

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

**June 27, 2011**

**PLEDGE OF ALLEGIANCE**

**CALL TO ORDER**

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

**ROLL CALL**

Directors Reinhart, Matheis, Swan, Withers and President LaMar

**NOTICE**

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

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**COMMUNICATIONS TO THE BOARD**

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1. A. Written:

B. Oral: Mrs. Joan Irvine Smith relative to the Dyer Road Wellfield.

2. ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

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**PRESENTATION**

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3. IRWD RIDESHARE PROGRAM RECOGNITION

IRWD was presented the Rideshare Diamond Award from the Los Angeles Metro, Orange County Transportation Authority, and Ventura County Transportation Commission. The District was commended for its contribution to the improvement of air quality and relief of traffic congestion.

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**PUBLIC HEARING**

**Next Resolution No. 2010-25**

4. PROPOSED CHANGES TO THE SCHEDULE OF RATES AND CHARGES  
EFFECTIVE JULY 1, 2011

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

Res. No. 2011-

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**WORKSHOP**

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5. INITIAL WORKSHOP ON SETTING CONNECTION FEES AND PROPERTY TAXES FOR FY 2011-12

Recommendation: That the Board provided feedback and direction to staff for additional modeling scenarios to be presented at future committee meetings and board workshops.

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**CONSENT CALENDAR**

**Next Resolution No. 2011-25**

**Items 6-17**

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6. MINUTES OF REGULAR BOARD MEETINGS

Recommendation: That the Board approve the Minutes of the June 13, 2011 Regular Board Meeting and the June 17, 2011 Adjourned Regular Meeting be approved as presented

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

Recommendation: That the Board ratify/approve the meetings and events for Steve LaMar, Doug Reinhart, and Peer Swan as delineated above.

8. MAY 2011 FINANCIAL REPORTS

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report and the Monthly Interest Rate Swap Summary for May 2011; approve the May 2011 Summary of Wire Transfers and ACH payments in the total amount of \$3,245,306; and approve the May 2011 Warrants Nos. 319956 through 320541, workers' compensation distributions and voided checks in the total amount of \$11,359,068.82.

9. DISTRICT STRATEGIC MEASURES DASHBOARDS

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

10. APPROVAL OF IRWD'S SHARE OF SOCWA'S FISCAL YEAR 2011-12 BUDGET

Recommendation: That the Board approve IRWD's share of SOCWA's Fiscal Year 2011-12 Budget in the amount of \$288,740.

**CONSENT CALENDAR - Continued**

**Next Resolution No. 2011-25**

**Items 6-17**

11. QUITCLAIM OF REAL PROPERTY

Recommendation: That the Board adopt a resolution approving execution of the Quitclaim Deed to Business Properties Partnership No. 17.

Reso No. 2011-

12. SYPHON RESERVOIR DAM SLIDE REPAIR BUDGET ADDITION AND EXPENDITURE AUTHORIZATION

Recommendation: That the Board authorize the addition of project 30371 in the amount of \$162,300 to the Fiscal Year 2011-12 Capital Budget and approve an Expenditure Authorization in the amount of \$162,300 for the Syphon Reservoir Dam Slide Repair, project 30371.

13. WATER OPERATIONS FISCAL YEAR 2011-12 EXPENDITURE AUTHORIZATIONS

Recommendation: That the Board authorize the General Manager to approve Expenditure Authorizations for Project 1184 for \$387,300; Project 1478 for \$138,600; Project 1488 for \$650,100; Project 1207 for \$206,800; Project 1451 for \$203,500; Project 1470 for \$170,500; Project 1201 for \$170,500; Project 1440 for \$93,500 and Project 1458 for \$135,300.

14. WEATHER BASED IRRIGATION TIMER (SMARTIMER) REBATE PROGRAM AGREEMENT

Recommendation: That the Board authorize the General Manager to execute the agreement between Irvine Ranch Water District and the Municipal Water District of Orange County for participation in the Weather Based Irrigation Timer (SmarTimer) Rebate program for residential and commercial properties subject to non-substantive changes.

15. NINTH AMENDMENT TO AGREEMENT BETWEEN IRWD AND MWDOC FOR PARTICIPATION IN SPECIFIED MWDOC REBATE PROGRAMS

Recommendation: That the Board authorize the General Manager to execute the Ninth amendment to the agreement for participation and co-funding by Irvine Ranch Water District in specified Municipal Water District of Orange County Rebate programs in the amount of \$350,000 for cost-effective tactical incentive water use efficiency measures.

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**CONSENT CALENDAR - Continued**

**Next Resolution No. 2011-25**

**Items 6-17**

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16. FISCAL YEAR 2011-12 EXPENDITURE AUTHORIZATIONS

Recommendation: That the Board approve Expenditure Authorizations for Fiscal Year 2011-12 for \$143,000 for Project 10566, Engineering Planning Study Reserve; \$6,545,000 for Project 20112, OCSD CORF; \$8,013,000 for Project 20586, OCSD Equity; \$1,045,000 for Project 20808, OCSD Solids Handling; \$116,600 for Project 30360, Recycled Conversions On-Site; and \$145,800 for Project 30362, Recycled Conversions Off-Site.

17. ON-CALL CEQA/NEPA AND PERMITTING SERVICES CONSULTANT SELECTIONS

Recommendation: That the Board authorize the General Manager to execute Professional Service Agreements with ESA, Dudek and LSA to provide On-Call CEQA/NEPA Services not-to-exceed \$120,000 each, Harmsworth Associates to provide On-Call Permitting Services not-to-exceed \$100,000 and ICF International to perform On-Call Permitting Services not-to-exceed \$50,000.

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**ACTION CALENDAR**

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18. PROJECT GREENFILL COOPERATIVE AGREEMENT

Recommendation: That the Board authorize the General Manager to execute a Cooperative Agreement with the County of Orange for mutually agreed-upon locations for project Greenfill, a plan to install water bottle filling stations throughout IRWD's service area.

19. ORANGE PARK ACRES TRANSMISSION PIPELINE PROJECT CONTRACT CHANGE ORDER NO. 11

Recommendation: That the Board approve Contract Change Order No. 11 with Leatherwood Construction, Inc. in the amount of \$204,350 for the Orange Park Acres Transmission Pipeline Project, project 11408.

20. WELLS 21 AND 22 DESALTER CONTRACT CHANGE ORDER NO. 3

Recommendation: That the Board approve an Expenditure Authorization in the amount of \$385,600 for project 10286, and approve Contract Change Order No. 3, in the amount of \$367,230, to Pascal & Ludwig Constructors for the Wells 21 and 22 Desalter, project 10286.



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**ACTION CALENDAR**

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21. **SELECTION OF FIRM TO CONDUCT SEARCH FIRM FOR GENERAL MANAGER**

Recommendation: That the Board authorize a Professional Services Agreement in the amount of \$27,000 to Roberts Consulting Group for the recruitment of a general manager.

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**OTHER BUSINESS**

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

22. A. **General Manager's Report**

B. **Directors' Comments**

1)

2)

3)

4)

5)

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**OTHER BUSINESS - Continued**

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22           C.           Adjourn

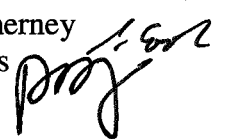
\* \* \* \* \*  
Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the Irvine Ranch Water District Board of Directors in connection with a matter subject to discussion or consideration at an open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

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

June 27, 2011

Prepared by: Christopher Smithson 

Submitted by: Debby Cherney

Approved by: Paul Jones 

## PUBLIC HEARING

### PROPOSED CHANGES TO THE SCHEDULE OF RATES AND CHARGES EFFECTIVE JULY 1, 2011

#### SUMMARY:

The Fiscal Year (FY) 2011-12 Operating Budget was adopted by this Board at the public workshop held on April 25, 2011. The proposed changes to the rates and charges were publicly noticed by mail as required under Proposition 218 and protests to the implementation of those rates and charges were tallied by an independent accounting firm. As of June 20, 2011, five protests were received by the District, which represents 0.0059% of the total customers, substantially less than the 50% which would have been required to prevent the Board from adopting the current proposed rates and charges. Protests may be received up until the commencement of the public hearing; staff will provide an updated report as part of the hearing process.

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

#### OUTLINE OF PROCEEDINGS

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

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

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

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

Legal  
Counsel: Describe the proceedings.

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

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

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

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

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, ORANGE COUNTY, CALIFORNIA RESCINDING RESOLUTION NO. 2010-\_\_\_ AND ADOPTING CHANGES TO THE SCHEDULE OF RATES AND CHARGES AS SET FORTH IN EXHIBIT “B” TO THE RULES AND REGULATIONS OF IRVINE RANCH WATER DISTRICT FOR WATER, SEWER AND RECLAIMED WATER SERVICE**

**BACKGROUND:**

**Proposed Rates and Charges for FY 2011-12:**

Staff has reviewed costs and revenues for the treated water system, the untreated water system and the sewer system (which includes reclaimed water system). As a result of this review, changes to the water and wastewater rates for the Irvine Ranch rate area (including the former Santiago rate area), Orange Park Acres (OPA) rate area and the Los Alisos rate area recommended for FY 2011-12 include:

*Irvine Ranch Rate Area*

**Treated Water System:**

- No change to the low volume rate in the Irvine Ranch rate area, keeping the current rate of \$0.91/ccf.
- An increase to the base commodity rate of \$0.01/ccf, from \$1.21 to \$1.22/ccf.
- An increase of \$0.75 to the current monthly service charge, from \$8.00 to \$8.75, which includes monthly user rate contributions of \$0.60/month for water capital infrastructure replacements and \$0.50/month for water capital infrastructure enhancements.

**Untreated Water System:**

- The non-potable agriculture irrigation rate will remain unchanged at \$479.25/acre-foot.

**Sewer & Recycled Water System:**

- An increase to the current monthly service charge of \$0.25, from \$16.65 to \$16.90, which includes monthly user rate contributions of \$4.55/month for sewer/recycled

water capital infrastructure replacements and \$0.50/month for sewer and recycled water capital infrastructure enhancements.

- An increase to the current reclaimed landscape irrigation rate of \$4.35/acre-foot, from \$470.50 to \$474.85/acre-foot. This cost increase is consistent with the District's practice of setting recycled landscape irrigation rates at 90% of the District's base treated water commodity rate and is consistent with the cost associated with producing and distributing recycled water.

*OPA Rate Area (ID 156)*

**Treated Water System:**

The OPA rate area has tiered rates that are not allocation-based conservation rate structures, but escalate based on set levels of water used per month. Changes in the rates for the OPA rate area are indexed to the changes in the Irvine rate area by agreement:

- An increase to the base commodity rate of \$0.01/ccf, from \$1.73 to \$1.74/ccf.
- An increase of \$0.75 to the current monthly service charge, from \$16.35 to \$17.10.

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

**Treated Water System:**

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

- An increase to the base commodity rate of \$0.08/ccf, from \$1.97 to \$2.05/ccf.
- An increase of \$0.20 to the current monthly service charge for meters 1" or smaller, from \$9.60 to \$9.80, which includes monthly user rate contributions of \$0.35/month for water capital infrastructure replacements and \$0.35/month for water capital infrastructure enhancements.
- An increase of 19.5% to the monthly service charge for all meters greater than 1" in diameter.

**Sewer & Recycled Water System:**

- An increase to the current monthly service charge of \$0.25, from \$16.65 to \$16.90, which includes monthly user rate contributions of \$4.55/month for sewer/recycled water capital infrastructure replacements and \$0.50/month for sewer and recycled water capital infrastructure enhancements.
- An increase to the current reclaimed landscape irrigation rate of \$4.35/acre-foot, from \$470.50 to \$474.85/acre-foot. This cost increase is consistent with the District's practice of setting reclaimed landscape irrigation rates at 90% of the District's base treated water commodity rate and is consistent with the cost associated with producing and distributing reclaimed water.

The proposed treated tiered rates for both rate areas follow:

<b>Tiers</b>	<b>Irvine Ranch</b>	<b>Los Alisos</b>
Low Volume	\$0.91	\$1.40
Base Rate	\$1.22	\$2.05
Inefficient	\$2.50	\$2.98
Excessive	\$4.32	\$4.49
Wasteful	\$9.48	\$9.84

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

User/Replacement and Enhancement Capital Component:

Replacement and enhancement rate components were increased for both water and sewer as noted above. The added components will generate an additional \$1,410 and \$1,332 for the treated water and sewer systems, respectively.

Comparison to City of Orange Rates:

On August 28, 2006 IRWD and the City of Orange executed an agreement by which IRWD would provide services to the area known as the “Santiago Hills II / East Orange Area”. One of the conditions stipulated in this agreement was that the cumulative fixed and commodity charges for water service to an IRWD customer using the median amount of water would not exceed the same charges incurred by a customer in the City of Orange using the median amount of water in the City. Based in the rates as proposed for FY 2011-12, a customer in IRWD using the median amount of water (12 ccf per month) will pay an average of \$21.84 per month for the water service fixed and commodity charges. Based on the most current water rates in the City of Orange, a customer using the median amount of water (22 ccf per month) will pay an average of \$40.40 per month for the water service fixed and commodity charges or 85% more than a comparable ratepayer in IRWD.

Proposition 218 Notice:

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

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

The District received all protests from property owners in the District at a separate post office box from the rest of the District's mail. As of June 22, 2011, five protests have been received, representing 0.0057% of the 87,927 notices sent representing 112,000 customers, .36% were retained as undeliverable. Under Proposition 218, more than 50% of the IRWD customers would have had to protest in order to prevent the Board from adopting the Proposed Rates and Charges.

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

ENVIRONMENTAL COMPLIANCE:

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

FISCAL IMPACTS:

The District's FY 2011-12 Consolidated Operating Budget totals \$107.5 million, representing a \$0.7 million or 0.61% decrease from the Fiscal Year 2010-11 Operating Budget. The proposed adjustments to the District's Schedule of Rates and Charges will generate approximately \$2.2 million of additional revenue for the treated water system and approximately \$730,000 of additional revenue in the sewer system.

Included in the additional revenue is \$466,000 for water system enhancement projects and \$410,000 for sewer system enhancement projects. Also included is additional revenue generated to provide funding for water system replacement projects in the amount of \$944,000 and sewer system replacement projects in the amount of \$922,000.

COMMITTEE STATUS:

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

- Finance and Personnel Committee on April 5, 2011.
- Board of Directors Workshop on April 11, 2011 and April 25, 2011.

LIST OF EXHIBITS:

Exhibit "A" – Resolution to Adopt Schedule of Rates and Charges

Exhibit "B" – Proposed changes to the Schedule of Rates and Charges

Exhibit "C" – Protest Letters received as of June 22, 2011





## Exhibit "A"

### RESOLUTION NO. 2011 -

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

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

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

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

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

WHEREAS, the Board of Directors of IRWD, by adoption of Resolution No. 2008-45 on July 28, 2008, 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, Article XIID of the Constitution of the State of California provides that, in imposing or increasing any property-related fee or charge (which term was held by the California Supreme Court in July, 2006, in the case *Bighorn-Desert View Water Agency v. Virjil*, to include charges for water delivery), an agency shall provide written notice by mail of the proposed fee or charge to the record owner of each identified parcel upon which the fee or charge is proposed for imposition, the amount, basis of calculating, and reason for such proposed fee or charge, and the date, time and location of a public hearing on the proposed fee or charge to be conducted not less than 45 days after the mailing of said notice, and Government Code Section 53755 provides for such notice to be given by mailing to the address where billing statements are customarily sent by the District;

WHEREAS, said mailed notice was given, setting Monday, June 27, 2011, at the hour of 5:00 p.m. of said day in the Board of Directors Room of Irvine Ranch Water District, 15600 Sand Canyon Avenue, Irvine, California, as the time and place for a public hearing on the proposed increases in property-related rates and charges and any proposed new property-related rates and charges set forth in Exhibit "A" to this resolution; and

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

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

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

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

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

Section 3. It is hereby found and determined that the rates and charges of IRWD are imposed on the basis of demand as determined by measurements including water metering and meter size, equivalent dwelling unit sewage loads or sewage volume and strength characteristics, dwelling units, acreage or other demand-generation characteristics of properties

requesting connection, and cost of service restoration, inspection and other services provided for all fees; that such rates, charges and fees are imposed upon the request for or use of services; and that the water user charges satisfy the criteria and requirements of Water Code Sections 370 *et seq.* relating to allocation-based conservation water pricing.

Section 4. It is hereby found and determined that relative to Article XIII B of the Constitution of the State of California, the user charges and fees and regulatory fees established or increased hereby do not produce revenues exceeding the costs reasonably borne in providing the regulation, product or service and/or are used for debt service or qualified capital outlay projects and accordingly do not constitute proceeds of taxes 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 5. 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 effect, 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 6. That the provisions of this Resolution shall be effective upon adoption.

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

ADOPTED, SIGNED and APPROVED this 27<sup>th</sup> day of June, 2011.

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

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

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

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



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



***EFFECTIVE  
MARCH 1, 2011***

# Table of Contents

<b>Section 1: Water System Charges</b> .....	<b>Page</b>
<b>Monthly Water Service Charge</b> .....	<b>4</b>
<b>Service Charges – Private Fire Protection Service</b> .....	<b>65</b>
1. Service-Line Charge .....	<b>65</b>
2. Fire Hydrant Charge .....	<b>65</b>
3. Fire Flow Testing.....	<b>65</b>
4. Former Santiago County Water District Rate Area.....	<b>5</b>
<b>Commodity Charges: Potable Water</b> .....	<b>Error! Bookmark not defined.6</b>
Irvine Ranch Rate Area:	
1. Commodity Charge for Residential Detached Dwelling Units.....	<b>76</b>
2. Commodity Charge for Residential Attached Dwelling Units .....	<b>76</b>
3. Commodity Charge for Apartments.....	<b>76</b>
4. Commodity Charge for Commercial, Industrial and Public Authority and Mixed Usage.....	<b>6</b>
5. Commodity Charge for Potable Landscape Irrigation (Acre Feet per Acre Basis).....	<b>Error! Bookmark not defined.7</b>
6. Charge for Non-Conforming Uses.....	<b>7</b>
Los Alisos Rate Area:	
7. Commodity Charge for Residential Detached Dwelling Units.....	<b>7</b>
8. Commodity Charge for Residential Attached Dwelling Units .....	<b>7</b>
9. Commodity Charge for Apartments.....	<b>7</b>
10. Commodity Charge for Commercial, Industrial, Public Authority and Mixed Usage .....	<b>8</b>
11. Commodity Charge for Potable Landscape Irrigation (Acre Feet per Acre Basis).....	<b>8</b>
12. Charge for Non-Conforming Uses .....	<b>8</b>
13. Commodity Charge for Orange Park Rate Area.....	<b>8</b>
<b>Commodity Charges: Potable Water System - Agricultural</b> .....	<b>9</b>
1. Commodity Charge: .....	<b>109</b>
2. Los Alisos Rate Area .....	<b>9</b>
<b>Commodity Charges: Nonpotable Water System Including Agricultural</b> .....	<b>1140</b>
1. Commodity Charge.....	<b>1140</b>
2. Santiago Aqueduct Commission (SAC) Water.....	<b>1140</b>
3. Surcharge.....	<b>1140</b>
4. Seasonal Pricing Policy .....	<b>1140</b>
<b>Commodity Charges: Nonpotable (Untreated) Water System- Non-Agricultural Landscape Irrigation</b> .....	<b>1241</b>
1. Commodity Charge.....	<b>1241</b>
<b>Commodity Charges: Recycled Water System - Non-Agricultural Landscape Irrigation</b> .....	<b>1342</b>
1. Commodity Charge.....	<b>1342</b>
2. Recycled Loan Customers .....	<b>1342</b>
<b>Commodity Charges: Recycled Water System - Commercial/Industrial</b> .....	<b>1413</b>
1. Commodity Charge for Commercial and Industrial.....	<b>1413</b>
2. Commodity Charge for Commercial and Industrial Loan Customers .....	<b>1413</b>
<b>Allocations and Variances</b> .....	<b>14</b>
1. Base Allocations for Commodity Charges .....	<b>1514</b>
2. Variances from Ascending Tiered Rate Allocations .....	<b>1514</b>
3. Grounds for Variance.....	<b>15</b>
4. Limitations .....	<b>15</b>
5. Effect of Increased Allocations .....	<b>16</b>
<b>Pumping Surcharges</b> .....	<b>1817</b>
1. Potable Water Pumping Surcharges.....	<b>1817</b>
2. Recycled Water Pumping Surcharges.....	<b>1817</b>
<b>Temporary Water Service Connection</b> .....	<b>1918</b>
1. Monthly Service Charge .....	<b>1918</b>
2. Commodity Charge.....	<b>1918</b>
3. Meter Deposit.....	<b>1918</b>
4. Materials for Repairing Damaged Construction Meters .....	<b>1918</b>
5. Replacement Cost for Residential Customers Who Destroy District Property .....	<b>19</b>
<b>New Account Fees for Water Service</b> .....	<b>2120</b>
1. Charges.....	<b>2120</b>
2. Residential Deposit .....	<b>2120</b>
3. Non-Residential Deposit .....	<b>2120</b>

