engineer: DRAKE, KENNETH

Request Date: June 27, 2011

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:	\$15,000
Total EA Requests:	\$15,000
Previously Approved Budget:	\$15,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$15,000
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	13,600	0	13,600	0	13,600	13,600	7/11	6/12
Contingency - 10.00% Subtotal	\$1,400	\$0	\$1,400	\$0	\$1,400	\$1,400		
Subtotal (Direct Costs)	\$15,000	\$0	\$15,000	\$0	\$15,000	\$15,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$15,000	\$0	\$15,000	\$0	\$15,000	\$15,000		
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 \$16,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. Intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-16"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: DYER WELL FIELD MOV REPLACEMENT 11/12
 Project No: 11572 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 27, 2011

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:	\$58,000
Total EA Requests:	\$58,000
Previously Approved Budget:	\$58,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$58,000
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	52,700	0	52,700	0	52,700	52,700	7/11	6/12
Contingency - 10.00% Subtotal	\$5,300	\$0	\$5,300	\$0	\$5,300	\$5,300		
Subtotal (Direct Costs)	\$58,000	\$0	\$58,000	\$0	\$58,000	\$58,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$58,000	\$0	\$58,000	\$0	\$58,000	\$58,000		
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:

[Handwritten signatures and dates]
 6/27/11
 6/27/11

** 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 \$60,000. 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-17"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: DYER WELL FIELD FLOW METER REPLACEMENT 11/12

Project No: 11573 EA No: 1

ID Split: Miscellaneous

Improvement District (ID) Allocations

Project Manager: POSEY, WAYNE

Project Engineer: DRAKE, KENNETH

Request Date: June 27, 2011

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:	\$58,000
Total EA Requests:	\$58,000
Previously Approved Budget:	\$58,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$58,000
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	52,700	0	52,700	0	52,700	52,700	7/11	6/12
Contingency - 10.00% Subtotal	\$5,300	\$0	\$5,300	\$0	\$5,300	\$5,300		
Subtotal (Direct Costs)	\$58,000	\$0	\$58,000	\$0	\$58,000	\$58,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$58,000	\$0	\$58,000	\$0	\$58,000	\$58,000		
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 \$60,000. 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.

EXHIBIT "A-18"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: VFD AND SOFT START DRIVE REPLACEMENT 11/12
 Project No: 11547 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 27, 2011

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:	\$33,000
Total EA Requests:	\$33,000
Previously Approved Budget:	\$33,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$33,000
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	30,000	0	30,000	0	30,000	30,000	7/11	6/12
Contingency - 10.00% Subtotal	\$3,000	\$0	\$3,000	\$0	\$3,000	\$3,000		
Subtotal (Direct Costs)	\$33,000	\$0	\$33,000	\$0	\$33,000	\$33,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$33,000	\$0	\$33,000	\$0	\$33,000	\$33,000		
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 \$34,000. 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-19"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: VFD AND SOFT START DRIVE REPLACEMENT 11/12
 Project No: 21547 EA No: 1

ID Split: Miscellaneous

Improvement District (ID) Allocations

Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 27, 2011

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

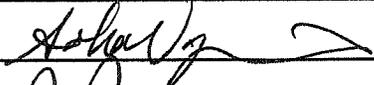
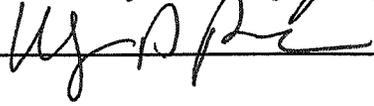
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$22,000
Total EA Requests:	\$22,000
Previously Approved Budget:	\$22,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$22,000
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	20,000	0	20,000	0	20,000	20,000	7/11	6/12
Contingency - 10.00% Subtotal	\$2,000	\$0	\$2,000	\$0	\$2,000	\$2,000		
Subtotal (Direct Costs)	\$22,000	\$0	\$22,000	\$0	\$22,000	\$22,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$22,000	\$0	\$22,000	\$0	\$22,000	\$22,000		
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:  6/27/11
 Department Director:  6/27/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$23,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated. Official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-20"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: VFD AND SOFT START DRIVE REPLACEMENT 11/12

Project No: 31547 EA No: 1

ID Split: Miscellaneous

Project Manager: POSEY, WAYNE

Project Engineer: DRAKE, KENNETH

Request Date: June 27, 2011

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:	\$33,000
Total EA Requests:	\$33,000
Previously Approved Budget:	\$33,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$33,000
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	30,000	0	30,000	0	30,000	30,000	7/11	6/12
Contingency - 10.00% Subtotal	\$3,000	\$0	\$3,000	\$0	\$3,000	\$3,000		
Subtotal (Direct Costs)	\$33,000	\$0	\$33,000	\$0	\$33,000	\$33,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$33,000	\$0	\$33,000	\$0	\$33,000	\$33,000		
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 \$34,000. 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 1.150-2.

EXHIBIT "A-21"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: PUMP MOTOR PROTECTION 11/12
 Project No: 11552 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 27, 2011

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:	\$25,000
Total EA Requests:	\$25,000
Previously Approved Budget:	\$25,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$25,000
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	22,700	0	22,700	0	22,700	22,700	7/11	6/12
Contingency - 10.00% Subtotal	\$2,300	\$0	\$2,300	\$0	\$2,300	\$2,300		
Subtotal (Direct Costs)	\$25,000	\$0	\$25,000	\$0	\$25,000	\$25,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$25,000	\$0	\$25,000	\$0	\$25,000	\$25,000		
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 \$26,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-22"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: PUMP MOTOR PROTECTION 11/12
 Project No: 21552 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 27, 2011

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

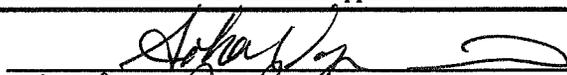
Previously Approved EA Requests:	\$0
This Request:	\$22,000
Total EA Requests:	\$22,000
Previously Approved Budget:	\$22,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$22,000
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	20,000	0	20,000	0	20,000	20,000	7/11	6/12
Contingency - 10.00% Subtotal	\$2,000	\$0	\$2,000	\$0	\$2,000	\$2,000		
Subtotal (Direct Costs)	\$22,000	\$0	\$22,000	\$0	\$22,000	\$22,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$22,000	\$0	\$22,000	\$0	\$22,000	\$22,000		
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:

 6/27/11

Department Director:

 6/27/11

Finance:

Board/General Manager:

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$23,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. The intent is to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-23"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: PUMP MOTOR PROTECTION 11/12
 Project No: 31552 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: DRAKE, KENNETH
 Request Date: June 27, 2011

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

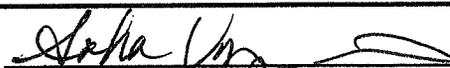
Previously Approved EA Requests:	\$0
This Request:	\$25,000
Total EA Requests:	\$25,000
Previously Approved Budget:	\$25,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$25,000
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	22,700	0	22,700	0	22,700	22,700	7/11	6/12
Contingency - 10.00% Subtotal	\$2,300	\$0	\$2,300	\$0	\$2,300	\$2,300		
Subtotal (Direct Costs)	\$25,000	\$0	\$25,000	\$0	\$25,000	\$25,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$25,000	\$0	\$25,000	\$0	\$25,000	\$25,000		
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:

 6/27/11

Department Director:

 6/27/11

Finance:

Board/General Manager:

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$26,000. 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 with the intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-24"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: MANHOLE REHABILITATION 11/12
 Project No: 20922 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: SPRINGMAN, GREGORY
 Request Date: June 27, 2011

ID Split: Miscellaneous

Improvement District (ID) Allocations

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

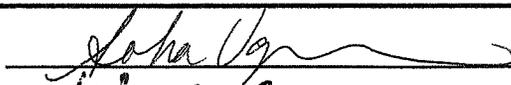
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$192,500
Total EA Requests:	\$192,500
Previously Approved Budget:	\$192,500
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$192,500
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	0	5,000	5,000	7/11	6/12
CONSTRUCTION	170,000	0	170,000	0	170,000	170,000	7/11	6/12
Contingency - 10.00% Subtotal	\$17,500	\$0	\$17,500	\$0	\$17,500	\$17,500		
Subtotal (Direct Costs)	\$192,500	\$0	\$192,500	\$0	\$192,500	\$192,500		
Estimated G/A - 180.00% of direct labor*	\$9,000	\$0	\$9,000	\$0	\$9,000	\$9,000		
Total	\$201,500	\$0	\$201,500	\$0	\$201,500	\$201,500		
Direct Labor	\$5,000	\$0	\$5,000	\$0	\$5,000	\$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:  6/27/11
 Department Director:  6/27/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$206,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. IRWD does not intend to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

EXHIBIT "A-25"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: RAISE MANHOLES TO GRADE 11/12
 Project No: 20943 EA No: 1

ID Split: Miscellaneous

Improvement District (ID) Allocations

Project Manager: POSEY, WAYNE
 Project Engineer: SPRINGMAN, GREGORY
 Request Date: June 27, 2011

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

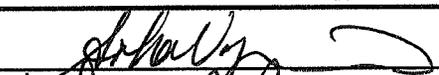
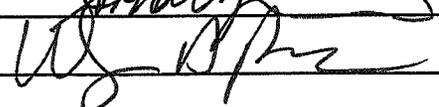
Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$165,000
Total EA Requests:	\$165,000
Previously Approved Budget:	\$165,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$165,000
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	150,000	0	150,000	0	150,000	150,000	7/11	6/12
Contingency - 10.00% Subtotal	\$15,000	\$0	\$15,000	\$0	\$15,000	\$15,000		
Subtotal (Direct Costs)	\$165,000	\$0	\$165,000	\$0	\$165,000	\$165,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$165,000	\$0	\$165,000	\$0	\$165,000	\$165,000		
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:  6/27/11
 Department Director:  6/27/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$169,000. 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.

EXHIBIT "A-26"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: SEWER GEN SYS MODS 11/12
 Project No: 20949 EA No: 1

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

Project Manager: POSEY, WAYNE
 Project Engineer: SPRINGMAN, GREGORY
 Request Date: June 27, 2011

ID No. Allocation % Source of Funds

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$75,900
Total EA Requests:	\$75,900
Previously Approved Budget:	\$75,900
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$75,900
Budget Remaining After This EA	\$0

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%	

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	69,000	0	69,000	0	69,000	69,000	7/11	6/12
Contingency - 10.00% Subtotal	\$6,900	\$0	\$6,900	\$0	\$6,900	\$6,900		
Subtotal (Direct Costs)	\$75,900	\$0	\$75,900	\$0	\$75,900	\$75,900		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$75,900	\$0	\$75,900	\$0	\$75,900	\$75,900		
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: _____ 6/27/11
 Department Director: _____ 6/27/11
 Finance: _____
 Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$78,000. 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-27"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: LAWRP AERATRO REPLACEMENT 11/12
 Project No: 20968 EA No: 1

Project Manager: POSEY, WAYNE
 Project Engineer: SANCHEZ, NOAH
 Request Date: June 27, 2011

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
235	100.0	REPLACEMENT FUND**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$60,000
Total EA Requests:	\$60,000
Previously Approved Budget:	\$60,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$60,000
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	54,500	0	54,500	0	54,500	54,500	7/11	6/12
Contingency - 10.00% Subtotal	\$5,500	\$0	\$5,500	\$0	\$5,500	\$5,500		
Subtotal (Direct Costs)	\$60,000	\$0	\$60,000	\$0	\$60,000	\$60,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$60,000	\$0	\$60,000	\$0	\$60,000	\$60,000		
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 \$62,000. 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 1.150-2.

EXHIBIT "A-28"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: LAWRP GENERAL SYSTEM MODIFICATIONS 11/12

Project No: 21002 EA No: 1

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

Improvement District (ID) Allocations

Project Manager: POSEY, WAYNE

Project Engineer: SANCHEZ, NOAH

Request Date: June 27, 2011

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:	\$62,000
Total EA Requests:	\$62,000
Previously Approved Budget:	\$62,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$62,000
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	56,400	0	56,400	0	56,400	56,400	7/11	6/12
Contingency - 10.00% Subtotal	\$5,600	\$0	\$5,600	\$0	\$5,600	\$5,600		
Subtotal (Direct Costs)	\$62,000	\$0	\$62,000	\$0	\$62,000	\$62,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$62,000	\$0	\$62,000	\$0	\$62,000	\$62,000		
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 \$64,000. 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.

EXHIBIT "A-29"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: MWRP ANOXIC MIXER REPLACEMENT 11/12
 Project No: 20916 EA No: 1

ID Split: Miscellaneous

Project Manager: POSEY, WAYNE
 Project Engineer: GINGRAS, MARK
 Request Date: June 27, 2011

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:	\$52,000
Total EA Requests:	\$52,000
Previously Approved Budget:	\$52,000
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$52,000
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	47,300	0	47,300	0	47,300	47,300	7/11	6/12
Contingency - 10.00% Subtotal	\$4,700	\$0	\$4,700	\$0	\$4,700	\$4,700		
Subtotal (Direct Costs)	\$52,000	\$0	\$52,000	\$0	\$52,000	\$52,000		
Estimated G/A - 180.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
Total	\$52,000	\$0	\$52,000	\$0	\$52,000	\$52,000		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

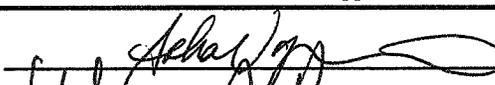
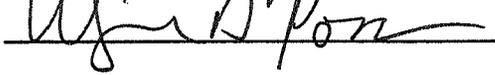
*EA includes estimated G&A. Actual G&A will be applied based on the current ratio of direct labor to general and administrative costs.

EA Originator:

Department Director:

Finance:

Board/General Manager:


6/27/11
 6/25/11

** 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 \$54,000. 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.

EXHIBIT "A-30"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: MWRP GEN SYS MODS 11/12
 Project No: 20909 EA No: 1
 Project Manager: POSEY, WAYNE
 Project Engineer: GINGRAS, MARK
 Request Date: June 27, 2011

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:	\$178,900
Total EA Requests:	\$178,900
Previously Approved Budget:	\$178,900
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$178,900
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	0	2,000	2,000	7/11	6/12
CONSTRUCTION	160,600	0	160,600	0	160,600	160,600	7/11	6/12
Contingency - 10.00% Subtotal	\$16,300	\$0	\$16,300	\$0	\$16,300	\$16,300		
Subtotal (Direct Costs)	\$178,900	\$0	\$178,900	\$0	\$178,900	\$178,900		
Estimated G/A - 180.00% of direct labor*	\$3,600	\$0	\$3,600	\$0	\$3,600	\$3,600		
Total	\$182,500	\$0	\$182,500	\$0	\$182,500	\$182,500		
Direct Labor	\$2,000	\$0	\$2,000	\$0	\$2,000	\$2,000		

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

EA Originator: _____

Department Director: _____

Finance: _____

Board/General Manager: _____

[Handwritten signatures and dates]
 6/27/11
 6/27/11

** 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 \$187,000. 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.

EXHIBIT "A-31"

IRVINE RANCH WATER DIS' EXHIBIT "A-32"

Expenditure Authorization

Project Name: SERVICE LINE & MAIN REPLACEMENT 11/12
 Project No: 21101 EA No: 1

ID Split: Miscellaneous

Project Manager: KILANI, ABDEL
 Project Engineer: KILANI, ABDEL
 Request Date: July 11, 2011

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:	\$200,200
Budget Adjustment Requested this EA:	\$0
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	0	10,000	10,000	7/11	6/12
CONSTRUCTION	172,000	0	172,000	0	172,000	172,000	7/11	6/12
Contingency - 10.00% Subtotal	\$18,200	\$0	\$18,200	\$0	\$18,200	\$18,200		
Subtotal (Direct Costs)	\$200,200	\$0	\$200,200	\$0	\$200,200	\$200,200		
Estimated G/A - 180.00% of direct labor*	\$18,000	\$0	\$18,000	\$0	\$18,000	\$18,000		
Total	\$218,200	\$0	\$218,200	\$0	\$218,200	\$218,200		
Direct Labor	\$10,000	\$0	\$10,000	\$0	\$10,000	\$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]

7/12/11

Department Director:

[Signature]

07/12/11

Finance:

Board/General Manager:

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$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 official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2. EXHIBIT "A-32"

July 25, 2011

Prepared by: Christopher Smithson

Submitted by: Debby Cherney 

Approved by: Paul Cook 

ACTION CALENDAR

SETTING CONNECTION FEES AND PROPERTY TAXES FOR FY 2011-12

SUMMARY:

Each year, the Board considers connection fees and property tax rates, and makes adjustments as a result of changing assumptions and capital needs. For FY 2010-11 the Board adopted a connection fee increase of 9.5% without making any changes to commercial and industrial fees; there were no changes to the ad valorem property tax rates.

Using the most current data available, staff updated the major assumptions in the Enterprise Model (the Model) and has incorporated the most recent capital plans and absorption schedules as provided by the major property developers within IRWD's service area. Assumptions and preliminary runs of the Model were reviewed with the Finance and Personnel Committee on June 5, 2011. Since that time, eight total scenarios have been reviewed with the Board and stakeholders; all result in consolidated water / sewer connection fee amounts that approximately converge by FY 2016-17.

Through the course of the review process with the Committee, the Board and certain stakeholders, some open issues have been identified and will be brought back to the Committee and Board over the next several months for further review. Based on the analysis completed to date and the need to meet the Board-approved revenue objectives, staff recommends increasing connection fees by 9.5% (or approximately \$319 for a representative improvement district (ID)) for FY 2011-12 and adjusting some property tax rates to more appropriately apply tax revenue to match annual debt service as identified in Exhibit "D". Staff requests that the Board adopt two resolutions which approve the connection fees and property tax adjustments recommended by staff.

BACKGROUND:

Each year an analysis of the District's existing and future connection fees and property tax rates is prepared and presented to the Board for its consideration. The following is a list of objectives established by the Board for setting connection fees and property tax rates:

- Minimize any sudden and large changes in rates and fees;
- Maintain a targeted 75% debt service coverage ratio;
- Equitably allocate new capital costs;
- Maintain the 50/50 split between connection fees and property taxes; and
- Maintain IRWD's Replacement and Enhancement Funds for their intended use.

To achieve these objectives, adjustments to connection fees and property taxes are considered annually based on a number of assumptions, including the District's cost of debt and expected rate of return, projected construction cost escalations (based on the Engineering News Record

(ENR) index), and a realization factor for receipt of 1% property tax revenue and the allocation of that revenue.

Planning Assumptions:

The assumptions used for setting connection fees and property taxes are attached as Exhibit “A”. With the exception of the cost of debt, most of the critical assumptions remain unchanged from FY 2010-11.

1% Tax Revenue Assumptions:

The District assumed that the State of California would borrow 8% of its 1% Property Tax receipts in FY 2009-10. The state actually borrowed \$2,099,655, and is obligated to pay this back over three years (by June 30, 2013) at a 2% interest rate. After that payback, the state is allowed to borrow those funds once again within 10 years.

The staff recommendation on 1% revenues is as follows (unchanged from last year):

Fiscal Year	Prop 1A Borrowing
FY 2009-10	\$2,099,655
FY 2010-11 to FY 2011-12	No borrowing
FY 2012-13	Repayment with 2% interest
FY 2013-14 to FY 2014-15	No borrowing
FY 2015-16	8% Borrowing
FY 2016-17 to FY 2017-18	No borrowing
FY 2018-19	Repayment with interest
FY 2019-20 to FY 2021-22	No borrowing
FY 2022-23	8% Borrowing
FY 2023-24 to FY 2024-25	No borrowing
FY 2025-26	Repayment with interest
FY 2026-27 to FY 2030-31	No borrowing; assume 1% property tax receipts are extinguished in FY 2034-35.

Staff recommends that the proposed allocation of the 1% Property Tax revenue among various capital funds remain unchanged at this time. Staff also recommends that the percentages allocated to replacement funds and enhancement funds continue to increase linearly, while the new capital allocation decreases linearly until FY 2034-35 as shown in following table:

Revenue Recipient	FY 2011	FY 2012	Allocation Objective by FY35	Estimated 1% Property Tax Revenues – FY12
New Capital	44.0%	44.0%	20.0%	\$12m
Enhancement	24.0%	24.0%	40.0%	\$6m
Replacements	32.0%	32.0%	40.0%	\$9m
Total	100.0%	100.0%	100.0%	\$27m

Capital Escalation Rate:

The capital escalation rate assumption included in the District’s forecasting is tied to the Engineering News Record (ENR) cost index for Los Angeles. Staff recommends assuming a 3.5% increase in FY 2011-12 and stepping the factor down to 3.0% over the next two subsequent fiscal years. This is a moderate change from the FY 2010-11 assumptions which assumed 0% in FY 2010-11, 1.5% in FY 2011-12 and 3.0% in FY 2012-13.

Earning Rate and Cost of Debt:

The assumptions associated with the District’s rate of return and cost of debt are changing for FY 2011-12. The District has shifted a significant portion of its outstanding debt from variable to fixed rate. This provides staff with a more predictable cost of annual debt service and hedges against an increase in costs associated with variable interest rate increases. While the cost of debt has increased, the rate of return remains very low in the near term as staff anticipates a continued short-term low interest rate environment. The rate of return is expected to increase as the economy improves, although that is not expected to occur for a few more years. The following table summarizes staff’s assumptions for the relevant rates of return:

	FY 2010-11			FY 2011-12		
	From	To	By	From	To	By
Capital Funds Return	0.60%	2.25%	2012	1.00%	5.25%	2015
Replacement Funds Return	4.30%	6.00%	2012	4.30%	6.25%	2012
Bond Rate	1.50%	1.75%	2012	2.50%	3.50%	2012

Modeling Connection Fees and Property Taxes:

In establishing rates for FY 2010-11, the Board approved a 9.5% increase to connection fees; commercial and industrial connection fees were left unchanged. The Board made no changes to existing tax rates. Several options were presented that included several years with 9.5% increases to connection fees, and the Board indicated a willingness to make a more significant upward adjustment to connection fees once the housing market had recovered. Once this happens, future increases in connection fees could then be matched to changes in the ENR engineering and construction cost index.

In July 2010, the Irvine Company provided a letter that identified acceptance of last year’s connection fee increase. This letter also memorialized a number of concerns the Irvine Company has about the District’s long-standing capital funding strategy including the propriety of the 50/50 split and the exclusion of non-bond funded IDs from the regional capital splits. Exhibit “B” provides a summary of the issues raised by the Irvine Company including their relative significance and a schedule for review of items with the Board and/or the relevant Board Committees. During this review process, staff will continue working with the Irvine Company and other stakeholders to identify ways to address its concerns and will bring recommendations back to the Committee and the Board for FY 2012-13 and beyond.

Discussion and Direction Provided by the Board and Committee:

At the June 27 Board Workshop, the matrix of options for the different rate increase scenarios was presented and discussed. A copy of that matrix is attached as Exhibit "C". The points brought up in this discussion included:

- All of the identified scenarios result in a consolidated connection fee that falls within 250 of each other by FY 2016-17;
- Postponing the increase only burdens the units to be developed later because the connection fee revenue necessary to fund the respective portion of costs remains unchanged but fewer units are available to spread this cost;
- The housing market is still recovering with fewer units being processed annually;
- Selecting the higher increase alternatives (\$504 and \$740 per DU), although small in relation to the overall cost of a home purchase, will not be as supportive as a smaller increase to an improving housing market; and
- The commercial connection fees did not increase in FY 2010-11, but any increase included in this fiscal year should apply to this customer type as well.

The Committee discussion reaffirmed the points identified at the Board workshop and identified additional factors to consider in rate setting. The discussion ranged over several issues and these will be brought back to the Finance and Personnel Committee in approximately 90 days for further review which include:

- Reviewing the capital budget changes over the past several years, identifying project increases and new additions;
- Revisiting the identified strategies for reaching rate parity in the Los Alisos rate area; and
- Providing detailed analysis for connection fees and property tax rate setting at the ID level.

The Committee discussed applying a connection fee increase of \$319 per unit or 9.5% that can be revisited in several months with further analysis. At this time a concern was expressed that all fees might be paid at the lower rate avoiding future increases and shifting the burden of the capital cost to the taxpayer. Legal counsel identified the following wording in the District's rules and regulations that provides protection from early payments on property that have not been submitted for application:

"The amount of such fees and charges shall be based on the applicable schedules of the Rules and Regulations in effect on the date when Applicant has submitted to District its completed Application, payment of all fees and charges, plans and specifications, bonds, conveyance of necessary easements, and other items which may be required herein prior to execution of this Application. Such fees and charges shall be set forth on Exhibit "A" hereto by District, which Exhibit is by this reference incorporated herein, and is subject to revision pursuant to any changes in the applicable schedules prior to the date the Application and all accompanying materials and payment are completed and submitted to District."

The Committee requested to see the impact of the proposed rate increase to developers and homeowners within different IDs and this was included in the presentation at the Board Workshop on July 11, 2011 along with comparable connection fees applied by surrounding agencies.

Stakeholder Input:

Staff conducted a stakeholders meeting on July 7, 2011, to update the local development community and receive their comments. Representatives from the Building Industry Association of Orange County (BIA), the Irvine Company, the NAIOP Commercial Real Estate Development Association, and Five Point Communities were present at the stakeholders meeting. Staff presented the various scenarios that had been reviewed by the Board and Committee along with the annual objectives and assumptions. The stakeholders expressed a desire to limit the amount of the increase; some expressed that the amount of the increase for FY 2011-12 should be 3.5% while others indicated that a 5% increase would be acceptable. All of the stakeholders understand that the increases will need to be revisited over the next four to six months as staff works with the Irvine Company and other stakeholders to address some of the long-term funding strategy questions that have been raised.

Staff also met with stakeholders on July 20, 2011 to discuss the long-term funding strategy and status of the issues identified in Exhibit "B". Present at that meeting were representatives of the Irvine Company; representatives from NAIOP and the BIA were invited but did not attend.

Staff Recommendation:

Staff recommends increasing connection fees by 9.5% (or approximately \$319 for a representative ID) for FY 2011-12. This increase is consistent with the points identified at the Board Workshop. The current and proposed residential connection fees are detailed below:

Improvement District/ Planning Area	Existing (FY 10-11) Combined Water and Sewer Connection Fee	Recommended (FY 11-12) Combined Water and Sewer Connection Fee
101/210*/All others	\$7,455	\$8,163
113/213	\$6,023	\$6,595
120/121/220/221	\$1,787	\$1,956
130/230	\$3,362	\$3,681
Laguna Altera/Lion Country Safari PA **	\$5,139	\$5,458
135/235	\$5,054	\$5,534
140/240	\$4,845	\$5,306
150/250	\$3,362	\$3,681
256 ***	\$24,500	\$24,500
OPA1 Ridgeline PA ***	\$4,200	\$4,200
Lambert Ranch PA **	\$4,974	\$5,293
160/161/260/261	\$3,362	\$3,681
186/286	\$11,063	\$12,114
<p>* Connection fees in 101/210 vary by density of dwelling units per acre; assumed 5.9 – 10.8 DUs per acre. ** Laguna Altera and Lambert Ranch Planning Areas have net increases of 6.2 to 6.4% due to the net effect of the 9.5% increase on the 130/230 and 150/250 base rates and their fixed buy-in costs previously approved by the Board. *** Orange Park Acres ID 256 and OPA1 Ridgeline Planning areas are Sewer Only. No increases are recommended for these areas in FY 2011-12.</p>		

Staff also recommends adjusting some tax rates to more appropriately apply tax revenue to match annual debt service as identified in Exhibit "D". In some cases this results in a reduction in the overall existing water/sewer tax rate, in others it is shifting the rate from sewer to water, and in a few it results in an overall tax increase. The upward adjustments reflect the increased debt service costs as a result of the issuance of the 2010 Build America Bonds in December 2010. Exhibit "D" limits the sources for funding debt service to General Obligation tax revenue but, in fact, the District utilizes other revenue sources to meet annual debt service (1% tax revenue, connection fees, etc.) and these sources can vary significantly from ID grouping to ID grouping.