<b>Section 1: Water System Charges (Continued)</b> .....	<b>Page</b>
<b>Delinquency and Service Restoration Charges</b> .....	<u>2224</u>
1. Delinquency Charges .....	<u>2224</u>
2. Restoration Charges .....	<u>2224</u>
3. Non-Sufficient Funds Checks .....	<u>2224</u>
<b>Special Contract Billing</b> .....	22
1. Residential Domestic Water Sold to Trabuco Canyon Water District .....	22

<b>Section 2: Wastewater System Charges</b> .....	<b>Page</b>
<b>Monthly Wastewater Service Charges</b> .....	23
<b>Non-Residential Class I Wastewater</b> .....	24
1. Discharge Limits .....	24
2. Appeals to the Board of Directors .....	24
3. Charges and Fees .....	24
4. Fees for Noncompliance with Permit Conditions .....	25

<b>Section 3: Developer Services</b> .....	<b>Page</b>
<b>Water Connection Fees</b> .....	26
Former Santiago County Water District Rate Area - Planning Area 155 .....	28
Service Installations by District .....	29
Plan Check and Inspection Fees .....	29
Non-Digital Submittal Surcharge .....	30
Interim Water Service Charge - New Developments .....	30
<b>Sewer Connection Fees</b> .....	31
Sewer Installation Charges .....	33
Non-Digital Submittal Surcharge .....	33
District Closed Circuit Television Inspection Charges .....	33

<b>Exhibit B: History of Revisions to Schedule of Rates and Charges</b> .....	35
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Section

1

# Water System Charges

## Monthly Water Service Charge

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

User Description						
<b>Irvine Ranch Rate Area</b>						
Residential detached, attached and apartments					See chart (a)	
Residential apartments and condominiums (master metered)					See chart (b)	
Commercial, Industrial, Public Authority and Landscape					See chart (b)	
Landscape recycled user					See chart (b)	
Temporary water service connections					See chart (c)	
<b>Former Los Alisos Rate Area</b>						
Residential and Non-Residential customers					See chart (d)	
<b>Orange Park Acres</b>						
Residential and Non-Residential customers					See chart (e)	
Meter Size	Flow in Gallons	Chart (a)	Chart (b)	Chart (c)	Chart (d)	Chart (e)
5/8" or 3/4" Disc	0-22	<del>\$8.00</del> <u>\$8.75</u>	<del>\$8.00</del> <u>\$8.75</u>	<del>\$63.35</del> <u>\$69.29</u>	\$ 9.60	<del>\$16.50</del> <u>\$17.25</u>
5/8" Disc	0-22					
3/4" Disc	0-22					
1" Disc	23-37	<del>\$8.00</del> <u>\$8.75</u>	<del>\$15.80</del> <u>\$17.28</u>	<del>\$70.85</del> <u>\$77.49</u>	18.20	<del>\$17.25</del> <u>\$16.50</u>
1 1/2" Disc	38-75	<del>\$18.85</del> <u>\$20.62</u>	<del>\$43.75</del> <u>\$47.85</u>	<del>\$99.00</del> <u>\$108.28</u>	<del>\$38.60</del> <u>\$46.13</u>	<del>\$17.25</del> <u>\$16.50</u>
2" Disc	76-120	<del>\$25.80</del> <u>\$28.22</u>	<del>\$72.00</del> <u>\$78.75</u>	<del>\$127.25</del> <u>\$139.18</u>	\$59.45	<del>\$17.25</del> <u>\$16.50</u>
3" Compound	161-280		<del>\$171.65</del> <u>\$187.74</u>	<del>\$226.95</del> <u>\$248.23</u>	<del>\$137.96</del> <u>\$115.45</u>	<del>\$17.25</del> <u>\$16.50</u>
4" Compound	361-450		<del>\$277.95</del> <u>\$304.01</u>	<del>\$377.05</del> <u>\$412.40</u>	<del>\$213.19</del> <u>\$178.40</u>	<del>\$17.25</del> <u>\$16.50</u>
6" Compound	451-750		<del>\$446.20</del> <u>\$488.03</u>	<del>\$501.25</del> <u>\$548.24</u>	<del>\$421.30</del> <u>\$352.55</u>	
8" Compound	1001-1450		<del>\$996.25</del> <u>\$1,089.65</u>	<del>\$993.56</del> <u>\$908.40</u>	<del>\$670.93</del> <u>\$561.45</u>	
10" Compound	1451-1600		<del>\$1,405.65</del> <u>\$2,093.30</u>	<del>\$1,269.52</del> <u>\$1,160.70</u>	<del>\$962.63</del> <u>\$805.55</u>	
14" Compound	2001-3500		<del>\$1,705.35</del> <u>\$865.23</u>	<del>\$1,858.06</del> <u>\$1,698.80</u>	<del>\$1,920.78</del> <u>\$1,607.35</u>	
2" Turbo	120-160		<del>\$96.50</del> <u>\$105.55</u>	<del>\$165.98</del> <u>\$151.75</u>	<del>\$87.95</del> <u>\$73.60</u>	
3" Turbo	281-360		<del>\$221.70</del> <u>\$242.48</u>	<del>\$302.64</del> <u>\$276.70</u>	<del>\$192.22</del> <u>\$160.85</u>	
4" Turbo	751-1000		<del>\$658.80</del> <u>\$720.56</u>	<del>\$780.61</del> <u>\$713.70</u>	<del>\$525.50</del> <u>\$439.75</u>	
6" Turbo	1601-2000		<del>\$1,466.05</del> <u>\$275.37</u>	<del>\$1,335.58</del> <u>\$1,221.10</u>	<del>\$1,045.98</del> <u>\$875.30</u>	
8" Turbo	2001-3500		<del>\$1,705.35</del> <u>\$865.23</u>	<del>\$1,925.27</del> <u>\$1,760.25</u>	<del>\$1,463.99</del> <u>\$1,225.10</u>	
10" Turbine	3500-5500		<del>\$2,654.50</del> <u>\$903.36</u>	<del>\$2,993.16</del> <u>\$2,736.60</u>		
2" Magnetic Meter	161-280		<del>\$171.65</del> <u>\$187.74</u>	<del>\$248.23</del> <u>\$226.95</u>	<del>\$137.96</del> <u>\$115.45</u>	
4" Magnetic Meter	751-1000		<del>\$658.80</del> <u>\$720.56</u>	<del>\$780.61</del> <u>\$713.70</u>	<del>\$525.50</del> <u>\$439.75</u>	
6" Magnetic Meter	1601-2000		<del>\$1,466.05</del> <u>\$275.37</u>	<del>\$1,335.58</del> <u>\$1,221.10</u>	<del>\$1,045.98</del> <u>\$875.30</u>	
8" Magnetic Meter	2001-3500		<del>\$1,705.35</del> <u>\$865.23</u>	<del>\$1,925.27</del> <u>\$1,760.25</u>	<del>\$1,463.93</del> <u>\$1,225.05</u>	
6" Propeller	1001-1450		<del>\$996.25</del> <u>\$1,089.65</u>			
8" Propeller	1451-1600		<del>\$1,405.65</del> <u>\$2,093.30</u>			
10" Propeller	1601-2000		<del>\$1,466.05</del> <u>\$275.37</u>			
12" or 14" Propeller	2001-3500		<del>\$1,705.35</del> <u>\$865.23</u>			
16", 18", or 20"	3501-5500		<del>\$2,684.70</del> <u>\$933.11</u>			



Propeller						
Construction Meters					<del>\$624.81</del> <del>\$522.85</del>	\$276.70289.2 8
3 Main Line					<del>\$87.41</del> <del>\$73.15</del>	
4 Main Line					<del>\$175.01</del> <del>\$146.45</del>	
6 Main Line					<del>\$328.09</del> <del>\$274.55</del>	
8 Main Line					<del>\$393.75</del> <del>\$329.50</del>	
10 Main Line					<del>\$524.78</del> <del>\$439.15</del>	

Santiago rates migrating to IRWD rates

## Service Charges – Private Fire Protection Service

### 1. Service-Line Charge

The monthly service charge for private fire line service will be \$13.60 for each inch of diameter of service connection. This charge includes water used for fire extinguishing purposes. The fee for the former Los Alisos Water District rate area will be \$9.50 per inch of diameter of pipe with a commodity charge of ~~\$4.97~~2.05 per ccf.

### 2. Fire Hydrant Charge

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

### 3. Fire Flow Testing

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

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

Monthly private fire line service will be:

1 – 1 1/2" only	\$ 8.80
Larger meter(s) charge	\$ 13.60 per diameter inch

## Commodity Charges: Potable Water

### Irvine Ranch Rate Area

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

Tier	Rate/ccf	Indoor Usage in ccf	Landscape Percent of usage
Low Volume	\$0.91	0-4	0-40
Base Rate	\$ 1.224	5-9	41-100
Inefficient	\$ 2.50	10-14	101-150
Excessive	\$ 4.32	15-19	151-200
Wasteful	\$ 9.48	19+	201+

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

(Base allocation x number of dwelling units)

Tier	Rate/ccf	Indoor Usage in ccf	Landscape Percent of usage
Low Volume	\$0.91	0-3	0-40
Base Rate	\$ 1.224	4-7	41-100
Inefficient	\$ 2.50	8-10	101-150
Excessive	\$ 4.32	11-14	151-200
Wasteful	\$ 9.48	15+	201+

#### 3. Commodity Charge for Apartments

(Base allocation x number of dwelling units)

Tier	Rate/ccf	Indoor Usage in ccf	Landscape Percent of usage
Low Volume	\$0.91	0-2	
Base Rate	\$ 1.224	3-4	
Inefficient	\$ 2.50	5-7	
Excessive	\$ 4.32	8-9	
Wasteful	\$ 9.48	10+	

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

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	\$ 1.224	0-100
Inefficient	\$ 2.50	101-110
Excessive	\$ 4.32	111-120
Wasteful	\$ 9.48	121+

**Irvine Ranch Rate Area (Continued)**

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

Tier	Rate/ccf	ET Index Percent of Usage
Low Volume	\$0.91	0-40
Base Rate	\$ 1.224	41-100
Inefficient	\$ 2.50	101-110
Excessive	\$ 4.32	111-120
Wasteful	\$ 9.48	121+

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

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

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

**Los Alisos Rate Area**

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

Tier	Rate/ccf	Allocation In ccf	Landscape Percent of usage
Low Volume	<del>\$1.54</del> \$1.40	0-4	0-40
Base Rate	<del>\$2.05</del> \$1.97	5-9	41-100
Inefficient	<del>\$2.98</del> \$2.75	10-14	101-150
Excessive	<del>\$4.49</del> \$4.32	15-19	151-200
Wasteful	<del>\$9.84</del> \$9.48	19+	201+

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

Tier	Rate/ccf	Allocation In ccf	Landscape Percent of usage
Low Volume	<del>\$1.54</del> \$1.40	0-3	0-40
Base Rate	<del>\$2.05</del> \$1.97	4-7	41-100
Inefficient	<del>\$2.98</del> \$2.75	8-10	101-150
Excessive	<del>\$4.49</del> \$4.32	11-14	151-200
Wasteful	<del>\$9.84</del> \$9.48	15+	201+

**9. Commodity Charge for Apartments**

(Base allocation x number of dwelling units)

Tier	Rate/ccf	Allocation In ccf
Low Volume	<del>\$1.54</del> \$1.40	0-2
Base Rate	<del>\$2.05</del> \$1.97	3-4
Inefficient	<del>\$2.98</del> \$2.75	5-7
Excessive	<del>\$4.49</del> \$4.32	8-9
Wasteful	<del>\$9.84</del> \$9.48	10+

**Los Alisos Rate Area (Continued)**

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

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	<del>\$2.05</del> \$ 1.97	0-100
Inefficient	<del>\$2.98</del> \$2.75	101-110
Excessive	<del>\$4.49</del> \$ 4.32	111-120
Wasteful	<del>\$9.84</del> \$ 9.48	121+

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

Tier	Rate/ccf	ET Index Percent of Usage
Low Volume	\$1.40 <del>1.54</del>	0-40
Base Rate	<del>\$2.05</del> \$ 1.97	41-100
Inefficient	<del>\$2.98</del> \$2.75	101-110
Excessive	<del>\$4.49</del> \$ 4.32	111-120
Wasteful	<del>\$9.84</del> \$ 9.48	121+

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

*Non-Conforming Use	Rate/ccf
Base Rate	\$ 4.32 <del>4.9</del>

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

**Orange Park Rate Area**

**13. Commodity Charge**

3/4" Meter Size	Rate/ccf	Allocation
Standard Tier I	<del>\$1.74</del> \$ 1.73	0 – 10 ccf
Excess Tier II	<del>\$2.08</del> \$ 2.07	11 – 40 ccf
Excess Tier III	<del>\$2.63</del> \$ 2.62	41+ ccf

## Commodity Charges: Potable Water System - Agricultural

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

### 1. Commodity Charge:

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	<del>\$1.48</del> \$-1.47	0-100
Inefficient	<del>\$3.04</del> \$-3.04	101-110
Excessive	<del>\$5.25</del> \$-5.25	111-120
Wasteful	<del>\$11.52</del> \$-11.52	121+

### 2. Los Alisos Rate Area

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	<del>\$2.38</del> \$-2.29	0-100
Inefficient	\$ 4.06	101-110
Excessive	\$ 6.87	111-120
Wasteful	\$ 10.98	121+

## Commodity Charges: Nonpotable Water System Including Agricultural

### 1. Commodity Charge

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

Area	Rate/ccf	Per Acre Foot
IRWD rate area	\$ 1.10	\$ 480.00

Lake fillers used for landscape irrigation purpose:

	Rate/ccf	ET Index Percent of Usage
Low volume	\$0.82	0-40
Base rate	<u>\$1.09</u>	41-100
Inefficient	\$ 2.25	101-110
Excessive	\$ 3.89	111-120
Wasteful	\$ 8.53	121+

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

Area	Rate/ccf	Per Acre Foot
IRWD rate area	<u>\$1.09</u>	<u>\$ 470.00474.80</u>

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

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

Area	Rate/ccf	Per Acre Foot
Agricultural	\$ 1.44	\$ 627.70
Non-Agricultural	\$ 1.37	\$ 598.10

### 3. Surcharge

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

### 4. Seasonal Pricing Policy

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

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

### 1. Commodity Charge

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

Tier	Rate/ccf	ET Index Percent of Usage
Low Volume	\$0.82	0-40
Base Rate	\$ 1.098	41-100
Inefficient	\$ 2.25	101-110
Excessive	\$ 3.89	111-120
Wasteful	\$ 8.53	121+



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

### 1. Commodity Charge

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

Tier	Rate/ccf	ET Index Percent of Usage
Low Volume	\$0.82	0-40
Base Rate	\$ 1.098	41-100
Inefficient	\$ 2.25	101-110
Excessive	\$ 3.89	111-120
Wasteful	\$ 8.53	121+

### 2. Recycled Loan Customers

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

Tier	Rate/ccf	ET Index Percent of Usage
Low Volume	\$0.91	0-40
Base Rate	\$ 1.224	41-100
Inefficient	\$ 2.50	101-110
Excessive	\$ 4.32	111-120
Wasteful	\$ 9.48	121+

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

### 1. Commodity Charge for Commercial and Industrial

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	\$ 0.743	0-100
Inefficient	\$ 1.510	101-110
Excessive	\$ 2.59	111-120
Wasteful	\$ 5.69	121+

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

Tier	Rate/ccf	Base Index Percent of Usage
Base Rate	\$ 1.2422	0-100
Inefficient	\$ 2.50	101-110
Excessive	\$ 4.32	111-120
Wasteful	\$ 9.48	121+

# Allocations and Variances

## 1. Base Allocations for Commodity Charges

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

Account Type	Base Allocation Number of Residents	Landscape Area (LA)	Base Allocation Indoor	Base Allocation Outdoor	Total Allocation
Residential Detached	4	1300 sq. ft (0.03 acres)	# Residents x 55 gpd	ET x Kc x 1.40 x LA	(Indoor + Outdoor) x # days in bill service period
Residential Attached*	3	435 sq. ft	# Residents x 55 gpd	ET x Kc x 1.40 x LA	(Indoor + Outdoor) x # days in bill service period
Apartments*	2	N/A	# Residents x 55 gpd		Indoor x # days in bill service period
Irrigation		Site specific based on irrigated acreage	N/A	ET x Kc x 1.40 x LA	Outdoor x # days in bill service period
Commercial, Industrial, Institutional			Site specific, based on productivity, employees, water use efficiency practices etc.	Site specific, based on irrigation needs	Site specific, adjusted for # days in bill service period

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

**gpd** = gallons per day

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

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

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

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

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

## 2. Variances from Ascending Tiered Rate Allocations

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

### Procedure

See IRWD Rules and Regulations, Section 12.6

### 3. Grounds for Variance

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

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

Each additional person increases the base by 1.8 ccf/month (indoor usage factor x 0.8)

#### b. Landscape

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

#### c. Medical Needs

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

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

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

#### e. Fire Control Zones

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

#### f. Commercial/Industrial/Public Authority

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

#### g. New Account Establishment Variance

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

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

### 4. Limitations

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

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

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

### **a. Residential:**

Approved variances will extend each tier of the residential structure, excluding the low volume tier, by the number of increased ccf's.

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

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

## **Pumping Surcharges**

### **1. Potable Water Pumping Surcharges**

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

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

### **2. Recycled Water Pumping Surcharges**

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

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

# Temporary Water Service Connection

## 1. Monthly Service Charge

See Chart C on page 4.

## 2. Commodity Charge

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

Potable	\$ 1.676/ccf
Recycled	\$ 1.510/ccf
Former Orange Park Acres Rate Area – Potable	\$ 1.798/ccf
Former Los Alisos Rate Area	\$ 2.4536/ccf

## 3. Meter Deposit

A deposit equal to the replacement cost of the construction meter shall be collected at the time of service application. For FY 2010-11, this is estimated to be \$1,000.00. The deposit will be applied to the closing bill and any remaining amount refunded to the customer. Lost meters will result in forfeiture of deposit.

## 4. Materials for Repairing Damaged Construction Meters

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

(1) Santiago rates migrating to IRWD rates

**5. Replacement Costs for Residential Customers Who Destroy District Property**

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



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

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

### **1. Charges**

A fee of \$15.00 shall be collected to establish a new account for water and sewer service, or to transfer an existing account to a new location.

### **2. Residential Deposit**

For residential customers, a deposit of \$50.00 may be required for instances of delinquent payments.

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

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

## **Delinquency and Service Restoration Charges**

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

### **1. Delinquency Charges**

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

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

### **2. Restoration Charges**

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

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

### **3. Non-Sufficient Funds Checks**

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

## Special Contract Billing

### 1. Residential Domestic Water Sold to Trabuco Canyon Water District

- (a) Commodity Charge: The base residential commodity rate shall be \$ ~~1.89~~90 per hundred cubic feet.
- (b) Pumping Surcharge: A pumping surcharge of \$0.32 per hundred cubic feet shall be added to the base residential commodity rate.
- (c) Monthly Service Charge: The monthly service charge shall be \$ ~~5.05~~51 per residential customer.

Section  
**2**

# Wastewater System Charges

## Monthly Wastewater Service Charges

<b>Residential</b>	
<b>(a) Single Family Dwelling Units</b>	
<u>AVERAGE MONTHLY WATER USE</u>	<u>SERVICE CHARGE PER MONTH</u>
Over 1000 cubic feet (10 ccf)	<ul style="list-style-type: none"> <li>100% rate = \$ <del>16.65</del><u>90</u> per unit</li> </ul>
501-1000 cubic feet (5.01-10.0 ccf)	<ul style="list-style-type: none"> <li>90% rate = \$ <del>15.00</del><u>25</u> per unit</li> </ul>
0-500 cubic feet (0-5.0 ccf)	<ul style="list-style-type: none"> <li>75% rate = \$ <del>12.50</del><u>70</u> per unit</li> </ul>
<p>(1) Monthly service charge based upon actual water meter readings during the twelve month period ending December 31.                  (2) To qualify for the reduced rates a customer must have usage history for a full calendar year.</p>	
<u>SERVICE CHARGE PER MONTH</u>	
<b>(b) Multiple Family Dwelling Units</b>	
<ul style="list-style-type: none"> <li>\$ <del>12.50</del><u>70</u> per unit</li> </ul> <p>(1) No credit will be granted for vacancies resulting from the normal turnover of occupants in an existing multiple dwelling unit. The price structure contained herein includes considerations of average vacancy rates.                  (2) A newly constructed multiple dwelling unit may be billed at the non-residential metered rate, with appropriate allowance for landscape irrigation, until the structure is substantially occupied.</p>	
<b>(c) Single or Multiple Family Dwelling Units</b>	
<u>SERVICE CHARGE PER MONTH</u>	
(1) Portola Hills	<ul style="list-style-type: none"> <li>\$ <del>16.65</del><u>90</u> per unit</li> </ul>
(2) A portion of Newport Coast	<ul style="list-style-type: none"> <li>\$ <del>6.00</del><u>10</u> per unit</li> </ul>
<b>NON-RESIDENTIAL – CLASS II</b>	
Quantity charges are based on the supposition that 90 percent (90%) of non-residential water consumption returns to the sewer. Because of landscape irrigation or consumptive usage, some non-residential users may discharge substantially less of their metered water into the wastewater system. Those users may, upon request to the District, be permitted to have the amount of water being discharged into the sewer determined by means acceptable to the District.	
<b>(a) Shall apply to all commercial, industrial and institutional users whose consumption is equal to or less than an average of 10 ccf per month.</b>	
<u>SERVICE AND QUANTITY CHARGE PER MONTH</u>	
<ul style="list-style-type: none"> <li>Service charge - \$ <del>16.65</del><u>90</u></li> <li>Quantity charge - \$ <del>1.91</del><u>94</u>/ccf</li> </ul> <p>(1) To qualify for this rate, a customer usage history based upon actual water meter readings is not greater than 120 ccf in a full calendar year.</p>	
<b>(b) Shall apply to all commercial, industrial and institutional users whose consumption is in excess of 10 ccf per month.</b>	
<u>SERVICE /QUANTITY/COMMODITY CHARGE PER MONTH</u>	
<ul style="list-style-type: none"> <li>Service charge - \$ <del>16.65</del><u>90</u> + <del>1.69</del><u>72</u> = <del>18.34</del><u>62</u></li> <li>Quantity charge - \$2.00/ccf</li> <li>Commodity charge - \$0.093/ccf</li> </ul>	
} = \$2.093/ccf	
<b>(c) Portola Hills customers</b>	
<u>SERVICE AND QUANTITY CHARGE PER MONTH</u>	
<ul style="list-style-type: none"> <li>Service charge - \$ <del>16.65</del><u>90</u></li> <li>Quantity charge - \$ <del>1.91</del><u>41</u>/ccf</li> </ul>	

## Non-Residential Class I Wastewater

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

### 1. Discharge Limits

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

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

### 2. Appeals to the Board of Directors

Appeal fee - \$500

### 3. Charges and Fees

Basic Service and Quality Charge

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

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

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

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

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

Rv = \$ ~~1.440~~120 per hundred cubic feet

Rb = \$ ~~0.302~~312 per pound of BOD

Rs = \$ ~~0.262~~272 per pound of SS

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

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

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

Fee per violation - \$350

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

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

Fee per violation - \$550

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

Fee per violation - \$550

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

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

Fee per violation - \$550

##### **e. Fees for Restaurant Grease Trap Service Calls**

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

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

## Water Connection Fees

## Residential

	IMPROVEMENT DISTRICT	0-5.8 DUs/acre	5.9-10.8 DUs/acre	10.9-25.8 DUs/acre	25.9-40.0 DUs/acre
Connection Fees Per Dwelling Unit	101*	\$3,028	\$2,671	\$2,262	\$1,910.00
	113	2,190	2,190	2,190	2,190
	102 (120), 121	1,047	1,047	1,047	1,047
	103 (130)	1,579	1,579	1,579	1,579
Total acreage for any given	140	1,879	1,879	1,879	1,879
development shall be gross	105 (150)	1,579	1,579	1,579	1,579
acres excluding private parks.	106 (160), 161	1,579	1,579	1,579	1,579
	186	8,667	8,667	8,667	8,667
	LC/LCS PA	2,002	2,002	2,002	2,002
	Lambert Ranch	2,664	2,664	2,664	2,664
	Los Alisos 135	2,966	2,966	2,966	2,966
	All others*				

## Commercial, Industrial and Public Authority – Office Building

	IMPROVEMENT DISTRICT	Commercial	Industrial	Public Authority
Connection Fees Per Gross Acre	101*	\$16,798.00	\$25,585.00	\$18,394
	113	16,004.00	*	8,762
	102 (120), 121	5,237.00	5,320.00	5,735
	103 (130)	3,200.00	3,200.00	3,504
	140	9,655.00	.00	10,572
	105 (150)	8,298.00	11,779.00	9,086
	106 (160), 161	8,298.00	11,779.00	9,086
	186	17,666.00	17,666.00	19,344
	188	27,565.00	27,565.00	30,184
	Los Alisos 135	9,963.00	9,963.00	10,909
	All others*			

## Parks, Churches and Commercial Recreational Facilities

	IMPROVEMENT DISTRICT	Indoor Water Use	Outdoor <sup>(1)</sup> Water Use
Connection Fees Per Fixture Unit	101*	\$52.61	\$185.13
	102 (120), 121	8.68	30.67
(1) As calculated per UPC as revised.	103 (130)	6.31	18.95
	140	36.43	128.16
	105 (150)	26.58	93.16
	106 (160), 161	27.60	96.73
	186	57.30	201.29
	188	137.77	484.70
	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)**

	<u>IMPROVEMENT DISTRICT</u>	<u>Primary &amp; Intermediate</u>	<u>Secondary</u>	<u>Primary Intermediate &amp; Secondary</u>
Connection Fees Per	101*	\$4,146.00	\$5,560.00	\$178.00
100 Students Average Daily Attendance	102 (120), 121	688.00	914.00	31.00
	103 (130)	422.00	568.00	20.00
<sup>(2)</sup> Minimum required	140	2,868.00	3,857.00	124.00
	105 (150)	2,088.00	2,808.00	90.00
	106 (160), 161	2,170.00	2,914.00	97.00
	186	4,324.00	6,060.00	194.00
	188	10,906.00	14,593.00	466.00
	All others*			

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

**High Volume User – Commercial and Industrial**

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

Connection Fee Formula      Additional High Volume Water User Connection Fee =  

$$\frac{[\text{Est. GPD use} - (\text{no. acres} \times \text{use factor}^*)] \times \$946,100/\text{cfs}}{646,320 \text{ gal/day/cfs}}$$

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

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



## Service Installations by District

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

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

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

\*(Developer installed-Residential only)

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

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

## Plan Check and Inspection Fees

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

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

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

**Non-Digital Submittal Surcharge**

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

**Interim Water Service Charge – New Developments**

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

Custom lots will be charged \$164.50 per lot due to the extended construction period.

## Sewer Connection Fees

### Residential

	IMPROVEMENT DISTRICT	0-5.8 DU <sub>s</sub> /acre	5.9-10.8 DU <sub>s</sub> /acre	10.9-25.8 DU <sub>s</sub> /acre	25.9-40.0 DU <sub>s</sub> /acre
Connection Fees Per Dwelling Unit	1 (201)*	\$5,375	\$4,784	\$3,937	\$3,107
	213	3,833	3,833	3,833	3,833
	2 (220), 221	740	740	740	740
	2 (230)	1,783	1,783	1,783	1,783
Total acreage for any given	240	2,966	2,966	2,966	2,966
development shall be gross	205 (250)	1,783	1,783	1,783	1,783
acres excluding private parks.	206 (260), 261	1,783	1,783	1,783	1,783
	256	24,500	24,500	24,500	24,500
	286	2,396	2,396	2,396	2,396
	LC/LCS PA	3,137	3,137	3,137	3,137
	Lambert Ranch	2,310	2,310	2,310	2,310
	Los Alisos 235	2,088	2,088	2,088	2,088
	OPA1 (Ridgeline)	4,200	4,200	4,200	4,200
	All others*				

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

	IMPROVEMENT DISTRICT	Commercial	Industrial	Public Authority
Connection Fees Per Gross Acre	1 (201)*	\$30,126.00	\$52,560.00	\$32,988
	213	22,839.00	*	12,413
	2 (220), 221	6,097.00	9,208.00	6,676
	2 (230)	676.00	676.00	740
	240	13,543.00	.00	14,830
	205 (250)	8,129.00	13,489.00	8,901
	206 (260), 261	8,129.00	13,489.00	8,901
	286	4,983.00	4,983.00	5,456
	288	4,983.00	4,983.00	5,456
	Los Alisos 235	7,629.00	7,629.00	8,354
	All others*			

### Parks, Churches and Commercial Recreational Facilities

	IMPROVEMENT DISTRICT	Fee
Connection Fees Per Fixture Unit	1 (201)*	\$333.30
	2 (220), 221	96.14
	2 (230)	23.13
	240	201.49
	205 (250)	127.40
	206 (260), 261	123.00
	286	54.30
	288	54.30
	All others*	

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



## **Sewer Installation Charges**

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

## **Non-Digital Submittal Surcharge**

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

## **District Closed Circuit Television Inspection Charges**

### **Initial TV Inspection Fee**

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

### **Reinspection**

Fees for Reinspection by District TV Crew After Corrective Work is Completed. Those portions of the pipeline system that have been corrected must be retelevised.

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

### **Cancellation of District's TV Inspection**

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

1. If the District's television crew arrives at the job site and the work is not ready or accessible, the Contractor and owner will be billed for the cancellation fee of two hundred fifty dollars (\$250.00), payable to the District prior to the date of the rescheduled television inspection.
2. A rescheduled inspection is to be made through the District's project inspection division.

**Optional Developer TV Inspection**

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

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

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

Continued

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

Continued



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

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

Exhibit "C"

29 May 2011

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

RECEIVED  
JUN 06 2011  
FINANCE  
IRVINE RANCH WATER DISTRICT

Sirs:

I oppose the proposed residential water and sewer rate increases for the Los Alisos Rate Area.

The reasons for my opposition are too many to enumerate but include:

- ★ redundant services offered by the many OCMWD member agencies,
- ★ the fact that MWD plans to spend more than \$1 billion on projects that local water analysts say should be considered for delay to avoid steep and ongoing rate increases across Southern California,
- ★ the fact that rates have increased more than 60% in four years across regions governed by MWD, and
- ★ the fact that Jeffery Kightlinger and 20 plus other top executives of MWD continue to resist placing any dollar limit upon their reimbursed travel expenses.

Respectfully,



James Pacelli  
24525 Via Tonada  
Lake Forest, Ca 92630

Thomas L. Gourde  
11040 Hiskey Lane  
Tustin, CA 92782

May 19, 2011

RECEIVED

MAY 23 2011

IRWD  
P.O. Box 5149  
Irvine, CA 92616

FINANCE  
IRVINE RANCH WATER DISTRICT

PROTEST LETTER TO IRWD'S PROPOSED RATE INCREASE

To: Board of Directors

Please accept this as my protest letter to the "Notice of Proposed Water and Sewer Rate" which will become effective starting July 1, 2011. According to the Notice regarding the rate change, IRWD provides water and sewer services based on the actual costs of "operation and maintenance". The Notice also says that one of the IRWD's critical business objectives is to "keep costs, and therefore rates, as low as possible for all customers".

The Notice is misleading, and I protest any rate increase, which is conveniently referred to as a rate "change". As reported in a recent Orange County Register article about the Water District's benefit packages for its Board of Directors, even though their purported compensation is for their limited time as board members, they receive very generous benefit packages, up to an amount equal to \$30,000.00 a year. Such packages are outrageous and considering the rates we already pay for water, should be reduced before any water and sewer rate "change". This is particularly true since the Board of Directors is not comprised of full-time employees of the water district, but individuals who may be covered by other benefit programs by other employers. They should not be receiving such a generous benefit packages in light of California's pension problems, and the financial problems of many municipal entities.

Also, I can only guess how much the full time employees make, and how much they will be paid when they retire-although I am sure it will be excessive. In light of this, and the fact that it is the IRWD critical business objective to keep costs and therefore rates as low as possible, this rate change should be denied.

Very truly yours,

  
Thomas L. Gourde

Suzanne A. Fidler  
13042 Arborwalk Lane  
Tustin, CA 92782

May 16, 2011

IRWD  
P.O. Bo 5149  
Irvine, CA 92616

RECEIVED

MAY 18 2011

FINANCE  
IRVINE RANCH WATER DISTRICT

Dear IRWD:

I receive services at 13042 Arborwalk Lane, Tustin, CA 92782. I am submitting this letter as a formal protest to the proposed IRWD Residential Water and Sewer Rates increase. This comes at a time that is truly a tough marketplace for many residents. Many people are out of work, struggling to make ends meet and have made sacrifices.

What I ask of you is what has IRWD done to "tighten" its belt? Has IRWD reduced its budget, found ways to save, and utilized the money from the residents in the most efficient ways?

Instead of posing rate increases on residents, I kindly request IRWD to explore other options. Raising rates is not the best option for everyone.

Thank you for your understanding. I may be reached at 714-508-7400.

Kindest regards,

  
Suzanne A. Fidler

June 14, 2011

RECEIVED

JUN 17 2011

To IRWD:

FINANCE  
IRVINE RANCH WATER DISTRICT

I am writing in protest of the proposed water and sewer rate change. I am against any increase, because I am now unemployed.

Please consider any alternatives to reduce costs, including eliminating sending of payment envelopes to customers with automatic payment.

Thank you for your consideration,  
Lisa Che Hui  
Lisa Che Hui  
163 Cherrybrook Lane  
Irvine, CA 92618

RECEIVED

JUN 14 2011

FINANCE  
IRVINE RANCH WATER DISTRICT

Irvine Ranch Water District

RE: Rate Increase Hearing for 6/23/2011

6/7/2011

I'm against a rate increase. There has been a consistence rate increases over the last few years. These past increases should more than cover with budgeting any future costs. Therefore I'm writing to express a protest against the proposed increase.


  
Marcia Ruth


Acct. Number 10033782029






June 27, 2011

Prepared by: Christopher Smithson 

Submitted by: Debby Cherney 

Approved by: Paul Jones 

## WORKSHOP

### INITIAL WORKSHOP ON 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.

Based upon 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. During the meeting, the Committee identified two additional scenarios they wished to have modeled at the first Board workshop. A representative of the Irvine Company requested that two other scenarios be modeled at the first Board workshop.

Staff will present the Model with the updated assumptions at this first Board workshop and will identify connection fee and property tax scenarios for modeling and consideration by the Board at future workshops to be held in July. Staff will also seek input from the Board on any additional modeling scenarios the Board may wish to consider. In addition, staff has scheduled a stakeholders meeting in early July to update the local development community and receive their comments.

#### 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:

- Minimizing any sudden and large changes in rates and fees;
- Maintaining a targeted 75% debt service coverage ratio;
- Equitably allocating new capital costs;
- Maintaining the 50/50 split between connection fees and property taxes; and
- Maintaining 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 ten years.

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

<b>Fiscal Year</b>	<b>Prop 1A Borrowing</b>
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. This is represented in the table below:

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

	<b><u>FY 2010-11</u></b>			<b><u>FY 2011-12</u></b>		
	<b>From</b>	<b>To</b>	<b>By</b>	<b>From</b>	<b>To</b>	<b>By</b>
Capital Funds Return	0.60%	2.25%	2012	1.00%	5.25%	2015
Replacement Funds Return	4.3%	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 a 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 economy 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 improvement districts from the regional capital splits. Staff continues to be committed to reviewing and addressing the Irvine Company’s concerns. Over the next six months, staff will continue working with the Irvine Company to identify ways to address their concerns and will bring recommendations back to the Committee and the Board to address for FY 2012-13 and beyond.

Modeling Scenarios and Timeline for Adoption:

Staff will present the Enterprise Model with the updated assumptions and additional scenarios from Committee direction for presentment at the Board workshop. A summary of the resulting fees for each of the identified scenarios is attached as Exhibit "B".

The proposed schedule for review and approval of connection fees and property tax rates for FY 2011-12 is attached as Exhibit "C".

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:

To be determined through additional meetings and workshops.

COMMITTEE STATUS:

The proposed changes to the Schedule of Rates and Charges were reviewed by the Finance and Personnel Committee on June 5, 2011.

RECOMMENDATION:

THAT THE BOARD PROVIDE FEEDBACK AND DIRECTION TO STAFF FOR ADDITIONAL MODELING SCENARIOS TO BE PRESENTED AT FUTURE COMMITTEE MEETINGS AND BOARD WORKSHOPS.

LIST OF EXHIBITS:

Exhibit "A" – Assumptions for Setting Connection Fees and Property Tax Rates for FY 2011-12

Exhibit "B" – Summary of Modeled Scenarios for Connection Fees and Property Tax Rates

Exhibit "C" – Timeline

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:

<b>Fiscal Year</b>	<b>Prop 1A Borrowing</b>
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.

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

	<b><u>FY 2010-11</u></b>			<b><u>FY 2011-12</u></b>		
	<b>From</b>	<b>To</b>	<b>By</b>	<b>From</b>	<b>To</b>	<b>By</b>
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)**

<b>Revenue Recipient</b>	<b>Basis</b>	<b>Rate</b>	<b>Start in</b>	<b>Increase at</b>
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 million<sup>1</sup> per year.

**BOND FACTORS**

<b><u>Capital Silo</u></b>	<b><u>FY 2010-11</u></b>	<b><u>FY 2011-12</u></b>
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%

<sup>1</sup> 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 "C"

**Operating & Capital Budget  
Rates, Charges, Connection Fees & Property Taxes Timeline for FY 2011-12**

Finance & Personnel Committee Meeting February 17, 2011 (complete)  
• Review assumptions for FY 2011-12 Operating Budget

Finance & Personnel Committee Meeting April 5, 2011 (complete)  
• Review Operating Budget Draft and receive Committee feedback  
• Preliminary review of FY 2011-12 Rates and Charges

Board Meeting April 11, 2011 (complete)  
• First Board Public Workshop on Operating Budget and Proposed Rates and Charges

Board Meeting April 25, 2011 (complete)  
• Second Public Workshop on Operating Budget and Proposed Rates and Charges; Adopt FY 2010-11 Operating Budget  
• Preliminary Approval of Proposed Rates and Charges for Proposition 218 Noticing

Engineering & Operations Committee Meeting May 18, 2011  
• Review draft of Capital Budget

Board Meeting May 23, 2011  
• Workshop to review draft Capital Budget

Finance & Personnel Committee Meeting June 6, 2011  
• Review recommended assumptions for Enterprise Model  
• Initial Runs of Enterprise Model with first draft of Capital Budget and staff-recommended assumptions  
• Receive direction on additional model runs

Stakeholder Workshop July 7, 2011  
• Meeting with interested parties: BIA, OC Association of Realtors, NAIOP South Coast Apartment Association, Irvine Company, Lennar, others as interested  
• Review Connection Fees/Property Taxes and receive community feedback

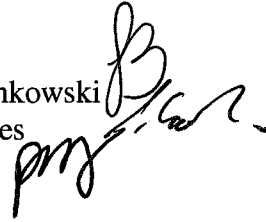
Board Meeting June 27, 2011  
• First Workshop on Connection Fees & Property Taxes; receive assumptions and recommend additional model runs

Finance & Personnel Committee Meeting July 5, 2011  
• Review additional Enterprise Model Runs, as requested

Board Meeting July 13, 2011  
• Second Workshop on Connection Fees & Property Taxes  
• Review additional Enterprise Model runs, as requested  
• Board may adopt Connection Fees & Property Taxes

Board Meeting July 27, 2011  
• (If not adopted on July 13) Adopt Final Connection Fees & Property Taxes

June 27, 2011  
Prepared and  
Submitted by: L. Bonkowski  
Approved by: P. Jones



CONSENT CALENDAR

MINUTES OF REGULAR BOARD MEETING

SUMMARY:

Provided are the minutes of the June 13, 2011 Regular Board Meeting and the June 17, 2011 Adjourned Regular Meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE JUNE 13, 2011 REGULAR BOARD MEETING AND THE JUNE 17, 2011 ADJOURNED REGULAR MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

- Exhibit "A" – June 13, 2011 Regular Board Meeting
- Exhibit "B" – June 17, 2011 Adjourned Regular Board Meeting



## EXHIBIT "A"

### MINUTES OF REGULAR MEETING – JUNE 13, 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 Vice President Matheis on June 13, 2011 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

Directors Present: Withers, Matheis, Swan, and Reinhart

Directors Absent: LaMar

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, Mr. Malcolm Cortez, Ms. Kelly Welch, Ms. Fiona Sanchez, Mr. Mike Hoolihan, Ms. Cheryl Kelly, Mr. Jim Reed, Mr. Bruce Newell, Mr. Brian Probolsky, Mr. Bob Hill, Mr. Ted Martin, Mr. Bob Gumerman, Mr. Don Chadd, Mr. Mike Safranski, Mr. John Schatz, Mr. Roy Herndon and other members of the public and staff.