Staff's recommended tax adjustments include:

I.D.	Current	Proposed	Change
112 / 212	\$ 0.20340	\$ 0.10620	\$(0.09720)
113 / 213	\$ 0.16513	\$ 0.14660	\$(0.01853)
220/221 / 220/221	\$ 0.01801	\$ 0.01701	\$(0.00100)
135 / 235	\$ 0.01374	\$ 0.00687	\$(0.00687)
140 / 240	\$ 0.03141	\$ 0.03140	\$(0.00001)
150 / 250	\$ 0.04590	\$ 0.05580	\$ 0.00990
260/261 / 260/261	\$ 0.02831	\$ 0.02831	\$ -
182 / 282	\$ 0.03240	\$ 0.04590	\$ 0.01350
184 / 284	\$ 0.03240	\$ 0.04589	\$ 0.01349
186 / 286	\$ 0.03192	\$ 0.04988	\$ 0.01796
188 / 288	\$ 0.03591	\$ 0.22540	\$ 0.18949

Attached as Exhibit "E" is a Resolution approving the connection fee adjustments for FY 2011-12, attached to which are the redlined changes to connection fees. The resolution establishing ad valorem tax rates for FY 2011-12 is attached as Exhibit "F".

ENVIRONMENTAL COMPLIANCE:

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

FISCAL IMPACTS:

Fiscal impacts will be as presented by staff and for FY 2011-12 will be based upon the connection fees and property tax rates adopted by the Board.

COMMITTEE STATUS:

This item was presented to the Finance and Personnel Committee on June 7 and July 5, 2011 and to the Board on June 27 and July 11, 2011.

RECOMMENDATION:

THAT THE BOARD APPROVE A 9.5% INCREASE IN CONNECTION FEES AND ADJUSTMENTS TO SOME AD VALOREM PROPERTY TAX RATES AND ADOPT THE FOLLOWING RESOLUTIONS BY TITLE:

RESOLUTION NO 2011-___

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA
RESCIND RESOLUTION 2011-25 AND ADOPT 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, RECYCLED WATER AND NATURAL
TREATMENT SYSTEM SERVICE AND EXHIBITS THERETO

RESOLUTION NO 2011-___

RESOLUTION OF THE BOARD OF DIRECTORS OF
IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA
ESTABLISHING AD VALOREM TAX REVENUES FOR
FISCAL YEAR 2011/12

LIST OF EXHIBITS:

- Exhibit "A" – Assumptions for Setting Connection Fees and Property Tax Rates for FY 2011-12
- Exhibit "B" – Summary of Issues Raised by the Irvine Company
- Exhibit "C" – Summary of Modeled Scenarios for Connection Fees and Property Tax Rates
- Exhibit "D" – Tax Rate Adjustments
- Exhibit "E" – Resolution Adopting Changes to Rates and Charges
- Exhibit "F" – Resolution Adopting Ad Valorem Property Tax Rates

Exhibit "A"

**IRVINE RANCH WATER DISTRICT
ASSUMPTIONS FOR ESTABLISHING CONNECTION FEES
AND PROPERTY TAXES FOR FY 2011-12**

PRIMARY REVENUES

1% Property Taxes State borrowed 8% of the District's 1% property tax receipts in FY 2009-10, or \$2,099,655, and is obligated to pay this back over three years (by June 30, 2013) at 2%. After that payback, the State is allowed to borrow those funds once again within ten years. Staff recommends that the Enterprise Model (the Model) assume the following:

Fiscal Year	Prop 1A Borrowing
FY 2009-10	\$2,099,655
FY 2010-11 to FY 2011-12	No borrowing
FY 2012-13	Repayment with 2% interest
FY 2013-14 to FY 2014-15	No borrowing
FY 2015-16	8% Borrowing
FY 2016-17 to FY 2017-18	No borrowing
FY 2018-19	Repayment with interest
FY 2019-20 to FY 2021-22	No borrowing
FY 2022-23	8% Borrowing
FY 2023-24 to FY 2024-25	No borrowing
FY 2025-26	Repayment with interest
FY 2026-27 to FY 2034-35	No borrowing; We assume 1% property tax receipts are extinguished in FY 2034-35.

Staff recommends that the proposed allocation of the 1% tax revenue amongst various capital funds remain unchanged. Staff recommends that the percentages allocated to replacement funds and to enhancement funds will continue to increase linearly while the new capital allocation decreases in the same fashion until FY 2034-35.

Revenue Recipient	FY 2011	FY 2012	Reach by 2035	1 % Revenues Receipt Estimate FY 2011-12
New Capital	44.0%	44.0%	20.0%	\$12M
Enhancement	24.0%	24.0%	40.0%	\$6M
Replacements	32.0%	32.0%	40.0%	\$9M
Total	100.0%	100.0%	100.0%	\$27M

**IRVINE RANCH WATER DISTRICT
ASSUMPTIONS FOR ESTABLISHING CONNECTION FEES
AND PROPERTY TAXES FOR FY 2011-12**

- G. O. Property Taxes** Set in conjunction with connection fees to split new capital costs equally between the developer and the homeowner. The District can set a tax rate that cannot exceed annual debt service requirements for the improvement district being assessed.
- Connection Fee Rates** Set in conjunction with general obligation property taxes to split new capital costs equally between the developer and the homeowner. The connection fee is paid prior to occupancy on residential units.

SECONDARY REVENUES

- Native Water** 4,000 A/F per year of native water at \$155/af increase with ENR.
- Local Project revenue** The current Local Resource Program (LRP) revenue is allocated entirely to capital funds and terminates in 2011. It is allocated using regional splits.
- Golf course revenue** This revenue is based on the original pro-forma using 90% of anticipated revenue. I.D. 161 receives 100% of the benefit of the golf course revenue out to 2027 and I.D. 150 will receive the benefit thereafter.
- Standby charges** Standby charges previously paid will be fully credited towards each improvement district's connection fee obligation to obtain the 50/50 split between connection fees and property taxes as was done in the past.

OTHER FACTORS

	<u>FY 2010-11</u>			<u>FY 2011-12</u>		
	From	To	By	From	To	By
Capital Funds Return	0.60%	2.25%	2012	1.00%	5.25%	2015
Replacement Funds Return	4.30%	6.00%	2012	4.30%	6.00%	2012
Bond Rate	1.50%	1.75%	2012	3.50%	3.75%	2012
Capital Escalation Rate	0.00%	3.00%	2013	3.00%	3.00%	2012
Assessed Values - Coast	0.00%	2.50%	2011	2.50%	2.50%	2012
Assessed Values - Others	0.00%	2.50%	2011	2.00%	2.50%	2012

**IRVINE RANCH WATER DISTRICT
ASSUMPTIONS FOR ESTABLISHING CONNECTION FEES
AND PROPERTY TAXES FOR FY 2011-12**

Non-debt capital items (R&R Surcharges & Enhancement Surcharges)

Revenue Recipient	Basis	Rate	Start in	Increase at
Water - Replacements	Per EDU per month	\$0.60	2012	7.5%
Water – Enhancements	Per EDU per month	\$0.50	2012	7.5%
Sewer & Recycled Water - Replacements	Per EDU per month	\$4.55	2012	7.5%
Sewer & Recycled Water - Enhancements	Per EDU per month	\$0.50	2012	7.5%

Capital expenditures factored not to exceed \$140 million¹ per year.

BOND FACTORS

<u>Capital Silo</u>	<u>FY 2010-11</u>	<u>FY 2011-12</u>
Water - New Capital % Bond Funded	65%	65%
Water - Replacement Capital % Bond Funded	0%	0%
Water - Enhancement Capital % Bond Funded	25%	25%
Sewer/Recycled Water - New Capital % Bond Funded	75%	75%
Sewer/Recycled Water - Replacement Capital % Bond Funded	0%	0%
Sewer/Recycled Water - Enhancement Capital % Bond Funded	25%	25%

¹ The capital expenditures factor increased from \$110 million due to the considerable list of major projects that are soon to begin or are currently in process (solids disposal, MWRP expansion, Wells 21 & 22, etc.).

Exhibit "B"

LONG TERM CAPITAL FUNDING EVALUATION PROCESS

	Summary of Issues	Significance	Review Schedule	Comments
ISSUES RAISED BY THE IRVINE COMPANY				
1	The 50/50 rule is unsustainable as ultimate development approaches.	Fundamental Policy Change	Oct 2011 - F&P	TIC has proposed an alternative application methodology for the 50/50 split, which results in a greater shift to property owners in total.
2	Non-bonded funded improvement districts (i.e. 110/210) should be included in the regional split and pay their fair share of new capital costs.	Fundamental Policy Change	Oct 2011 - F&P	TIC alleges that the bond-funded IDs are disproportionately paying for the costs of new regional infrastructure. The 110/210 areas paid for the initial capital facilities of the District and have been excluded from the regional capital split since.
3	The new capital program has grown substantially over the last decade with the additional of new regional projects such as MWRP Expansion, Biosolids, and water supply projects.	Derivative	Aug 2011 (and ongoing)	Additional projects added to the new capital program will necessitate an increase in current and future connection fees unless project costs are reclassified. At issue for IRWD would then be how revenues should be matched to such a shift.
4	Water and sewer demand projections may be overstated.	Supporting	Sept 2011 - E&O	TIC's concern is that conservation measures have led to substantial reductions in water and wastewater demands and without an update, IRWD's facilities are being unnecessarily oversized. A study is underway and a draft will be released in August/September.

Notes regarding Significance:

Fundamental issues relate to policy decisions or goals.

Derivative issues are consequential to policy decisions.

Supporting issues relate to analysis or implementation tasks.

Modeling Scenarios Matrix

*

	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 "D"

GENERAL OBLIGATION TAX REVENUES
Recommended Tax Rate Adjustments

Tax Rates

I.D.	Current	Proposed	Change	Estimated Revenue	Annual Debt Service	Difference
112	\$0.07920	\$0.03168	\$ (0.04752)	\$158,512	\$147,960	\$10,552
212	0.12420	0.07452	(0.04968)	\$372,864	\$411,240	-\$38,376
			\$ (0.09720)			
113	0.01980	0.05940	0.03960	\$361,839	\$458,330	-\$96,491
213	0.14533	0.08720	(0.05813)	\$531,172	\$561,310	-\$30,138
			\$ (0.01853)			
220/221	0.01800	0.00001	(0.01799)	\$497		\$497
220/221	0.00001	0.01700	0.01699	\$679,236	\$650,666	\$28,570
			\$ (0.00100)			
135	0.00842	0.00421	(0.00421)	\$129,327	\$136,714	-\$7,387
235	0.00532	0.00266	(0.00266)	\$86,572	\$82,230	\$4,343
			\$ (0.00687)			
140	0.00001	0.01000	0.00999	\$493,625	\$1,187,419	-\$693,794
240	0.03140	0.02140	(0.01000)	\$1,056,357	\$1,839,959	-\$783,602
			\$ (0.00001)			
150	0.00990	0.01980	0.00990	\$1,097,181	\$5,057,727	-\$3,960,547
250	0.03600	0.03600	-	\$1,998,673	\$6,471,533	-\$4,472,859
			\$ 0.00990			
260/261	0.02830	0.00001	(0.02829)	\$359		\$359
260/261	0.00001	0.02830	0.02829	\$1,039,433	\$1,127,603	-\$88,170
			\$ -			
182	0.01350	0.02700	0.01350	\$160,831	\$755,867	-\$595,036
282	0.01890	0.01890	-	\$129,608	\$559,867	-\$430,259
			\$ 0.01350			
184	0.00001	0.01350	0.01349	\$57,297	\$125,100	-\$67,803
284	0.03239	0.03239	-	\$137,343	\$765,360	-\$628,017
			\$ 0.01349			
186	0.03191	0.04787	0.01596	\$113,345	\$403,158	-\$289,812
286	0.00001	0.00201	0.00200	\$4,760	\$3,960	\$800
			\$ 0.01796			
188	0.03590	0.21540	0.17950	\$27,267	\$272,493	-\$245,226
288	0.00001	0.01000	0.00999	\$1,266	\$2,400	-\$1,134
			\$ 0.18949			

EXHIBIT "E"

RESOLUTION NO. 2011-

**RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE
RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA
RESCIND RESOLUTION 2011-25 AND ADOPT 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, RECYCLED WATER AND NATURAL
TREATMENT SYSTEM SERVICE AND EXHIBITS THERETO**

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

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, the Board of Directors of IRWD by adoption of Resolution No. 2011-25 on June 27, 2011 approved a revised Schedule of Rates and Charges - Exhibit "B" to the Rules and Regulations; and

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

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

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

WHEREAS, the proposed revisions to the Rates and Charges, 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 XIII D 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 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 and 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 3. The 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 effort, are hereby superseded. Staff is directed to incorporate the hereby adopted rate(s), fee(s), and/or charge(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 July, 2011.

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

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

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

By: _____

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*	\$3,316.00	\$2,925.00 \$2,671	\$2,477.00	\$2,091.00 \$1,910.00
	113	2,398.00	2,398.00 2,190	2,398.00 2,190	2,398.00 2,190
	102 (120), 121	1,146.00	1,146.00 1,047	1,146.00 1,047	1,146.00 1,047
	103 (130)	1,729.00	1,729.00 1,579	1,729.00 1,579	1,729.00 1,579
Total acreage for any given development shall be gross acres excluding private parks.	140	2,058.00	2,058.00 1,879	2,058.00 1,879	2,058.00 1,879
	105 (150)	1,729.00	1,729.00 1,579	1,729.00 1,579	1,729.00 1,579
	106 (160), 161	1,729.00	1,729.00 1,579	1,729.00 1,579	1,729.00 1,579
	186	9,490.00	9,490.00 8,667	9,490.00 8,667	9,490.00 8,667
	LC/LCS PA	2,152.00	2,152.00 2,002	2,152.00 2,002	2,152.00 2,002
	Lambert Ranch	2,814.00	2,814.00 2,664	2,814.00 2,664	2,814.00 2,664
	Los Alisos 135	3,248.00	3,248.00 2,966	3,248.00 2,966	3,248.00 2,966
	All others*				

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Commercial, Industrial and Public Authority – Office Building

	IMPROVEMENT DISTRICT	Commercial	Industrial	Public Authority
Connection Fees Per Gross Acre	101*	18,394	28,016 \$25,585.00	18,394 \$18,394
	113	17,524 16,004.00		8,762 8,762
	102 (120), 121	5,735 5,237.00	5,825 5,320.00	5,735 5,735
	103 (130)	3,504 3,200.00	3,504 3,200.00	3,504 3,504
	140	10,572 9,655.00	0.00	10,572 10,572
	105 (150)	9,086 8,288.00	12,898 11,779.00	9,086 9,086
	106 (160), 161	9,086 8,288.00	12,898 11,779.00	9,086 9,086
	186	19,344 17,666.00	19,344 17,666.00	19,344 19,344
	188	30,184 27,565.00	30,184 27,565.00	30,184 30,184
	Los Alisos 135	10,909 9,963.00	10,909 9,963.00	10,909 10,909
	All others*			

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Parks, Churches and Commercial Recreational Facilities

	IMPROVEMENT DISTRICT	Indoor Water Use	Outdoor ⁽¹⁾ Water Use
Connection Fees Per Fixture Unit	101*	57.61 \$52.61	202.72 \$185.13
	102 (120), 121	9.50 8.68	33.58 30.67
(1) As calculated per UPC as revised.	103 (130)	6.91 6.31	20.75 18.95
	140	39.89 36.43	140.34 128.16
	105 (150)	29.11 26.58	102.01 93.16
	106 (160), 161	30.22 27.60	105.92 96.73
	186	62.74 57.30	220.41 201.29
	188	150.86 137.77	530.75 484.70
	All others*		

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*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*	\$4,540.00	\$6,088.00	\$5,560.00
100 Students Average Daily Attendance	102 (120), 121	753.00	688.00	1,001.00
	103 (130)	462.00	422.00	622.00
(2) Minimum required	140	3,140.00	2,868.00	4,223.00
	105 (150)	2,286.00	2,088.00	3,075.00
	106 (160), 161	2,376.00	2,170.00	3,191.00
	186	4,735.00	4,324.00	6,636.00
	188	11,942.00	15,979.00	44,693.00
	All others*			510.00

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*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 =

$$\frac{[\text{Est. GPD use} - (\text{no. acres} \times \text{use factor})] \times \$946,1001,035.870/\text{cfs}}{646,320 \text{ gal/day/cfs}}$$

*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	5.9-10.8	10.9-25.8	25.9-40.0
	DUs/acre	DUs/acre	DUs/acre	DUs/acre
Connection Fees Per Dwelling Unit				
1 (201)*	\$5,886.00	\$5,238.00 4,784	\$4,311.00	\$3,402.00 3,407
213	4,197.00	4,197.00 3,833	4,197.00 3,833	4,197.00 3,833
2 (220), 221	810.00 740	810.00 740	810.00 740	810.00 740
2 (230)	1,952.00	1,952.00 1,783	1,952.00 1,783	1,952.00 1,783
Total acreage for any given				
development shall be gross				
acres excluding private parks.				
240	3,248.00	3,248.00 2,966	3,248.00 2,966	3,248.00 2,966
205 (250)	1,952.00	1,952.00 1,783	1,952.00 1,783	1,952.00 1,783
206 (260), 261	1,952.00	1,952.00 1,783	1,952.00 1,783	1,952.00 1,783
256	24,500.00	24,500.00 24,600	24,500.00	24,500.00 24,600
286	2,624.00	2,624.00 2,396	2,624.00 2,396	2,624.00 2,396
LC/LCS PA	3,306.00	3,306.00 3,437	3,306.00 3,437	3,306.00 3,437
Lambert Ranch	2,479.00	2,479.00 2,310	2,479.00 2,310	2,479.00 2,310
Los Alisos 235	2,286.00	2,286.00 2,088	2,286.00 2,088	2,286.00 2,088
OPA1 (Ridgeline)	4,200.00	4,200.00 4,200	4,200.00 4,200	4,200.00 4,200
All others*				

Commercial, Industrial and Public Authority – Office Building

IMPROVEMENT DISTRICT	Commercial	Industrial	Public Authority
	Connection Fees Per Gross Acre		
1 (201)*	\$32,988.00	\$57,553.00	\$32,988.00 \$32,988
213	25,009.00	*	12,413.00 12,413
2 (220), 221	6,676.00	10,083.00	6,676.00 6,676
2 (230)	740.00	740.00 676.00	740.00 740
240	14,830.00	- .00	14,830.00 14,830
205 (250)	8,901.00	14,770.00	8,901.00 8,901
206 (260), 261	8,901.00	14,770.00	8,901.00 8,901
286	5,456.00	5,456.00	5,456.00 5,456
288	5,456.00	5,456.00	5,456.00 5,456
Los Alisos 235	8,354.00	8,354.00	8,354.00 8,354
All others*			

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Parks, Churches and Commercial Recreational Facilities

IMPROVEMENT DISTRICT	Fee
Connection Fees Per Fixture Unit	
1 (201)*	\$364.96 \$333.30
2 (220), 221	105.27 96.14
2 (230)	25.33 23.13
240	220.63 201.49
205 (250)	139.50 127.40
206 (260), 261	134.69 123.00
286	59.46 54.30
288	59.46 54.30
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)*	\$17,293.00	\$23,062.00
100 Students Average Daily Attendance	2 (220), 221	4,846.00 4,847.00	6,589.00 6,047.00
	2 (230)	1,944.00 1,775.00	2,674.00 2,442.00
	240	10,428.00	13,905.00 12,699.00
	205 (250)	6,555.00 5,986.00	8,739.00 7,981.00
	206 (260), 261	6,438.00 5,879.00	8,584.00 7,839.00
	286	2,862.00 2,614.00	3,815.00 3,484.00
	288	2,862.00 2,614.00	3,815.00 3,484.00
	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	\$228.00 \$208.00	\$1,403.00 \$1,281.00	\$3,324.00 \$3,036.00

- (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 \$13,7515.05/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 "F"

RESOLUTION NO. 2011-
RESOLUTION OF THE BOARD OF DIRECTORS OF
IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA
ESTABLISHING AD VALOREM TAX REVENUES FOR
FISCAL YEAR 2011/12

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 2011-12 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 therefore 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. 102 of IRWD for fiscal year 2011-12 is .00001 percent (.0000001) of full value.

Section 2. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 130 of IRWD for fiscal year 2011-12 is .00680 percent (.0000680) of full value.

Section 3. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 105 of IRWD for fiscal year 2011-12 is .01980 percent (.0001980) of full value.

Section 4. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 106 of IRWD for fiscal year 2011-12 is .00001 percent (.0000001) of full value.

Section 5. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 121 of IRWD for fiscal year 2011-12 is .01311 percent (.0001311) of full value.

Section 6. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 140 of IRWD for fiscal year 2011-12 is .01000 percent (.0001000) of full value.

Section 7. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 161 of IRWD for fiscal year 2011-12 is .01758 percent (.0001758) of full value.

Section 8. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 182 of IRWD for fiscal year 2011-12 is .02700 percent (.0002700) of full value.

Section 9. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 184 of IRWD for fiscal year 2011-12 is .01350 percent (.0001350) of full value.

Section 10. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 1 of IRWD for fiscal year 2011-12 is .00001 percent (.0000001) of full value.

Section 11. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 2 of IRWD for fiscal year 2011-12 is .00001 percent (.0000001) of full value.

Section 12. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 230 of IRWD for fiscal year 2011-12 is .02200 percent (.0002200) of full value.

Section 13. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 206 of IRWD for fiscal year 2011-12 is .00001 percent (.0000001) of full value.

Section 14. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 221 of IRWD for fiscal year 2011-12 is .01700 percent (.0001700) of full value.

Section 15. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 240 of IRWD for fiscal year 2011-12 is .02140 percent (.0002140) of full value.

Section 16. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 250 of IRWD for fiscal year 2011-12 is .03600 percent (.0003600) of full value.

Section 17. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 261 of IRWD for fiscal year 2011-12 is .02830 percent (.0002830) of full value.

Section 18. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 282 of IRWD for fiscal year 2011-12 is .01890 percent (.0001890) of full value.

Section 19. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 284 of IRWD for fiscal year 2011-12 is .03239 percent (.0003239) of full value.

Section 20: That the tax be levied for servicing the General Obligation Bonds of Improvement District No. 135 of IRWD for fiscal year 2011-12 is .00421 percent (.0000421) of full value.

Section 21. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 235 of IRWD for fiscal year 2011-12 is .00266 percent (.0000266) of full value.

Section 22. 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 2011-12 is .00001 percent (.0000001) of full value.

Section 23. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 186 of IRWD for fiscal year 2011-12 is .04787 percent (.0004787) of full value.

Section 24. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 188 of IRWD for fiscal year 2011-12 is .21540 percent (.0021540) of full value.

Section 25. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 286 of IRWD for fiscal year 2011-12 is .00201 percent (.0000201) of full value.

Section 26. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 288 of IRWD for fiscal year 2011-12 is .01000 percent (.0001000) of full value.

Section 27. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 113 of IRWD for fiscal year 2011-12 is .05940 percent (.0005940) of full value.

Section 28. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 213 of IRWD for fiscal year 2011-12 is .08720 percent (.0008720) of full value.

Section 29. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 112 of IRWD for fiscal year 2011-12 is .03168 percent (.00031680) of full value.

Section 30. That the tax to be levied for servicing the General Obligation Bonds of Improvement District No. 212 of IRWD for fiscal year 2011-12 is .07452 percent (.0007452) of full value.

Section 31. The taxes levied by Section 1 through 24 of this Resolution are for bonds approved before January 1, 1989. The taxes levied by Section 25 through 28 are for bonds approved after January 1, 1989.

Section 32. 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 33. That the ad valorem tax revenues established by IRWD hereby for the fiscal year 2011-12 are in compliance with the provisions of Article XIII B of the constitution of the State of California.

Section 34. 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 therefore, 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.

July 25, 2011

Prepared by: K. McLaughlin

Submitted by: B. Beeman

Approved by: Paul Cook



ACTION CALENDAR

2011 STATE LEGISLATIVE UPDATE

SUMMARY:

This report provides an update on state legislation of interest to IRWD including IRWD-sponsored legislation. A copy of the 2011 State Legislative Matrix is attached as Exhibit "A".

Staff recommends that the Board adopt an Oppose position on SB 293 (Padilla): Contract Retentions.

BACKGROUND:

The Legislature began its month-long summer recess on July 15. When legislators return in mid-August, they will have until August 26 to complete Appropriations Committee work and until the last day of the session, September 9, to complete legislative work for the year. All two-year bills must be acted upon when the Legislature returns in January 2012 in order to move forward next year.

Budget Update:

After vetoing a Democratic majority-vote budget on June 16, on Tuesday the legislature adopted a majority-vote budget, passed along party lines, to bridge the \$9.6 billion budget deficit. Governor Brown signed the budget into law on June 29, two days before the beginning of the fiscal year. The budget package is predicated on an expected \$4 billion in previously unanticipated revenue, \$12 billion in cuts and triggers up to another \$1.6 billion in mid-year cuts if the revenues do not materialize. Initial cuts include cuts to the University of California, California State University, the state courts and deferrals of payments to K-12 schools and community colleges. If needed, the mid-year cuts will include further education cuts, as well as reductions to health and human services, corrections, state libraries, emergency management and public safety. A 1.06% sales tax swap would redirect money to local governments for the Governor's "realignment" plan rather than to the state, and the sales tax rate will still fall 1% on July 1. Reportedly, this deal will balance the budget this year and solve the remainder of the out-year structural deficit. With this deal the Governor has abandoned his goal of holding a special election on revenue this year, and is now aiming for a 2012 election on taxes.

IRWD-sponsored Legislation:

AB 741 (Huffman): Sewer Improvement Financing

After passing through the every step of the legislature unanimously, AB 741 was sent to Governor Brown for his signature on July 11. The Governor has until July 25 to sign or veto the bill. If he takes no action, AB 741 will automatically become law. Staff from the Governor's Office has indicated they have no concerns about the bill. If signed into law, IRWD could use

the authority in AB 741 to provide loans to customers for private sewer improvements beginning on January 1, 2012.

Other 2011 Legislation:

SB 293 (Padilla): Contract Retentions

SB 293 (Padilla) was gutted and amended on June 2 to include language prohibiting a public entity from retaining more than 5% of a contract price until final completion and acceptance of a project. Current law allows public entities to withhold at least 5% and up to 10% from payments to a general contractor, pending satisfactory completion of the project. Payment retention is an effective method of keeping contractors on the job until it is fully complete. Withheld funds are a financial loss to contractors if a project is abandoned, and the retained funds can help the agency pay for the cost to finish the work. Withholding money from payments to a contractor is a traditional practice in managing construction projects, both in the public and private sectors. SB 293 would weaken an important tool needed for safeguarding public money and ensuring that public works projects are completed in a timely and satisfactory manner.

The language in SB 293 (Padilla) is very similar to AB 1354 (Huber), held in the Assembly Business, Professions and Consumer Protection Committee earlier this year. IRWD opposed AB 1354 and legislative efforts in recent years to limit public entities retention abilities. Staff recommends that the Committee consider an OPPOSE position on SB 293 (Padilla).

Government Reform and Transparency Proposals

Approximately 30 local government transparency and reform bills were introduced in response to the 2010 City of Bell scandals. A matrix of local government reform-related bills is attached as Exhibit "B." Topics include compensation disclosure, auditing, meeting notices and transparency, conflicts of interest, and public contracts among others. Approximately half of the local government reform bills introduced continue to move forward. Staff continues to work closely with the California Special Districts Association, California Municipal Utilities Association, the Association of California Water Agencies and other industry associations to respond to these measures and provide information to the legislature about how these proposals would impact the delivery of services and costs to their constituents, particularly how these proposals would impact IRWD.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS

This item was reviewed and approved at the Water Resources Policy and Communications Committee on July 7, 2011.

RECOMMENDATION:

THAT THE BOARD ADOPT AN OPPOSE POSITION ON SB 294 (PADILLA).

LIST OF EXHIBITS:

Exhibit "A" – 2011 IRWD Legislative Matrix

Exhibit "B" – Local Government Reform Legislation

EXHIBIT "A"
IRWD 2011 LEGISLATIVE MATRIX
Updated July 18, 2011

Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
AB 19 Fong (D)	Building Standards: Water Meters: Multiunit Structures		Requires a water purveyor providing water service to a newly constructed multiunit residential structure or mixed-use residential and commercial structure, including a structure that is part of a common interest development, that submits and application for a water connection after a specified date, to require the installation of the meter or submeter to measure water to each unit as a condition of new water service. Requires the submeter to meet specified requirements. Relates to billing and disclosure.	04/27/2011 - In ASM Com on HOUSING AND COMMUNITY DEVELOPMENT: Reconsideration granted.	Sponsor: Sierra Club. Reintroduction of AB 1975 (Fong), 2010. 2_Year_Bill
AB 23 Smyth (R)	Local Agency Meetings: Compensation Disclosure		Amends the Ralph M. Brown Act which requires each legislative body of a local agency to provide the time and place for holding regular meetings. Authorizes a convened legislative body whose membership constitutes a quorum of any other legislative body to convene a meeting of the subsequent legislative body, simultaneously or in serial order, only if a clerk or member announces the amount of compensation or stipend, if any, each member will receive as a result of convening simultaneous or serial meetings.	07/12/2011 - *****To GOVERNOR.	
AB 54 Solorio (D)	Drinking Water		Requires a mutual water company that operates a public water system to submit an map depicting approximate service boundaries. Disallows expansion without approval. Requires a company financial reserve fund. Requires company board member training. Relates to projects funded under the Safe Drinking Water Revolving Fund. Relates to approval for annexation. Relates to safe drinking water standards compliance. Requires such companies to levy an assessment to pay water quality violation related civil fines.	07/11/2011 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.	
AB 83 Jeffries (R)	Environment: CEQA Exemption: Recycled Water Pipeline		Amends existing law regarding California Environmental Quality Act environmental impact reports. Exempts a project for the installation of a new pipeline for the distribution of recycled water within an improved public street, highway, or right-of-way.	04/11/2011 - In ASM Com on NAT RES: Failed passage. Reconsideration granted.	WRA: Support 2_Year_Bill
AB 134 Dickinson (D)	Sacramento Regional County Sanitation District	Oppose	Authorizes the Sacramento Regional County Sanitation District to file an application for a permit to appropriate a specified amount of water that is based on the volume of treated wastewater that the district discharges into the Sacramento River and recovers for reuse. Authorizes the State Water Resources Control Board to grant a permit to appropriate that treated wastewater upon terms and conditions determined by the board. Requires the board to comply with specified related requirements.	07/12/2011 - In SENATE. Read second time. To third reading.	Sponsor: Sacramento Regional

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AB 148 Smyth (R)	Local Government: Ethics Training: Disclosure	Watch	Defines the term ethics laws, for purposes of training for officers and employees of a local government, to include compensation setting guidelines as established by specified organizations. Requires the local agency to post the ethics training records of all elected members on the local agency's Internet Web site, if any, and to submit a copy of the records to the Contoller. Requires a local agency that has adopted a written attendance compensation policy to post the policy on the local agency's Web site.	05/27/2011 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.	CSDA - Supportive 2_Year_Bill
AB 157 Jeffries (R)	Safe, Clean and Reliable Drinking Water Supply Act	Oppose	Reduces the total amount of bonds authorized to be issued pursuant to the Safe, Clean and Reliable Drinking Water Supply Act of 2012. Makes conforming reductions to amounts specified to be allocated from these bond funds for certain purposes.	06/28/2011 - In ASSEMBLY Committee on WPW Not heard.	2_Year_Bill
AB 246 Wieckowski (D)	Water Quality: Enforcement	Oppose	Authorizes a regional water quality control board to delegate to its executive officer the authority to apply for judicial enforcement to the Attorney General, a district attorney, a city attorney of a city with a population that exceeds 750,000, or a city attorney for a city and county. Authorizes a district attorney, a city attorney of a city with a specified population to bring civil actions under the Porter-Cologne Water Quality Act and only upon approval of the Attorney General.	07/12/2011 - In SENATE. Read second time. To third reading.	
AB 249 Berryhill B (R)	Contractors	Watch	Limits the action for recovery of compensation paid to services for the construction or improvement of residential property. Authorizes a person who utilizes the services of a contractor for the construction or improvement of property other than specified residential property to bring an action in any court of competent jurisdiction in this state to recover all compensation paid to the contractor for performance of any act or contract during the time the contractor was not properly licensed.	04/04/2011 - Referred to Committee on BUSINESS, PROFESSIONS & CONSUMER PROTECTION.	2_Year_Bill
AB 262 Harkey (R)	California Regional Water Quality Control Boards	Watch	Revises the description of the boundaries of the Santa Ana Regional Water Quality Control Board and the San Diego Regional Water Quality Control Board.	02/18/2011 - To ASM Com on ENV SAF AND TOXIC MATERIALS.	2_Year_Bill
AB 275 Solorio (D)	Rainwater Capture Act of 2011		Enacts the Rainwater Capture Act of 2011. Authorizes residential, commercial, and governmental landowners to install, maintain, and operate rain barrel systems and rainwater capture systems for specified purposes. Requires a local agency to notify a public water system of any permit program. Authorizes a landscape contractor to enter into a prime contract for	07/13/2011 - In SENATE. Read second time and amended. To third reading.	

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
AB 392 Alejo (D)	Ralph M. Brown Act: Posting Agendas		the construction of such system, if it is used exclusively for landscape irrigation. Authorizes such contractors to design and install exterior parts. Requires the legislative body of a local agency, at least 72 hours before a regular meeting of that body, to post the agenda and staff generated reports that relate to an agenda item for the open session of that regular meeting. Requires the legislative body to post the agenda and the writings on its internet web site or in a public location if the body has not web site.	05/27/2011 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.	Sponsor: Realtors CSDA: Oppose 2_Year_Bill
AB 403 Campos (D)	Public Drinking Water Standards: Hexavalent Chromium	Watch	Requires the Department of Public Health to post its progress on the establishment of primary drinking water standard hexavalent chromium on the department's Internet Web site. Includes the adoption of a primary drinking water standard for hexavalent chromium among the proposed regulations relating to maximum contaminant levels for primary or secondary water standards that are subject to a review by the Department of Finance of not more than 90 days.	07/12/2011 - In SENATE. Read second time and amended. To third reading.	
AB 457 Wagner (R)	Public Works Contracts: Relief for Bidders		Entitles a bidder who successfully challenges the award of a public works contract determined to be invalid due to errors or omissions of the public entity to recover costs and attorney's fees incurred in pursuing the challenge. Allows attorney's fees and costs to be awarded to the public entity under specified circumstances.	05/03/2011 - In AM Com on BUS, PROF & CONSUMER PROTECTION: Not heard.	2_Year_Bill
AB 506 Wieckowski (D)	Local Government: Bankruptcy: Neutral Evaluation	Oppose	Expresses the intent of the Legislature to enact legislation that would provide an alternative dispute resolution procedures that cities, counties, and special districts may use before they seek financial relief through the provisions of Chapter 9 of the federal Bankruptcy Code.	07/12/2011 - In SENATE. Referred to Com on RULES.	
AB 550 Huber (D)	Sacramento-San Joaquin Delta: Peripheral Canal	Oppose	Prohibits the construction of a peripheral canal that conveys water from a diversion point in the Sacramento River to a location south of the Sacramento-San Joaquin Delta, unless expressly authorized by the Legislature. Requires the Legislative Analyst's Office to complete an economic feasibility analysis prior to the enactment of a statute authorizing the construction of a peripheral canal. Prohibits the construction and operation of a peripheral canal from diminishing water quality.	03/25/2011 - To ASSEMBLY Committees on WATER, PARKS AND WILDLIFE and APPROPRIATIONS.	2_Year_Bill
AB 576 Dickinson (D)	Delta Plan: Financing		Requires the Delta Stewardship Council to develop a long-term finance plan to pay for the costs of implementing the Delta Plan by a specified date. Prohibits the council from adopting new fees for these purposes unless authorized by statute. Authorizes the council, before adopting and collecting	03/31/2011 - In ASSEMBLY. Referred to Committee on	2_Year_Bill

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
AB 741 Huffman (D)	Onsite Wastewater Disposal	Sponsor	long-term revenue sources, to seek to obtain early funding contributions from entities that may benefit from implementation of the Plan and to track those contributions. Amends an existing law authorizing a property owner included within an assessment district for construction of a main trunkline or collector sewer lines, to request construction plumbing to connect his or her property to the adjoining public sewer system, and creates a lien. Relates to funding. Authorize defined entities, to use this provision for the purpose of converting properties from onsite septic systems and connecting them to the sewer system and for replacing or repairing existing sewer laterals.	WATER, PARKS AND WILDLIFE. 07/11/2011 - *****To GOVERNOR.	
AB 849 Gatto (D)	Water: Use Efficiency: Graywater Building Standards		Repeals the authority of a city, county, or other local agency to adopt building standards that prohibit entirely the use of graywater. Authorizes the adoption of standards that are more restrictive that required under state requirements. Requires that an ordinance enacted pursuant to this authority include the local climatic, geological, or topographical conditions requiring different building standards. Requires the local entities consult with the local public health department prior to permitting.	07/13/2011 - In SENATE. Read second time and amended. To third reading.	
AB 938 Perez V (D)	Public Water Systems	Watch	Amends existing law that establishes the Safe Drinking Water State Revolving Fund and requires total funding of a single project to be determined by an assessment of affordability. Adds environmental documentation to the costs of a single project that is required to determine by an assessment of affordability. Requires that written public notice given by a public water system be in specified languages. Establishes specified presumptions of compliance if a water system takes certain actions.	07/01/2011 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.	
AB 964 Huffman (D)	Water Rights: Appropriation	Support	Authorizes obtaining a right to appropriate water for a small irrigation use upon registering the use with the State Water Resources Control Board and, thereafter, applying the water to reasonable and beneficial use. Allows more that one such registration under specified conditions. Prohibits such use registration for a facility served or used pursuant to a permit or license for domestic or municipal use. Provides the requirements stream system registration. Relates to stream flow requirements.	06/30/2011 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.	
AB 1048 Harkey (R)	Water Quality: Recycled Water and Wastewater: Fluoride		Requires the State Water Resources Control Board to adopt a statewide policy establishing standards for levels of fluoride in recycled water and wastewater.	03/16/2011 - Re-referred to ASMCCom on ES & TM	Sponsor: SDCWA 2_Year_Bill

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
AB 1184 Gatto (D)	Public Employees' Retirement Benefits		Requires the Board of Administration of PERS to develop guidelines and implement program changes to ensure that a contracting agency that creates a significant increase in actuarial liability due to increased compensation bears the associated liability. Requires the system actuary to assess an increase in liability and make adjustments to the employer's rates. Applies the requirements to any significant increase in actuarial liability due to increased compensation paid to a nonrepresented employee.	07/01/2011 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.	
AB 1283 Berryhill B (R)	Safe, Clean, and Reliable Drinking Water Supply Act		Declares the intent of the Legislature to enact legislation relating to the Safe, Clean, and Reliable Drinking Water Supply Act of 2012.	02/18/2011 - INTRODUCED.	2_Year_Bill
AB 1354 Huber (D)	Public Works: Progress Payments: Notice: Retention	Oppose	Requires that a contractor pay a subcontractor on a public works project within 7 days after receipt of each progress payment. Relates to the time period for written notice regarding a claim against the bond of a contractor under a public works contract. Relates to retention proceeds withheld under a public works contract. Relates to progress payments made under a public works contract.	05/03/2011 - In ASM Comon BUSINESS, PROFESSIONS & CONSUMER PROTECTION: Not heard.	Sponsor: American Subcontractors Association California 2_Year_Bill
SB 27 Simitian (D)	Public Retirement: Final Compensation: Computation		Amends the State Teachers' Retirement Law. Revises the definition of creditable compensation. Prohibits certain members who elect to receive a lump-sum benefit payment from receiving that sum until a specified number of days have elapsed. Excludes compensation for certain substitute employees from a postretirement compensation limitation. Requires an employer participating in the Public Employees' Retirement System to notify the Board of Administration of certain changes.	07/07/2011 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.	
SB 31 Correa (D)	Local Government: Lobbyist Registration		Enacts a comprehensive scheme to regulate lobbying entities that lobby local government agencies, including requirements to register and make periodic reports regarding certain lobbying activities. Requires each agency to create a commission to implement and enforce these provisions. Provides that any person who knowingly or willingly violates a provision, or knowingly or willfully aides and abets any person in violation of any provision is guilty of a misdemeanor.	03/31/2011 - Re-referred to SENATE Committee on ELECTIONS AND CONSTITUTIONAL AMENDMENTS.	2_Year_Bill
SB 34 Simitian (D)	Water Resources Investment Act of 2011	Oppose	Requires revenues and charges collected under the Water Resources Investment Program to be deposited in the state Water Resources Investment Program Fund and a number of regional investment accounts within the fund. Requires money in the regional accounts be for water-related projects	05/04/2011 - From SENATE Committee on GOVERNANCE AND FINANCE: Do	2_Year_Bill

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Notes
SB 46 Correa (D)	Public Officials: Compensation Disclosure	Oppose_Amend	and programs. Requires state account moneys be appropriated for specified statewide water-related programs and the Delta plan, mercury contamination in the Sacramento-San Joaquin Delta, and for related bond debt service. Requires every designated employee and other person, except a candidate for public office, who is required to file a statement of economic interests to include a compensation disclosure form that provides compensation information for the preceding calendar year. Requires every agency to post of that agency's Internet Web site information contained on the compensation disclosure form filed by a person required to file a statement of economic interests. Requires the adoption of emergency regulations.	pass to Committee on APPROPRIATIONS. 06/06/2011 - In SENATE. Read second time. To third reading.	
SB 52 Steinberg (D)	Water Quality: Sacramento Regional Sanitation District		Appropriates funds to the Department of Water Resources from the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006 to provide financial assistance to the Sacramento Regional County Sanitation District to offset rate increases associated with the costs of capital improvements to the district's regional sewage treatment plant.	05/02/2011 - In SEN Com on ENV QUALITY: Failed passage.; Reconsideration granted.	2_Year_Bill
SB 186 Kehoe (D)	The Controller		Authorizes the Controller to exercise discretionary authority to perform an audit or investigation of any county, city, special district, joint powers authority, or redevelopment agency. Expands existing law, providing that if reports are not made in a specified manner of if there is reason to believe that reports are false, an investigation may be made and a copy of the results transmitted to the grand jury of the county. to also include a special district, joint powers authority, or redevelopment agency.	06/29/2011 - In ASSEMBLY Committee on LGOV: Failed passage. Reconsideration granted.	
SB 194 Governance and Finance Cmt	Local Government: Omnibus Bill		Authorizes a county to accept payments by credit card, debit card, or EFT. Relates to public records. Amends the County Budget Act. Relates to the maximum amount that a local legislative body may transfer from a special fund to the general fund, invest in a foreign bank, community service district boards, general plan public meetings, Subdivision Map Act and conveyances of land, sanitation employees, local taxation, facilities improvements, local construction contracts. and business improvement districts.	06/29/2011 - From ASSEMBLY Committee on LGOV: Do pass to Committee on APPROPRIATIONS.	
SB 200 Wolk (D)	Sacramento-San Joaquin Delta: Bay Delta Conservation	Oppose	Amends the Delta Reform Act of 2009 that requires the Delta Stewardship Council to consider the Bay Delta Conservation Plan (BDCP) for inclusion in a specified Delta Plan and the authorizes the incorporation of the plan into the Delta Plan if the BDCP meets certain requirements. Requires any state	03/24/2011 - Referred to Com on NATURAL RESOURCES AND	2_Year_Bill

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			agency that is responsible for authorizing or implementing any action of the BDCP to ensure the action is consistent with specified requirements prescribed by these provisions.	WATER.	
SB 215 Huff (R)	Invasive Aquatic Species: Mussels	Support	Extends the repeal, to a specified date, of existing law that generally prohibits a person from possessing, importing, shipping, or transporting, or from placing, planting, or causing to be placed or planted in any water within the state, dreissenid mussels, and authorizes the Director of Fish and Game or his or her designee to engage in enforcement activities. Provides that a person who violates, resists, delays, obstructs, or interferes with the implementation of these provisions is subject to a penalty.	07/13/2011 - In ASSEMBLY Committee on APPROPRIATIONS: To Suspend File.	
SB 224 Pavley (D)	Public Contracts: Department of Water Resources	Support	Amends existing law regarding public contract approvals by the Department of General Services. Exempts specified contracts entered into by the Department of Water Resources.	07/14/2011 - In ASSEMBLY. To third reading.	
SB 293 Padilla (D)	Payment Bonds: Laborers		Relates to the time period for the payment of a subcontractor by a prime contractor under a private or public works of improvement contract, the enforcement of a claim upon any payment bond given in connection with a public work contract, the notice of completion, the percentage of retention proceeds withheld under such contract, and progress payments upon contracts for public works of improvement, the the withholding of a percentage of the contract price until the project completion.	07/05/2011 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.	Gut and Amend - 5% retention. Public Works Coalition - priority oppose.
SB 449 Pavley (D)	Controller: Local Agency Financial Review		Authorizes the Controller to conduct a preliminary review to determine the existence of a local agency financial problem, and perform an audit upon completion of that review and to convene a local agency financial review committee and to authorize the committee to recommend a financial recovery plan for a local agency requesting assistance. Requires the Controller to report to the Legislature on the actions of the committee and the status of all engagements with local agencies.	06/29/2011 - In ASM Committee on LGOV: Failed passage. Reconsideration granted.	
SB 474 Evans (D)	Commercial Construction Contracts: Indemnity	Oppose	Provides that for construction contracts that are not for residential construction, a direct contract with a public agency, or the owner of private property, that purport to insure or indemnify specified individuals are unenforceable to the extent the claims are for active negligence or willful misconduct upon the part of specified individuals, or defects, or to the extent the claims do not arise out of the scope of work of the individuals. Provides	07/06/2011 - In ASSEMBLY. Read second time. To third reading.	

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SB 475 Wright (D)	Infrastructure Financing		the same policy towards public construction contacts. Authorizes a local governmental agency to enter into an agreement with a private entity for financing for specified types of revenue generating infrastructure projects. Requires an agreement to include adequate financial resources to perform the agreement. Permits the agreements to lease or license to, or provide other permitted uses by, the private entity.	06/29/2011 - In ASM Com on L GOV: Failed passage. Reconsideration granted.	WRA - support
SB 571 Wolk (D)	Water Commission: Water Plan: Water Resources		Provides for the organization of the State Water Commission as a separate agency in state government. Enacts the Water Resources Investment Planning Act to establish regional water planning agencies and a state water investment plan. Provides the frequency for plan updates. Requires the State Department of Water Resources and regional agencies to submit related reports to the commission. Prescribes the contents of the reports and the purpose for developing the reports.	04/13/2011 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.	2_Year_Bill
SB 607 Walters (R)	Water Resources Board: Brackish Groundwater Treatment		Requires the Water Resources Control Board to either amend the State Ocean Plan, or adopt separate standards, to address water quality objectives and effluent limitations that are specifically appropriate for brackish groundwater treatment system facilities that produce municipal water supplies for local use.	07/14/2011 - In ASSEMBLY. Read second time. To Consent Calendar.	Sponsor: SOCWA
SB 834 Wolk (D)	Integrated Regional Water Management Plans: Contents		Requires an integrated regional water management plan to address specified water quality and water supply matters and identify the manner in which the plan complies with a specified state policy concerning reducing reliance on the Sacramento-San Joaquin Delta for water supply and improving regional self-reliance for water, if the region depends on water for the watershed. Requires integrated regional water management plans to incorporate that requirement. Relates to plan funding.	06/30/2011 - In ASSEMBLY. Read second time. To third reading.	
SB 911 De Leon (D)	Local Agency Bonds: Reports		Requires the Chief Fiscal Officer of a local agency issuing bonds to file a report on any project funded with its governing body within 60 days after the close of the agency's fiscal year. Provides that failure to do so on time shall result in a suspension of bond proceeds until the report is submitted. Requires a issuing local agency, upon a request about any expenditure of bond proceeds exceeding a specified amount, to make specified information available with respect to any expenditure or expenditures.	05/23/2011 - To ASSEMBLY Committee on LOCAL GOVERNMENT.	

EXHIBIT "B"
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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
<u>AB 23</u> Smyth (R)	Local Agency Meetings: Compensation Disclosure		Amends the Ralph M. Brown Act which requires each legislative body of a local agency to provide the time and place for holding regular meetings. Authorizes a convened legislative body whose membership constitutes a quorum of any other legislative body to convene a meeting of the subsequent legislative body, simultaneously or in serial order, only if a clerk or member announces the amount of compensation or stipend, if any, each member will receive as a result of convening simultaneous or serial meetings.	07/12/2011 - *****To GOVERNOR.	
<u>AB 46</u> Perez J (D)	Local Government: Cities		Provides that a city with a specified population would be incorporated into that city's respective county unless a county board of supervisors determines, by majority vote, that continuing such a city within that county's boundaries would serve a public purpose, and it is impracticable for residents to organize in another form of local governance. Requires the local agency formation commission within the county to oversee the terms and conditions of the disincorporation of the city.	06/28/2011 - In SENATE. Read second time and amended. To third reading.	
<u>AB 89</u> Hill (D)	Retirement: Public Employees		Specifies that, for the purposes of determining a retirement benefit paid to a person who first becomes a member of a public retirement system, to the extent that the benefits payable under the system are subject to the compensation limits prescribed by a specified provision on the Internal Revenue Code, the maximum salary, compensation, or pay rate taken into account under the plan for any year shall not exceed federal law requirements. Relates to the County of San Mateo retirement plan.	06/27/2011 - From SEN Com on PUBLIC EMPL AND RET: Do pass to Committee on APPR	
<u>AB 148</u> Smyth (R)	Local Government: Ethics Training: Disclosure	Watch	Defines the term ethics laws, for purposes of training for officers and employees of a local government, to include compensation setting guidelines as established by specified organizations. Requires the local agency to post the ethics training records of all elected members on the local agency's Internet Web site, if any, and to submit a copy of the records to the Controller. Requires a local agency that has adopted a written attendance compensation policy to post the policy on the local agency's Web site.	05/27/2011 - In ASSEMBLY Committee on APPROPRIATIONS: Held in committee.	2_Year_Bill CSDA - Supportive
<u>AB 162</u> Smyth (R)	Local Government: Financial Reports		Requires that, if an audit of a local agency reveals certain financial irregularities, the findings be sent separately to the Controller immediately after the audit has been concluded. Requires the Controller to prepare and transmit a report on those findings, and the Controller's recommendations, to the Asm Com on Local Government and the Senate Comon LGov.	02/18/2011 - To ASSEMBLY Committee on LOCAL GOVERNMENT	2_Year_Bill

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
<u>AB 187</u> Lara (D)	State Auditor: Audits: Local Government Agency Program		Authorizes the State Auditor, subject to specified conditions, to establish a high-risk local government agency audit program to identify, audit, and issue reports on any local government agency, including any city, county, or special district, or any publicly created entity that the State Auditor identifies as being at high risk for the potential of waste, fraud, abuse, or mismanagement or that has major challenges associated with its economy, efficiency, or effectiveness. Requires the State Auditor to appoint an enforcement program monitor to the Commission on Teacher Credentialing to monitor and evaluate the Division of Professional Practices within the Commission. Specifies the purpose of the monitoring would be to improve the quality and consistency, reduce timeframes and backlogs, and establish comprehensive written procedures related to the review of reported cases of misconduct, effectively track cases, and foster a professional workplace environment.	07/11/2011 - In SENATE Committee on APPROPRIATIONS: To Suspend File.	2_Year_Bill
<u>AB 229</u> Lara (D)	Auditor: Teacher Credentialing: Program Monitor		Limits the action for recovery of compensation paid to services for the construction or improvement of residential property. Authorizes a person who utilizes the services of a contractor for the construction or improvement of property other than specified residential property to bring an action in any court of competent jurisdiction in this state to recover all compensation paid to the contractor for performance of any act or contract during the time the contractor was not properly licensed.	07/11/2011 - Read second time and amended. Referred to Committee on EDUCATION.	
<u>AB 249</u> Berryhill B (R)	Contractors	Watch	Requires the Controller to prescribe uniform accounting procedures that are applicable only to specified types of special districts. Requires the Controller to prescribe uniform accounting procedures for cities in collaboration with the Committee on City Accounting Procedures which would be created by this bill. Makes various conforming changes.	04/04/2011 - Referred to Committee on BUSINESS, PROFESSIONS & CONSUMER PROTECTION.	2_Year_Bill
<u>AB 253</u> Smyth (R)	Local Agencies: Accounting		Includes within the definition of local agency any joint powers agency that issues conduit revenue bonds. Requires these joint powers agencies to furnish the Controller with required financial reports. Raises the amount of forfeiture for a local agency that fails or refuses to provide those reports. Requires the Controller to perform and audit if the local agency fails to provide reports for three consecutive years. Repeals a requirement for reporting school district data to the Controller.	06/27/2011 - Referred to Committee on GOVERNANCE AND FINANCE.	
<u>AB 276</u> Alejo (D)	Local Government: Financial Reports			06/08/2011 - To SENATE Committee on GOVERNANCE AND FINANCE.	2_Year_Bill

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
AB 309 Cook (R)	Public Officers: Removal from Office		Relates to appointed or ex officio office holders on the governing bodies of any local agency. Provides that an appointed or ex officio office becomes vacant where the appointed or ex officio individual has been debarred, suspended, disqualified, or otherwise excluded from participating in federal covered transactions.	06/27/2011 - In SENATE. From Special Consent Calendar. To Inactive File.	
AB 340 Furutani (D)	County Employees' Retirement		Relates to county employee retirement. Prohibits the use of a variety of payments and compensation and payments for unused leave time earned or payable in a specified period for the purpose of enhancing a member's retirement benefit. Requires the retirement board to establish a procedure to determine which elements were paid for retirement purposes, and to notify the member and employer. Relates to local compensation reports, penalties for not timely enrolling eligible members, and reinstatement procedures.	07/11/2011 - SENATE. *****To ASSEMBLY for concurrence.	
AB 344 Furutani (D)	Public Employees' Retirement		Deletes the authorization for the Public Employees' Retirement Board to adopt regulations permitting exemptions to the average increase in final compensation for members, including school members, who are not in a group or class. Repeals an existing law that provides that a person may serve without reinstatement under an appointment that exceeds a specified number of hours in any fiscal year, if the governing body of the contracting agency requests approval from the Board.	06/27/2011 - In SENATE Committee on APPROPRIATIONS.	
AB 392 Alejo (D)	Ralph M. Brown Act: Posting Agendas		Requires the legislative body of a local agency, at least 72 hours before a regular meeting of that body, to post the agenda and staff generated reports that relate to an agenda item for the open session of that regular meeting. Requires the legislative body to post the agenda and the writings on its internet web site or in a public location if the body has not web site.	05/27/2011 - In ASM Com on APPROPRIATIONS: Held in committee.	2_Year_Bill Sponsor: Realtors CSDA: Oppose
AB 457 Wagner (R)	Public Works Contracts: Relief for Bidders		Entitles a bidder who successfully challenges the award of a public works contract determined to be invalid due to errors or omissions of the public entity to recover costs and attorney's fees incurred in pursuing the challenge. Allows attorney's fees and costs to be awarded to the public entity under specified circumstances.	05/03/2011 - In ASM Committee on BUS, PROF & CONS PROT: Not heard.	2_Year_Bill
AB 506 Wieckowski (D)	Local Government: Bankruptcy: Neutral Evaluation	Oppose	Expresses the intent of the Legislature to enact legislation that would provide an alternative dispute resolution procedures that cities, counties, and special districts may use before they seek financial relief through the provisions of Chapter 9 of the federal Bankruptcy Code.	07/12/2011 - In SENATE. Referred to Common RULES.	