WRITTEN COMMUNICATION: None

ORAL COMMUNICATION:

Mrs. Joan Irvine Smith addressed the Board of Directors with respect to the Dyer Road Wellfield. Mrs. Smith 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 10 and 15 will operate part of the time. Wells, 1, 2, 3, 4, 5, 6, 7, 11, 12, 13, 14, 16, 17 and 18 will be off. The District's currently planned pumping for June is 4,300 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 – None.

## PRESENTATION

### PARTNER COMMENDATION

In celebration of the District's 50<sup>th</sup> anniversary, the IRWD Board of Directors will recognize key "Partners in Service". This evening General Manager Jones presented Certificates of Commendation to Mr. Bob Hill and Mr. Ted Martin of El Toro Water District, Mr. Bob Gumerman and Mr. Brian Probolsky of Moulton Niguel Water District, Mr. Don Chadd and Mr. Mike Safranski of Trabuco Canyon Water District, and Mr. John Schatz of Santa Margarita Water District.

### PUBLIC HEARING

Using a PowerPoint presentation, Ms. Kelly Welch provided a summary of the 2010 Urban Water Management Plan. Ms. Welch reviewed the proposed plan; key new requirements of the Act; the process and coordination effort; and projected supplies and demand under normal years (2015 through 2035). Ms. Fiona Sanchez then reviewed the Water Conservation Bill 2009, IRWD's baseline, target and calculations; IRWD's participation with MWDOC's regional alliance; and IRWD's strategies to ensure continued compliance.

General Manager Jones said that staff has prepared an update to its 2005 Urban Water Management Plan ("UWMP") in accordance with the Urban Water Management Planning Act (Act) of 1983 (AB 797). Prior to adopting a 2010 UWMP, a public hearing is necessary.

Vice President Matheis declared this to be the time and place for a hearing on the report relative to 2010 Urban Water management Plan, and declared the hearing open. She asked the Secretary how the hearing was noticed.

Secretary Bonkowski said that the report was filed with the Secretary on May 27, 2011 and notice of the filing of the report and the time and place of this hearing was published in the Orange County Register on May 30, 2011 and June 6, 2011. A notice was also posted in the District office on May 31, 2011.

Vice President Matheis asked the Board for a motion to receive and file the Affidavit of Posting and Proof of Publication.

On MOTION by Reinhart, seconded and unanimously carried, THE AFFIDAVIT OF POSTING AND THE PROOF OF PUBLICATION PRESENTED BY THE SECRETARY WAS RECEIVED AND FILED.

Vice President Matheis requested Legal Counsel to describe the nature of the proceedings.

Legal Counsel Arneson said that the proceedings would provide all persons interested an opportunity to be heard concerning any matter set forth in the Plan.

Vice President Matheis inquired of the Secretary whether there have been any written communications.

Secretary Bonkowski said that staff received a request for clarification from the City of Irvine on the population data inputs. She said that staff has responded to this inquiry and that the City of Irvine is satisfied with our response.

Vice President Matheis inquired whether there is anyone present who wishes to address the Board concerning the 2010 Urban Water Management Plan. There were none.

Vice President Matheis inquired whether there are any comments or questions from members of the Board of Directors. There were none.

On MOTION by Swan, seconded and unanimously carried, THE HEARING WAS CLOSED AND THE FOLLOWING RESOLUTION WAS ADOPTED BY TITLE:

RESOLUTION NO. 2011 –19

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH  
WATER DISTRICT RESCINDING RESOLUTION NO. 2005-46  
AND ADOPTING THE 2010 URBAN WATER MANAGEMENT PLAN  
FOR SAID DISTRICT

WORKSHOP

FISCAL YEAR 2011-12 DRAFT CAPITAL BUDGET

General Manager Jones said that the first Board workshop was held on May 23 where staff was asked to revised the table for the top 10 projects to include additional columns noting funds expended to date and the remaining budget. Also, he said that staff has added the Biosolids Facility project to the list of flagged projects which will require Board approval prior to expending additional funds.

Using a PowerPoint presentation, Mr. Eric Akiyoshi reviewed the FY 2011-12 Draft Capital Budget. For the previous fiscal year, FY 2010-11, the Capital Budget expenditures were estimated to be \$142.3 million. Actual expenditures are estimated to be approximately \$104.0 million, or 73% of projected expenditures. Mr. Akiyoshi noted the additional capital projects

which had also been included into the budget, including Projects 11615 and 21615, Oracle Phase 2 – Tech and UB in the amount of \$800,000 each and Project 11432, Well 107 Replacement which is being proposed to be increased by \$1,527,700, for a total project cost of \$3,454,600.

Director Reinhart asked staff to pull last year’s Capital Budget figures for the top 10 project groups and provide them to him for comparison.

On MOTION by Reinhart, seconded and unanimously carried, THE FOLLOWING RESOLUTION WAS ADOPTED BY TITLE:

RESOLUTION NO. 2011 – 20

RESOLUTION OF THE BOARD OF DIRECTORS OF  
IRVINE RANCH WATER DISTRICT, ORANGE COUNTY  
CALIFORNIA, APPROVING THE DISTRICT’S CAPITAL  
BUDGET FOR FISCAL YEAR 2011-12

CONSENT CALENDAR

Director Swan asked that two items be moved to the Action Calendar for discussion, item Nos. 6 and 11. There being no objections, item Nos. 6 and 11 were moved to the Action Calendar. On MOTION by Swan, seconded and unanimously carried, CONSENT CALENDAR ITEMS 7 THROUGH 10 AND 12 THROUGH 16 WERE APPROVED AS FOLLOWS:

7. 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, John Withers and Peer Swan as delineated above.

8. 2011 FEDERAL CLEAN WATER ACT UPDATE

Recommendation: That the Board take an OPPOSE position on the Environmental Protection Agency’s Clean Water Act Draft Guidance.

9. 2011 STATE LEGISLATIVE UPDATE

Recommendation: That the Board consider a SUPPORT position on SB 224 (Pavley) and a WATCH position on AB 938 (Perez, V.).

10. 2011 SELECTION OF STATE LOBBYIST/CONSULTANT

Recommendation: That the Board approve a Professional Services Agreement for a term of 12 months with O’Haren Government Relations in the amount of \$6,500 per month retainer plus reimbursable direct expenses for a total not to exceed \$85,800.



CONSENT CALENDAR (CONTINUED)

12. QUITCLAIM OF REAL PROPERTY – DIEGO TUSTIN, LLC

Recommendation: That the Board adopt a resolution approving execution of the quitclaim deed to Diego Tustin, LLC.

RESOLUTION NO. 2011 - 21

RESOLUTION OF THE BOARD OF DIRECTORS OF  
IRVINE RANCH WATER DISTRICT  
APPROVING EXECUTION OF THE QUITCLAIM DEED TO  
DIEGO TUSTIN, LLC

13. QUITCLAIM OF REAL PROPERTY – IRVINE COMMUNITY DEVELOPMENT COMPANY LLC

Recommendation: That the Board adopt a resolution approving execution of the quitclaim deed to Irvine Community Development Company LLC.

RESOLUTION NO. 2011 - 22

RESOLUTION OF THE BOARD OF DIRECTORS OF  
IRVINE RANCH WATER DISTRICT  
APPROVING EXECUTION OF THE QUITCLAIM DEED TO  
IRVINE COMMUNITY DEVELOPMENT COMPANY LLC

14. QUITCLAIM OF REAL PROPERTY – C.H. SERVICE CORPORATION

Recommendation: That the Board adopt a resolution approving execution of the quitclaim deed to C.H. Service Corporation.

RESOLUTION NO. 2011 - 23

RESOLUTION OF THE BOARD OF DIRECTORS OF  
IRVINE RANCH WATER DISTRICT  
APPROVING EXECUTION OF THE QUITCLAIM DEED TO  
C. H. SERVICE CORPORATION

15. UPDATE ON CONSTRUCTION COSTS FOR STOCKDALE WEST RANCH RECHARGE FACILITIES

Recommendation: Receive and file.

CONSENT CALENDAR (CONTINUED)

16. REVISED DEFERRED COMPENSATION INVESTMENT POLICY STATEMENT

Recommendation: That the Board approve the revised Deferred Compensation Investment Policy Statement.

ACTION CALENDAR

MINUTES OF REGULAR BOARD MEETING

In response to Director Swan's inquiry, Legal Counsel Arneson advised him that the minutes on the MWDOC matter reflected the Board's intention to suspend further action on the original motion to approve the agreement and/or the motion to reconsider, until they take up further action, based on the analogous procedure under Robert Rules of Order. There being no further questions, on MOTION by Swan, seconded and unanimously carried, THE MINUTES OF THE MAY 23, 2011 REGULAR BOARD MEETING WERE APPROVED AS PRESENTED.

PLACING NOMINATION OF PEER A. SWAN AS VICE CHAIR/BOARD MEMBER OF THE ACWA REGION 10 BOARD

Director Swan received clarification from staff that the Board supported his nomination for Vice Chair and Board Member. On MOTION by Swan, seconded and unanimously carried, THE BOARD SUPPORTED THE NOMINATION OF DIRECTOR PEER SWAN FOR VICE CHAIR/BOARD MEMBER OF THE ACWA REGION 10 BOARD FOR THE 2012-13 TERM AND ADOPTED THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2011-24

RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA  
PLACING IN NOMINATION PEER A. SWAN AS VICE CHAIR/BOARD  
MEMBER OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES  
REGION 10

ASSET OPTIMIZATION – SAND CANYON MEDICAL OFFICE PROJECT  
CONSTRUCTION AWARD AND EXPENDITURE AUTHORIZATION

General Manager Jones reported that in February 2008, the Board approved Phase I of the Sand Canyon Office Project on land adjacent to the Sand Canyon headquarters site. Phase I includes construction of a 16,400 square foot medical office building, a separate community meeting facility and the reconfiguration of the majority of the existing Sand Canyon headquarters building parking area. In March, 2011, the Board approved a 10-year lease agreement with Coastal Fertility Medical Center / Reproductive Specialty Laboratories to lease 12,031 square feet of the planned medical office building, resulting in occupancy of approximately 73% of the space in the new building.

Treasurer Jacobson reported that with the execution of the 10-year lease, staff solicited construction bids for the new office building and site improvements. Newport Real Estate Services (NRES) distributed approved building plans and bid specifications to four pre-qualified general contractors on April 8, 2011. Mr. Jacobson said that three general contractors submitted proposals including KPRS Construction, Snyder-Langston, and R.M. Dalton Corporation. Miller Construction was unable to bid on the project due to constraints on its current bonding capacity. The costs quoted in the proposals ranged from \$5,241,487 to \$5,856,267 and were based on the approved building plans for construction of the medical office building shell and common area tenant improvements, a finished community meeting room, and site improvements for the new building and existing IRWD parking area. The construction estimate developed in 2007 was for an amount of \$5,597,531, though it did not include a separate building for the Community Meeting Room. Mr. Jacobson said that based on its competitive bid proposal of \$5,241,487, as well as their experience with similar office construction projects, staff is recommending that KPRS Construction provide general contractor services for the project.

Director Swan requested that he would like the balance of the property to be discussed by the Asset Management Committee. On MOTION by Swan, seconded and unanimously carried, **THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH KPRS CONSTRUCTION IN THE AMOUNT OF \$5,241,487.05, APPROVE AN EXPENDITURE AUTHORIZATION FOR \$4,834,900 FOR PROJECT 11118, AND REFERRED DISCUSSION OF THE BALANCE OF THE PROPERTY TO THE ASSET MANAGEMENT COMMITTEE.**

FISCAL YEAR 2011-12 GENERAL COUNSEL SERVICES FOR BOWIE, ARNESON, WILES, AND GIANNONE

General Manager Jones reported that Bowie, Arneson, Wiles & Giannone (BAWG) has provided a proposed letter of engagement for the purpose of providing legal services to the District effective July 1, 2011. BAWG's services shall not exceed \$615,000 for the District's fiscal year (FY) 2011-12 without additional authorization from the District subject to the not-to-exceed amounts as provided in separate detail. As of April 2011, BAWG's costs total \$490,000, approximately 60% of which are capitalized fees, with the balance applied to the operating budget fees.

On MOTION by Swan, seconded and unanimously carried, **THE BOARD APPROVED AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE, THE ENGAGEMENT AGREEMENT WITH BOWIE, ARNESON, WILES, AND GIANNONE EFFECTIVE JULY 1, 2011 FOR GENERAL COUNSEL SERVICES IN THE AMOUNT NOT TO EXCEED \$615,000, SUBJECT TO THE NOT-TO-EXCEED AMOUNTS WITHIN SUCH TOTAL AMOUNT AS PROVIDED IN SEPARATE DETAIL.**

WELL 107 DRILLING AND EQUIPPING CONSTRUCTION AWARD

General Manager Jones reported that the Irvine Desalter Project (IDP) Well 107 was constructed by the Irvine Company in 1981 and is nearing the end of its useful life. Bids were received from four contractors for destruction and replacement of Well 107. Pascal & Ludwig, utilizing Best Drilling and Pump for the well drilling, was the low bidder with a bid amount of \$2,705,543. The engineer's estimate was \$2,800,000. During review of the bids, staff noticed that Pascal &

Ludwig did not submit a project schedule as required in the bid proposal package and did not submit the qualifications of the subcontractor providing the sound mitigation.

District's legal counsel reviewed Pascal & Ludwig's bid and determined that these are irregularities that can be waived by the Board, since the Board can on the basis of its review of the facts make a finding that they do not afford Pascal & Ludwig a competitive advantage. Pascal & Ludwig did meet the District's requirement to submit the subcontractor's name for the sound mitigation work, but did not submit the qualifications. This does not affect the bid amount and the District can assess qualifications from other information. Omission of the schedule is also not an item that would have enabled a lower bid to be submitted or otherwise provided a competitive advantage.

On MOTION by Withers, seconded and unanimously carried, THE BOARD FOUND THAT THE IRREGULARITIES IN THE BID SUBMITTED BY PASCAL & LUDWIG DID NOT AFFECT THE AMOUNT OF THE BID OR AFFORD PASCAL & LUDWIG A COMPETITIVE ADVANTAGE OVER THE OTHER BIDDERS AND WAIVED THE IRREGULARITIES; APPROVED A BUDGET INCREASE TO THE FY 2010-11 CAPITAL BUDGET FOR PROJECT 11432 BY \$1,527,700, FROM \$1,926,900 TO \$3,454,600; APPROVED AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$3,239,200 FOR PROJECT 11432; AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH PASCAL & LUDWIG IN THE AMOUNT OF \$2,705,543 FOR THE CONSTRUCTION OF WELL 107, PROJECT 11432.

#### OPERATIONS CENTER FACILITIES EXPANSION PHASE 1 MEZZANINE CONVERSION CONSTRUCTION AWARD

General Manager Jones reported that this project will convert the existing warehouse mezzanine within the Michelson Operations Center to office space and install seismic upgrades to the warehouse. The project was re-bid due to irregularities identified in the bids after the February 28, 2011 contract award. On MOTION by Reinhart, seconded and unanimously carried, THE BOARD CANCELED THE AWARD OF THE CONSTRUCTION CONTRACT TO SNYDER LANGSTON IN THE AMOUNT OF \$722,361 ON FEBRUARY 28, 2011 AND REJECTED ALL BIDS SUBMITTED ON FEBRUARY 2, 2011; FOUND THAT THE IRREGULARITIES IN THE BID SUBMITTED BY SNYDER LANGSTON IN THE REBIDDING OF THE PROJECT ON MAY 17, 2011 DID NOT AFFECT THE AMOUNT OF THE BID OR AFFORD SNYDER LANGSTON A COMPETITIVE ADVANTAGE OVER THE OTHER BIDDERS AND WAIVE THE IRREGULARITIES, AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH SNYDER LANGSTON IN THE AMOUNT OF \$763,376 FOR THE OPERATIONS CENTER FACILITIES EXPANSION PHASE I MEZZANINE CONVERSION, PROJECTS 11422, 21422 AND 31422.

#### TUSTIN LEGACY WELL NO. 1 ALTERNATIVE CONSTRUCTION AWARD

Using a PowerPoint presentation, Director of Engineering Burton reported on the Tustin Legacy Well 1A design along with a comparison of original design and alternative design. It is the conclusion of staff from both IRWD and OCWD that the enhanced design will further protect the well from potential future contamination. Mr. Burton said that staff recognizes that the redesign could impact the capacity of the well because the upper screens are sealed off by the 500-foot deep conductor casing and sanitary seal. The redesign of the well was completed in

May 2011 and the project was re-advertised to the three original bidders: Bakersfield Well & Pump, Boart Longyear, and Best Drilling and Pump. The bid opening was held on June 7, 2011 and bids were received from all three contractors. Bakersfield Well & Pump was the apparent low bidder with a bid amount of \$2,799,863. The increase in construction cost in the amount of \$780,076 for the enhanced well design is primarily attributable to the addition of the intermediate conductor casing and the deeper sanitary seal. The engineer's estimate for the revised Tustin Legacy Well 1A design was \$2,372,282.

In response to Director Reinhart's inquiries, discussion was held with staff and Mr. Roy Herndon from the Orange County Water District relative to the alternative well design. On MOTION by Reinhart, seconded and unanimously carried, THE BOARD REJECTED ALL BIDS FOR THE ORIGINAL TUSTIN LEGACY WELL NO. 1 ALTERNATIVE DESIGN OPENED ON APRIL 19, 2011; APPROVED A BUDGET INCREASE TO THE FY 2011-12 CAPITAL BUDGET FOR PROJECT 11419 BY \$966,000, FROM \$2,595,900 TO \$3,561,900; APPROVED AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$966,000 FOR PROJECT 11419; AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH BAKERSFIELD WELL & PUMP IN THE AMOUNT OF \$2,799,863 FOR THE CONSTRUCTION OF TUSTIN LEGACY WELL NO. 1 ALTERNATIVE, PROJECT 11419.

RECONSIDERATION OF THE AGREEMENT BETWEEN MUNICIPAL WATER DISTRICT OF ORANGE COUNTY (MWDOC) AND ITS MEMBER AGENCIES ON BUDGET, ACTIVITIES, CHARGES AND OTHER SERVICES AS APPROVED BY THE IRWD BOARD ON JANUARY 24, 2011

Director Swan said due to the the absence of President LaMar this evening, he asked that this item be continued to the June 17 Strategic Planning Workshop. On MOTION by Swan, seconded and unanimously carried, RECONSIDERATION OF THE AGREEMENT BETWEEN MUNICIPAL WATER DISTRICT OF ORANGE COUNTY (MWDOC) AND ITS MEMBER AGENCIES ON BUDGET, ACTIVITIES, CHARGES AND OTHER SERVICES AS APPROVED BY THE IRWD BOARD ON JANUARY 24, 2011 WAS CONTINUED TO THE JUNE 17, 2011 STRATEGIC PLANNING WORKSHOP.