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
<u>AB 527</u> Hernandez R (D)	Public Officials: Financial Interests		Amends existing law that prohibits specified public employees from being financially interested in any contract made by them in their official capacity and defines remote interest related thereto. Requires that the remote interest be disclosed at a public meeting of that body or board. Provides the conditions that members of the Legislature, state, county, and city officers or employees shall be deemed to be financially interested in a contract. Limits the liability of any person under specified provisions. Requires that proposed compensation increases of more than a certain percentage for specified employees under the Ralph M. Brown Act be publicly noticed.	07/06/2011 - In SENATE Come on GOV ORG: Failed passage.	2_Year_Bill
<u>AB 582</u> Pan (D)	Open Meetings: Local Agencies			05/27/2011 – Held in ASM Com APPR:	2_Year_Bill
<u>AB 738</u> Hagman (R)	Public Employees' Retirement: Elected Officials		Prohibits a person who is publicly elected to an office of any kind on and after January 1, 2012, from becoming a member of a retirement system by virtue of that service or acquiring any retirement right or benefit for serving in that elective office. Applies these prohibitions to a person who is appointed to fill the term of a person so elected.	05/04/2011 - In ASM Committee on PUB EMPL, RET AND SS: Not heard.	2_Year_Bill
<u>AB 782</u> Brownley (D)	Public Employee Benefits: Audits		Requires the Board of Administration of PERS to notify the subject of an audit, before initiating the audit, of the estimated time required to complete the audit. Specifies factors upon which the estimate would be based. Authorizes the board to assess a reasonable charge upon the employer to recover additional costs incurred for the excess time to complete the audit if an audit requires an excess of the time estimated. Exempts the contracting agency from assessments for reasonable delays.	07/12/2011 - *****To GOVERNOR.	
<u>AB 785</u> Mendoza (D)	Political Reform: Public Officers: Financial Interest		Provides that a public official who is an elected or appointed member of a state or local government agency has a financial interest in a decision of that agency if an immediately family member of the official has a financial interest in the decision. Ascribes a financial interest to an immediate family member. Defines immediate family member to mean a public official's spouse or domestic partner, child, parent, sibling, or the spouse or domestic partners of a child, parent, or sibling.	04/25/2011 - Referred to Committee on ELECTIONS AND REDISTRICTIN G.	2_Year_Bill
<u>AB 834</u> Hernandez R (D)	Local Government Contracts		Requires the legislative body of a city, county, or district to review any contract with a private party with a specified total value, that contains an automatic renewal clause on or before the annual date by which the contract may be rescinded.	06/03/2011 - In ASSEMBLY. Reconsideration granted.	2_Year_Bill

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
<u>AB 870</u> Grove (R)	Public Employees' Retirement: Hybrid Plan		Requires the Board of Administration of the Public Employees' Retirement System to create a hybrid retirement plan for public employees who become members on or after a specified date, that offers a defined contribution plan and defined benefit plan for retirement for service and a defined benefit plan for retirement for disability or death. Prohibits the creation of vest property right for members with respect to any employer contributions before retirement.	03/31/2011 - To Re-referred to Com on PUBLIC EMPLOYEES, RETIREMENT AND SOCIAL SECURITY.	2_Year_Bill
<u>AB 873</u> Furutani (D)	Postgovernment Employment Restrictions		Prohibits members of the Board of Administration of the Public Employees' Retirement System (PERS) and the Teachers' Retirement Board (STRS), and specified officers and employees of PERS and STRS from engaging in certain employment activities, including representing another person to influence specified actions and from aiding, advising, consulting with, or assisting, a business entity in negotiations or obtaining a contract, for specified time periods after leaving the entities.	06/27/2011 – In Senate Committee on APPROPRIATIONS.	
<u>AB 875</u> Donnelly (R)	Public Employees' Retirement		Relates to the Public Employees' Retirement Law. Provides that for persons first hired on and after a specified date, for the purpose of determining any pension or benefit with respect to a public entity defined benefit retirement system, it is prohibited to include credit for accrued leave of any form or credit for overtime work in the calculation of final compensation, as specified.	05/04/2011 - In ASM PUB EMPL, RET AND SS: Reconsideration granted.	2_Year_Bill
<u>AB 1028</u> Pub Emp, Rtrmnt & Soc Sec Cmt	State Employees' Retirement		Provides a revision of the Public Employees Retirement Law.	06/27/2011 – In Sen Comon APPR.	
<u>AB 1132</u> Smyth (R)	Public Employees' Retirement		Makes a technical, nonsubstantive change to existing law providing a comprehensive set of rights and benefits based upon age, service credit, and final compensation to members of the Public Employees' Retirement System. Authorizes a retired person to serve without reinstatement from retirement or loss or interruption of benefits provided by the Public Employees' Retirement System as a member of any board, commission, or advisory committee.	02/18/2011 - INTRODUCED.	2_Year_Bill
<u>AB 1151</u>	Public Retirement		Amends the State Public Divest from Iran Act which prohibits the Public	07/12/2011 - In	

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
Feuer (D)	Systems: Investments: Iran		Employees' Retirement System and the State Teachers' Retirement System from investing in a company with operations in Iran. Prohibits the boards from investing in a company that has a financial investment in parts of the energy sector of Iran. Requires annual reviews and public posting. Eliminates the exception for investments in certain companies providing humanitarian relief and promoting health, education, and religion.	SEN. Read second time and amended. Referred to Committee on APPR	
AB 1184 Gatto (D)	Public Employees' Retirement Benefits		Requires the Board of Administration of PERS to develop guidelines and implement program changes to ensure that a contracting agency that creates a significant increase in actuarial liability due to increased compensation bears the associated liability. Requires the system actuary to assess an increase in liability and make adjustments to the employer's rates. Applies the requirements to any significant increase in actuarial liability due to increased compensation paid to a nonrepresented employee.	07/01/2011 - In SENATE. Read second time and amended. Referred to Committee on APPR	
AB 1212 Mansoor (R)	County Employees' Retirement		Authorizes the South Coast Air Quality Management District to adopt and provide retirement benefits for its employees, including unrepresented employees, hired on, or after, the date specified in any resolution, contract, or contract amendment. Prohibits those benefits unless they are adopted by the district's governing board pursuant to a memorandum of understanding.	06/02/2011 - In ASSEMBLY. From third reading. To Inactive File.	2_Year_Bill
AB 1247 Fletcher (R)	Public Retirement Systems: Reporting		Amends the Public Employees' Retirement Law. Relates to the reporting of calculations of the contribution rates for specified state employees and state employers. Requires the Board of Administration of PERS to submit that report annually. Limits the scope of the report to state employee retirement plans. Revises the adjustments of the investment return assumptions and discount rates utilized by the board any time it calculates the contribution rates. Deletes a specified reporting requirement.	06/27/2011 - In SENATE Committee on APPROPRIATIONS.	
AB 1287 Buchanan (D)	Local Government: Audits		Requires local agencies, defined to include cities, counties, a city and county, special districts, authorities, or public agencies, to comply with General Accounting Office standards for financial and compliance audits and prohibits an independent auditor from engaging in financial compliance audits unless the auditor completes a quality control review.	03/21/2011 - To ASSEMBLY Committee on LOCAL GOVERNMENT	2_Year_Bill
AB 1320 Allen (D)	Public Employees' Retirement		Establishes in the retirement fund for each public employer a Taxpayer Adverse Risk Prevention Account. Provides the account would be an employer asset, but would not be counted as an asset for the purpose of	06/27/2011 - In SENATE Committee on	

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			determining the employer's contribution rate. Deposits into the account would be made into the account when certain conditions apply. Provides the circumstances under which assets in the account would be drawn upon. Relates to additional employer contribution. Relates to county retirement programs.	APPROPRIATE.	
AB 1345 Lara (D)	Local Government: Boards and Councils		Provides that, in the event of the loss of a quorum of city council members due to vacant seats on the city council, voluntarily, by removal, of for some other legal reason, establishes a city council appointment committee consisting of any remaining city council members, the city's chief administrative officer, a representative from the county board of supervisors, and as many public members as are required to meet the same number of city council members.	03/31/2011 - Referred to Committee on LOCAL GOVERNMENT	2_Year_Bill
AB 1350 Lara (D)	Property Taxation: Override Rates: Validation		Requires the county auditor, if a local jurisdiction increases or extends a property tax rate for the purpose of making payments in support of certain pension programs, prior to the increase or extension of the rate, to verify the rate increased or extended does not exceed the maximum authorized by law. Requires the jurisdiction to provide the auditor with any documentation necessary to assist in making the verification, and to reimburse the auditor. Requires the auditor to reject an excessive increase.	07/13/2011 - In SENATE. To Special Consent Calendar.	
AB 1354 Huber (D)	Public Works: Progress Payments: Notice: Retention	Oppose	Requires that a contractor pay a subcontractor on a public works project within 7 days after receipt of each progress payment. Relates to the time period for written notice regarding a claim against the bond of a contractor under a public works contract. Relates to retention proceeds withheld under a public works contract. Relates to progress payments made under a public works contract.	05/03/2011 - In ASM Com on BUS, PROF & CONSUMER PROTECTION: Not heard.	2_Year_Bill Sponsor: American Subcontractors Association California
AB 1379 Bradford (D)	Economic Development: Public Pension Funds		Requires a state or local pension system with a specified amount of assets to report to the Controller on state investments and emerging domestic market investments that it obtains and holds in its portfolio. Requires the Board of Administration of the Public Employees' Retirement System along with the Teachers' Retirement Board to share with other public pension systems streamlined and cost-effective methods to identify investments. Authorizes investment information be placed on the Controller's Web site.	06/27/2011 - In Committee on APPROPRIATE.	
SB 27	Public Retirement:		Amends the State Teachers' Retirement Law. Revises the definition of	07/07/2011 - Re-	

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
Simitian (D)	Final Compensation: Computation		<p>creditable compensation. Prohibits certain members who elect to receive a lump-sum benefit payment from receiving that sum until a specified number of days have elapsed. Excludes compensation for certain substitute employees from a postretirement compensation limitation. Requires an employer participating in the Public Employees' Retirement System to notify the Board of Administration of certain changes.</p>	referred to Committee on APPROPRIATIONS.	
SB 31 Correa (D)	Local Government: Lobbyist Registration		<p>Enacts a comprehensive scheme to regulate lobbying entities that lobby local government agencies, including requirements to register and make periodic reports regarding certain lobbying activities. Requires each agency to create a commission to implement and enforce these provisions. Provides that any person who knowingly or willfully violates a provision, or knowingly or willfully aides and abets any person in violation of any provision is guilty of a misdemeanor.</p>	03/31/2011 - Referred to SEN Com on ELECT AND CONST AMENDS.	2_Year_Bill
SB 46 Correa (D)	Public Officials: Compensation Disclosure	Oppose_Amend	<p>Requires every designated employee and other person, except a candidate for public office, who is required to file a statement of economic interests to include a compensation disclosure form that provides compensation information for the preceding calendar year. Requires every agency to post of that agency's Internet Web site information contained on the compensation disclosure form filed by a person required to file a statement of economic interests. Requires the adoption of emergency regulations.</p>	06/06/2011 - In SENATE. Read second time. To third reading.	
SB 115 Strickland (R)	Public Employees: Pensions: Forfeiture		<p>Requires a public officer or employee who is convicted of any felony for specified criminal activity arising directly out of that person's official duties to forfeit all rights and benefits under, and membership in, any public retirement system in which they are a member, effective on the conviction date. Requires any contributions made by that public officer or employee to the system that arose directly from the forfeited service would be returned to the officer or employee without interest.</p>	05/02/2011 – SEN Com on PUB EMPL AND RETIREMENT: Reconsideration granted.	2_Year_Bill
SB 186 Kehoe (D)	The Controller		<p>Authorizes the Controller to exercise discretionary authority to perform an audit or investigation of any county, city, special district, joint powers authority, or redevelopment agency. Expands existing law, providing that if reports are not made in a specified manner of if there is reason to believe that reports are false, an investigation may be made and a copy of the results transmitted to the grand jury of the county, to also include a special district,</p>	06/29/2011 Reconsideration granted.	2_Year_Bill

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
SB 194 Governance and Finance Cmt	Local Government: Omnibus Bill		joint powers authority, or redevelopment agency. Authorizes a county to accept payments by credit card, debit card, or EFT. Relates to public records. Amends the County Budget Act. Relates to the maximum amount that a local legislative body may transfer from a special fund to the general fund, invest in a foreign bank, community service district boards, general plan public meetings, Subdivision Map Act and conveyances of land, sanitation employees, local taxation, facilities improvements, local construction contracts, and business improvement districts.	06/29/2011 – In ASSEMBLY Committee APPROPRIATIONS.	
SB 203 Correa (D)	County Employee Retirement: Boards		Deletes the authority of a County Retirement Board to prohibit a member from having the same rights, privileges, responsibilities, and access to closed sessions as the 2nd, 3rd, 7th or 8th member, or from holding positions on committees of the board and participating in board or committee deliberations. Modifies the authority of alternate members. Provides for elections to fill vacancies. Prescribes a process to fill vacancies on a related board of investments.	07/14/2011 - *****To GOVERNOR.	
SB 235 Negrete McLeod (D)	Water Conservation Districts: Number of Director		Authorizes a water conservation district with a board of directors consisting of 7 directors, to reduce the number of directors to 5, consistent with specified requirements. Provides that these provisions do not apply to districts within the County of Ventura.	07/08/2011 - Enrolled.;07/11/2011 - *****To GOVERNOR.	
SB 236 Anderson (R)	California Public Records Act		Makes technical, nonsubstantive changes to the California Public Records Act which requires state and local agencies to make public records available for inspection by the public.	02/17/2011 - To SENATE Committee on RULES.	2_Year_Bill
SB 288 Negrete McLeod (D)	Local Government: Independent Special Districts		Authorizes the governing board of an independent special district to provide for the establishment of a revolving fund in an amount not to exceed a specified amount of the independent special district's adopted budget for that fiscal year. Requires the resolution establishing the fund to make specified designations relating to the purposes for which the fund may be expended, the district officer with authority and responsibility over the fund, the necessity for the fund, and the maximum amount of the fund.	07/07/2011 - Signed by GOVERNOR.;07/08/2011 - Chaptered by Sec of State. Chapter No. 66	Sponsor: CSDA
SB 293 Padilla (D)	Payment Bonds: Laborers		Relates to the time period for the payment of a subcontractor by a prime contractor under a private or public works of improvement contract, the enforcement of a claim upon any payment bond given in connection with a	07/05/2011 - In ASM. Read second time and	Gut and Amend - 5% retention. Public Works

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
			public work contract, the notice of completion, the percentage of retention proceeds withheld under such contract, and progress payments upon contracts for public works of improvement, the the withholding of a percentage of the contract price until the project completion.	amended. Referred to Com on APPR	Coalition - priority oppose.
SB 321 Negrete McLeod (D)	State Employees: Memorandum of Understanding		Approves the provisions of a memorandum of understanding entered into between the state employer and State Bargaining Unit 2 that requires the expenditure of funds.	03/24/2011 - Referred to SEN Com on PUB EMPL & RET.	2_Year_Bill
SB 322 Negrete McLeod (D)	Retirement		Amends the Public Employees' Retirement Law and annuities. Prohibits a member who receives benefits based on credited service with multiple employers from exceeding the limitations set forth in those provisions with regard to his or her annual retirement benefits.	06/29/2011 - Signed by GOV. 07/01/2011 - Chaptered by Sec of State. Chapter No. 47	
SB 350 Negrete McLeod (D)	Public Employees' Retirement System: Death Benefits		Amends the Public Employees' Retirement Law as regards preretirement death benefits. Requires assets and liabilities of contracting agencies to be pooled. Provides that certain members entitled to receive survivor allowance benefits receive increased benefits. Deletes provisions relating to contracting agency survivor benefit accounts. Relates to the contribution rate when pooled assets and liabilities exceeds a certain percentage of the total liabilities of the pool.	07/07/2011 - In ASSEMBLY. Read second time. To third reading.	
SB 398 Hernandez E (D)	Retirement: Placement Agents		Regulates investments made by public pension and retirement systems and defines the term external managers and placement agents. Provides an updated definition for both an external manager and placement agent.	07/05/2011 - In ASM Com on APPR	
SB 449 Pavley (D)	Controller: Local Agency Financial Review		Authorizes the Controller to conduct a preliminary review to determine the existence of a local agency financial problem, and perform an audit upon completion of that review and to convene a local agency financial review committee and to authorize the committee to recommend a financial recovery plan for a local agency requesting assistance. Requires the Controller to report to the Legislature on the actions of the committee and the status of all engagements with local agencies.	06/29/2011 - In ASSEMBLY Committee on L GOV: Reconsideration granted.	2_Year_Bill
SB 474 Evans (D)	Commercial Construction	Oppose	Provides that for construction contracts that are not for residential construction, a direct contract with a public agency, or the owner of private	07/06/2011 - In ASSEMBLY.	

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
	Contracts: Indemnity		property, that purport to insure or indemnify specified individuals are unenforceable to the extent the claims are for active negligence or willful misconduct upon the part of specified individuals, or defects, or to the extent the claims do not arise out of the scope of work of the individuals. Provides the same policy towards public construction contacts.	Read second time. To third reading.	
SB 520 Walters (R)	Public Employees' Retirement: Hybrid Plan		Requires the Public Employees' Retirement System Board of Administration to create a hybrid retirement plan for employees who become members after a specified date, that offers a defined contribution and defined benefit plan for service and a defined benefit plan for retirement for disability or death. Prohibits these plans from creating a vested property right for the member with respect to any employer contributions before retirement.	03/24/2011 - Referred to SEN Com on PUB EMPL AND RETIREMENT.	2_Year_Bill
SB 521 Walters (R)	Public Employees' Benefits: Postemployment Health Care		Requires the Public Employees' Retirement System Board of Administration to determine the actuarially required contributions necessary to ensure that postemployment health care benefits provided under the Public Employees' Medical and Hospital Care Act are fully funded. Requires an employee first hired on or after a specified date, and his or her employer, to each pay 50% of those actuarially required contributions, to be deposited into the Annuitants' Health Care Coverage Fund.	03/24/2011 - Referred to SEN Com on PUB EMPL AND RETIREMENT.	2_Year_Bill
SB 522 Walters (R)	Public Employees' Retirement: Additional Service Credit		Amends existing law that authorizes certain members of the Public Employees' Retirement System and the Teachers' Retirement System, and county, city, and district retirement systems the payment of contributions for additional retirement service credit for time that does not qualify for public service. Repeals these provisions. Makes related technical changes.	03/22/2011 - Referred to SEN Com on PUB EMPL AND RET.	2_Year_Bill
SB 523 Walters (R)	Public Employees' Retirement: Elected Local Officials		Prohibits a person who is publicly elected to a local office of any kind from becoming a member of a retirement system by virtue of that service or from acquiring any retirement right or benefit for serving in that elective local office. Applies these prohibitions to a person who is appointed to fill the term of a person so elected.	03/22/2011 - In Re-referred to SEN Com on PUB EMPL AND RET.	2_Year_Bill
SB 524 Walters (R)	Public Employees' Retirement: Retroactive Benefits		Excludes matters relating to the retroactive effect of pension benefit increases from the scope of representation of public employees by recognized employee organizations. Prohibits these organizations from negotiating for a retroactive effect of pension benefit increases. Requires that any adjustment to the formula used to calculate retirement benefits of a	03/22/2011 - Referred to SEN Com on PUB EMPL AND RETIREMENT.	2_Year_Bill

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

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Bill No. Author	Title	IRWD Position	Summary/Effects	Status	Two Year Bill / Commentary
<u>SB 903</u> Anderson (R)	Public Retirement Systems: Investments: Iran		<p>the establishment of the fund, and the average rate of investment return since a specified date. Requires the Treasurer, to present the information to a publicly notified, joint meeting of the budget and retirement committees of both houses of the Legislature.</p> <p>Amends Public Divest from Iran Act prohibits the Public Employees' Retirement System and the State Teachers' Retirement System from investing public employee retirement funds in a company with business operations in Iran that is invested in or engaged in business operations with entities in certain sectors. Provides that nothing in those provisions requires either board to take action described in this section if it determines that the action would be a breach of the fiduciary responsibilities described.</p>	AND RETIREMENT.	
<u>SB 911</u> De Leon (D)	Local Agency Bonds: Reports		<p>Requires the Chief Fiscal Officer of a local agency issuing bonds to file a report on any project funded with its governing body within 60 days after the close of the agency's fiscal year. Provides that failure to do so on time shall result in a suspension of bond proceeds until the report is submitted.</p> <p>Requires a issuing local agency, upon a request about any expenditure of bond proceeds exceeding a specified amount, to make specified information available with respect to any expenditure or expenditures.</p>	05/23/2011 - To ASSEMBLY Committee on LOCAL GOVERNMENT	
<u>SB 931</u> Vargas (D)	Public Employee Organizations		<p>Prohibits public agencies from using public funds to pay outside consultants or legal advisors for the purpose of counseling the public employer about way to minimize or deter the exercise of representation rights.</p>	06/23/2011 - In ASSEMBLY. Read second time. To third reading.	Opposition Coalition: ACWA, CSDA, CSAC, League, CAJPA, ACHD, CHA, RCRC, CASA
<u>SCA 7</u> Yee (D)	Public Bodies: Meetings		<p>Proposes an amendment to the Constitution to include in the Constitution the requirement that each public body provide public notice of its meetings and disclose any action taken.</p>	07/06/2011 - to Committee on APPR	

08
July 25, 2011 JM RKM P&L
Prepared by: R. Mori/P. Uematsu
Submitted by: K. Burton *(initials)*
Approved by: Paul Cook *(signature)*

ACTION CALENDAR

WELLS 21 AND 22 DESALTER CONTRACT CHANGE ORDER NO. 4

SUMMARY:

The Wells 21 and 22 Desalter design/build is currently being constructed by Pascal & Ludwig Constructors. Due to the modified ultimate plant capacity, a Revised Site Layout was developed to incorporate future expandability into the current project, while also providing additional frontage property for future development. Contract Change Order (CCO) No. 4 addresses this Revised Site Layout and additional Project Enhancements. Staff recommends that the Board:

- Approve an Expenditure Authorization in the amount of \$1,298,900; and
- Approve Contract Change Order (CCO) No. 4, in the amount of \$1,236,037, to Pascal & Ludwig Constructors (P&L) for the Wells 21 and 22 Desalter, Project 10286 (1081).

BACKGROUND:

The Wells 21 and 22 Project, located in the City of Tustin, is being constructed under three separate construction contracts: the treatment plant, the offsite pipelines, and the wellhead facilities. The project is receiving 25% matching funds, up to a maximum of \$11,700,000, in Title XVI funding through the United States Bureau of Reclamation (USBR) from the American Recovery and Reinvestment Act of 2009 (ARRA). The design/build (D/B) of the Wells 21 and 22 Desalter Plant was awarded to P&L in June 2010 in the amount of \$14,152,587. Tetra Tech is serving as the engineering subcontractor to P&L.

The initial plant capacity was established at 4,900 gallons per minute (gpm) based upon the flow rates observed during the well rehabilitation of Wells 21 and 22 that were completed in 2009. The ultimate plant capacity was established at 8,900 gallons per minute, which accounted for the acceptance of flow from two future wells, each assumed to have a production capacity of 2,000 gpm. Since the source of supply and water quality characteristics of those two future wells were unknown, staff's approach to site layout and facilities development was based upon configuring the plant to accommodate the initial capacity only. The ultimate capacity would then be accommodated through the reservation of site space for potential future 4,000 gpm facilities. This approach would essentially result in having two separate treatment plants sharing a common site. Additionally, in the Basis of Design documents that were used to solicit bids for the D/B delivery of the treatment plant, the plant and reserved space to accommodate the future expansion were configured such that they occupied the northern portion of the site. The goal of this configuration was to maximize the amount of unused land on the southern portion of the site to provide the opportunity for a potential future retail/commercial development similar to the approach taken at the Irvine Desalter Project Potable Treatment Plant site.

In fall 2010, after the design/build project was awarded to P&L, staff determined that the anticipated future expansion capacity of 4,000 gpm was not realistic due to revised future water demands and projected locations of future well sites and new or expanded treatment plants. The future expansion design capacity of the facility was reduced from 4,000 gpm to 2,500 gpm. With this reduction staff revised its approach to accommodating the future expansion from simply reserving space for future facilities to incorporating expandability into the current project. Additionally, the reduction in ultimate capacity provided an opportunity to minimize the footprint needed for the plant even further, and thus allowing for additional frontage property.

The design/build team of P&L and Tetra Tech has worked closely with staff to redefine the project criteria and to reconfigure the plant site. The modification has led to an improved site layout that has built-in plant expansion (no new buildings or piping), and which provides maximum space on the front of the plant site for possible future development, similar to the IDP plant site. The revised site layout has also resulted in increased design and construction costs and a time extension. Additional project enhancements from Operations and Facilities Departments also have been identified and incorporated into the project.

Contract Change Order No. 4:

CCO No. 4, in the amount of \$1,236,037, covers the following items:

- Design and construction changes as a result of the revised site layout in the amount of \$972,776; and
- Project enhancements in the amount of \$263,261.

Staff has reviewed P&L's cost proposal, negotiated changes, and mutually agreed with P&L on the costs. CCO No. 4 is attached as Exhibit "A". The construction contract summary is attached as Exhibit "B".

Schedule:

P&L has requested a time extension of 135 calendar days, which staff has independently evaluated and found to be acceptable. The time extension of 135 calendar days includes the additional time for design, submittals, and equipment ordering time extensions to incorporate the equipment, piping, and electrical changes, and revised construction duration. During the development of the revised site layout, P&L has continued construction activities, to minimize schedule impacts. Staff anticipates the building slab and tilt-up concrete work to begin during the next month.

Based on this request for time extension, the current completion date of October 20, 2011 will be extended to March 3, 2012. Although these modifications have impacted the completion of the project, the project is proceeding in accordance with the revised USBR funding schedule that requires reimbursable project costs to be incurred prior to June 30, 2012. Additionally, the project is tracking well with the schedules for the separate wellhead equipping and offsite pipelines contracts such that all the contracts are anticipated to be completed in advance of the June 30 deadline.