GENERAL MANAGER'S REPORT

General Manager Jones reminded the Board of Friday's Strategic Planning Workshop at 7:30 a.m.

Mr. Jones said this morning he attended Moulton Niguel Water District's Engineering Committee meeting relative to IRWD's biosolids project, and during the meeting General Manager Gumerman recommended that its Board only approve the agreement if all other agencies go forward. Mr. Jones also said that El Toro Water District also took similar action with its Board, and if this is the case, staff will direct our consultant, Black and Veatch, to make revisions on the dryer size. He said that in the Memorandum of Understanding with SOCWA, if they do not go forward with the agreement, they will be incurring \$120,000 in costs along with \$400,000 exposure on it. He further said that there is sufficient time to make the changes in the dryer size in the schedule so it will not encroach on the lease with OCSD.

DIRECTORS' COMMENTS

Director Reinhart reported that he attended a MWDOC Board workshop, a SOCWA Board meeting, and a WACO meeting.

Director Swan reported that he attended an OCWD Board meeting, a Newport Chamber of Commerce meeting, a WACO monthly meeting, Tom Woodruff's funeral, Susan Trager's Celebration of Life, and a meeting with Snyder-Langston. He also said that he attended a bird banding event at the San Joaquin Wildlife Sanctuary last Friday; however, both Osprey chicks did not survive. He said that he will be attending a Newport Bay Watershed meeting on Wednesday, Irv Pickler's upcoming 90<sup>th</sup> birthday celebration prior to the next OCWD Board meeting, and a Southern California Dialogue meeting.

Director Matheis reported that she attended a City of Tustin address, a WACO meeting, an ISDOC Executive Committee meeting, and an ACWA Region 9 tour of the Delta.

ADJOURNMENT

There being no further business, Vice President Matheis adjourned the meeting to Friday, June 17, 2011 at 7:30 a.m. in the Multi-purpose Room to hold a Strategic Planning Workshop.

APPROVED and SIGNED this 27th day of June, 2011.

\_\_\_\_\_  
President, IRVINE RANCH WATER DISTRICT

\_\_\_\_\_  
Secretary, IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

\_\_\_\_\_  
Legal Counsel - Bowie, Arneson, Wiles & Giannone

## EXHIBIT "B"

### MINUTES OF ADJOURNED REGULAR MEETING – JUNE 17, 2011

The Adjourned Regular Meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order by President LaMar at 7:30 a.m. on June 17, 2011 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

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

Directors Absent: None

Also Present: General Manager Jones, Assistant General Manager Cook, Director of Engineering and Construction Burton, Director of Water Operations Pedersen, Director of Human Resources Wells, Director of Planning and Water Resources Heiertz, Principal Engineer Hoolihan, and Legal Counsel Arneson.

### COMMUNICATIONS TO THE BOARD

Director Swan reported that the Latino Water Coalition has requested a donation from the District. Director Withers said he would like to first have the Coalition come and make a presentation to the Board on what they do and their use of donations. Mr. Jones said he would see what information is already available and can be distributed to the Board, or if it would be useful to invite their attendance at a future meeting.

### WORKSHOP

### REVIEW AGENDA AND DESIRED OUTCOMES.

Mr. Jones reviewed the items to be discussed.

### UPDATE ON CONSULTANT SELECTION AND PROCESS FOR REVIEW OF IRWD RETIREMENT AND HEALTH BENEFITS

General Manager Jones reported that District received seven proposals in response to its Request for Proposal (RFP) for Evaluating Changes to IRWD's Retirement and Health Benefits Package. The RFP established the requested scope of work, including a series of monthly workshops with the full Board and Executive Management team. Staff has established a Working Group to review the proposals and make recommendations for consultant selection to the Finance and Personnel Committee.

Mr. Jones said that at the June 6, 2011 Finance and Personnel Committee meeting, Director Swan expressed concerns regarding the consultant selection process. Specifically, concerns identified included: 1) potential bias and conflict of interest among staff participating in the selection process due to their vested interest in CalPERS; 2) the need for additional Board member involvement and oversight because of significant long-term implications of the study

and the aforementioned perception of bias; and 3) expectations of the media and the public regarding heightened Board member involvement on such an important and high-profile issue.

Mr. Jones said that it is staff's contention that the District's extensive Committee review and Board workshop process, in concert with the current consultant evaluation procedures and practices by staff, offer ample opportunity for the Board's input and participation. Moreover, and most importantly, the Board is the ultimate arbiter in any consultant decision through its authority to review and reject staff recommendations regarding consulting firms, scope of work, budget or contract structure. In deference to the issues raised above, staff recommends that the selection process initially established in the RFP be amended to include participation by a committee of the Board in the scoring and interviews.

The Board of Directors commented on the process, with Directors Swan and Matheis concurring that the Finance and Personnel Committee should be involved in the process as the Board will ultimately decide. Director Reinhart commented that other Board committees do not typically involve themselves in the proposal evaluation process, but will make the ultimate selection or recommendation to the full Board. President LaMar then proposed: 1) all proposals received be sent to all Board members who can then make comments as necessary or provide questions to staff (Director Withers suggested that comments and / or questions be submitted in writing to the General Manager and Director of Finance and then be redistributed to the Board); 2) that the evaluation committee (consisting of staff and outside resources) conduct its review and evaluation process; 3) the results of this process will be presented to the Finance and Personnel Committee who will then have the opportunity to interview the shortlisted firm(s); 4) the final recommendation with then be brought to the full Board for approval.

Following discussion, on MOTION by Swan, seconded and unanimously carried, THE BOARD ADOPTED THE PROPOSED PROCESS FOR CONSULTANT SELECTION AND BOARD PARTICIPATION.

RECONSIDERATION OF THE AGREEMENT BETWEEN MWDOC AND ITS MEMBER AGENCIES ON BUDGET, ACTIVITIES, CHARGES AND OTHER SERVICES AS APPROVED BY THE IRWD BOARD ON JANUARY 24, 2011

President LaMar reported that this item was brought back to the Board as the Municipal Water District of Orange County (MWDOC) made proposals for term limits of LAFCO Special District representatives and any district with greater than 10% of AV could trigger an election. He said when the MWDOC Board took action of amending the ISDOC Bylaws, it appeared that these proposals were conditions of its vote to approve. Subsequent discussion with certain MWDOC Board members and staff revealed that the amendments that were opposed by IRWD and other agencies were not understood by many MWDOC Board member and these amendments have since been withdrawn. It was the consensus that IRWD will respond immediately and strongly to any instance when MWDOC or any Director violating intent of the agreement occurs, Director Swan withdrew his motion for reconsideration, and on MOTION, seconded and unanimously approved (5-0 vote), THE APPROVAL OF THE JANUARY 24, 2011 MOTION WAS DECLARED TO BE REINSTATED AND THE SUSPENSION OF ACTIONS AUTHORIZED THEREBY WAS LIFTED.



POLICY POSITION PAPER: WHOLESAL WATER AGENCY SERVICE IN ORANGE COUNTY

General Manager Jones reported on the proposed policy position paper regarding the potential consolidation of the Orange County Water District (OCWD) and the MWDOC. Mr. Jones said that staff has prepared a policy position paper, with input from the ad hoc committee established to monitor and provide direction regarding this subject, to articulate IRWD's position regarding a proposal to consolidate OCWD and MWDOC. These policy principles are intended to be shared with the OCWD, MWDOC, and water agencies and cities that provide water service throughout Orange County. It was the consensus that the draft principals be clarified to encourage MWDOC and OCWD to explore options for staffing and other efficiencies including a joint powers model and that this be done in an orderly, open process. On MOTION by Reinhart, seconded and unanimously carried, THE BOARD ADOPTED POLICY POSITION PAPER ENTITLED: *WHOLESAL WATER AGENCY SERVICE IN ORANGE COUNTY, AS REVISED.*

ORANGE COUNTY WATER DISTRICT ISSUES - ANNEXATION AND RECYCLED WATER PENALTY

General Manager Jones reported that staff will update the Board on events since the October 29, 2010, Strategic Planning Workshop to assist the Board in refining the strategy for the annexation of additional portions of the IRWD service area into OCWD and/or the potential elimination of the OCWD recycled water penalty.

Using a PowerPoint presentation, both Director of Water Resources Heiertz and Principle Engineer Hoolihan reported on the OCWD annexation and groundwater planning. Mr. Hoolihan said that OCWD staff has made long-term basin production percentage projections through 2035. They estimate that the Basin Production Percentage (BPP) will remain at approximately 65% in the future. This estimate considers increased groundwater demands, expansion of the Groundwater Replenishment System (GWRS) project, diminished Santa Ana base flows as well as other sources of recharge. Many of the assumptions used by OCWD are subject to uncertainty. Staff has performed a sensitivity analysis for a BPP range of between 62% and 75% to determine the appropriate level of IRWD groundwater production capability in the future.

Mr. Heiertz provided a history of the annexation noting that IRWD has pursued annexation of additional territory into OCWD since 1996. In October 2009, the Yorba Linda Water District (YLWD) requested that OCWD consider annexing additional YLWD territory. In early 2010, The City of Anaheim and IRWD, likewise, requested consideration of annexation proposals. The IRWD request was substantially reduced from previous annexation attempts, including 5,342 acres with 6,130 AFY demand. The OCWD Board and the annexing agencies approved a Memorandum of Understanding (MOU) in mid-2010 that defined the process for considering the annexations.

Mr. Hoolihan reported that under the practices that are currently implemented by OCWD, the BPP calculation excludes recycled water as part of an agency's Total Water Demand. This has the effect of reducing the amount of groundwater that can be produced under the BPP by

agencies that provide recycled water to their customers, including IRWD. This practice essentially penalizes an agency for promoting the use of recycled water by lowering the amount of groundwater that can be produced within the BPP. Staff and legal counsel have extensively researched the recycled water penalty implicit in the OCWD BPP calculation, including a review of the language in the Act, the legislative history of the supplemental sources and BEA language, and related statutory provisions. The result of this research provides well-supported arguments that the Act does not authorize OCWD to exclude recycled water from the BPP calculation.

Following the presentation, the Board asked staff to continue simultaneously pursuing annexation of additional portions of IRWD's service area into the Orange County Water District and the elimination of the current Orange County Water District recycled water penalty.

### IRWD GOALS AND PRIORITIES

General Manager Jones reviewed the goals and objectives. The Board members made suggestions on several of the items listed which were noted by staff and will be incorporated into the updated Target Activities List.

### CLOSED SESSION

President LaMar announced that a Closed Session would be held relative to CONFERENCE WITH LABOR NEGOTIATOR pursuant to Government Code Section 54957.6 - Agency Designated Representative: LaMar: Unrepresented Employee: Paul D. Jones II.

### OPEN SESSION

Following the Closed Session, the meeting was reconvened with Directors Matheis, Withers, Reinhart, Swan, and President LaMar present. President LaMar said that on MOTION by Swan, seconded and unanimously carried, THE GENERAL MANAGER WAS GRANTED A PERFORMANCE AWARD EQUAL TO 8.1% OF HIS CURRENT BASE SALARY AND A CONTRIBUTION TO HIS 401(a) DEFERRED COMPENSATION PLAN EQUAL TO 10.2% OF HIS CURRENT BASE SALARY.

### ITEMS TO LATE TO BE AGENDIZED

President LaMar reported that an item came to staff's attention after the agenda was posted with regard to the resignation of General Manager Jones effective July 15, 2011. Mr. LaMar recommended that the Board appoint an interim General Manager at this time. On MOTION by Swan, seconded and unanimously carried, IT WAS DETERMINED THAT THERE WAS A NEED TO TAKE IMMEDIATE ACTION TO MAKE AN APPOINTMENT FOR INTERIM GENERAL MANAGER DUE TO THE RESIGNATION OF GENERAL MANAGER JONES WHICH CAME TO THE ATTENTION OF THE DISTRICT SUBSEQUENT TO THE AGENDA BEING POSTED, AND THIS MATTER WAS ADDED TO THE AGENDA.

APPOINTMENT OF INTERIM GENERAL MANAGER

Following discussion, on MOTION by Swan, seconded and unanimously carried, THE BOARD APPOINTED MR. PAUL COOK AS INTERIM GENERAL MANGER EFFECTIVE JULY 15, 2011 AT THE CLOSE OF BUSINESS.

ADJOURNMENT

There being no further business, at 11:45 a.m. President LaMar adjourned the meeting.

APPROVED and SIGNED this 27th day of June, 2011.

\_\_\_\_\_  
President, IRVINE RANCH WATER DISTRICT

\_\_\_\_\_  
Secretary, IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

\_\_\_\_\_  
Legal Counsel - Bowie, Arneson, Wiles & Giannone

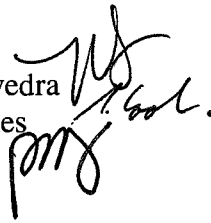


June 27, 2011

Prepared and

Submitted by: N. Savedra

Approved by: P. Jones



CONSENT CALENDAR

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

SUMMARY:

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

Events/Meetings

Steven LaMar

6/14/11 OCBC Infrastructure Committee  
6/20/11 Meeting with Paul Jones regarding District activities  
6/21/11 Briefing and Tour of IRWD facilities for Colonel Toy

Doug Reinhart

6/20/11 Meeting with El Toro Water District regarding General Issues

Peer Swan

6/14/11 OCBC Infrastructure Committee  
6/22/11 MWDOC/OCWD Joint Committee Meeting  
6/23/11 IRWD Historical Advisory Group Meeting

John Withers

6/15/11 OCWD Ceremonial Event for Director Irv Pickler  
6/23/11 Ca. Dept. of Water Resources-Regional Forum on Water Planning & Mgmt.

RATIFY/APPROVE THE MEETINGS AND EVENTS FOR STEVEN LaMAR, DOUG REINHART, PEER SWAN, AND JOHN WITHERS AS DELINEATED ABOVE.

LIST OF EXHIBITS:

None

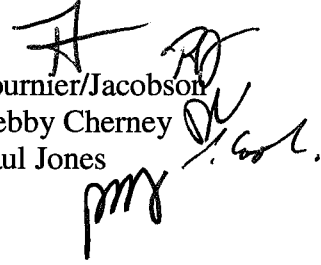


June 27, 2011

Prepared by: Fournier/Jacobson

Submitted by: Debby Cherney

Approved by: Paul Jones



## CONSENT CALENDAR

### MAY 2011 FINANCIAL REPORTS

#### SUMMARY:

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

- A. The Investment Summary Report for May 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 May 31, 2011, as outlined in Exhibit "B".
- C. The May 31, 2011 Summary of Wire Transfers and ACH payments in the total amount of \$3,245,306.00, as outlined in Exhibit "C".
- D. The May 2011 tabulation of Warrant Nos. 319956 through 320541, Workers' Compensation distributions, and voided checks in the total amount of \$11,359,068.82, as outlined in Exhibit "D".

#### FISCAL IMPACTS:

As of May 31, 2011, the book value of the investment portfolio was \$421,080,073 with a 0.58% rate of return and a market value of \$421,677,128. Based on the District's March 31, 2011 quarterly real estate investment rate of return of 10.75%, the District's weighted average return for the fixed income and real estate investments was 1.92%.

As of May 31, 2011, the total notional amount of the interest rate swap portfolio was \$130 million of fixed payer swaps. Cash flow in May from all swaps was a negative \$683,631 and a negative \$6,788,781 fiscal year to date. The mark-to-market value of all swaps was approximately \$96.3 million at month-end.

Wire transfers, ACH payments, and checks issued for debt service, accounts payable, payroll and water purchases for May totaled \$14,604,374.82.

#### ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE TREASURER'S INVESTMENT SUMMARY REPORT AND THE MONTHLY INTEREST RATE SWAP SUMMARY FOR MAY 2011; APPROVE THE MAY 2011 SUMMARY OF WIRE TRANSFERS AND ACH PAYMENTS IN THE TOTAL AMOUNT OF \$3,245,306; AND APPROVE THE MAY 2011 WARRANTS NOS. 319956 THROUGH 320541, WORKERS' COMPENSATION DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$11,359,068.82.

LIST OF EXHIBITS:

Exhibit "A" - Investment Summary Report

Exhibit "B" - Monthly Interest Rate Swap Summary

Exhibit "C" - Monthly Summary of Wire and ACH Transfers

Exhibit "D" - Tabulation of Warrants





IRVINE RANCH WATER DISTRICT

SUMMARY OF MATURITIES  
05/31/11

PORTFOLIO \$421,035,990

DATE	TOTAL	%	LAIF	AGENCIES	MUNI	CAL REV NOTES	MONEY MARKET SAVINGS & SWEEP	Collateral + Deposit
6/11	\$336,035,990	79.81%	\$233,286,634		83,320,000	10,000,000	4,269,543	\$5,159,813
7/11								
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								
<b>SUB-TOTAL</b>	<b>\$341,035,990</b>	<b>81.00%</b>	<b>\$233,286,634</b>	<b>5,000,000</b>	<b>83,320,000</b>	<b>10,000,000</b>	<b>4,269,543</b>	<b>\$5,159,813</b>
<b>13 Months 3 YEARS</b>								
6/1/2012 - 6/30/2012								
7/1/2012 - 9/30/2012								
10/1/2012 - 12/31/2012	\$15,000,000	3.56%		15,000,000				
1/1/2013 - 3/31/2013	\$25,000,000	5.94%		25,000,000				
4/1/2013 - 6/30/2013	\$25,000,000	5.94%		25,000,000				
7/1/2013 - 9/30/2013								
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	\$10,000,000	2.38%		10,000,000				
<b>TOTALS</b>	<b>\$421,035,990</b>	<b>100.00%</b>	<b>\$233,286,634</b>	<b>85,000,000</b>	<b>83,320,000</b>	<b>10,000,000</b>	<b>4,269,543</b>	<b>\$5,159,813</b>

% OF PORTFOLIO

55.41% 20.19% 19.79% 2.38% 1.01% 1.23%

\* Return of posted collateral is dependant on interest rates.

**IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT**  
**INVESTMENT ACTIVITY**  
 May-11

**MATURITIES/SALES**

**PURCHASES**

DATE	SECURITY TYPE	PAR	YIELD	DATE	SECURITY TYPE	PAR	YIELD
5/6/2011	VRDO - West Basin Wtr - 8/1/2021	\$10,000,000	0.40%	5/6/2011	VRDO - West Basin Wtr - 8/1/2021	\$10,000,000	0.40%
05/23/11	FHLB Note Due 5/23/2011	\$5,000,000	0.50%	05/10/11	FHLB Note Due 2/24/2014	\$5,000,000	1.09%
05/23/11	FHLB Note Due 11/23/2012	\$5,000,000	0.63%	05/23/11	FHLMC Note Due 5/23/2014	\$5,000,000	1.25%
05/25/11	FHLB Note Due 3/25/2013	\$5,000,000	1.00%	05/23/11	FHLMC Note Due 4/11/2013	\$5,000,000	0.52%
05/26/11	FHLB Note Due 10/25/2012	\$5,000,000	0.58%	05/27/11	FHLMC Note Due 5/28/2014	\$5,000,000	1.25%

**LAIF ACTIVITY**

05/03/11	LAIF	(\$600,000)
05/09/11	LAIF - 2009A	(\$2,079,000)
05/09/11	LAIF - 2009B	(\$2,079,000)
05/20/11	LAIF - 2010 BABS	(\$7,000,000)
05/20/11	LAIF	\$7,000,000
05/25/11	LAIF	\$1,900,000
	Increase/(Decrease)	<u><u>(\$2,858,000)</u></u>

**COLLATERALIZED DEPOSIT ACTIVITY**

Balance Forward	\$3,289,936
CITIGROUP	<u>\$1,869,877</u>
Balance at 5/31	<u><u>\$5,159,813</u></u>



**IRVINE RANCH WATER DISTRICT  
INTEREST RATE SWAP MONTHLY SUMMARY REPORT - DETAIL  
May 31, 2011**

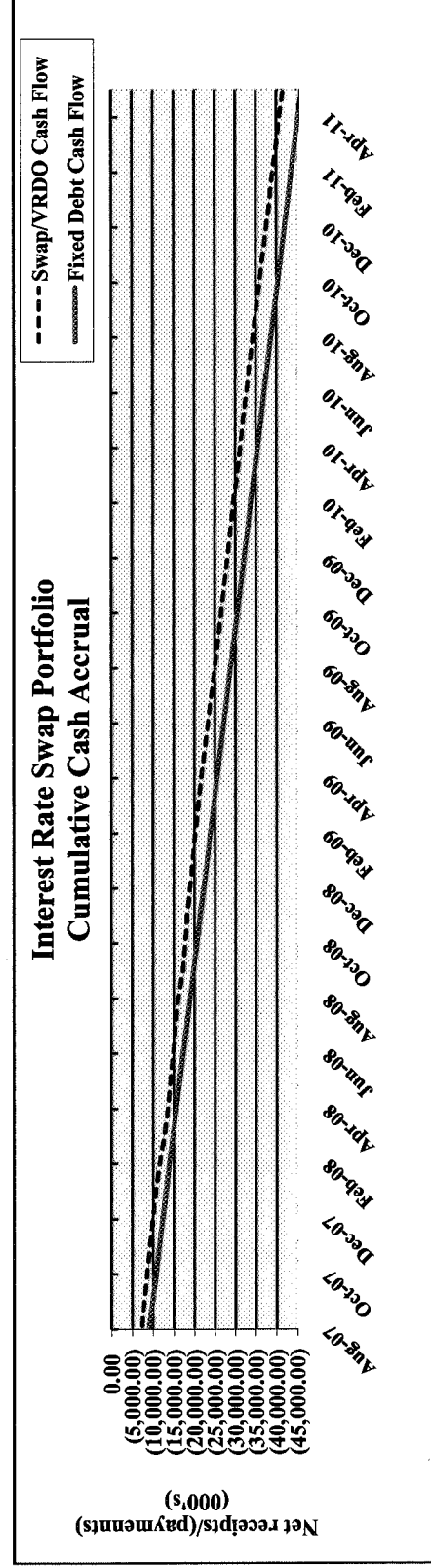
Exhibit "B"

Effective Date	Maturity Date	Years to Maturity	Counter Party	Notional Amt	Type	Base Index	Fixed Rate	LIBOR Avg. %			Cash Flow			Mark to Market Current Mark to Market	Unrealized Gain/(Loss)	Th Rtn to Dt Net Gain/(Loss)
								Prior Mo.	Current Mo.	12-Mo. Avg.	Prior Month	Current Month	Fiscal YTD			
<b>Fixed Payer Swaps - By Effective Date</b>																
6/4/2006	6/4/2019	8.0	ML	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (89,176)	\$ (109,701)	\$ (1,090,347)	\$ (3,754,919)	\$ 14,910,869	\$ (5,089,131)	\$ (8,844,050)		
6/4/2006	6/4/2019	8.0	CG	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (89,176)	\$ (109,701)	\$ (1,090,347)	\$ (3,754,919)	\$ 14,913,783	\$ (5,086,217)	\$ (8,841,136)		
6/17/2006	6/17/2019	8.1	CG	\$ 30,000,000	FXP	LIBOR	6.140%	\$ (132,580)	\$ (163,133)	\$ (1,619,567)	\$ (5,554,602)	\$ 22,489,250	\$ (7,510,750)	\$ (13,065,352)		
3/10/2007	3/10/2029	17.8	ML	\$ 30,000,000	FXP	LIBOR	5.687%	\$ (122,337)	\$ (150,548)	\$ (1,494,260)	\$ (4,787,956)	\$ 21,995,498	\$ (8,004,502)	\$ (12,792,458)		
3/10/2007	3/10/2029	17.8	CG	\$ 30,000,000	FXP	LIBOR	5.687%	\$ (122,337)	\$ (150,548)	\$ (1,494,260)	\$ (4,787,956)	\$ 22,011,977	\$ (7,988,023)	\$ (12,775,979)		
<b>Totals/Weighted Avgs</b>								\$ (555,606)	\$ (683,631)	\$ (6,788,781)	\$ (22,640,353)	\$ 96,321,377	\$ (33,678,623)	\$ (56,318,976)		
<b>Total Current Year Active Swaps</b>								\$ (555,606)	\$ (683,631)	\$ (6,788,781)	\$ (22,640,353)	\$ 96,321,377	\$ (33,678,623)	\$ (56,318,976)		

Effective Date	Maturity Date	Counter Party	Notional Amt	Type	Base Index	Fixed Rate	Cash Flow			Mark to Market Current Mark to Market	Unrealized Gain/(Loss)	Th Rtn to Dt Net Gain/(Loss)
							Prior Month	Current Month	Fiscal YTD			
<b>Current Fiscal Year Terminated Swaps</b>												
							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Current Year Terminated Swaps</b>												
							\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Effective Date	Maturity Date	Counter Party	Notional Amt	Type	Base Index	Fixed Rate	Cash Flow			Mark to Market Current Mark to Market	Unrealized Gain/(Loss)	Th Rtn to Dt Net Gain/(Loss)	
							Prior Month	Current Month	Fiscal YTD				
<b>Current Fiscal Year Active Swaps</b>													
							\$ (555,606)	\$ (683,631)	\$ (6,788,781)	\$ (22,640,353)	\$ 96,321,377	\$ (33,678,623)	\$ (56,318,976)
<b>Total Current Year Active &amp; Terminated Swaps</b>													
							\$ (555,606)	\$ (683,631)	\$ (6,788,781)	\$ (22,640,353)	\$ 96,321,377	\$ (33,678,623)	\$ (56,318,976)

**Cash Flow Comparison**  
 Synthetic Fixed vs. Fixed Rate Debt  
 Synthetic Fixed = \$41,585,355  
 Fixed Rate = \$46,032,181  
 Assumptions:  
 - Fixed rate debt issued at 5.10% in Jun-06, and 4.93% in Mar-07 (estimated TE rates - Bloomberg)  
 - 'Synthetic' includes swap cash flow + interest + fees to date



## Exhibit "C"

### MONTHLY SUMMARY OF WIRE TRANSFERS/ACH TRANSFERS

MAY  
2011

DATE	AMOUNT	VENDOR	PURPOSE
5/2/2011	11,219.18	BANK OF AMERICA	DEBT SERVICE
5/2/2011	12,000.00	US BANK	DEBT SERVICE
5/2/2011	2,532.66	SUMITOMO BANK	DEBT SERVICE
5/4/2011	10,756.22	SUMITOMO BANK	DEBT SERVICE
5/6/2011	488.03	HELABA	DEBT SERVICE
5/6/2011	8,471.62	BANK OF AMERICA	DEBT SERVICE
5/9/2011	699,193.23	BANK OF AMERICA	PAYROLL 5/8/11
5/9/2011	165,159.71	BANK OF AMERICA	FEDERAL TAX LIABILITY
5/9/2011	60,106.76	BANK OF AMERICA	STATE TAX LIABILITY
5/9/2011	1,070.50	STATE OF CALIFORNIA - EPE	CA CHILD SUPPORT
5/9/2011	13,786.83	EBS	FLEX HEALTH PLAN
5/9/2011	27,684.27	TFFCU	PAYROLL DEDUCTION
5/9/2011	990.00	OCCU	PAYROLL DEDUCTION
5/9/2011	329,255.80	CalPERS	HEALTH INSURANCE PREMIUM
5/9/2011	10,602.43	FISERV	RETURNED ITEM REIMBURSEMENT (First Quarter 2011)
5/9/2011	250.00	US BANK	LOC DRAW FEES
5/10/2011	119,470.33	GREAT WEST	DEFERRED COMP A/O 5/8/11
5/15/2011	207,596.54	CalPERS	RETIREMENT
5/15/2011	237,246.43	MWDOC	WATER PURCHASE
5/19/2011	110.00	US BANK	LOC AMENDMENT FEES
5/23/2011	700,465.39	BANK OF AMERICA	PAYROLL 5/23/11
5/23/2011	168,149.83	BANK OF AMERICA	FEDERAL TAX LIABILITY
5/23/2011	59,787.83	BANK OF AMERICA	STATE TAX LIABILITY
5/23/2011	1,070.50	STATE OF CALIFORNIA - EPE	CA CHILD SUPPORT
5/23/2011	27,684.27	TFFCU	PAYROLL DEDUCTION
5/23/2011	990.00	OCCU	PAYROLL DEDUCTION
5/23/2011	14,020.16	EBS	FLEX HEALTH PLAN
5/24/2011	120,597.81	GREAT WEST	DEFERRED COMP A/O 5/23/11
5/30/2011	209,693.34	CalPERS	RETIREMENT
5/31/2011	20,846.55	BANK OF NEW YORK MELLON	DEBT SERVICE
5/31/2011	4,009.78	FISERV	RETURNED ITEM REIMBURSEMENT (April and May 2011)
	<b><u>3,245,306.00</u></b>		

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 1  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
319956		04-MAY-11	Margaret Pulles	HOME	48.45			Voided
319987		04-MAY-11	Margaret Pulles	HOME	48.45			Voided
319988		04-MAY-11	Alex Munoz		238.97			Voided
319989		04-MAY-11	John Tettmer		92.29			Voided
319990		04-MAY-11	John Tettmer	HOME	92.29			Voided
319991		04-MAY-11	Alex Munoz	HOME	238.97			Voided
319992		04-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	56,018.51			Voided
319993		06-MAY-11	COX COMMUNICATIONSPAY		122.82			Voided
319994		06-MAY-11	COX COMMUNICATIONSPAY		61.31			Voided
319995		06-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	37.80			Voided
319996		06-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	148,167.60			Voided
319997		06-MAY-11	COX COMMUNICATIONSPAY		122.82			Voided
319998		06-MAY-11	COX COMMUNICATIONSPAY		61.31			Voided
319999		06-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	37.80			Voided
320000		06-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	148,167.60			Voided
320001		06-MAY-11	COX COMMUNICATIONSPAY		61.31			Negotiable
320002		06-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	148,167.60			Negotiable
320003		06-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	37.80			Negotiable
320004		06-MAY-11	COX COMMUNICATIONSPAY		122.82			Negotiable
320005		06-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	143,660.76			Negotiable
320006		06-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	56,018.51			Negotiable
320007		06-MAY-11	SUNNYHILLS RESTORATION	PAY	10,000.00			Negotiable
320008		06-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	71,338.60			Negotiable
320009		06-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	49,286.80			Negotiable
320010		06-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY	PAY	87.84			Negotiable
320011		06-MAY-11	MARVIN GARDENS LLC	HUNTINGTON BEACH	763.89			Negotiable
320012		06-MAY-11	MARVIN GARDENS LLC	HUNTINGTON BEACH	1,252.56			Negotiable

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 2  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320013		06-MAY-11	MARVIN GARDENS LLC	HUNTINGTON BEACH	1,341.14			Negotiable
320014		06-MAY-11	APPLE STORE	BREA	3,324.73			Negotiable
320015		06-MAY-11	PERS LONG TERM CARE	PASADENA	1,826.79			Negotiable
320016		06-MAY-11	ORDONEZ, CYNTHIA MARIE	SANTA ANA	638.50			Negotiable
320017		06-MAY-11	FRANCHISE TAX BOARD	SACRAMENTO	1,833.49			Negotiable
320018		06-MAY-11	FIDELITY INVESTMENTS	CINCINNATI	440.00			Negotiable
320019		06-MAY-11	WILLIAMS, TWYLA	PARKER	788.50			Negotiable
320020		06-MAY-11	VERIZON CALIFORNIA INC	PAY	84.60			Negotiable
320021		06-MAY-11	VERIZON CALIFORNIA INC	PAY	120.64			Negotiable
320022		06-MAY-11	VERIZON CALIFORNIA INC	PAY	66.76			Negotiable
320023		06-MAY-11	VERIZON CALIFORNIA INC	PAY	149.52			Negotiable

320024	06-MAY-11	INC VERIZON CALIFORNIAPAY	40.94	Negotiable
320025	06-MAY-11	INC VERIZON CALIFORNIAPAY	39.16	Negotiable
320026	06-MAY-11	INC VERIZON CALIFORNIAPAY	43.60	Negotiable
320027	06-MAY-11	VERIZON WIRELESS PAY SERVICES LLC	12,924.25	Negotiable
320028	06-MAY-11	AT&T ATLANTA	49.89	Negotiable
320029	06-MAY-11	ALEXANDER CONTRACTATASCADERO SERVICES INC	95,081.75	Negotiable
320030	06-MAY-11	ANTHEM BLUE CROSS PAY	2,018.60	Negotiable
320031	06-MAY-11	REACH EMPLOYEE PAY ASSISTANCE INC	808.60	Negotiable
320032	09-MAY-11	PSB THE MARKETING LAKE SUPERSOURCE FOREST	30,162.61	Negotiable
320033	09-MAY-11	CONEYBEARE INC ORANGE	460.60	Negotiable
320034	09-MAY-11	CYBERNETICS PURCHASE_P AY	2,195.00	Negotiable
320035	09-MAY-11	WORKFLOWONE PAY	2,319.32	Negotiable
320036	09-MAY-11	COASTAL TRAFFIC COSTA MESA SYSTEMS, INC	550.00	Negotiable
320037	09-MAY-11	MWH LABORATORIES PAY	1,237.50	Negotiable
320038	09-MAY-11	HILL BROTHERS ORANGE CHEMICAL COMPANY	248.72	Negotiable
320039	10-MAY-11	AT&T SACRAMENTO	526.68	Negotiable
320040	10-MAY-11	AT&T SACRAMENTO	16.07	Negotiable
320041	10-MAY-11	AT&T SACRAMENTO	15.48	Negotiable
320042	10-MAY-11	AT&T SACRAMENTO	435.28	Negotiable
320043	10-MAY-11	AT&T SACRAMENTO	15.24	Negotiable
320044	10-MAY-11	DEVISE ENGINEERINGMISSION INC VIEJO	1,416.76	Negotiable
320045	10-MAY-11	Kevin Burton HOME	54.72	Negotiable
320046	10-MAY-11	Kevin Walsh HOME	44.10	Negotiable
320047	10-MAY-11	Soha Vazirnia HOME	3.00	Negotiable

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 3  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320048		10-MAY-11	Gabriel Vargas	HOME	179.88			Negotiable
320049		10-MAY-11	Joseph Breiter	HOME	38.10			Negotiable
320050		10-MAY-11	Lester Bussaid Jr.	HOME	44.10			Negotiable
320051		10-MAY-11	Shane Shanafelt	HOME	50.10			Negotiable
320052		10-MAY-11	Alex Munoz	HOME	238.97			Negotiable
320053		10-MAY-11	John Tettmer	HOME	28.00			Negotiable
320054		10-MAY-11	John Tettmer	HOME	64.29			Negotiable
320055		10-MAY-11	marriott intl	SAN DIEGO	589.82			Negotiable
320056		10-MAY-11	marriott intl	SAN DIEGO	589.82			Negotiable
320057		10-MAY-11	marriott intl	SAN DIEGO	589.82			Negotiable
320058		10-MAY-11	GRAINGER	PAY	708.38			Negotiable
320059		10-MAY-11	GRAINGER	PAY	237.59			Negotiable
320060		10-MAY-11	CITY OF SANTA ANA	PAY	18,285.05			Negotiable
320061		11-MAY-11	CANON FINANCIAL SERVICES INC		1,389.97			Negotiable
320062		11-MAY-11	PRUDENTIAL OVERALL SUPPLY		40.87			Negotiable
320063		11-MAY-11	Christopher Fike		6.00			Negotiable
320064		11-MAY-11	David Mazzarella		188.69			Negotiable
320065		11-MAY-11	Harry Cho		100.76			Negotiable
320066		11-MAY-11	Mark Gingras		24.25			Negotiable
320067		11-MAY-11	Martin Howell		6.00			Negotiable
320068		11-MAY-11	ACTION ELECTRIC CORP		1,400.92			Voided
320069		11-MAY-11	CONEYBEARE INC		1,092.28			Negotiable
320070		11-MAY-11	DUDEK		5,016.92			Negotiable
320071		11-MAY-11	ELECTRICAL SYSTEMS ENGINEERING		5,250.00			Negotiable
320072		11-MAY-11	GLOBALSTAR INC		168.65			Negotiable
320073		11-MAY-11	HILL BROTHERS CHEMICAL COMPANY		6,441.46			Negotiable
320074		11-MAY-11	HUMANSSCALE OF CALIFORNIA INC		1,695.78			Negotiable
320075		11-MAY-11	KENNEDY/JENKS CONSULTANTS INC		54,575.37			Negotiable
320076		11-MAY-11	MCR TECHNOLOGIES INC		3,338.44			Negotiable
320077		11-MAY-11	MERCHANTS LANDSCAPE SERVICES INC		1,700.00			Negotiable
320078		11-MAY-11	PAPER DEPOT DOCUMENT DESTRUCTION LLC		532.00			Negotiable
320079		11-MAY-11	PROTECTION ONE ALARM MONITORING INC		235.64			Negotiable
320080		11-MAY-11	PRUDENTIAL OVERALL SUPPLY		1,780.47			Negotiable



320081	11-MAY-11	R&B AUTOMATION INC	6,661.08	Negotiable
320082	11-MAY-11	ram air engineering inc	2,266.17	Negotiable
320083	11-MAY-11	REF CONSULTING	215,747.38	Negotiable
320084	11-MAY-11	SANDERS PAVING INC	5,140.00	Negotiable
320085	11-MAY-11	TEKDRUALICS	2,963.13	Negotiable

IRWD Ledger      Payment Register For 01-MAY-11 To 31-MAY-11      Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A.      Branch : Los Angeles      Account: Checking AP and PR      Page: 4  
 Bank Account Currency: USD ( US Dollar )      Payment Currency: USD ( US Dollar )  
 Payment Type: All      Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320086		11-MAY-11	TRUGREEN LANDCARE LLC		42,051.14			Negotiable
320087		11-MAY-11	UNITED SITE SERVICES OF CALIFORNIA INC		544.67			Negotiable
320088		11-MAY-11	US PEROXIDE LLC		37,529.05			Negotiable
320089		11-MAY-11	USA MOBILITY WIRELESS INC		70.74			Negotiable
320090		11-MAY-11	VALLEY POWER SYSTEMS INC		3,444.84			Negotiable
320091		13-MAY-11	AIRGAS-WEST, INC.		756.68			Negotiable
320092		13-MAY-11	APX ENCLOSURES INC		1,573.87			Negotiable
320093		13-MAY-11	BRUCE NEWELL		2,500.00			Negotiable
320094		13-MAY-11	BTA ADVISORY GROUP		75,336.30			Voided
320095		13-MAY-11	C WELLS PIPELINE MATERIALS INC		686.01			Negotiable
320096		13-MAY-11	CALIFORNIA MUNICIPAL TREASURERS ASSOCIATION		9,000.00			Voided
320097		13-MAY-11	CANON FINANCIAL SERVICES INC		6,701.69			Negotiable
320098		13-MAY-11	COASTAL TRAFFIC SYSTEMS, INC		2,950.00			Negotiable
320099		13-MAY-11	DRIVELINES UNLIMITED		442.25			Voided
320100		13-MAY-11	DUDEK		16,313.07			Negotiable
320101		13-MAY-11	FARRELL & ASSOCIATES		504.98			Voided
320102		13-MAY-11	FIDELITY SECURITY LIFE INSURANCE COMPANY		5,824.84			Negotiable
320103		13-MAY-11	GRAINGER		760.00			Negotiable
320104		13-MAY-11	HOME DEPOT USA INC		102.58			Negotiable
320105		13-MAY-11	HYDRO-SCAPE PRODUCTS INC		357.20			Negotiable
320106		13-MAY-11	IRWD-PETTY CASH CUSTODIAN		1,471.64			Negotiable
320107		13-MAY-11	JOHNSTONE SUPPLY		386.78			Negotiable
320108		13-MAY-11	MOUSE GRAPHICS		1,105.89			Negotiable
320109		13-MAY-11	PRO GROWERS INC		2,235.96			Negotiable
320110		13-MAY-11	REF CONSULTING		13,019.11			Negotiable
320111		13-MAY-11	SUPERMEDIA LLC		69.75			Negotiable
320112		13-MAY-11	TESTAMERICA LABORATORIES, INC		459.90			Negotiable
320113		13-MAY-11	VCI TELCOM INC		1,747.00			Negotiable
320114		13-MAY-11	WECK LABORATORIES INC		120.00			Negotiable
320115		13-MAY-11	A & Y ASPHALT CONTRACTORS INC	PAY	38,585.00			Negotiable
320116		13-MAY-11	A & Y ASPHALT CONTRACTORS INC	PAY	43,585.00			Negotiable
320117		13-MAY-11	WOOD BROS., INC.	LEMOORE	537,931.60			Negotiable
320118		16-MAY-11	PACIFIC LIFE INSURANCE CO	PAY	75,336.30			Negotiable

IRWD Ledger      Payment Register For 01-MAY-11 To 31-MAY-11      Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A.      Branch : Los Angeles      Account: Checking AP and PR      Page: 5  
 Bank Account Currency: USD ( US Dollar )      Payment Currency: USD ( US Dollar )  
 Payment Type: All      Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320119		17-MAY-11	AARP HEALTH CARE OPTIONS		210.92			Voided
320120		17-MAY-11	ACTION ELECTRIC CORP		881.44			Negotiable
320121		17-MAY-11	AIRGAS-WEST, INC.		985.58			Negotiable
320122		17-MAY-11	APCO GRAPHICS INC		108.75			Negotiable
320123		17-MAY-11	ARC		177.26			Negotiable
320124		17-MAY-11	AST CORPORATION		947,925.54			Voided
320125		17-MAY-11	AYRES HOTEL AND SUITES (DBA)		12,305.40			Negotiable
320126		17-MAY-11	BANK OF AMERICA		19,460.56			Voided
320127		17-MAY-11	BDC SPECIAL WASTE		150.00			Voided

320128	17-MAY-11	BILL'S SWEEPING SERVICE INC	770.00	Voiced
320129	17-MAY-11	BLACK & VEATCH CORPORATION	468,686.21	Voiced
320130	17-MAY-11	BRENNFAG PACIFIC INC	11,255.63	Voiced
320131	17-MAY-11	BTA ADVISORY GROUP	75,336.30	Voiced
320132	17-MAY-11	C WELLS PIPELINE MATERIALS INC	685.99	Voiced
320133	17-MAY-11	CAL WATER PURIFICATION	80.00	Voiced
320134	17-MAY-11	CALIFORNIA BARRICADE INC	823.88	Voiced
320135	17-MAY-11	CALIFORNIA URBAN WATER CONSERVATION COUNCIL	582.62	Voiced
320136	17-MAY-11	CANON FINANCIAL SERVICES INC	499.10	Voiced
320137	17-MAY-11	CAPTIVE AUDIENCE MARKETING INC.	85.91	Voiced
320138	17-MAY-11	CDW GOVERNMENT LLC	432.01	Voiced
320139	17-MAY-11	COASTAL TRAFFIC SYSTEMS, INC	550.00	Voiced
320140	17-MAY-11	COASTAL TRAFFIC SYSTEMS, INC	600.00	Voiced
320141	17-MAY-11	CONEYBEARE INC	516.38	Voiced
320142	17-MAY-11	CREDENTIAL CHECK CORPORATION	114.00	Voiced
320143	17-MAY-11	DELPHIN COMPUTER SUPPLY	1,986.91	Voiced
320144	17-MAY-11	DRIVELINES UNLIMITED	221.12	Voiced
320145	17-MAY-11	EAST ORANGE COUNTY WATER DISTRICT	305.90	Voiced
320146	17-MAY-11	EHS INTERNATIONAL, INC	1,107.50	Voiced
320147	17-MAY-11	EMPLOYEE BENEFIT SPECIALIST, INC	730.00	Voiced
320148	17-MAY-11	FARRELL & ASSOCIATES	1,401.90	Voiced
320149	17-MAY-11	FIRST HEALTH LIFE AND HEALTH INSURANCE COMPANY	42.60	Voiced

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 6  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320150		17-MAY-11	FISHER SCIENTIFIC COMPANY LLC		221.36			Voiced
320151		17-MAY-11	GANAHL LUMBER CO.		137.57			Voiced
320152		17-MAY-11	HARMSWORTH ASSOCIATES		4,460.00			Voiced
320153		17-MAY-11	HILL BROTHERS CHEMICAL COMPANY		12,310.14			Voiced
320154		17-MAY-11	HOME DEPOT USA INC		496.61			Voiced
320155		17-MAY-11	HUMANA INSURANCE COMPANY		25.20			Voiced
320156		17-MAY-11	IRVINE PIPE & SUPPLY INC		989.64			Voiced
320157		17-MAY-11	JOHN MICHAEL COVAS		96.50			Voiced
320158		17-MAY-11	KEY EQUIPMENT FINANCE		3,443.32			Voiced
320159		17-MAY-11	LSA ASSOCIATES INC		630.00			Voiced
320160		17-MAY-11	MARYANNE DANIEL FAMILY TRUST		15,000.00			Voiced
320161		17-MAY-11	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		83,600.00			Voiced
320162		17-MAY-11	NATIONAL READY MIXED CONCRETE CO		2,906.35			Voiced
320163		17-MAY-11	OCE FINANCIAL SERVICES INC.		563.42			Voiced
320164		17-MAY-11	OLIN COREPORATION		54,043.10			Voiced
320165		17-MAY-11	ONESOURCE DISTRIBUTORS LLC		132.61			Voiced
320166		17-MAY-11	ORANGE COUNTY AUTO PARTS CO		70.33			Voiced
320167		17-MAY-11	PACIFIC COAST BOLT CORP		2,296.80			Voiced
320168		17-MAY-11	PACIFIC TECHNOLOGIES INC		12,924.26			Voiced
320169		17-MAY-11	PRUDENTIAL OVERALL SUPPLY		771.81			Voiced
320170		17-MAY-11	QUICKEL PAVING INC		350.00			Voiced
320171		17-MAY-11	RAINBOW DISPOSAL CO INC		437.39			Voiced
320172		17-MAY-11	REED, JAMES D		1,926.14			Voiced
320173		17-MAY-11	RESPONSE ENVELOPE,		107.93			Voiced

320174	17-MAY-11	INC SANTA MARGARITA WATER DISTRICT		3,000.00		Voided
320175	17-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY		171,367.99		Voided
320176	17-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY		2,375.56		Voided
320177	17-MAY-11	SOUTHERN CALIFORNIA SECURITY CENTER, INC.		296.15		Voided
320178	17-MAY-11	SPARKLETT'S		125.66		Voided

IRWD Ledger      Payment Register For 01-MAY-11 To 31-MAY-11      Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A.      Branch : Los Angeles      Account: Checking AP and PR      Page: 7  
 Bank Account Currency: USD ( US Dollar )      Payment Currency: USD ( US Dollar )  
 Payment Type: All      Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320179	17-MAY-11	TRUGREEN LANDCARE LLC			95.02			Voided
320180	17-MAY-11	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA			735.00			Voided
320181	17-MAY-11	UNITED STATES POST OFFICE			30,000.00			Voided
320182	17-MAY-11	UTILITY SYSTEMS SCIENCE & SOFTWARE INC.			870.00			Voided
320183	17-MAY-11	WASTE MANAGEMENT OF ORANGE COUNTY			146.60			Voided
320184	17-MAY-11	WAXIE'S ENTERPRISES, INC			907.58			Voided
320185	17-MAY-11	YRC INC			106.85			Voided
320186	17-MAY-11	BANK OF AMERICA	SAN FRANCISCO		19,460.56			Negotiable
320187	17-MAY-11	EHS	FOOTHILL		1,107.50			Negotiable
320188	17-MAY-11	INTERNATIONAL, INC RANCH MUNICIPAL WATER FOUNTAIN DISTRICT OF ORANGEVALLEY COUNTY			83,600.00			Negotiable
320189	17-MAY-11	PACIFIC COAST BOILTPAY CORP			2,296.80			Negotiable
320190	17-MAY-11	AARP HEALTH CARE OPTIONS			210.92			Negotiable
320191	17-MAY-11	AST CORPORATION			874,918.44			Voided
320192	17-MAY-11	BDC SPECIAL WASTE			150.00			Negotiable
320193	17-MAY-11	BILL'S SWEEPING SERVICE INC			770.00			Negotiable
320194	17-MAY-11	BLACK & VEATCH CORPORATION			468,686.21			Negotiable
320195	17-MAY-11	BRENNTAG PACIFIC INC			11,255.63			Negotiable
320196	17-MAY-11	C WELLS PIPELINE MATERIALS INC			685.99			Negotiable
320197	17-MAY-11	CAL WATER PURIFICATION			80.00			Negotiable
320198	17-MAY-11	CALIFORNIA HARRICADE INC			823.88			Negotiable
320199	17-MAY-11	CALIFORNIA URBAN WATER CONSERVATION COUNCIL			582.62			Negotiable
320200	17-MAY-11	CANON FINANCIAL SERVICES INC			499.10			Negotiable
<input type="checkbox"/> 320201	17-MAY-11	CAPTIVE AUDIENCE MARKETING INC.			85.91			Negotiable
320202	17-MAY-11	CDN GOVERNMENT LLC			432.01			Negotiable
320203	17-MAY-11	COASTAL TRAFFIC SYSTEMS, INC			550.00			Negotiable
320204	17-MAY-11	COASTAL TRAFFIC SYSTEMS, INC			600.00			Negotiable
320205	17-MAY-11	CONEYBEARE INC			516.38			Negotiable

IRWD Ledger      Payment Register For 01-MAY-11 To 31-MAY-11      Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A.      Branch : Los Angeles      Account: Checking AP and PR      Page: 8  
 Bank Account Currency: USD ( US Dollar )      Payment Currency: USD ( US Dollar )  
 Payment Type: All      Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320206	17-MAY-11	CREDENTIAL CHECK CORPORATION			114.00			Negotiable
320207	17-MAY-11	DELPHIN COMPUTER SUPPLY			1,986.91			Negotiable
320208	17-MAY-11	DEZURIK INC			2,343.56			Negotiable

320209	17-MAY-11	DRIVELINES UNLIMITED	221.12	Negotiable
320210	17-MAY-11	EAST ORANGE COUNTY WATER DISTRICT	305.90	Negotiable
320211	17-MAY-11	EMPLOYEE BENEFIT SPECIALIST, INC	730.00	Negotiable
320212	17-MAY-11	FARRELL & ASSOCIATES	1,656.75	Negotiable
320213	17-MAY-11	FIRST HEALTH LIFE AND HEALTH INSURANCE COMPANY	42.60	Negotiable
320214	17-MAY-11	FISHER SCIENTIFIC COMPANY LLC	483.01	Negotiable
320215	17-MAY-11	GANAHL LUMBER CO.	137.57	Negotiable
320216	17-MAY-11	GRAINGER	167.69	Negotiable
320217	17-MAY-11	HARMSWORTH ASSOCIATES	4,460.00	Negotiable
320218	17-MAY-11	HILL BROTHERS CHEMICAL COMPANY	12,310.14	Negotiable
320219	17-MAY-11	HOME DEPOT USA INC	550.91	Negotiable
320220	17-MAY-11	HUMANA INSURANCE COMPANY	25.20	Negotiable
320221	17-MAY-11	IRVINE PIPE & SUPPLY INC	989.64	Negotiable
320222	17-MAY-11	JOHN G. ALEVIZOS D.O. INC.	60.00	Negotiable
320223	17-MAY-11	JOHN MICHAEL COVAS	96.50	Negotiable
320224	17-MAY-11	KEY EQUIPMENT FINANCE	3,443.32	Negotiable
320225	17-MAY-11	LSA ASSOCIATES INC	630.00	Negotiable
320226	17-MAY-11	MARYANNE DANIEL FAMILY TRUST	15,000.00	Negotiable
320227	17-MAY-11	NATIONAL READY MIXED CONCRETE CO	2,906.35	Negotiable
320228	17-MAY-11	OCE FINANCIAL SERVICES INC.	563.42	Negotiable
320229	17-MAY-11	OLIN CORPORATION	54,043.10	Negotiable
320230	17-MAY-11	ONESOURCE DISTRIBUTORS LLC	132.61	Negotiable
320231	17-MAY-11	ORANGE COUNTY AUTO PARTS CO	70.33	Negotiable
320232	17-MAY-11	PACIFIC TECHNOLOGIES INC	12,924.26	Voided
320233	17-MAY-11	PRUDENTIAL OVERALL SUPPLY	771.81	Negotiable
320234	17-MAY-11	QUICKEL PAVING INC	350.00	Negotiable
320235	17-MAY-11	RAINBOW DISPOSAL CO INC	437.39	Negotiable
320236	17-MAY-11	REED, JAMES D	1,926.14	Negotiable

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 9  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320237		17-MAY-11	RESPONSE ENVELOPE, INC		107.93			Negotiable
320238		17-MAY-11	SANTA MARGARITA WATER DISTRICT		3,000.00			Voided
320239		17-MAY-11	SHAMROCK SUPPLY CO INC		379.97			Negotiable
320240		17-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY		2,375.56			Negotiable
320241		17-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY		179,662.96			Negotiable
320242		17-MAY-11	SOUTHERN CALIFORNIA SECURITY CENTER, INC.		296.15			Negotiable
320243		17-MAY-11	SPARKLETTS		125.66			Negotiable
320244		17-MAY-11	TROPICAL PLAZA NURSERY INC		1,395.00			Negotiable
320245		17-MAY-11	TRUGREEN LANDCARE LLC		95.02			Negotiable
320246		17-MAY-11	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA		735.00			Negotiable
320247		17-MAY-11	UNITED STATES POST OFFICE		30,000.00			Negotiable
320248		17-MAY-11	UTILITY SYSTEMS SCIENCE & SOFTWARE INC.		870.00			Negotiable
320249		17-MAY-11	WASTE MANAGEMENT OF ORANGE COUNTY		146.60			Negotiable
320250		17-MAY-11	WAXIE'S ENTERPRISES, INC		907.58			Negotiable
320251		17-MAY-11	WEST COAST SAFETY		937.09			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
320252		17-MAY-11	SUPPLY INC YRC INC		106.85			Negotiable
320253		19-MAY-11	ANTHEM BLUE CROSS		487.00			Negotiable
320254		19-MAY-11	CORELOGIC INC		76.00			Negotiable
320255		19-MAY-11	FISHER SCIENTIFIC COMPANY LLC		176.24			Negotiable
320256		19-MAY-11	HILL BROTHERS CHEMICAL COMPANY		405.26			Negotiable
320257		19-MAY-11	ADS LLC		1,291.00			Negotiable
320258		19-MAY-11	AQUA-MBTRIC SALES COMPANY		490.46			Negotiable
320259		19-MAY-11	AQUACRAFT INC		84,795.88			Voided
320260		19-MAY-11	ARMORCAST PRODUCTS COMPANY		6,693.86			Negotiable
320261		19-MAY-11	AST CORPORATION		855,484.44			Negotiable
320262		19-MAY-11	AT&T		160.07			Negotiable
320263		19-MAY-11	AT&T		15.21			Negotiable
320264		19-MAY-11	AYRES HOTEL AND SUITES (DBA)		1,878.15			Negotiable

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 10  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320265		19-MAY-11	BANK OF NEW YORK MELLON TRUST COMPANY NA		1,654.00			Negotiable
320266		19-MAY-11	BELL TOWER FLORIST & GIFTS		101.13			Negotiable
320267		19-MAY-11	BIOMAGIC INC		17,571.47			Negotiable
320268		19-MAY-11	BRENNTAG PACIFIC INC		3,686.20			Negotiable
320269		19-MAY-11	BTF PRECISE MICROBIOLOGY INC.		528.50			Negotiable
320270		19-MAY-11	C WELLS PIPELINE MATERIALS INC		3,712.72			Negotiable
320271		19-MAY-11	CALIFORNIA BARRICADE INC		2,263.68			Negotiable
320272		19-MAY-11	CALIFORNIA MUNICIPAL STATISTICS INC		9,000.00			Negotiable
320273		19-MAY-11	CHUBB FIRE & SECURITY (CA) INC		475.00			Negotiable
320274		19-MAY-11	COASTAL TRAFFIC SYSTEMS, INC		1,500.00			Negotiable
320275		19-MAY-11	CONSEYBEARE INC		1,833.63			Negotiable
320276		19-MAY-11	CR & R INCORPORATED		49.51			Negotiable
320277		19-MAY-11	DRIVELINES UNLIMITED		105.00			Negotiable
320278		19-MAY-11	EAST ORANGE COUNTY WATER DISTRICT		36,347.50			Negotiable
320279		19-MAY-11	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.		4,637.80			Negotiable
320280		19-MAY-11	ENVIRONMENTAL RESOURCE ASSOCIATES		1,313.65			Negotiable
320281		19-MAY-11	EVANS-HYDRO INC		4,039.62			Negotiable
320282		19-MAY-11	FARBELL & ASSOCIATES		198.12			Negotiable
320283		19-MAY-11	FEDEX		1,170.52			Negotiable
320284		19-MAY-11	FISHER SCIENTIFIC COMPANY LLC		372.64			Negotiable
320285		19-MAY-11	GANAHL LUMBER CO.		61.83			Negotiable
320286		19-MAY-11	GEI CONSULTANTS INC		35,616.37			Negotiable
320287		19-MAY-11	GOLDMAN, SACHS & CO		39,768.65			Negotiable
320288		19-MAY-11	GRAINGER		883.94			Negotiable
320289		19-MAY-11	HILL BROTHERS CHEMICAL COMPANY		3,688.00			Negotiable
320290		19-MAY-11	HOME DEPOT USA INC		78.97			Negotiable
320291		19-MAY-11	HUNSAKER & ASSOCIATES IRVINE		2,000.00			Negotiable
320292		19-MAY-11	ION WAVE TECHNOLOGIES		10,000.00			Negotiable

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 11  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320293		19-MAY-11	IRON MOUNTAIN		1,617.56			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
320294		19-MAY-11	IRVINE PIPE & SUPPLY INC		111.88			Negotiable
320295		19-MAY-11	JOHNSTONE SUPPLY		115.23			Negotiable
320296		19-MAY-11	KELLEY BLUE BOOK, INC.		98.00			Negotiable
320297		19-MAY-11	KENNEDY/JENKS CONSULTANTS INC		19,095.53			Voided
320298		19-MAY-11	KIM, SOON TAE		4,500.00			Negotiable
320299		19-MAY-11	KURZ INSTRUMENTS INC		5,460.00			Negotiable
320300		19-MAY-11	MEASUREMENT CONTROL SYSTEMS		4,306.50			Negotiable
320301		19-MAY-11	NATIONAL READY MIXED CONCRETE CO		2,480.86			Negotiable
320302		19-MAY-11	NEW RESOURCES GROUP INC		196.00			Negotiable
320303		19-MAY-11	NINYO & MOORE		1,381.75			Negotiable
320304		19-MAY-11	ON ASSIGNMENT LAB SUPPORT		1,244.80			Negotiable
320305		19-MAY-11	ONESOURCE DISTRIBUTORS LLC		6,660.25			Negotiable
320306		19-MAY-11	ORANGE COUNTY AUTO PARTS CO		195.09			Negotiable
320307		19-MAY-11	ORANGE COUNTY SANITATION		1,670,706.75			Voided
320308		19-MAY-11	ORANGE, COUNTY OF		586.50			Negotiable
320309		19-MAY-11	PACIFIC TECHNOLOGIES INC		8,599.63			Negotiable
320310		19-MAY-11	FARKHOUSE TIRE INC		4,048.19			Negotiable
320311		19-MAY-11	FRAXAIR DISTRIBUTION INC		1,070.37			Negotiable
320312		19-MAY-11	PRUDENTIAL OVERALL SUPPLY		936.21			Negotiable
320313		19-MAY-11	PTI SAND & GRAVEL INC		2,414.90			Negotiable
320314		19-MAY-11	RBF CONSULTING		23,463.28			Negotiable
320315		19-MAY-11	RESPONSE ENVELOPE, INC		1,223.44			Negotiable
320316		19-MAY-11	RINGCLEAR LLC		36.44			Negotiable
320317		19-MAY-11	RJS SOFTWARE SYSTEMS INC		570.00			Negotiable
320318		19-MAY-11	ROSEDALE - RIO BRAVO		3,864.25			Negotiable
320319		19-MAY-11	SANTA ANA BLUE PRINT		1,352.81			Negotiable
320320		19-MAY-11	SANTIAGO AQUEDUCT COMMISSION		10,309.55			Negotiable
320321		19-MAY-11	SEAL ANALYTICAL INC		1,502.75			Negotiable
320322		19-MAY-11	SINI VALLEY LANDFILL AND RECYCLING CENTER		493.48			Negotiable