Benefits of the Revised Site Layout

The revised site layout will provide:

1. Existing building, electrical feed, and yard piping will accommodate 2,500 gpm future treatment (i.e. 50% capacity increase). No future building or yard piping will be required. No extensive site impacts when the proposed 2,500 gpm expansion is constructed.
2. No dual treatment buildings at ultimate capacity, which would increase future operations and maintenance budgets. Will only have one reverse osmosis (RO) plant and adjoining control room to operate.
3. No future changes will be required for the decarbonators and blowers, no building modifications to the RO building, product water pump station and electrical room, and no modifications to the chemical storage tanks and chemical pumps.
4. These future facilities are being built with depressed 2011 construction prices.
5. Rearrangement of the building and treatment units for common-wall construction, similar to the Irvine Desalter Plant, has resulted in less concrete tilt-up work.
6. This cost increase is within the ARRA 25% funding match. The current construction contracts are approximately \$24.6 million, which are well within our grant limit of \$11.7 million maximum.
7. Additional frontage property for future commercial development by the District.

As shown in Exhibit “C”, the revised site layout compared to the original design is an improved and cost-effective site layout that maximizes future plant expandability and frontage development property.

FISCAL IMPACTS:

Project 10286 (1081) is included in the FY 2011-12 Capital Budget. An Expenditure Authorization is requested for CCO No. 4 as shown in the table below and in Exhibit “D”.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
10286 (1081)	\$39,921,300	\$-0-	\$39,921,300	\$34,029,900	\$1,298,900	\$35,328,800

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA). In conformance with the California Code of Regulations Title 14, Chapter 3, Section 15004, a Mitigated Negative Declaration was adopted February 8, 2010. To fulfill requirements of the American Recovery and Reinvestment Act of 2009, the project is also subject to compliance with the National Environmental Policy Act (NEPA). An Environmental Assessment was prepared to achieve NEPA compliance for the project and the U.S. Bureau of Reclamation adopted the Categorical Exemption for the project on March 17, 2010.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on July 19, 2011.

RECOMMENDATION:

THAT THE BOARD APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$1,298,900 FOR PROJECT 10286, AND APPROVE CONTRACT CHANGE ORDER NO. 4, IN THE AMOUNT OF \$1,236,037, TO PASCAL & LUDWIG CONSTRUCTORS FOR THE WELLS 21 AND 22 DESALTER, PROJECT 10286 (1081).

LIST OF EXHIBITS:

- Exhibit "A" – Pascal and Ludwig Constructors Contract Change Order No. 4
- Exhibit "B" – Construction Contract Summary
- Exhibit "C" – Original Design versus Revised Site Layout
- Exhibit "D" – Expenditure Authorization

EXHIBIT "A"

Change Order No. 4 Summary

Wells 21/22 Desalter Plant Design/Build by Pascal & Ludwig Constructors

(CCO No. 4) for \$1,236,037 is being submitted for approval. This Change Order consists of the following work items:

REVISED SITE LAYOUT - \$972,776

1. Additional Engineering - \$309,633
 - a. Alternative building and site analyses, revised Fire Master Plan, and 30% Redesign.
2. Building, Tilt up, and Clear Well - <\$115,668>
 - a. Tilt up wall reduction and added tilt up steel plates. <\$194,695.>
 - b. Product water clear well reduction. <\$37,402.>
 - c. Cartridge filter pad and coating reductions. <\$14,207.>
 - d. Extended building, electrical system, doors, and ventilation for future 2,500 gpm capacity. \$130,636.
3. Biwater Reverse Osmosis Equipment - \$154,344
30% Redesign skid changes, PID mods, 316SS piping, and ARRA compliance.
4. Chemical Storage Area - \$82,282
 - a. Canopy reduction. <\$35,728.>
 - b. Chemical containment arrangement changes, truck pad mods, added FRP stairs. \$118,028.
5. NRW Facilities - <\$120,708>
Deleted pumps, smaller tank, less rebar mats, and electrical/instrument changes.
6. Decarbonator Pad & Air Gap - \$48,454
Additional separate pad in new location (prior layout was on top of the clearwell) and concrete beam on air gap for larger pipe.
7. Equipment - \$127,777
Added RO feed pump can, product water pump changes, larger decarbonator, and larger valves and in-line static mixers.
8. Piping Size and Material - \$408,896
Larger pipe sizes (for future 2,500 gpm), second storm drain pipe, changes in linear footage due to layout changes, pipe material changes, additional eyewashes/showers, and added pipe supports.
9. Instrumentation - \$49,665
Changes in the pressure transmitters/switches/indicators, flowmeters, and level transmitter.
10. Switchboard and MCC - <\$33,895>
Credit for switchboard relocation, Soft start PWP, and 65 KAIC Rating change.
11. Modified SCE Service Feed - <\$5,664>
Relocation of the SCE point of connection.

12. Direct Project Site Costs during 30% Redesign - \$67,660

Project trailer, site expenses and supervisory costs (superintendent at 54% time), with no overhead included.

ADDITIONAL ENHANCEMENTS - \$263,261

13. Building Enhancements - \$149,909

Building modifications as requested by staff: partial steel plates for RO trenches, floor trough drains for flatter RO working area, roof upgrade, additional casework, enlarged control room window, and skylights.

14. Additional Facilities Design Services - \$108,117

Second storm drain connection per City of Tustin, Tustin interconnection and meter, cathodic protection of buried 316SS pipe, NRW sampling station per OCSD permit, revisions to the chemical area, landscaping and irrigation, and additional geotechnical field visits.

15. Electrical Conduit and Wire Changes - \$5,235

From the Switchboard to MCC-1, the conduits increased from 6 – 4” conduits to 8 – 3” conduits.

TIME EXTENSION – 135 CALENDAR DAYS

P&L has requested a time extension of 135 calendar days, which staff has independently evaluated and found it to be acceptable. The time extension of 135 calendar days is reflective of the additional design time, submittal and ordering time extensions to incorporate the equipment, piping, and electrical changes, and revised construction duration.

The current completion date of October 20, 2011 will be extended to March 3, 2012. Although these modifications have impacted the completion of the project, the project is proceeding in accordance with the revised USBR funding schedule that requires reimbursable project costs to be incurred prior to June 30, 2012. Additionally, the project is tracking well with the schedules for the separate wellhead equipping and offsite pipelines contracts such that all the contracts are anticipated to be completed in advance of the June 30 deadline.

CONTRACT CHANGE ORDER

IRVINE RANCH WATER DISTRICT
 15600 Sand Canyon Avenue
 Irvine, California 92619
 (949) 453-5300



C.O. No. 4
 Final
 Project No. 10286 (1081)

Wells 21 and 22 Desalter
 Project Title

Date: July 14, 2011

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
Revised Site Layout	\$972,776		0
Project Enhancements	\$263,261		0
Time Extension			135
See July 2011 E&O and Board Write-ups and PR 10286 Backup			
TOTAL	\$ 1,236,037	0	135

DAYS ±

1. NET AMOUNT THIS CHANGE ORDER	=	\$ 1,236,037	135
2. ORIGINAL CONTRACT AMOUNT	=	\$14,152,587	450
3. TOTAL PREVIOUS CHANGE ORDER(S)	=	\$414,952	0
4. TOTAL BEFORE THIS CHANGE ORDER (2+3)	=	\$14,567,539	450
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$15,803,576	585

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

One million, two hundred thirty-six thousand, thirty-seven ----- Dollars

 Date Contractor **Pascal & Ludwig Constructors** By *Alan Ludwig*

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
<i>J. M.</i>	7/14/11	Department Director Approval Required <input type="checkbox"/>
IRWD Engineer or Consulting Engineer	Date	General Manager Approval Required <input type="checkbox"/>
<i>Patricia Ueber</i>	7/14/11	Committee Approval Required <input type="checkbox"/>
Principal Engineer	Date	Board Approval Required <input checked="" type="checkbox"/>
<i>Roni L. B...</i>	7/14/11	
Director of Engineering and Construction	Date	
General Manager	Date	By _____ Date _____
		126738 (Oracle PO 500997)
		Purchase Order No.

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

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

CSG-02

Exhibit "B"

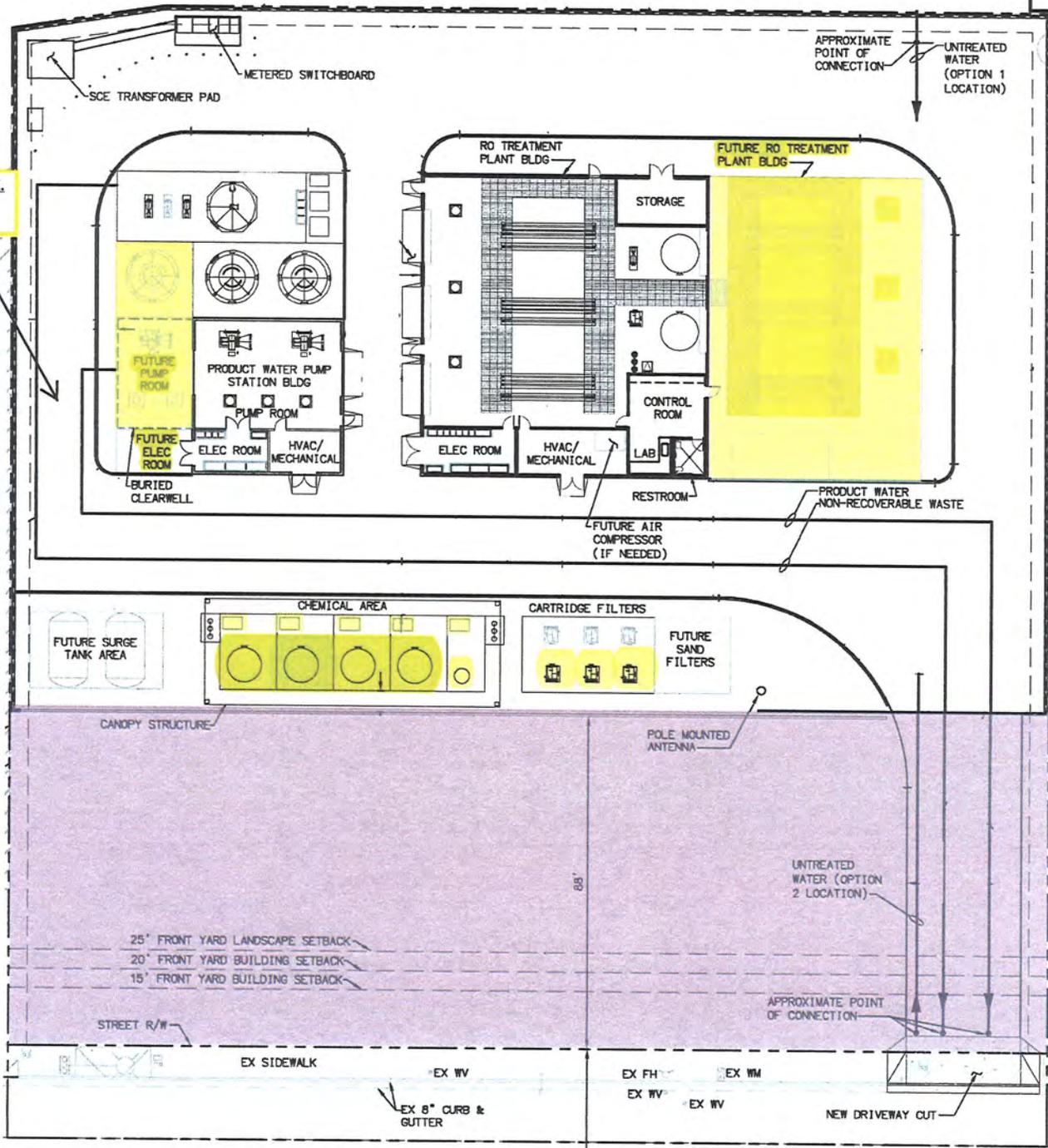
**Wells 21 and 22 Desalter Project
PR 10286 (Oracle 1081)
Construction Summary**

Design/Build Contractor: Pascal & Ludwig Constructors (Tetra Tech)
Design Engineer: RBF/Carollo

Change Order	Description	Contract Amount						Contract Days			Original Completion Date:
		Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	
1	Approved by Director of Engineering and Construction Approved on October 6, 2010 1.1 Add Municipal Water District of Orange County to additional insureds in Contract Documents, Special Provisions Section 00300 – Contractor's Insurance. 1.2 Add indemnification clause for Metropolitan Water District of Southern California and Municipal Water District of Orange County to Contract Documents, Special Provisions Section 00900 – Modifications to the General Provisions.	\$0.00	\$0.00	\$0.00	\$0.00	0.0%	\$14,152,587.00	0	0	450	10/20/2011
2	Approved by GM Approved on December 8, 2010 2.1 Zone 1 analysis for wells 21 and 22 product water discharges 2.2 Raw water and product water surge analysis 2.3 Water Quality Management Plan 2.4 Bond (1%)	\$17,745.00 \$23,625.00 \$5,880.00 \$472.00	\$47,722.00	\$0.00	\$47,722.00	0.3%	\$14,200,309.00	0	0	450	10/20/2011
3	Approved by Board of Directors Approved on June 27, 2011 3.1 Emergency Generator 3.2 Surge Tank 3.3 Forklift (Straddle Stack)	\$233,983.00 \$115,611.00 \$17,636.00	\$367,230.00	\$47,722.00	\$414,952.00	2.9%	\$14,567,539.00	0	0	450	10/20/2011
4	Pending Approval by Board of Directors Pending Approval on July 25, 2011 4.1 Revised Site Layout 4.2 Project Enhancements 4.3 Time Extension	\$972,776.00 \$263,261.00	\$1,236,037.00	\$414,952.00	\$1,650,989.00	11.7%	\$15,803,576.00	135	0	585	3/3/2012
TOTAL CHANGE ORDERS							\$1,650,989.00				
REVISED CONTRACT AMOUNT							\$15,803,576.00				

ORIGINAL DESIGN

FUTURE PIPING TO EDINGER AVE.
 - Raw Water
 - Product Water



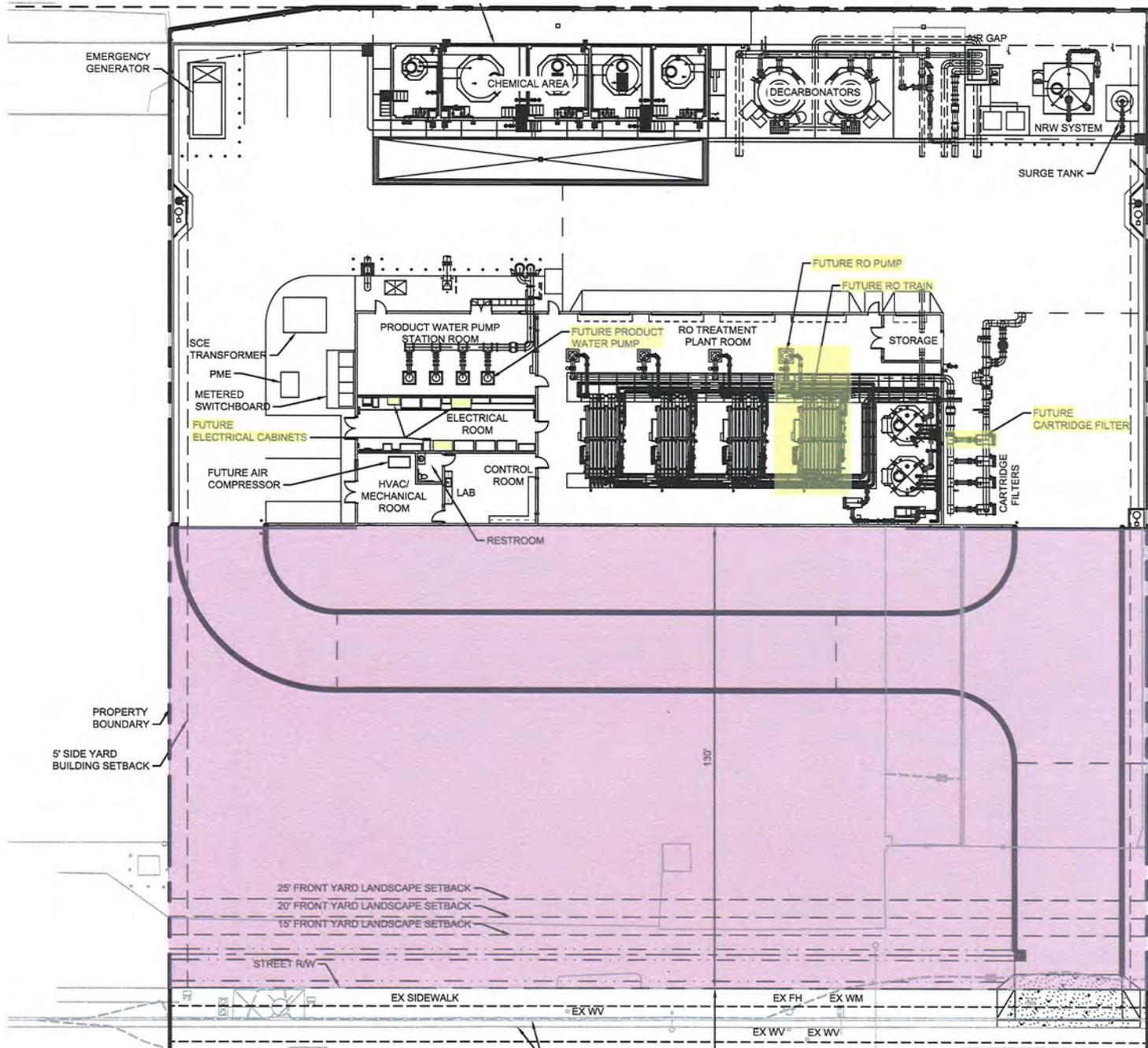
- FUTURE FACILITIES (4000) GPM**
- RO Building
 - 3 RO Feed Pumps
 - 3 RO Skids
 - Product Water Pump and Electrical Rooms
 - 1 Decarbonator and Blower
 - 3 Cartridge Filters
 - Chemical Tanks and Pumps
 - Yard Piping (Separate Raw and Product Water)
 - Electrical Ducts
 - Standby Generator

C-1

Exhibit "C"

REVISED SITE LAYOUT

C-2



- FUTURE FACILITIES (2500 GPM)**
- 1 RO Feed Pump
 - 1 RO Train
 - Product Water Pump
 - Cartridge Filter
 - Electrical Panel

IRVINE RANCH WATER DISTRICT

EXHIBIT "D"

Expenditure Authorization

Project Name: WELLS 21 & 22 WELLHEAD PIPELINE & TREATMENT PLANT

Project No: 10286 EA No: 12

ID Split: Regional Potable Water Splits (11/08)

Project Manager: UEMATSU, PATRICIA

Project Engineer: MORI, RICHARD

Request Date: July 14, 2011

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:	\$34,029,900
This Request:	\$1,298,900
Total EA Requests:	\$35,328,800
Previously Approved Budget:	\$39,921,300
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$39,921,300
Budget Remaining After This EA	\$4,592,500

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING OUTSIDE	0	0	0	0	0	0	2/10	4/12
ENGINEERING DESIGN - IRWD	0	250,000	250,000	0	250,000	250,000	11/09	6/11
ENGINEERING DESIGN - OUTSIDE	0	2,919,900	2,919,900	0	3,200,000	3,200,000	11/09	6/11
DESIGN STAFF FIELD SUPPORT	0	50,000	50,000	0	50,000	50,000	11/09	6/11
ENGINEERING - CA&I IRWD	0	250,000	250,000	0	250,000	250,000	5/10	6/13
ENGINEERING - CA&I OUTSIDE	0	1,425,000	1,425,000	0	1,425,000	1,425,000	5/10	6/13
CONSTRUCTION FIELD SUPPORT	0	10,000	10,000	0	10,000	10,000	5/10	6/13
CONSTRUCTION	1,237,000	23,044,300	24,281,300	0	28,375,000	28,375,000	5/10	6/13
LEGAL	0	10,000	10,000	0	10,000	10,000	11/09	6/13
LAND	0	4,325,100	4,325,100	0	4,325,100	4,325,100	1/10	6/10
WATER QUALITY	0	50,000	50,000	0	50,000	50,000	11/09	4/12
ENGINEERING ENVIRONMENTAL-OUTS	0	75,000	75,000	0	75,000	75,000	6/09	6/10
Contingency - 5.00% Subtotal	\$61,900	\$1,620,600	\$1,682,500	\$0	\$1,901,200	\$1,901,200		
Subtotal (Direct Costs)	\$1,298,900	\$34,029,900	\$35,328,800	\$0	\$39,921,300	\$39,921,300		
Estimated G/A - 180.00% of direct labor*	\$0	\$1,098,000	\$1,098,000	\$0	\$1,098,000	\$1,098,000		
Total	\$1,298,900	\$35,127,900	\$36,426,800	\$0	\$41,019,300	\$41,019,300		
Direct Labor	\$0	\$610,000	\$610,000	\$0	\$610,000	\$610,000		

*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: _____

7/14

PAW REM *[Signature]*

[Signature]

** 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 \$41,840,000. 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.

July 25, 2011

Prepared by: J. Staneart / M. Cortez

Submitted by: K. Burton

Approved by: Paul Cook

ACTION CALENDAR

ORANGE PARK ACRES TRANSMISSION PIPELINE PROJECT CONTRACT CHANGE ORDER NO. 12

SUMMARY:

The Orange Park Acres Transmission Pipeline Project is currently being constructed by Leatherwood Construction, Inc. Staff recommends that the Board approve Contract Change Order (CCO) No. 12, in the amount of \$312,939, to Leatherwood Construction, Inc. for the Orange Park Acres Transmission Pipeline Project.

BACKGROUND:

Construction of the Orange Park Acres Transmission Pipeline Project was awarded to Leatherwood Construction, Inc. in October 2010 for the amount of \$6,786,397. This project will replace the existing riveted steel pipeline installed in 1929 that has experienced repeated failures, and will improve fire flow and water system pressure to the Orange Park Acres area. A Location Map of the project is attached as Exhibit "A".

Contract Change Order No. 12:

CCO No. 12, in the amount of \$312,939, includes the following Change Requests (CR):

- Additional saw-cutting, breaking and removal of significantly thicker asphalt cement pavement sections over fifteen street trench segments between Jamboree Road and Orange Park Boulevard during the construction of 20-inch steel transmission pipeline in Chapman Avenue (CR-22-1 thru 15); and
- Dewatering the utility trench and additional labor, equipment and materials for the construction of the 20-inch steel transmission pipeline along Chapman Avenue under wet conditions (CR-27-1 thru 17).

A staff report, which is attached as Exhibit "B", provides more details on CCO No. 12. A copy of CCO No. 12 is attached as Exhibit "C". A summary of the previous CCOs is attached as Exhibit "D". Staff has reviewed Leatherwood's cost proposals, negotiated changes, and believes that Leatherwood's final costs are appropriate and reasonable.

FISCAL IMPACTS:

Project 11408 (1279) is included in the FY 2011-12 Capital Budget. The existing budget and Expenditure Authorizations are sufficient to fund Contract Change Order No. 12 with Leatherwood Construction, Inc.

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on July 19, 2011.

RECOMMENDATION:

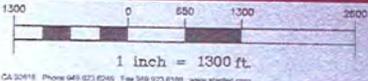
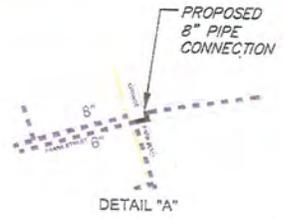
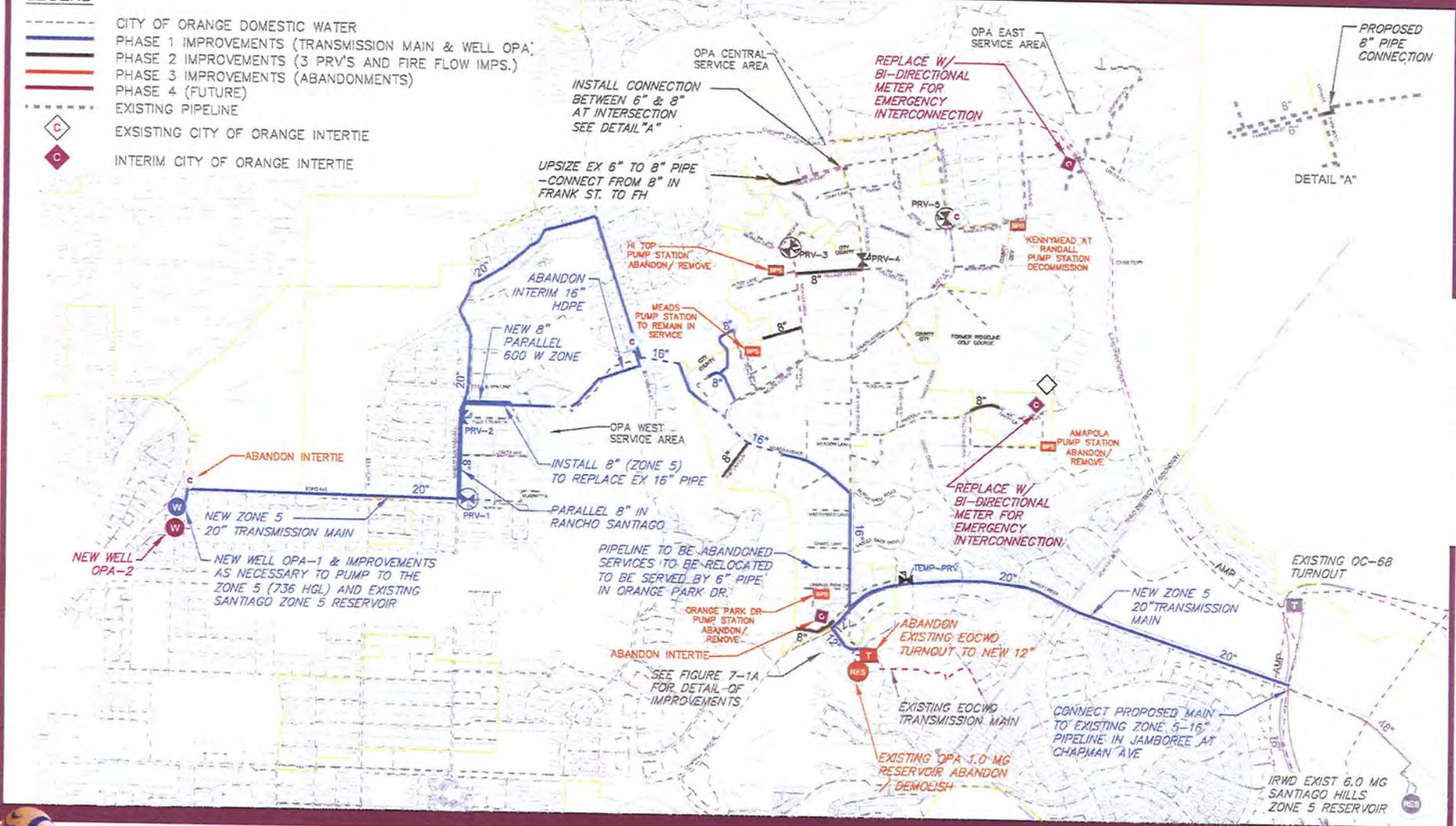
THAT THE BOARD APPROVE CONTRACT CHANGE ORDER NO. 12 WITH LEATHERWOOD CONSTRUCTION, INC. IN THE AMOUNT OF \$312,939 FOR THE ORANGE PARK ACRES TRANSMISSION PIPELINE, PROJECT 11408 (1279).

LIST OF EXHIBITS:

- Exhibit "A" – Location Map
- Exhibit "B" – Staff Report – Contract Change Order No. 12
- Exhibit "C" – Contract Change Order No. 12
- Exhibit "D" – Contract Change Order Log

LEGEND

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



OPA SAMP

PROPOSED WATER SYSTEM IMPROVEMENTS PHASING

FIGURE 7-1

08/15/2011 10:58:11 AM C:\Users\jgarcia\Documents\Projects\2011\2011_08_15_10_58_11_AM\2011_08_15_10_58_11_AM.dwg PLOT DATE: 8/15/2011 10:58:11 AM BY: jgarcia

Exhibit "B"

Staff Report
for

Orange Park Acres Transmission Pipeline Project Contract Change Order No. 12

The Orange Park Acres Transmission Pipeline Project (PR 11408) is currently being constructed by Leatherwood Construction, Inc. The purpose of this staff report is to summarize and explain the components of Contract Change Order No. 12 (CCO No. 12).

Contract Change Order No. 12

CCO No. 12 is submitted in the amount of \$312,939. The change order includes two (2) multi-part change order requests from the contractor comprised of individual work scope charges with "daily extra work tickets". Both are related to the construction of the 20-inch cement-mortar lined steel transmission pipe being constructed in Chapman Avenue from Jamboree Road to Orange Park Blvd. The changes are detailed hereafter:

Saw-cut, break and remove extremely thick asphalt concrete pavement for the 20-inch CML&C steel transmission pipeline trench in Chapman Avenue – (CR No. 22-1 thru 15):

This change was necessary because the original contract plans and specifications represented a standard 8 inch thickness street pavement section along Chapman Avenue between Jamboree Road and Orange Park Blvd. The actual street section thickness encountered in the field varied widely between a standard pavement thickness to an extremely thick section of up to 23 inches of asphalt concrete pavement over 6 to 12 inches of aggregate base rock.

Item No. 22-1 thru 22-15 in the aggregated amount of \$166,707 is for the costs of additional labor, equipment and materials required to remove and dispose of the extra thick street pavement section.

"Daily extra work tickets" were submitted and reviewed for accuracy by the District's inspection staff. Tickets reflected the incremental labor, equipment and materials to saw-cut, break and remove the extra-thick portions of the pavement section along the pipeline alignment. There were 15 days of work where the extra-thick pavement section was encountered. The thickened pavement section required the contractor to saw-cut in two or three successive passes of the saw where normal pavement sections only require a single saw pass. The larger chunks of trench paving had to be worked on with an excavator and a hoe-ram attachment to break them into small enough pieces for them to be lifted into the dump trucks for haul away to the dump. Additional trucking and dump fees were also incurred as a result of the pavement thickness.

Construction de-watering and additional work required to work in wet conditions to construct the 20-inch CML&C steel transmission pipeline in Chapman Avenue – (CR No. 27-1 thru 17):

This change request comes from encountering unexpected groundwater in the pipeline trench for the deeper sections of the 20-inch transmission pipeline trench along the Chapman Avenue reach.

Item No. 27-1 thru 27-17 in the aggregated amount of \$146,232 is for the costs to obtain, place and operate dewatering pumps, hoses, strainers, pipe and Baker tanks for desilting the pumped

groundwater and to cover the costs of extra labor, equipment and materials required to trench, shore and bed the pipeline with very wet soil conditions.

“Daily extra work tickets” were submitted and reviewed for accuracy by the District’s inspection staff. Tickets reflected the incremental labor, equipment and materials to rent and operate the dewatering system and to modify the shoring method used for trench protection. Wet soil conditions required a shift in practice from speed-shores and plywood, to the use of larger, heavier steel trench plates with trench jacks on seventeen (17) of the work days in May. Because the trench bottom was very saturated, the trench had to be deepened so that rock bedding could be placed to provide support to the pipe and to allow for the collection of the groundwater running into the trench bottom. This effort also required additional labor, equipment and materials related to the extra depth of excavation, the added trench spoil and its haul-away and dump fees. The project specifications and the geotechnical report did not reflect the presence or expectation of encountering groundwater.

Staff reviewed the contractors “time & materials” cost sheets for both change order items and negotiated a final lump sum amount for the incremental work efforts. Staff believes this is fair and reasonable for the work performed and the materials provided.

Exhibit "C"

CONTRACT CHANGE ORDER

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



C.O. No. 12 Page 1 of 1
 Final

Project No. 11408

Date: 07-11-11

Orange Park Acres Pipelines Code 5406

Project Title

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
Item No. 1: (CR No. 22-1 thru 15) Negotiated lump sum price adjustment based on review of "time & materials" daily extra work tickets for additional work to saw-cut, break and remove extremely thick asphalt cement pavement for the trench of the 20-inch steel pipeline in Chapman Avenue in fifteen (15) segments between Jamboree Rd. and Orange Park Blvd.	\$166,707.00		8
Item No. 2: (CR No. 27-1 thru 17) Negotiated lump sum price adjustment based on review of "time & materials" daily extra work tickets for additional work to dewater unforeseen groundwater and to work in wet conditions along a portion of the Chapman Avenue pipe reach over a period of 17 days.	\$146,232.00		12
NOTE: The Contract Completion Date of April 24, 2012 is changed to May 18, 2012 with this Change Order.			
TOTAL =	\$312,939.00	\$0	20

DAYS ±

1. NET AMOUNT THIS CHANGE ORDER	=	\$312,939.00	20
2. ORIGINAL CONTRACT AMOUNT	=	\$6,786,397.00	455
3. TOTAL PREVIOUS CHANGE ORDERS	=	\$705,943.00	94
4. TOTAL BEFORE THIS CHANGE ORDER (2+ 3)	=	\$7,492,340.00	549
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$7,805,279.00	569

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

----- three hundred twelve thousand nine hundred thirty nine dollars and no cents -----

7/14/11 Leatherwood Construction, Inc. Robby Hawaii
 Date Name of Contractor By

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
<u>J. STANEART</u> IRWD Project Engineer or Consulting Engineer	<u>7/11/11</u> Date	Department Director Approval Required <input type="checkbox"/>
<u>Malcolm Cortez</u> Principal Engineer / Construction Manager	<u>7/13/11</u> Date	General Manager Approval Required <input type="checkbox"/>
<u>Lari L. Burt</u> Director of Engineering & Construction	<u>7/15/11</u> Date	Committee Approval Required <input type="checkbox"/>
General Manager	Date	Board Approval Required <input checked="" type="checkbox"/>
		By _____ Date _____
		127808
		Purchase Order No.

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

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

EXHIBIT "D"

OPA Transmission Pipelines - Code 5405
PR 11408
Construction Summary

Contractor: Leatherwood Construction
Engineer: Stamec

Change Order	Description	Category	Contract Amount						Contract Days			Original Completion Dates	
			Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days		Revised Total Contract Days
1	Approved by Director of Engineering and Construction on February 7, 2011 1.1 Additional potholing on December 1, 2010 of undisclosed utility conduits along Chapman Avenue at five locations. 1.2 Additional potholing on December 3, 2010 of undisclosed utility conduits in the intersection of Jamboree and Chapman Avenue. 1.3 Additional potholing on December 6, 2010 of undisclosed utility conduits in the intersection of Jamboree and Chapman Avenue at the 54-in. and 72-in. pipelines. 1.4 Additional potholing on December 28, 2010 of undisclosed utility conduits along Chapman Avenue at four locations. 1.5 Addition of a 20-inch Cl. 250 butterfly valve at contract unit price.	B	\$ 7,060.00	\$ 24,670.00	\$ -	\$ 24,670.00	0.4%	\$ 6,811,067.00	3	0	3	455	1/25/2012
2	Approved by Director of Engineering and Construction on February 15, 2011 2.1 Up-size 4-inch diameter blow-offs to 6-inch blow-offs per IRWD standards.	C	\$ 18,393.00	\$ 18,393.00	\$ 24,670.00	\$ 43,063.00	0.6%	\$ 6,829,460.00	0	3	3	458	1/28/2012
3	Approved by Assistant General Manager on February 25, 2011 3.1 Addition of four new fire hydrants on Jons Way to replace existing FH's in poor condition. 3.2 Upsize 5 ea. 1-in. water services to 2-in. water services to match existing connection sizes. 3.3 Additional potholing on Jons Way on 12/7, 12/8 & 12/9 to locate existing utilities not shown on project plans. 3.4 Additional potholing on Jons Way to locate 11 different undisclosed utility crossings not shown on the project plans.	B	\$ 8,334.00	\$ 48,084.00	\$ 43,063.00	\$ 91,147.00	1.3%	\$ 6,877,544.00	10	3	13	468	2/7/2012
4	Approved by Director of Engineering and Construction on March 23 2011 4.1 Additional potholing on Chapman, Calle Grande & Jons Way East to pothole utilities not shown on project plans. 4.2 Additional work to remove & salvage cactus plants for habitat restoration on a "time & materials" basis.	B	\$ 12,575.00	\$ 22,850.00	\$ 91,147.00	\$ 113,977.00	1.7%	\$ 6,900,374.00	9	13	22	477	2/16/2012
5	Approved by Director of Engineering and Construction on March 18, 2011 5.1 Rock excavation & removal between stations 138 & 138 in open-space lot between Cannon & Meards on "time & materials" basis. 5.2 No cost time extension to allow for rain days through the end of February 2011.	B	\$ 22,834.00	\$ 22,834.00	\$ 113,977.00	\$ 136,811.00	2.0%	\$ 6,923,208.00	25	22	47	502	3/12/2012
6	Approved by Assistant General Manager on April 28, 2011 6.1 Additional work to remove AC pavement & excavate services at 896 & 898 Jons Way. 6.2 Additional work to excavate & construct new service laterals at 896, 898 & 932 Jons way. 6.3 Additional work to excavate for new service lateral at 930 Jons Way; excavate 4-inch ACP & prepare for 3 hot-taps. 6.4 Additional work to complete new service at 930 Jons Way and 4 each, hot-taps and construct new 2-in. services on 4-in. ACP. 6.5 Additional work to base pave all trenches on Jons Way East related to added services.	A	\$ 5,792.00	\$ 34,571.00	\$ 136,811.00	\$ 171,382.00	2.5%	\$ 6,957,779.00	5	47	52	507	3/17/2012

D-1

Contractor: Leatherwood Construction
Engineer: Stantec

Change Order	Description	Category	Contract Amount						Contract Days			Original Completion Date	
			Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total (C.O.) days		Revised Total Contract Days
7	Approved by Director of Engineering and Construction Approved on April 28, 2011 7.1 Additional traffic control along Chapman Avenue reach east of Newport Blvd. due to change in alignment of existing gas line. 7.2 Lump sum adjustment for additional daily work to set-up and tear-down traffic control along Chapman Ave. from Orange Hill to Equestrian Dr. Required due to change in gas line location.	B	\$ 21,400.00	\$ 24,500.00	\$ 171,382.00	\$ 195,882.00	2.9%	\$ 6,982,279.00	3	52	55	510	1/25/2012
8	Approved by Director of Engineering and Construction Approved on April 29, 2011 8.1 Lump sum adjustment to add 12-in. vent pipes for PRV vault no. 1. Includes AC removal, trenching, backfill, paving & traffic control.	A	\$ 24,905.00	\$ 24,905.00	\$ 195,882.00	\$ 220,787.00	3.3%	\$ 7,007,184.00	2	55	57	512	3/23/2012
9	Approved by Board Approved on May 23, 2011 9.1 Change # each, gate valves to butterfly valves at the contract unit prices. 9.2 Lump sum price change for 10 work tasks related to placing pipe and reconstructing private improvements across Randazzo property including retaining walls and concrete driveway. 9.3 Lump sum adjustment to add service connection and modify steel pipe for Women's Auxiliary project site. 9.4 Lump sum price reduction for change (Delta 5) pipe connection between Meads and open-space lot. 9.5 Additional work to perform 14 tasks to install 16-inch DIP in tight quarters along steep private drive alignment on Randazzo property. 9.6 Lump sum adjustment to delete pipe & connection for OPA reservoir on Calle Grande & change pipe at Chapman Ave. 9.7 Additional work to add FH's and service to easement serving Randazzo property in private easement up steep slope.	A	\$ (1,400.00)	\$ 264,882.00	\$ 220,787.00	\$ 485,669.00	7.2%	\$ 7,272,066.00	29	57	86	541	4/20/2012
10	Approved by Director of Engineering and Construction Approved on May 20, 2011 10.1 Add 2-inch PVC sleeve for future private gas line - Randazzo Drwy. 10.2 Add 4-inch PVC sleeve for future private sewer line - Randazzo Drwy.	D	\$ 5,457.00	\$ 15,924.00	\$ 485,669.00	\$ 501,593.00	7.4%	\$ 7,287,990.00	4	0	4	545	4/24/2012
11	Approved by Board. Approved on 06/27/11 11.1 Deepen 20-inch steel pipeline, add bends, additional utility crossings. 11.2 Lump sum adjustment for changing back-fill to crushed miscellaneous base and for additional sand-cement slurry along Chapman Ave. from Jamboree Rd. to Orange Park Blvd.	B	\$ 137,406.00	\$ 204,350.00	\$ 501,593.00	\$ 705,943.00	10.4%	\$ 7,492,340.00	4	0	4	549	4/28/2012
12	Approved by Board pending review of E&O Committee Approved on (not yet approved) 12.1 Extreme pavement thickness removal for 20-inch steel pipeline along Chapman Ave reach. 12.2 Lump sum adjustment for wet conditions and groundwater dewatering efforts along Chapman Ave. from Jamboree Rd. to Orange Park Blvd.	B	\$ 166,707.00	\$ 312,939.00	\$ 705,943.00	\$1,018,882.00	15.0%	\$ 7,805,279.00	20	0	20	569	5/18/2012

A - District Convenience/Initiation - Project Related	\$ 74,202.00
B - Differing Site Conditions	\$ 633,364.00
C - Design Oversight	\$ 278,412.00
D - District Convenience/Initiation - Non-Project Related	\$ 32,904.00
TOTAL (A+B+C+D)	\$ 1,018,882.00
	15.0%

D-2

July 25, 2011

Prepared by: R. Joshi/R. Mori

Submitted by: K. Burton

Approved by: Paul Cook 

ACTION CALENDAR

BAKER WATER TREATMENT PLANT DESIGN VARIANCE NO. 4

SUMMARY:

Staff recommends that the Board authorize the General Manager to execute Variance No. 4, in the amount of \$710,096, with RBF Consulting for the design of the Baker Water Treatment Plant (WTP) project. The variance accounts for additional design efforts that are required for completing the final design. The variance also includes an optional task for the design of a new product water pipeline to the South County Pipeline (SCP) for product water delivery to the project stakeholders.

BACKGROUND:

The Baker WTP project is currently at the 90% design completion level. Throughout the development of the project, various project decisions have resulted in the modification of the original scope of work. RBF's approach has been to proceed with the work within established budgets while making accommodations for the modifications. At the completion of the 90% design submittal, it became evident that these modifications could not be successfully completed within the original design budget. Additionally, new design tasks were identified through the progression of the design that were not originally anticipated at the onset of the project. Staff negotiated Variance No. 4 with RBF for these additional design efforts.

Variance No. 4, presented as Exhibit "A", provides a detailed summary of the required additional design efforts, the justification for the additional design efforts, and the project benefits that will be realized by their incorporation into the project. The variance accounts for out-of-scope work resulting from project decisions, new tasks not included in the original scope of work, and an optional task for the design of a new product water pipeline to the South County Pipeline, which is discussed below.

Alternative Product Water Pipeline to South County Pipeline:

Since the inception of the project, the product water from the Baker WTP has been contemplated to be delivered to certain project stakeholders through the Allen McColloch Pipeline (AMP). Over the past year, staff has been working with Metropolitan Water District (MWD) and Municipal Water District of Orange County (MWD OC) to finalize the operating Agreement for the Baker "pump-in" to the AMP. Recently, MWD introduced new conditions in the Agreement including: (1) a requirement for transferring operational and maintenance responsibility of the turnouts downstream of the Baker "pump-in" from MWD to local agency responsibility, and (2) a revision in the calculation of the AMP lease cost from paying for partial pipeline capacity to paying for full pipeline capacity. Neither of these new conditions was received favorably by the Baker Project Committee, due to the additional costs and risks imposed on the project participants. Subsequently, staff began investigating the feasibility of constructing a pipeline to deliver Baker product water to the SCP rather than to the AMP. Staff believes that feasible

alternatives have been identified and expects to select a final alignment within the next two months. Once the alignment of the proposed pipeline is finalized, a cost estimate will be developed and utilized to confirm that this alternative is preferred over the AMP pump-in alternative.

RBF Design Variance No. 4:

Staff requested RBF to include design tasks associated with the new product water delivery pipeline in the proposed variance as an optional task. Obtaining approval for proceeding with this work now will eliminate further schedule delay associated with the approval process for a future variance by each of the Baker Project Committee members should the decision be made to implement the SCP alternative.

In response, RBF has developed a scope of work and budget to incorporate the SCP alternative into the project. The proposed scope of work includes utility research, an alternative alignment analysis, geotechnical investigations, topographic surveying, potholing, hydraulic analysis, traffic control plans, and the design of approximately 3,000 linear feet 36-inch pipeline. The scope of work also includes provisions for the redesign of the product water pump station and the realignment of yard piping and electrical duct banks to accommodate the proposed pipeline.

RBF submitted Variance No. 4, in the amount of \$710,096, for additional engineering design services as described herein. The additional design effort associated with out-of scope tasks is \$451,580, while the design effort associated with the optional SCP alternative is \$258,516. Staff recommends Board approval of Variance No. 4 to RBF's agreement in the amount of \$710,096 as summarized in Exhibit "B".

The variance was approved by the Baker Project Committee on July 14, 2011. Each of the Baker Project Committee members is bringing this item to their respective Boards for approval this month.

Project Schedule:

The final design is progressing toward the 100% completion level, which is scheduled to be completed in October 2011. The project will be put out to bid shortly thereafter, and staff expects to bring a recommendation for award of the construction contract to the Board in early 2012.

FISCAL IMPACTS:

Project 11218 (1417) is included in the FY 2011-12 Capital Budget. The existing budget and Expenditure Authorization are sufficient to fund Variance No. 4.

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and an Environmental Impact Report (EIR) was prepared in conformance with California Code of Regulations Title 14, Chapter 3, Article 7. The Final EIR was certified and adopted by the Board in April 2011.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on July 19, 2011.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 4, IN THE AMOUNT OF \$710,096, WITH RBF CONSULTING FOR THE BAKER WATER TREATMENT PLANT, PROJECT 11218 (1417).

LIST OF EXHIBITS:

Exhibit "A" – RBF Consulting Variance No. 4

Exhibit "B" – Professional Services Variance

Exhibit "A"



June 24, 2011

JN 10-106232

Mr. Richard Mori
IRVINE RANCH WATER DISTRICT
 15600 Sand Canyon Avenue
 Irvine, CA 92618

Subject: Baker Water Treatment Plant – Variance No. 4

Dear Rich:

RBF appreciates the Stakeholders' consideration of this additional budget request for the Baker Water Treatment Plant (WTP) Project. As we discussed, the Project changed from what was originally envisioned in the Project Scope of Work, resulting in additional design effort. These changes benefit the Project in the following ways:

- Increases treatment capacity and product water delivery to Stakeholders;
- Minimizes flow diversions of Baker raw water to Irvine Lake;
- Increases reliability of product water deliveries through the use of IRWD's two 16-MG onsite reservoirs;
- Minimizes noise to adjacent residences by housing noise-generating equipment within buildings; and
- Provides a new treatment building to house all process equipment, with a useful service life of 50+ years.

Exhibit No. 1 shows the project site as originally envisioned and Exhibit No. 2 shows the project site as it is currently designed. Major design changes to the Project, impacts on facilities, and resulting project benefits are summarized below:

Design Change	Impacts on Facilities	Project Benefits
<ul style="list-style-type: none"> • Increased plant capacity from 40 cfs to 43.5 cfs. • Lowered Baker Pipeline HGL at the Baker plant from 715' to 690'. 	<ul style="list-style-type: none"> • Increased size of facilities and components, including: <ul style="list-style-type: none"> ○ Flow control facility ○ Strainers ○ Chemical feed systems ○ Membrane racks ○ CIP system ○ CT basin ○ Product water pump station ○ Electrical infrastructure ○ Piping infrastructure • Increased product water pump station capacity. • Added TCWD Pump Station. • Added 3,500 LF of sewer, due to insufficient capacity of onsite sewer. 	<ul style="list-style-type: none"> • Increases plant production capabilities. • Reduces unit cost of water. • Increases product water supply to Stakeholders. • Provides reliable raw water deliveries from the Baker Pipeline to the TCWD Dimension Plant by pumping. • Resolves insufficient onsite sewer capacity issue.

Design Change	Impacts on Facilities	Project Benefits
<ul style="list-style-type: none"> • Provided improvements to control raw water deliveries to the Baker plant, as follows: <ul style="list-style-type: none"> ○ Hydraulic analysis identified need for equalization storage to accommodate continual raw water flow fluctuations as part of normal MF membrane operations. ○ Based upon an evaluation of Baker Pipeline hydraulics and membrane operations, it was determined that without storage facilities, raw water deliveries from MWD via the Santiago Lateral and Baker Pipeline would regularly flow to Irvine Lake, at a cost to Stakeholders. ○ To minimize the amount of raw water to Irvine Lake and to ensure that raw water delivered to the Baker plant would have a minimum HGL of 715', an offsite regulating reservoir and constant head tank would be required. ○ Once it was decided to lower the Baker pipeline HGL to 690' to increase raw water flow to the plant, an onsite forebay was added to provide regulating storage, surge protection, and contact time for chlorine dioxide. ○ Since the forebay was sighted at the plant and sized for required chlorine dioxide contact time, the chlorine dioxide system was able to be moved from an offsite location to the plant. 	<ul style="list-style-type: none"> • Added onsite forebay and feedwater pump station. (Design budget already accounted for in Variance No. 2. No additional budget for the forebay and feedwater pump station design is requested as part of this Variance). • Added overflow pipeline to Serrano Creek, consisting of 1,200 LF of 42-inch pipe, an outlet structure, and dechlorination system. • Moved chlorine dioxide facilities from offsite to onsite location. (No change in design budget due to change in chlorine dioxide location). 	<ul style="list-style-type: none"> • Minimizes flow diversions of Baker raw water to Irvine Lake. • Minimizes cost of untreated MWD water going to Irvine Lake instead of the Plant. • Avoids constructing offsite regulating reservoir, surge system, and chlorine dioxide system. • Avoids offsite property acquisition (2 sites) for regulating reservoir, surge system, and chlorine dioxide system. • Simplifies raw water delivery operations. • Simplifies coordination of raw water deliveries with MWD. • Allows all plant chemical systems to be located onsite, specifically chlorine dioxide. • Forebay provides hydraulic separation between the raw water delivery system and membrane system, which improves operational flexibility and provides higher protection of membrane system.

Design Change	Impacts on Facilities	Project Benefits
<ul style="list-style-type: none"> Changed location where product water is stored at the Baker plant, from the existing 3.4 MG reservoir to two 16 MG reservoirs. 	<ul style="list-style-type: none"> Added additional 2,000 LF of 42-inch product water pipeline from the Baker plant to the 16 MG reservoirs. Added reservoir inlet valve vault. Added reservoir modifications including new inlets, new overflows, and modifications to existing inlet/outlet piping. Demolishes 3.4 MG reservoir. 	<ul style="list-style-type: none"> Provides increased storage capacity for Baker product water. Sustains product water deliveries for a longer period during plant outages. Provides greater treatment plant operational flexibility. Demolition of the 3.4 MG reservoir provides space for the new treatment building on the upper site.
<ul style="list-style-type: none"> Buildings added and expanded for noise mitigation to comply with City of Lake Forest noise ordinance. 	<ul style="list-style-type: none"> Added flow control facility building. Added TCWD pump station building. 	<ul style="list-style-type: none"> Mitigates equipment noise for compliance with City of Lake Forest noise ordinance. Increases useful service life of equipment.
<ul style="list-style-type: none"> Facilities were added to the Project identified by MWD as necessary for the use of OC-33 and AMP. 	<ul style="list-style-type: none"> Added MWD pump-in meter vault. Added new RTU at OC-33 	<ul style="list-style-type: none"> Facilities satisfy MWD requirements.
<ul style="list-style-type: none"> Original design was based upon retrofitting the existing filter building to house strainers and membrane racks. UV, CIP, and washwater equalization basin equipment would be housed outside. Current design is based upon providing a new treatment building to house membranes UV, CIP, and washwater equalization within a new treatment building with a central control room. 	<ul style="list-style-type: none"> Added new 26,000 SF masonry building. Demolishes 12,000 SF metal filter building and 6,000 SF maintenance building. 	<ul style="list-style-type: none"> Longer building useful service life (50+ years for masonry versus 15 years for retrofitted metal building). Mitigates equipment noise for compliance with City of Lake Forest noise ordinance. Provides one central location for all process equipment. Provides superior equipment access as compared to using existing filter building. Increases useful service life of equipment that would have been housed outdoors.

Increases to the Project design effort requested in this variance due to the above-identified changes are collected under Item No. 1 and are described as follows:

Item No. 1: Additional Design Effort

Item No.	Description	Budget
a.	Design of 3,500 LF of NRW sewer.	\$12,800
b.	Design 1,400 LF 42" storm drain with dechlorination system and discharge structure for emergency overflow to Serrano Creek. Includes regulatory permitting effort with Fish & Game and RWQCB.	\$16,600
c.	Design 2,000 LF of 42" product water pipeline, valve vault, pipe relocations, reservoir inlets, overflows, and inlet/outlet piping modifications, including phasing plan.	\$63,000
d.	TCWD pump station building, VFD's, and surge system design. Includes coordination with TCWD for system operations and control strategies.	\$54,000
e.	Flow control facility building enclosure, including structural, architectural, electrical, and mechanical.	\$28,000
f.	MWD pump-in meter vault, including structural and electrical.	\$12,800
g.	Treatment Building additional design effort for architectural, electrical, and mechanical.	\$96,750
h.	Additional design effort for demolition of 3.4 MG reservoir, filter building, and storage building.	\$7,000
TOTAL:		\$290,950

In addition to the budget items requested for the changes identified above, additional budget is also requested for new tasks and extension of services, as follows:

- Item No. 2: New design task for air valve improvements on the Baker Pipeline and Santiago Lateral.
- Item No. 3: New task for preparation of legal descriptions.
- Item No. 4: Continued coordination with membrane and UV suppliers.
- Item No. 5: Continued coordination with Metropolitan Water District (MWD).
- Item No. 6: Continued Project Management, meetings, and reprographics.
- Item No. 7: New design task for connection of Baker Product Water Pump Station to the South County Pipeline (optional task).

These items are described below:

Item No. 2: Air Valve Modifications on the Baker Pipeline and Santiago Lateral

According to the recommendations contained in the *Flow Science* report for the Raw Water Conveyance System – Pressure Surge Analysis, it will be necessary to design modifications to a total of seven air valve installations: four air valve installations on the Baker Pipeline and three air valve installations on the Santiago Lateral. These modifications are necessary in order to assure that the pipelines will not suffer potentially damaging negative pressures during transient events as well as during normal operation at low HGLs.

The redesign of the existing air valve installations will consist of the following:

- Each valve installation will be changed from the current simplex to a redundant duplex arrangement
- Valves will be resized in order to attain the proper venting capacity
- Piping from the current connection to the pipeline and the valves will be modified in order to accommodate the new redundant arrangements
- Aboveground concrete pads and valve protective enclosures will be redesigned. Vaults are not anticipated.

The engineering effort includes both field and office work, including survey, field investigation by the engineer, and preparation of plans, technical specifications, and engineer's estimate. Drawings anticipated for this task are as follows:

Sheet No.	Description
1	MWD Title Sheet, Approval Signature Block, Location Map, and Notes
2	Air Vac Location #1: Site Demo Plan, Civil and Piping Plan – Baker Pipeline
3	Air Vac Location #2: Site Demo Plan, Civil and Piping Plan – Baker Pipeline
4	Air Vac Location #3: Site Demo Plan, Civil and Piping Plan – Baker Pipeline
5	Air Vac Location #4: Site Demo Plan, Civil and Piping Plan – Baker Pipeline
6	Air Vac Location #5: Site Demo Plan, Civil and Piping Plan – Santiago Lateral
7	Air Vac Location #6: Site Demo Plan, Civil and Piping Plan – Santiago Lateral
8	Air Vac Location #7: Site Demo Plan, Civil and Piping Plan – Santiago Lateral
9	Structural and Details Sheet

Item No. 3: Legal Descriptions Preparation

In support of new easements and County encroachment permits required for the Project, legal descriptions will need to be prepared. Because preparation of legal descriptions was not included in the original scope of work, IRWD has requested RBF to provide a budget for preparation of legal descriptions anticipated to be required for the Project. From ongoing permit coordination activities, twelve legal descriptions are anticipated as follows:

Legal Descriptions for onsite Baker Water Treatment Plant Facilities:

- IRWD NRW sewer located within a portion of Orange County Assessor's Parcel No. 610-191-01; grantor OC Parks.
- IRWD plant overflow and emergency discharge to Serrano Creek located within a portion of Orange County Assessor's Parcel No. 610-231-01; grantor OC Parks.
- S.C.E. power utilities for BWTP located within a portion of Orange County Assessor's Parcel No. 610-205-06; grantor Homeowner's Association.
- S.C.E. power utilities for BWTP located within a portion of Orange County Assessor's Parcel No. 104-132-84; grantor IRWD.

- S.C.E. access within BWTP located within a portion of Orange County Assessor's Parcel No. 104-132-36, 65, 84; grantor IRWD. The location of said easement will be digitized from existing aerial topography.
- IRWD improvements to access BWTP from Wisteria located within a portion of Orange County Assessor's Parcel No. 610-205-06; grantor Homeowner's Association.

Legal Descriptions for the offsite Baker Raw Water Pump Station (RWPS):

- IRWD permanent improvements and access to the RWPS, located within a portion of Orange County Assessor's Parcel No. 105-015-15; grantor MWD.
- S.C.E. power utilities for RWPS located within a portion of Orange County Assessor's Parcel No. 105-015-15; grantor MWD.
- S.C.E. power utilities for RWPS located within a portion of Orange County Assessor's Parcel No. 105-015-14; grantor SAC.
- IRWD permanent improvements and access for RWPS located within a portion of Orange County Assessor's Parcel No. 105-015-16; grantor OC Parks.

Legal Descriptions for OC-33:

- IRWD access to OC-33 located within a portion of Orange County Assessor's Parcel No. 105-341-05; grantor Boy Scouts of America. The location of said easement will be digitized from stock aerial ortho-imagery.
- IRWD access to OC33 located within a portion of Orange County Assessor's Parcel No. 105-341-01 & 02; grantor OC. Parks. The location of said easement will be digitized from stock aerial ortho-imagery.

RBF Consulting will prepare legal descriptions identified above, as requested by IRWD. It is assumed that conveyance documents (deeds), title work, and acquisition and recording services will be the responsibility of IRWD.

Item No. 4: Membrane and UV Supplier Coordination

Carollo and RBF continue to coordinate with Pall and Wedeco to secure accurate and acceptable equipment submittals that comply with the Project equipment specifications. Having approved submittals from both Pall and Wedeco is an essential component to completing the design drawings.

Changes requested by Pall (primarily for control of feedwater pump station and strainers) constitute the majority of coordination budget requested herein. These changes (CO #1, approved November 16, 2010) have resulted in Carollo and RBF making modifications to the plans, specifically with respect to electrical equipment, instrumentation, and controls strategy. Pall's Submittal No. 1 and Submittal No. 2 have both required re-submittals, due either to inaccurate/insufficient information being provided by Pall, or due to changes requested by Pall. The latest re-submittal of Pall's Submittal No. 2 is expected end of June 2011 and additional modifications to the plans are anticipated from this latest submittal, as well as from Submittal No. 3, which is expected August 2011.

Wedeco's Submittal No. 1 was returned "Revise and Resubmit" due to inaccurate/insufficient information, and due to changes that are required to meet the District's design/safety standards. Wedeco's revised Submittal No. 1 is expected in July 2011 and additional modifications to the plans are anticipated from this revised submittal. This and related changes will delay the approval of UV Submittal No. 1, and will result in additional work to modify the plans.

The majority of effort under this task is associated with membrane design coordination and submittal review effort.

Item No. 5: Continued MWD Coordination

RBF's original Scope of Work provided a budget of \$13,648 for MWD/MWDOC coordination. At the time the Scope of Work was prepared, it was not known that OC-33 (an MWD-owned facility) would require modifications, nor was it known that a pump-in meter vault for the AMP would be required by MWD. Because of these MWD-owned and related facilities, the ongoing coordination between IRWD and MWD regarding operation of the AMP with the introduction of Baker water, surge analyses, and other MWD design coordination issues, the budget originally established for this task item has been exhausted. Six meetings were originally budgeted. The total number of meetings to date that RBF has participated in is twelve, including three field visits, two meetings at MWD, and the remaining seven meetings held with MWD at IRWD. In addition, RBF has provided support in preparation of these meetings, has participated in conference calls with MWD, and has coordinated directly with MWD for design issues. RBF anticipates that close and continual coordination with MWD will be required through the end of final design to discuss ongoing design issues including construction within MWD easements, protection of AMP pipeline during construction, design reviews, and additional meetings.

Item No. 6: Additional Project Management and Reprographics.

a. *Project Management and Meetings*

Since August 2008, the RBF/Carollo team has been attending meetings with IRWD, as required for the Project. These meetings have included workshops, field meetings, coordination meetings with outside agencies, focused meetings with IRWD staff to review specific design elements, as well as regular coordination meetings, held at times on a weekly basis. The original meeting budget included 50-two hour office meetings, 10 four-hour field meetings, and 4 six-hour workshops. Over the course of over two and a half years this meetings budget has been expended. We estimate that seventy 2-hour meetings, 7 workshops, and 10 field meetings have been conducted to date. We also anticipate that meetings with District staff will need to continue through final design. This item provides budget for these additional meetings.

b. *Reprographics*

This Item includes additional reprographics budget to account for the additional sheets that have been added to the Project.

Item No. 7: South County Pipeline Connection Design (Optional Item)

Stakeholders are considering delivering product water to Santa Margarita Water District, Moulton Niguel Water District, and Trabuco Canyon Water District via the South County Pipeline, rather than the Allen McCullough Pipeline as currently designed. To accomplish this, the Product Water Pump Station requires redesign, and a new product water pipeline will be required. RBF has been requested to provide a scope of work and fee estimate for this work. The exact alignment for the new pipeline is yet to be determined. However, three alternative alignments have been preliminarily identified, which appear the most viable. These three alternative alignments are shown on Exhibit No. 3. All three alignments are approximately 3,000 LF. The tasks included as part of this item are as follows:

- a. Utility Research: RBF will build upon the data collection efforts already completed for this Project. RBF has utility data for the onsite portion of the project. RBF will obtain existing utility information for areas surrounding the Baker WTP site for up to 3 alternative alignments, as shown in Exhibit No. 3. Utilities will be identified using record drawings and utility data from agencies, requested through Underground Service Alert.
- b. Alternative Alignment Analysis: RBF will conduct an alternative alignment analysis for three alternative alignments as shown in Exhibit No. 3. The analysis will include evaluation of utility relocation requirements, identification of easements from readily available documentation from County records, constructability, traffic impacts, impacts to residences, permitting requirements, and construction cost. A brief memo will be provided that will summarize the analysis and findings and provide a recommendation with regards to pipeline alignment.
- c. Product Water Pump Station Revised Hydraulic Analysis: Once the preferred pipeline alignment has been determined, RBF will evaluate the pump station hydraulics and evaluate impacts to the pump station design due to the change in flow and HGL. The pump station is currently designed to deliver 33 cfs at an HGL range of 630 to 807 feet. The revised design would be based upon delivering 28 cfs at an HGL of approximately 860 feet at the point of connection to the South County Pipeline. From this hydraulic analysis, RBF will calculate revised system curves and determine the recommended number of pumps and operating range of the pumps. RBF will then identify at least two pumps that meet the hydraulic conditions, size, and minimum efficiency requirements. RBF will determine whether a VFD or solid state motor controller is most appropriate based upon the revised operating conditions.
- d. Revised Surge Analysis: Flow Science will perform a new surge analysis for the revised hydraulic conditions and provide recommendations to RBF with respect to changes, if any, required to the surge protection system currently designed for the Product Water Pump Station.
- e. Geotechnical Investigation: GMU will perform a geotechnical investigation of the new product water pipeline alignment. For budgeting purposes, Alignment Option 2 shown on Exhibit No. 3 is assumed.
 - GMU will conduct a background review of available published regional and site specific geologic and geotechnical maps, reports,

and data pertinent to the proposed pipeline alignment; site reconnaissance to evaluate surface conditions and locate boring locations; field exploration coordination, including public utility clearance as required by law, set up of subcontractors and supplies, obtaining no-fee permits for County property and City right-of-way encroachment.

- GMU will perform a field exploration, including three (3) small diameter hollow stem auger borings to 15-foot depths along the proposed pipeline alignment in order to evaluate subsurface soil conditions.
 - GMU will conduct laboratory testing of samples collected to evaluate engineering soil properties pertinent to the design and construction of the pipeline, including moisture and density, compaction, consolidation, expansion index, grain size, direct shear, corrosivity and R-value.
 - GMU will perform a geotechnical analysis of the data collected, including temporary stability of excavations, and on-site soil backfill suitability, pipe bedding, shoring, dewatering, pavement, and corrosive soils.
 - GMU will prepare an initial geotechnical report summarizing findings, conclusions, and geotechnical recommendations in regards to design and construction of the planned 30-inch product water pipeline.
- f. **Potholing:** Utility research will be supplemented by potholing major utilities running parallel with and/or crossing the proposed product water pipeline. Potholing will be performed with non-disruptive air/vacuum excavation equipment to determine horizontal and vertical positions of underground utilities. Where possible, the type, size, material, and orientation of the utility will be determined. Where potholes are provided in street right-of-way, paving thickness will also be measured. The potholes will be backfilled, compacted, and patched with DOT approved "Perma-Patch" cold asphalt patch. For scope and budgeting purposes, a total of six (6) potholes have been included in this item. Following the potholing activities, RBF will survey the pothole locations.
- g. **Revised Product Water Pump Station Design:** The pump station will be modified to deliver 28 cfs at an HGL of 860. RBF will revise pump selection, mechanical piping and valving design, electrical design and HVAC design to accommodate the new conditions. For budgeting purposes, RBF has assumed that the building footprint currently designed will not change.
- h. **Revised Civil Site Drawings:** Depending upon the selected product water pipeline alignment, yard piping may need to be re-aligned to accommodate the new product water pipeline. Pipelines that may be impacted by the new product water pipeline alignment include the product water pipeline from the CT basin, the TCWD pipelines, NRW sewer, emergency overflow pipeline, discharge piping from the feedwater pump station, and fire protection water system, . In addition, portions of the access road between the main plant entrance and the product water pump station may need to be widened to accommodate a new product water pipeline. The MWD pump-in-meter vault will need to be eliminated. All civil drawings will be updated to reflect these changes in addition to showing the new product water pipeline alignment.

- i. Topographic Survey and Basemap Preparation. Topographic survey will be prepared for the alignment shown in Exhibit No. 3.

Project Control

RBF Consulting will establish horizontal and vertical control for the project site. For budget purposes, Alignment Option 2 on Exhibit No. 3 is assumed.

Unless otherwise directed by the Client, the basis of horizontal control will be North American Datum of 1983 (NAD 83), Zone 6, Epoch 2007, as published by the County of Orange. Coordinates will be expressed as grid values in terms of the U.S. survey foot.

Unless otherwise directed by the Client, the basis of vertical control will be the North American Vertical Datum of 1988 (NAVD 88), as published by the County of Orange.

Topographic Survey of Proposed Route

RBF will provide topographic mapping from field survey data collected for the subject project area. Mapping will meet the requirements in "ASPRS Accuracy Standards for Large Scale Maps", dated March 31, 1993 and will be provided in the AutoCAD 2007 format including a digital terrain model (DTM). Mapping will be compiled at a scale of 1"= 40' with 1 foot interval contours. Deliverable products will consist of ground control coordinates and topographic map files.

Street Centerline and Right of Way Note:

Unless otherwise noted, any street and roadway centerlines or right of way lines shown on this topographic map are based solely on Record Maps, Right of Way maps or other documents and have not been verified in any way during the course of this Topographic Survey.

- j. South County Pipeline Plan and Profile Drawings: RBF will design the transmission main that will deliver water from the Baker Product Water Pump Station to the South County Pipeline. Three (3) plan and profile drawings have been budgeted for, based upon Alignment Option 2 shown in Exhibit No. 3. In addition, one sheet of pipeline details will be provided. Plan pipeline drawings will be prepared at a 1" = 40' horizontal scale, and 1" = 4' vertical scale. Three submittals have been budgeted for. One 50% submittal, one 90% submittal, and final submittal. This task excludes existing offsite utility relocation design.
- k. Connection to South County Pipeline: A connection to South County Pipeline will be designed, which is assumed to include a manually actuated isolation valve within a pre-cast valve vault designed for H2O loading conditions. The vault design excludes sump pump, lighting, or other electrical design components. Cathodic protection design is excluded.
- l. South County Pipeline Traffic Control Drawings: If required, RBF will prepare Stage Construction / Traffic Handling Plans for the pipeline constructed within

Palmwood Drive. The Stage Construction / Traffic Handling Plans will utilize accepted methods of lane closure delineation, signage and barricading. Specific work areas will be protected from traffic based upon the construction phase, type of work and construction equipment required within the work area. The plans will be designed to maximize land usage for all traffic movements, maintain pedestrian and bicycle access routes, and provide a workable area. The plans will be prepared at a 1" = 40' scale. As part of this task, RBF will meet with the City of Lake Forest to discuss requirements for traffic control, construction work hours, construction work area requirements, and potential constraints that may affect the proposed traffic control approach. The Stage Construction / Traffic Handling Phasing Plans will be prepared based upon the requirements set forth in the California Manual on Uniform Traffic Control Devices, Caltrans, and the City of Lake Forest, as appropriate. For budgeting purposes, it is anticipated that 2 traffic control drawings will be prepared.

- m. Revised Engineer's Estimate: RBF will provide a revised cost estimate for the Baker Project, which will include the changes made to the Product Water Pump Station, new Product Water Pipeline, and connection to the South County Pipeline.
- n. Permitting Assistance: RBF will assist the District to obtain permits for any of the three alignments shown on Exhibit No. 3 for the new Product Water Pipeline.
- o. Reprographics: This Item includes reprographics budget to account for the additional sheets that have been added due to the additional pipeline drawings.

Budget

RBF has totaled the budget for Items 1 to 7. The resulting requested budget is \$710,096, with \$451,580 allocated to Items 1 through 6 and \$258,516 allocated to Item 7. A breakdown of the budget estimate is provided in Table 1.

We appreciate your consideration of this request for variance and look forward to the opportunity to provide ongoing service to the District and Project Stakeholders for the Baker WTP project as we move towards design completion and into construction. Should you require additional information or have any questions, please do not hesitate to contact me at 949.855.3616.

Sincerely,

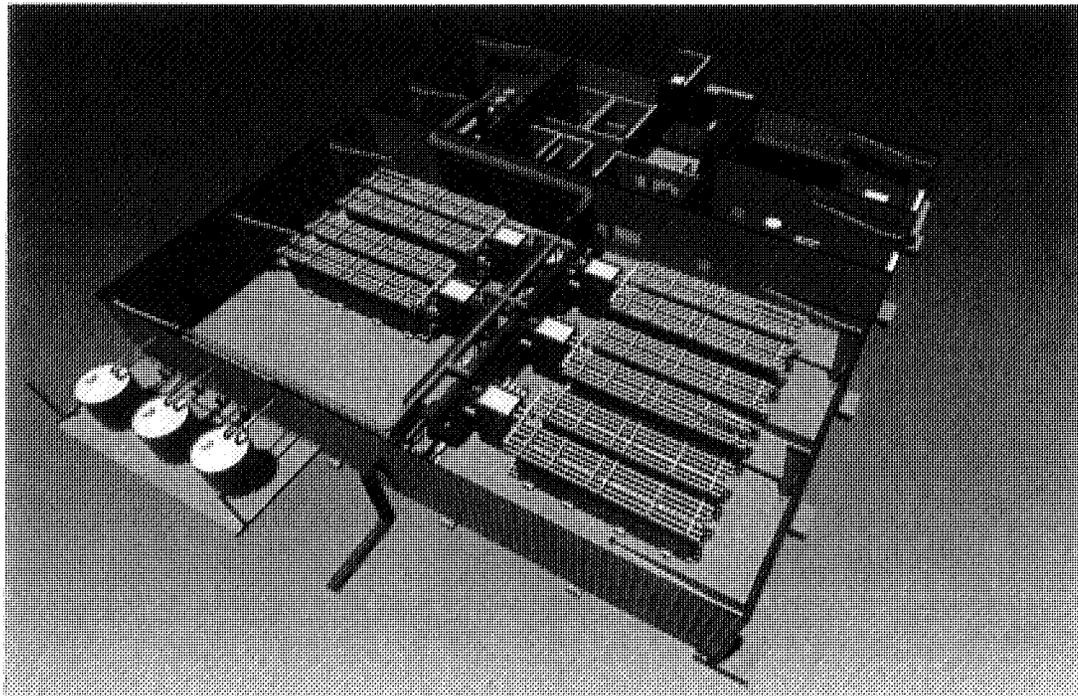
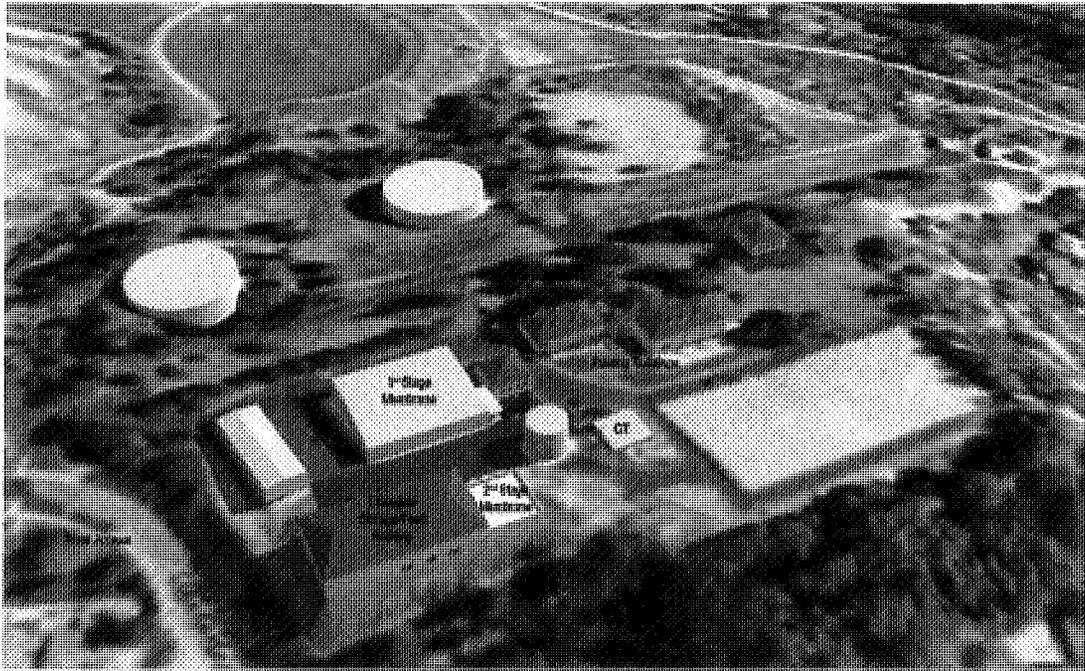


Cindy L. Miller, P. E.
Vice President
Water Resources

Pc: Raghavender Joshi, IRWD
Mike Rudinica, RBF
Jim Meyerhoffer, Carollo

TABLE 1
IRVINE RANCH WATER DISTRICT
BAKER WATER TREATMENT PLANT
VARIANCE NO. 4
24-Jun-11

Task Description	RBF / Carollo Hours										Subtotal	Subconsultant	Reprographics	Total	
	Project Manager	Senior Engineer	Engineer	Structural Engineer	Electrical / Instrumental / on Engineer	Architect	Senior Mapper	Mechanical Engineer	2-Person Survey Crew	Designer					Total Hours
Item No. 1: Additional Design Effort															
a. NRW sewer	2	4	24												\$12,800
b. Emergency discharge to Serrano Creek	2	8	60												\$16,000
c. Product water pipeline, valve vault, overflow pipeline, and reservoir modifications	24	80	80	48	40										\$63,000
d. TOWD pump station	12	16	8	40	24										\$54,000
e. Flow control facility building	8	8	16	48	24										\$28,000
f. MWD pump-in meter vault	24	8	40	24	280										\$12,800
g. New treatment building	4	4	16												\$86,750
h. Demolition	76	136	254	160	408										\$7,000
Subtotal Item No. 1:															\$290,950
Item No. 2: Air Valve Improvements on Baker Pipeline and Santiago Lateral															
a. Air Valve Improvements on Baker Pipeline	4	20	12	12											\$11,980
b. Air Valve Improvements on Santiago Lateral	6	32	24	12											\$21,770
Subtotal Item No. 2:	10	52	36	12											\$33,750
Item No. 3: Legal Assistance															
a. Meetings and City Supplier Coordination	8		20												\$23,700
Subtotal Item No. 3:	8		20												\$23,700
Item No. 4: MWIS Coordination															
a. MWIS Coordination	8	90	40		32										\$23,180
Subtotal Item No. 4:	12	90	40		32										\$18,900
Item No. 5: Additional Project Management and Reprographics															
a. Project Management and Meetings	60	60	120		60										\$53,100
b. Reprographics	60	60	120	0	60										\$8,000
Subtotal Item No. 5:	120	120	240	0	120										\$61,100
Item No. 6: Connections to South County Pipeline (Contract Task)															
a. Utility Research	24	40	80												\$4,104
b. Alternative Alignment Analysis	2	40	24												\$29,720
c. Product Water Pump Station Revised Hydraulic Analysis	2	20	8												\$10,850
d. Revised Surge Analysis	1	20	8												\$8,050
e. Geotechnical Investigation	2	12	12												\$1,425
f. Polishing	18.5	64	36	16	104										\$3,250
g. Revised Product Water Pump Station Design	4	24	80												\$11,077
h. Revised Silt Civil Drawings	4	4	20												\$33,540
i. Topographic Survey and Basemap Preparation	4	4	20												\$16,104
j. South County Pipeline Plan and Profile Drawings	4	8	40												\$19,300
k. Connection to South County Pipeline	2	32	16	20											\$17,710
l. South County Pipeline Traffic Control Drawings	2	8	8												\$9,666
m. Revised Engineer's Estimate	16	8	40												\$3,010
n. Permitting Assistance	83.5	240	404	36	104										\$9,600
o. Reprographics	257.5	638	874	208	694										\$1,500
Subtotal Item No. 6:	257.5	638	874	208	694										\$229,816
TOTALS:															
															\$873,986
															\$9,500



**As-Proposed Site Layout
and Treatment Building Concept**

EXHIBIT 1

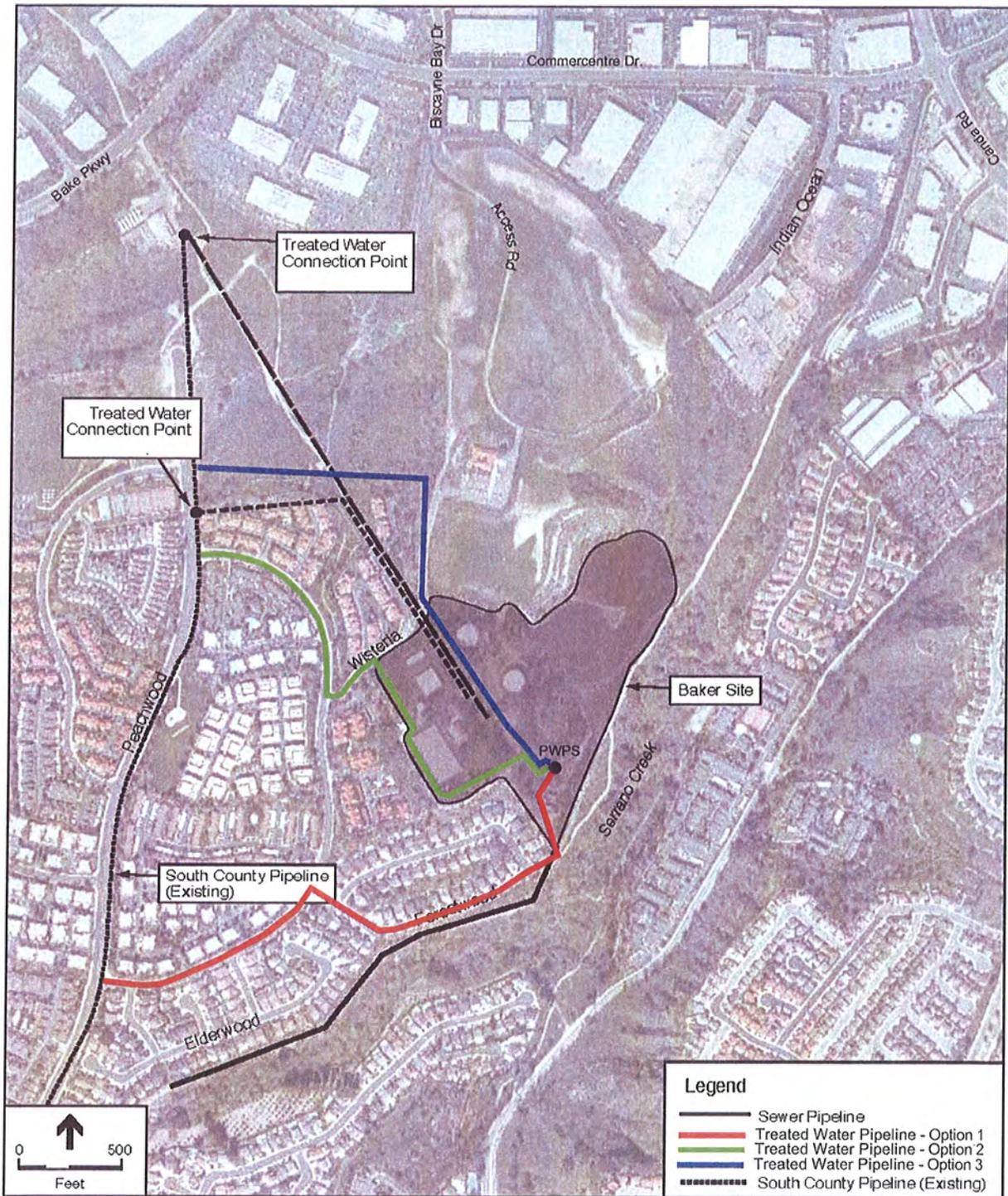


Exhibit "B"
IRVINE RANCH WATER DISTRICT
PROFESSIONAL SERVICES VARIANCE

Project Title: Baker Water Treatment Plant File No.: _____

Date: June 24, 2011

Variance No.: 4

Project Purchase Order No.: 115954 (500105) Project No.: PR 11218 (1417)

Originator: IRWD ENGINEER/CONSULTANT Other (Explain) _____

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

Variance No.4 includes design effort related to new design elements not included in original scope, greater level of detail in design drawings than originally budgeted, new air valve design on Baker Pipeline and Santiago Lateral, preparation of legal descriptions, greater level of coordination with membrane and UV suppliers by Carollo, additional effort for MWD coordination, additional project management, and optional task to design a connection to the South County Pipeline.

Engineering & Management Cost Impact:

Classification	Man Hours	Billing Rate	Labor \$	Direct Costs \$	Subcon. \$	Total \$
Task 1 – Additional Design Effort	2212	Varies	290,950			290,950
Task 2 – Air Valve Improvements	198	Varies	33,750			33,750
Task 3 – Legal Descriptions	154	Varies	23,700			23,700
Task 4 – Membrane & UV Supplier Coord.					23,180	23,180
Task 5 – MWD Coordination	112	Varies	18,900			18,900
Task 6 – Add'l Project Management	300	Varies	53,100	8,000		61,100
Task 7 – South County Pipeline (Optional)	1493.5	Varies	229,816	1,500	27,200	258,516
Total \$ =						710,096

Schedule Impact:

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
1-7	See attached Scope & Fee Table	Final Design by April 2011	+6 months (excludes South County Pipeline)	Final Design by Oct. 2011

Required Approval Determination:

Total Original Contract	<u>\$4,047,164</u>	[] General Manager: Single Variance less than or equal to \$30,000.
Previous Variances \$ <u>486,344</u>		
This Variance \$ <u>710,096</u>		[] Committee: Single Variance greater than \$30,000, and less than or equal to \$60,000.
Total Sum of Variances	<u>\$ 1,196,440</u>	[X] Board: Single Variance greater than \$60,000.
New Contract Amount	<u>\$ 5,243,604</u>	
Percentage of Total Variances to Original Contract	<u>29.6%</u>	[] Board: Cumulative total of Variances greater than \$60,000, or 30% of the original contract, whichever is higher.

ENGINEER/CONSULTANT: RBF Consulting

IRVINE RANCH WATER DISTRICT

Cindy Miller
Project Manager

Date

Department Director

Date

Engineer's/Consultant's Management

Date

General Manager/Comm./Board

Date

IRVINE RANCH WATER DISTRICT

PROFESSIONAL SERVICES VARIANCE REGISTER

Project Title: Baker Water Treatment Plant

Project No.: PR 11218 Project Manager: Richard K. Mori

Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
1	Baker Pipeline Flow Test	12/11/08	1/15/09	\$29,974
2	-Forebay - Feedwater PS - TCWD PS - Hazardous Material Inspection Testing	01/26/10	02/11/10	\$361,000
3	-MWD / TCWD Surge Analysis - SWPPP & WQMP - Potholing	01/13/11		\$95,370
4	- Add'l Design Effort - Air Valves - Legal Descriptions - Membrane & UV - MWD Coordination - Pjt Mgmt - South County Pipe (Optional)	06/24/2011		\$710,096

July 25, 2011

Prepared by: W. Stewart/S. Malloy

Submitted by: K. Burton

Approved by: Paul Cook 

ACTION CALENDAR

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

SUMMARY:

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

- Approve CCO No. 43 to construct biosolids pipelines, in the amount of \$1,132,283 Project 20214 (1599) and 30214 (1706); and
- Approve an Expenditure Authorization in the amount of \$1,384,000 for the MWRP Biosolids and Energy Recovery Facilities Project, Project 20847 (1617).

BACKGROUND:

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

Change Order No. 43:

The MWRP Biosolids and Energy Recovery Facilities Project is currently in the design phase. With CCO No. 43, several pipelines, valves, and electrical conduits for this project will be installed within the MWRP Phase 2 Expansion construction area. The sizes of the pipelines range from 8 inches to 14 inches and will allow conveyance of sludge from MWRP to the biosolids area as well as allow the return of treated centrate from the biosolids area to the MWRP primary sedimentation tanks. Ductbanks of 5-inch conduits are also to be installed. The location of these pipelines and conduits is shown in Exhibit "B".

Construction of the pipelines, valves, and conduits for the biosolids project will be more efficient and cost effective if performed during MWRP Phase 2 Expansion rather than when the biosolids and energy recovery facilities are constructed. Because of the complexity of the work involved in this change order, the final completion date of MWRP Phase 2 Expansion of August 1, 2012, will need to be extended by 120 calendar days to November 29, 2012.

The staff report, attached as Exhibit "C", provides more details on CCO No. 43. CCO No. 43 is attached as Exhibit "D". Staff reviewed Filanc's cost proposal, negotiated changes, and agreed with Filanc on the final cost. The MWRP Phase 2 Expansion Change Order summary is attached as Exhibit "E".

FISCAL IMPACTS:

The MWRP Biosolids and Energy Recovery Facilities, Project 20847 (1617) is included in the FY 2011-12 Capital Budget. An Expenditure Authorization is requested as shown in the table below and in Exhibit “F” to fund Contract Change Order No. 43.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
20847 (1617)	\$163,869,000	-\$0-	\$163,869,000	\$16,030,400	\$1,384,000	\$17,414,000

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on July 19, 2011.

RECOMMENDATION:

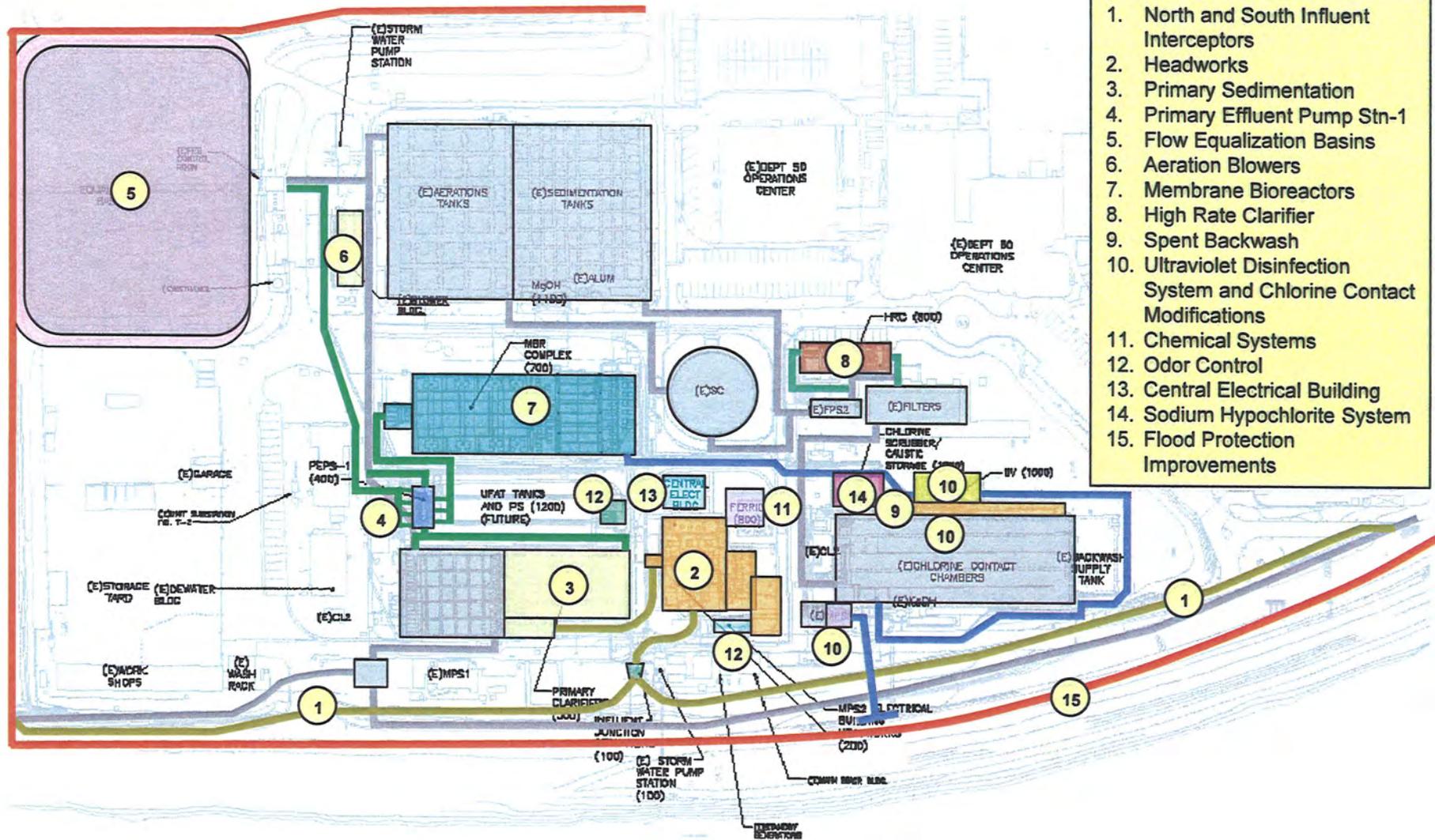
THAT THE BOARD APPROVE CONTRACT CHANGE ORDER NO. 43 TO CONSTRUCT BIOSOLIDS PIPELINES IN THE AMOUNT OF \$1,132,283, WITH J. R. FILANC CONSTRUCTION COMPANY FOR THE MWRP PHASE 2 EXPANSION PROJECT 20214 (1599) AND 30214 (1706); AND APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$1,384,000 FOR MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIES, PROJECT 20847 (1617).

LIST OF EXHIBITS:

- Exhibit “A” – Location Map
- Exhibit “B” – Location of Pipelines and Conduits Included in Change Order No. 43
- Exhibit “C” – Staff Report – CCO No. 43
- Exhibit “D” – Contract Change Order No. 43
- Exhibit “E” – Construction Change Order Summary
- Exhibit “F” – Expenditure Authorization

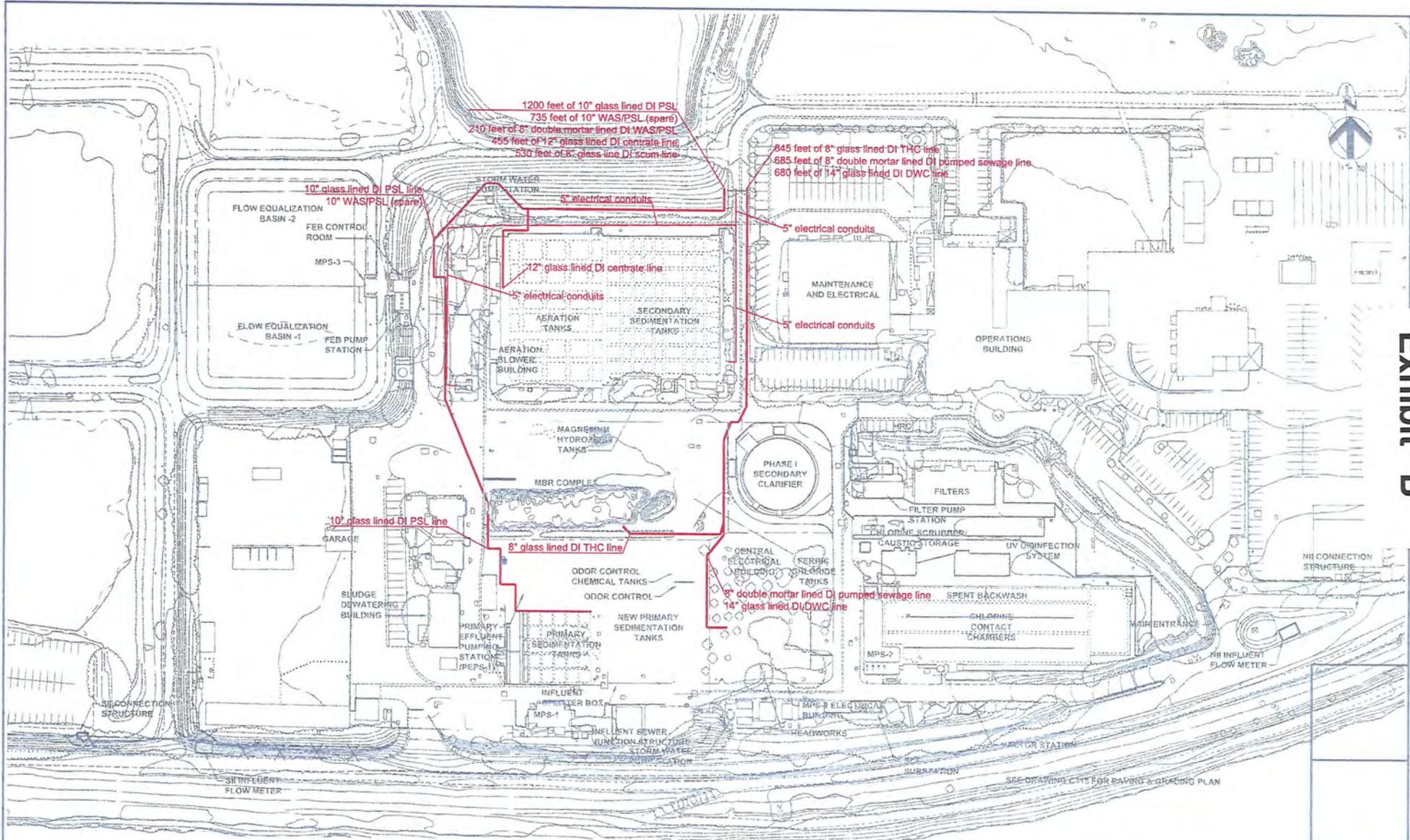


Overview of MWRP Phase 2 Expansion



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

Exhibit "A"



No.	DATE	REVISIONS	APP'D	DESIGNED: E. SCHERCH	HDR	TETRA TECH INC.	HDR PROJECT ENGINEER 12/20/09	IRVINE RANCH WATER DISTRICT	VERIFY SCALE	DRAWING	SHEET
				DRAWN: M. MOON	12/21/09	12/21/09	12/21/09	MWRP PHASE 2 EXPANSION <td>DATE: 12/21/09 <td>C102</td> <td>19</td> </td>	DATE: 12/21/09 <td>C102</td> <td>19</td>	C102	19
				CHECKED: S. TOLAND	12/21/09	12/21/09	12/21/09	PROJECT NUMBERS 20214 & 30214 <td>12/21/09</td> <td>KEY PLAN</td> <td>OF 628</td>	12/21/09	KEY PLAN	OF 628

Exhibit “C”

Staff Report for Michelson Water Recycling Plant Phase 2 Expansion and Flood Protection Improvements July 19, 2011

The Michelson Water Recycling Plant Phase 2 Expansion and Flood Protection Improvements is currently being constructed by J. R. Filanc Construction Co. The purpose of this staff report is to provide a more detailed summary of Change Order Number 43.

Contract Change Order No. 43 for Project 20847 (1617):

The MWRP Biosolids and Energy Recovery Facilities Project is currently being designed. With CCO No. 43, several pipelines, valves, and conduits for the biosolids project would be installed in the area within the MWRP Phase 2 Expansion construction. The sizes of the pipelines range from 8 inches to 14 inches. Ductbanks of 5-inch conduits are also to be installed.

CCO No. 43, in the amount of \$1,132,283.71, includes Change Requests No. 17, No. 45, and No. 137. The locations of the pipelines and conduits that are included in Change Request No. 17 and No. 45 are shown in Exhibit “B”.

There are several reasons why it would be advantageous to have Filanc install these pipelines and conduits:

- Filanc will be constructing MWRP Phase 2 Expansion items within the area that the pipelines and conduits associated with the biosolids project are to be installed. The area would be excavated and backfilled only once, instead of twice;
- Several existing pipelines and ductbanks are located within this tight area. Filanc can make adjustments to the locations of the pipelines and ductbanks should there be a conflict with either or both of the existing pipelines or the pipelines associated with the Phase 2 Expansion;
- New paving of the area, which is in Filanc’s construction contract, would not be affected; and
- Disturbance to MWRP plant operations would be minimized.

Change Request No. 17, in the amount of \$503,272.17, includes the following:

- 1,200 feet of 10” glass lined ductile iron primary sludge (PSL) line
- 735 feet of 10” waste activated sludge (WAS)/PSL (spare)
- 210 feet of 8” double mortar lined ductile iron WAS/PSL line
- 510 feet of 8” double mortar lined ductile iron WAS line
- 530 feet of 8” glass lined ductile iron scum line
- 455 feet of 12” glass lined ductile iron centrate line
- 8 gate valves of various sizes, from 4-inch through 10-inch in diameter
- Cathodic protection for the ductile iron pipes
- One 10” magnetic meter
- Electrical Conduit and wiring for magnetic meter.

Change Request No. 45, in the amount of \$626,976.14, includes the following:

- 645 feet of 8" glass lined ductile iron thickened centrate (THC) line
- 685 feet of 8" double mortar lined ductile iron pumped sewage line
- 680 feet of 14" glass lined ductile iron dewatered centrate (DWC) line
- One 8" gate valve
- One 8" plug valve
- One 14" gate valve
- Cathodic protection for the ductile iron pipes
- 820 feet of two sets of 5-inch electrical conduits
- 55 feet of three sets of 5-inch electrical conduits
- Transformer concrete pad modifications.

Change Request No. 137, in the amount of \$2,035.40, includes the following:

- Filanc provided labor and equipment to aid in the geotechnical investigation of the future biosolids site.

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



C.O. No. 43
 Final

Project No. 20214, 30214,
 20542, 30542

MWRP Phase 2 Expansion and Flood Protection Improvements

Project Title

Date: July 1, 2011

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
1. Pipelines and Utilities for Future Biosolids (CR-017) (PR 20847/Oracle 1617)	\$503,272.17	\$0	60
2. Biosolids Sewer Force Main (CR-045) (PR 20847/Oracle 1617)	\$626,976.14	\$0	60
3. Geotechnical Investigation at Staging Area 2 for Biosolids Project (CR 137) (PR20847/Oracle 1617)	\$2,035.40	\$0	0
Note 1. The project's overall completion date of August 1, 2012 is changed to November 29, 2012 with this Change Order.			
Note 2. Costs associated with the time extension are to be determined at a later time. Costs include insurance, field office engineering, and other direct field office costs based on the actual time expended beyond the Bid Completion Date.			
TOTAL	\$1,132,283.71	\$0.00	120

1. NET AMOUNT THIS CHANGE ORDER	=	\$1,132,283.71	120
2. ORIGINAL CONTRACT AMOUNT	=	\$87,479,450.00	1,094
3. TOTAL PREVIOUS CHANGE ORDER(S)	=	\$421,702.68	0
4. TOTAL BEFORE THIS CHANGE ORDER (2+3)	=	\$87,901,152.68	1,094
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$89,033,436.39	1,214

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

-----One Million One Hundred Thirty-Two Thousand Two Hundred Eighty-Three and 71/100-----Dollars

7/7/11 Date J R Filanc Construction Co. Contractor Bill Hanley, Project Manager

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
<i>[Signature]</i> IRWD Engineer or Consulting Engineer	<u>7/7/11</u> Date	Department Director Approval Required <input type="checkbox"/>
<i>[Signature]</i> Principal Engineer - MWRP Construction	<u>7-11-11</u> Date	General Manager Approval Required <input type="checkbox"/>
<i>[Signature]</i> Director of Engineering and Construction	<u>7-11-11</u> Date	Committee Approval Required <input type="checkbox"/>
General Manager	Date	Board Approval Required <input checked="" type="checkbox"/>
By _____ Date _____		Purchase Order No. _____

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

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

EXHIBIT "E"

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

Contractor: J R Filanc Construction
Design Engineer: HDR

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

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

Contractor: J R Filanc Construction
Design Engineer: HDR

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

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

Contractor: J.R. Filare Construction
 Design Engineer: HDR

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

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

Contractor: J R Filanc Construction
Design Engineer: HDR

Change Order	Description	Category	Contract Amount										Original Completion Date:
			Change Order Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	
39	Approved by Engineering & Operations Committee Approved on June 21, 2011 39.1 Additional Architectural Modifications at High Rate Clarifier (CR-082) [PR 20214, 30214]	A	\$60,515.80	\$60,515.80	\$230,816.83	\$291,332.63	0.3%	\$87,770,782.63	0	0	0	1,094	8/1/2012
40	Approved by Director of Engineering and Construction Approved on June 23, 2011 40.1 Double Containment Piping Modification for Sodium Hypochlorite System (CR-095) [PR 20214, 30214/Oracle 1599, 40.2 Change of Enclosure from NEMA 4 to NEMA 4X SS for Chopper Pumps in CR-097 (CR-133) [PR 20214, 40.3 Sodium Hypochlorite Tank Pad at PST Odor Control (CR-146) [PR 20214, 30214/Oracle 1599, 1706]	A	\$16,157.16 \$1,347.00 \$5,709.89	\$23,214.05	\$291,332.63	\$314,546.68	0.4%	\$87,793,996.68	0	0	0	1,094	8/1/2012
41	Approved Assistant GM Approved on June 24, 2011 41.1 MPS-2 replacement of existing valves (NOPE #4) (CR-126) [PR 20214, 30214/Oracle 1599, 1706] 41.2 Graybar Modifications per RFI 372 (CR-144) [PR 20214, 30214/Oracle 1599, 1706] 41.3 Steel Joists Modifications Due to Additional Load Requirements per Submittal 05221-001 (CR-153) [PR 20214, 30214/Oracle	A	\$35,068.26 \$3,429.00 \$9,508.00	\$48,005.26	\$314,546.68	\$362,551.94	0.4%	\$87,842,001.94	0	0	0	1,094	8/1/2012
42	Pending Approval from Engineering & Operations Committee Approval Pending on July 13, 2011 42.1 MBR Aeration and Permeate Piping Modifications (CR-048) [PR 20214, 30214/Oracle 1599, 1706]	B	\$59,150.74	\$59,150.74	\$362,551.94	\$421,702.68	0.5%	\$87,901,152.68	0	0	0	1,094	8/1/2012
43	Pending Approval from Board of Directors Approval Pending on July 25, 2011 43.1 Pipelines and Utilities for Future Biosolids (CR-017) (PR 20847/Oracle 1617) 43.2 Biosolids Sewer Force Main (CR-045) (PR 20847/Oracle 1617) 43.3 Geotechnical Investigation at Staging Area 2 for Biosolids Project (CR 137) (PR 20847/Oracle 1617)	D	\$503,272.17 \$626,976.14 \$2,035.40	\$1,132,283.71	\$421,702.68	\$1,553,986.39	1.8%	\$89,033,436.39	120	0	120	1,214	11/29/2012

	Change Order Item Amount	Change Order Amount	% of Original Contract Amount
A - District Convenience/Initiation - Project Related	\$ (25,979.71)	\$ (25,979.71)	0.0%
B - Differing Site Conditions	\$ 219,022.47	\$ 219,022.47	0.3%
C - Design Oversight	\$ 82,238.17	\$ 82,238.17	0.1%
D - District Convenience/Initiation - Non-Project Related	\$ 1,278,705.46	\$ 1,278,705.46	1.5%
TOTAL (A+B+C+D)	\$ 1,553,986.39	\$ 1,553,986.39	1.8%
TOTAL (A+B+C - (CCO No. 8 - SCADA))	\$ 1,411,101.68	\$ 1,411,101.68	1.6%

EXHIBIT "F"

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: MWRP BIOSOLIDS HANDLING & ENERGY RECOVERY FACILITY

Project No: 20847 EA No: 3

ID Split: Sewer Tributary to MWRP (11/08)

Improvement District (ID) Allocations

Project Manager: MALLOY, STEVEN

Project Engineer: SPANGENBERG, CARL

Request Date: June 30, 2011

ID No.	Allocation %	Source of Funds
211	10.8	CAPITAL FUND
212	4.6	BONDS YET TO BE SOLD**
213	.3	BONDS YET TO BE SOLD**
221	21.6	BONDS YET TO BE SOLD**
230	14.2	BONDS YET TO BE SOLD**
250	33.5	BONDS YET TO BE SOLD**
253	1.2	BONDS YET TO BE SOLD**
261	8.8	BONDS YET TO BE SOLD**
282	2.4	BONDS YET TO BE SOLD**
284	2.6	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$16,030,400
This Request:	<u>\$1,384,000</u>
Total EA Requests:	\$17,414,400
Previously Approved Budget:	\$163,869,000
Budget Adjustment Requested this EA:	<u>\$0</u>
Updated Budget:	\$163,869,000
Budget Remaining After This EA	\$146,454,600

Comments:

Oracle 1617

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING OUTSIDE	0	0	0	0	0	0	11/10	12/13
ENGINEERING DESIGN - IRWD	0	600,000	600,000	0	600,000	600,000	7/10	6/12
ENGINEERING DESIGN - OUTSIDE	0	8,420,000	8,420,000	0	8,420,000	8,420,000	7/10	6/12
DESIGN STAFF FIELD SUPPORT	0	87,000	87,000	0	87,000	87,000	7/10	6/12
ENGINEERING - CA&I IRWD	50,000	0	50,000	0	3,000,000	3,000,000	7/12	7/15
ENGINEERING - CA&I OUTSIDE	125,000	5,830,000	5,955,000	0	6,630,000	6,630,000	7/12	7/15
CONSTRUCTION FIELD SUPPORT	10,000	0	10,000	0	98,700	98,700	7/12	7/15
CONSTRUCTION	1,133,000	0	1,133,000	0	136,800,000	136,800,000	7/12	7/15
LEGAL	0	0	0	0	100,000	100,000	7/10	7/15
WATER QUALITY	0	30,000	30,000	0	30,000	30,000	7/10	7/15
ENGINEERING ENVIRONMENTAL-OUTS	0	300,000	300,000	0	300,000	300,000	7/10	9/11
Contingency - 5.00% Subtotal	\$66,000	\$763,400	\$829,400	\$0	\$7,803,300	\$7,803,300		
Subtotal (Direct Costs)	\$1,384,000	\$16,030,400	\$17,414,400	\$0	\$163,869,000	\$163,869,000		
Estimated G/A - 180.00% of direct labor*	\$400	\$1,398,200	\$1,398,600	\$0	\$6,868,300	\$6,868,300		
Total	\$1,384,400	\$17,428,600	\$18,813,000	\$0	\$170,737,300	\$170,737,300		
Direct Labor	\$60,000	\$717,000	\$777,000	\$0	\$3,815,700	\$3,815,700		

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

EA Originator:

Signature: S. Malloy 6-30-11

Department Director:

Signature: Kevin L. Bunt 7-11-11

Finance:

Board/General Manager:

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