IRWD Ledger: Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 12  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320323		19-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY		56,551.72			Negotiable
320324		19-MAY-11	SOUTHERN CALIFORNIA SECURITY CENTER, INC.		35.56			Negotiable
320325		19-MAY-11	SPARKLETT'S		282.23			Negotiable
320326		19-MAY-11	SUNNYHILLS RESTORATION		25,000.00			Negotiable
320327		19-MAY-11	TESTAMERICA LABORATORIES, INC		126.00			Negotiable
320328		19-MAY-11	TETRA TECH, INC		11,917.03			Negotiable
320329		19-MAY-11	THE GAS COMPANY		3,854.26			Negotiable
320330		19-MAY-11	UNISAN PRODUCTS		797.54			Negotiable
320331		19-MAY-11	VALIN CORPORATION		549.53			Negotiable
320332		19-MAY-11	VOIT REAL ESTATE SBRVICES		44,002.93			Negotiable
320333		19-MAY-11	VULCAN MATERIALS COMPANY		1,298.68			Negotiable
320334		19-MAY-11	WASTE MANAGEMENT OF ORANGE COUNTY		1,821.87			Negotiable
320335		19-MAY-11	WAXIE'S ENTERPRISES, INC		203.41			Negotiable
320336		19-MAY-11	WESTERN EXTERMINATOR COMPANY		1,565.00			Negotiable
320337		19-MAY-11	WIRELESS WATCHDOGS LLC		1,236.00			Negotiable
320338		19-MAY-11	ZEE MEDICAL		530.30			Negotiable

320339	23-MAY-11	SERVICE CO CITY OF LAKE FOREST	PAY	1,500.00	Negotiable
320340	23-MAY-11	STATE BOARD OF EQUALIZATION	PAY	1,237.00	Negotiable
320341	24-MAY-11	FIDELITY INVESTMENTS	CINCINNATI	440.00	Negotiable
320342	24-MAY-11	FRANCHISE TAX BOARD	SACRAMENTO	1,833.49	Negotiable
320343	24-MAY-11	PERS LONG TERM CARE	PURCHASE_F AY	1,826.79	Negotiable
320344	24-MAY-11	ORDONEZ, CYNTHIA MARIE	SANTA ANA	638.50	Negotiable
320345	24-MAY-11	WILLIAMS, TWYLA	PARKER	788.50	Negotiable
320346	24-MAY-11	THE GAS COMPANY	MONTERY PARK	1,863.12	Negotiable
320347	24-MAY-11	INTERNAL REVENUE SERVICE	FRESNO	25.00	Negotiable
320348	25-MAY-11	Anthony Mossbarger		36.04	Negotiable
320349	25-MAY-11	Beth Beeman		20.00	Negotiable
320350	25-MAY-11	Carl Spangenberg		5.00	Negotiable
320351	25-MAY-11	Cynthia Beck		220.00	Negotiable
320352	25-MAY-11	David Mazzarella		110.64	Negotiable
320353	25-MAY-11	Douglas Reinhart		1,208.50	Negotiable
320354	25-MAY-11	Gretchen Maswadeh		154.53	Negotiable

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 13  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320355		25-MAY-11	Jack Justice		132.00			Negotiable
320356		25-MAY-11	Jonathon Moore		90.00			Negotiable
320357		25-MAY-11	Kelly Welch		61.03			Negotiable
320358		25-MAY-11	Michael Bray		102.35			Negotiable
320359		25-MAY-11	Peer Swan		1,316.96			Negotiable
320360		25-MAY-11	Steven LaMar		531.02			Negotiable
320361		25-MAY-11	ACCURATE MEASUREMENT SYSTEMS INC		1,201.21			Negotiable
320362		25-MAY-11	ACTION ELECTRIC CORP		747.18			Negotiable
320363		25-MAY-11	AGILENT TECHNOLOGIES, INC.		2,643.50			Negotiable
320364		25-MAY-11	AIRGAS-WEST, INC.		2,346.72			Negotiable
320365		25-MAY-11	AST CORPORATION		42,852.60			Negotiable
320366		25-MAY-11	AT&T		40.38			Negotiable
320367		25-MAY-11	AT&T		143.40			Negotiable
320368		25-MAY-11	AT&T		41.25			Negotiable
320369		25-MAY-11	AT&T		6,199.95			Negotiable
320370		25-MAY-11	AT&T		15.21			Negotiable
320371		25-MAY-11	BANK OF AMERICA MERRILL LYNCH		18,123.29			Negotiable
320372		25-MAY-11	BANK OF NEW YORK MELLON TRUST COMPANY NA		75.00			Negotiable
320373		25-MAY-11	BATTERY SPECIALTIES		3,161.35			Negotiable
320374		25-MAY-11	BELL PIPE & SUPPLY CO		193.16			Negotiable
320375		25-MAY-11	BORCHARD SURVEYING & MAPPING, INC.		15,622.50			Negotiable
320376		25-MAY-11	BRENNTAG PACIFIC INC		8,076.80			Negotiable
320377		25-MAY-11	BUSH & ASSOCIATES INC		5,896.00			Negotiable
320378		25-MAY-11	BUTIER ENGINEERING INC		23,520.00			Negotiable
320379		25-MAY-11	CALIFORNIA BARRICADE INC		3,111.84			Negotiable
320380		25-MAY-11	CALIFORNIA MUNICIPAL TREASURERS ASSOCIATION		9,000.00			Voided
320381		25-MAY-11	CHECKFREE SERVICES CORP		1,017.25			Negotiable
320382		25-MAY-11	CHECKFREE SERVICES CORP		9,386.08			Negotiable
320383		25-MAY-11	CITY CIRCUIT BREAKERS		461.04			Negotiable
320384		25-MAY-11	CITY OF IRVINE		4,686.45			Negotiable
320385		25-MAY-11	COASTAL TRAFFIC SYSTEMS, INC		2,200.00			Negotiable
320386		25-MAY-11	COMMERCE ENERGY INC		561.17			Negotiable
320387		25-MAY-11	D & G SIGNS		266.43			Negotiable

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 14  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320388		25-MAY-11	DANBRU WIRE & CABLE, INC		4,100.26			Negotiable
320389		25-MAY-11	DCSE INC		4,425.00			Negotiable
320390		25-MAY-11	DEE JASPAR & ASSOCIATES, INC.		68,822.32			Negotiable
320391		25-MAY-11	DIRECTV INC		86.99			Negotiable
320392		25-MAY-11	DLT&V SYSTEMS ENGINEERING INC		72,562.45			Negotiable
320393		25-MAY-11	EMPLOYEE BENEFIT SPECIALIST, INC		735.00			Negotiable
320394		25-MAY-11	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.		5,249.45			Negotiable
320395		25-MAY-11	ENVIRONMENTAL EXPRESS INC		392.19			Negotiable
320396		25-MAY-11	ENVIRONMENTAL RESOURCE ASSOCIATES		1,170.50			Negotiable
320397		25-MAY-11	EVANS-HYDRO INC		450.00			Negotiable
320398		25-MAY-11	EVOLVE MEDIA		13,200.00			Negotiable
320399		25-MAY-11	EXPRESSAIR		295.90			Negotiable
320400		25-MAY-11	FARRELL & ASSOCIATES		87.16			Negotiable
320401		25-MAY-11	FIRST CHOICE SERVICES		3,179.94			Negotiable
320402		25-MAY-11	FISHER SCIENTIFIC COMPANY LLC		277.24			Negotiable
320403		25-MAY-11	FITCH, INC.		9,000.00			Voided
320404		25-MAY-11	G.M. SAGER CONSTRUCTION CO, INC		9,410.00			Negotiable
320405		25-MAY-11	GOOGLE INC.		1,035.12			Negotiable
320406		25-MAY-11	GP ELECTRIC MOTOR SERVICE		7,366.97			Negotiable
320407		25-MAY-11	H2O RESOURCES ENGINEERING INC		5,525.00			Negotiable
320408		25-MAY-11	HARMSWORTH ASSOCIATES		13,835.50			Negotiable
320409		25-MAY-11	HARRINGTON INDUSTRIAL PLASTICS LLC		2,690.69			Negotiable
320410		25-MAY-11	HASLER		386.61			Negotiable
320411		25-MAY-11	HDR ENGINEERING INC		245,855.65			Negotiable
320412		25-MAY-11	HEARTLAND BUSINESS CREDIT CORPORATION		570.58			Negotiable
U 320413		25-MAY-11	HILL BROTHERS CHEMICAL COMPANY		9,838.43			Negotiable
320414		25-MAY-11	HOME DEPOT USA INC		395.95			Negotiable
320415		25-MAY-11	INDUSTRIAL ELECTRIC MACHINERY LLC		5,156.62			Negotiable
320416		25-MAY-11	IRVINE PIPE & SUPPLY INC		915.99			Negotiable

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 15  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320417		25-MAY-11	IRWD-PETTY CASH CUSTODIAN		984.83			Negotiable
320418		25-MAY-11	JCI JONES		14,741.50			Negotiable
320419		25-MAY-11	CHEMICALS INC		6,350.53			Negotiable
320420		25-MAY-11	JONES & STOKES ASSOCIATES, INC		2,462.50			Negotiable
320421		25-MAY-11	KAZARIANS & ASSOCIATES, INC.		76,988.66			Negotiable
320422		25-MAY-11	KENNEDY/JENKS CONSULTANTS INC		7,171.56			Negotiable
320423		25-MAY-11	LEWIS OPERATING CORP		1,882.97			Negotiable
320424		25-MAY-11	LSA ASSOCIATES INC		5,357.72			Negotiable
320425		25-MAY-11	LUBRICATION ENGINEERS, INC.		3,358.43			Negotiable
320426		25-MAY-11	MALCOLM FIRNIE INC		5,300.26			Negotiable
320427		25-MAY-11	MANIACI GIANCARLO		4,112.50			Negotiable
320428		25-MAY-11	MARKET-THINK LLC		661.61			Negotiable
320429		25-MAY-11	MC MASTER CARR SUPPLY CO		6,459.75			Negotiable
320430		25-MAY-11	MEASUREMENT CONTROL SYSTEMS		1,686.41			Negotiable



320431	25-MAY-11	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	20,900.00	Negotiable
320432	25-MAY-11	NATIONAL READY MIXED CONCRETE CO	358.27	Negotiable
320433	25-MAY-11	NEPTUNE RESEARCH INC	5,399.77	Negotiable
320434	25-MAY-11	OLIN CORPORATION	3,903.85	Negotiable
320435	25-MAY-11	ON ASSIGNMENT LAB SUPPORT	4,979.20	Negotiable
320436	25-MAY-11	ONESOURCE DISTRIBUTORS LLC	105.60	Negotiable
320437	25-MAY-11	ORACLE AMERICA, INC.	35,658.10	Negotiable
320438	25-MAY-11	ORANGE COUNTY FIRE PROTECTION	2,340.00	Voided
320439	25-MAY-11	ORANGE COUNTY VECTOR CONTROL DISTRICT	250.08	Voided
320440	25-MAY-11	ORANGE, COUNTY OF	742.50	Negotiable
320441	25-MAY-11	PACIFIC COAST BOLT CORP	1,255.51	Negotiable
320442	25-MAY-11	PACIFIC PARTS & CONTROLS INC	1,826.85	Negotiable
320443	25-MAY-11	PAUL E BRADLEY INC	11,947.50	Negotiable
320444	25-MAY-11	PAYNE & FEARS LLP	2,970.00	Negotiable
320445	25-MAY-11	PERKINELMER HEALTH SCIENCES INC	1,253.52	Negotiable
320446	25-MAY-11	PINNACLE LANDSCAPE COMPANY	1,445.00	Negotiable
320447	25-MAY-11	PINNACLE TOWERS LLC	1,094.88	Negotiable

IRWD Ledger      Payment Register For 01-MAY-11 To 31-MAY-11      Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A.      Branch : Los Angeles      Account: Checking AP and PR      Page: 16  
 Bank Account Currency: USD ( US Dollar )      Payment Currency: USD ( US Dollar )  
 Payment Type: All      Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320448		25-MAY-11	POLLARDWATER.COM		2,871.46			Negotiable
320449		25-MAY-11	PRAKAIR DISTRIBUTION INC		1,043.50			Negotiable
320450		25-MAY-11	PRINCIPAL LIFE INSURANCE		12,730.01			Negotiable
320451		25-MAY-11	PRO GROWERS INC		5,182.54			Negotiable
320452		25-MAY-11	PSOMAS		60,226.91			Negotiable
320453		25-MAY-11	PTI SAND & GRAVEL INC		1,014.37			Negotiable
320454		25-MAY-11	QUALITY ENVIRONMENTAL		1,526.06			Negotiable
320455		25-MAY-11	RAM AIR ENGINEERING INC		6,468.98			Negotiable
320456		25-MAY-11	REF CONSULTING		3,912.86			Negotiable
320457		25-MAY-11	RESPONSE ENVELOPE, INC		1,295.21			Negotiable
320458		25-MAY-11	RRM DESIGN GROUP		20,251.39			Negotiable
320459		25-MAY-11	SANDERS PAVING INC		9,982.00			Negotiable
320460		25-MAY-11	SANTA ANA CITY OF		69.46			Voided
320461		25-MAY-11	SECURTEC DISTRICT PATROL INC		3,500.00			Voided
320462		25-MAY-11	SHAMROCK SUPPLY CO INC		779.04			Voided
320463		25-MAY-11	SOUTH COAST WATER		40.00			Voided
320464		25-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY		33.73			Voided
320465		25-MAY-11	SPECTER INSTRUMENTS		790.00			Voided
320466		25-MAY-11	STANDARD & POOR'S FINANCIAL SERVICES LLC		5,000.00			Voided
320467		25-MAY-11	STANTEC CONSULTING SERVICES INC.		34,104.14			Voided
320468		25-MAY-11	STEEL UNLIMITED INC		777.31			Voided
320469		25-MAY-11	TESTAMERICA LABORATORIES, INC		105.00			Voided
320470		25-MAY-11	THE GAS COMPANY		405.98			Voided
320471		25-MAY-11	TRANSDYN INC		4,146.00			Voided
320472		25-MAY-11	TROPICAL PLAZA NURSERY INC		35,599.58			Voided
320473		25-MAY-11	TRUGREEN LANDCARE LLC		22,760.74			Voided
320474		25-MAY-11	UNITED PARCEL SERVICE INC		170.09			Voided
320475		25-MAY-11	VA CONSULTING, INC		6,931.50			Voided
320476		25-MAY-11	VERIZON CALIFORNIA INC		14.62			Voided
320477		25-MAY-11	VULCAN MATERIALS COMPANY		1,322.14			Voided
320478		25-MAY-11	WAXIE'S		2,071.13			Voided

320479 25-MAY-11 ENTERPRISES, INC 870.00 Voided  
 WECK LABORATORIES  
 INC

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 17  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320480		25-MAY-11	WIRELESS WATCHDOGS LLC		1,256.00			Voided
320481		25-MAY-11	ZEE MEDICAL SERVICE CO		224.63			Voided
320482		25-MAY-11	AT&T		746.27			Negotiable
320483		25-MAY-11	BILL'S SWEEPING SERVICE INC		440.00			Negotiable
320484		25-MAY-11	BRITHINEE ELECTRIC		9,799.92			Negotiable
320485		25-MAY-11	MISCO		46,621.12			Negotiable
320486		25-MAY-11	PATTEN SYSTEMS INC		1,098.82			Negotiable
320487		25-MAY-11	SANTA ANA CITY OF		69.46			Negotiable
320488		25-MAY-11	SECURTEC DISTRICT PATROL INC		3,500.00			Negotiable
320489		25-MAY-11	SHAMROCK SUPPLY CO INC		779.04			Negotiable
320490		25-MAY-11	SOUTH COAST WATER		40.00			Negotiable
320491		25-MAY-11	SOUTHERN CALIFORNIA EDISON COMPANY		33.73			Negotiable
320492		25-MAY-11	SPECTER INSTRUMENTS		790.00			Negotiable
320493		25-MAY-11	STANDARD & POOR'S FINANCIAL SERVICES LLC		5,000.00			Negotiable
320494		25-MAY-11	STANTEC CONSULTING SERVICES INC.		34,104.14			Negotiable
320495		25-MAY-11	STEEL UNLIMITED INC		777.31			Negotiable
320496		25-MAY-11	TESTAMERICA LABORATORIES, INC		297.15			Negotiable
320497		25-MAY-11	THE GAS COMPANY		405.98			Negotiable
320498		25-MAY-11	TRANSDYN INC		4,146.00			Negotiable
320499		25-MAY-11	TROPICAL PLAZA NURSERY INC		35,599.58			Negotiable
320500		25-MAY-11	TRUGREEN LANDCARE LLC		22,760.74			Negotiable
320501		25-MAY-11	UNITED PARCEL SERVICE INC		170.09			Negotiable
320502		25-MAY-11	VA CONSULTING, INC		6,931.50			Negotiable
320503		25-MAY-11	VERIZON CALIFORNIA INC		14.62			Negotiable
320504		25-MAY-11	VULCAN MATERIALS COMPANY		1,322.14			Negotiable
320505		25-MAY-11	WAXIE'S ENTERPRISES, INC		2,071.13			Negotiable
320506		25-MAY-11	WECK LABORATORIES INC		870.00			Negotiable
320507		25-MAY-11	WIRELESS WATCHDOGS LLC		1,256.00			Negotiable
320508		25-MAY-11	ZEE MEDICAL SERVICE CO		224.63			Negotiable
320509		26-MAY-11	AIRGAS-WEST, INC.		115.43			Negotiable
320510		26-MAY-11	AT&T		78.99			Negotiable
320511		26-MAY-11	AT&T		45.63			Negotiable
320512		26-MAY-11	AT&T		652.53			Negotiable

IRWD Ledger Payment Register For 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 18  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
320513		26-MAY-11	AT&T INTERNET SERVICES		77.47			Negotiable
320514		26-MAY-11	AYRES HOTEL AND SUITES (DBA)		1,977.00			Negotiable
320515		26-MAY-11	BRUDEVOLD, LBIF		2,070.06			Negotiable
320516		26-MAY-11	C WELLS PIPELINE MATERIALS INC		625.31			Negotiable
320517		26-MAY-11	CALIFORNIA BANK & TRUST		22,487.92			Negotiable
320518		26-MAY-11	CALIFORNIA BARRICADE INC		184.87			Negotiable
320519		26-MAY-11	CONTROLLED KEY SYSTEMS INC		109.87			Negotiable
320520		26-MAY-11	DUKE'S ROOT CONTROL INC		63,380.12			Voided

320521	26-MAY-11	FITCH, INC.		2,000.00	Negotiable
320522	26-MAY-11	GARZA INDUSTRIES, INC		1,261.50	Negotiable
320523	26-MAY-11	HILLEBRICHT, WARREN K		46.37	Negotiable
320524	26-MAY-11	HOME DEPOT USA INC		681.84	Negotiable
320525	26-MAY-11	II FUELS INC		13,256.47	Negotiable
320526	26-MAY-11	IRVINE PIPE & SUPPLY INC		121.10	Negotiable
320527	26-MAY-11	LEATHERWOOD CONSTRUCTION INC		604,781.46	Negotiable
320528	26-MAY-11	MICHAELS, ROSS & COLE LPD		6,000.00	Negotiable
320529	26-MAY-11	NEPTUNE TECHNOLOGY		36,587.85	Negotiable
320530	26-MAY-11	ORANGE COUNTY FIRE PROTECTION		1,705.00	Negotiable
320531	26-MAY-11	ORANGE COUNTY VECTOR CONTROL DISTRICT		250.08	Negotiable
320532	26-MAY-11	OROZCO GUSTAVO		1,933.16	Negotiable
320533	26-MAY-11	PRUDENTIAL OVERALL SUPPLY		23.87	Negotiable
320534	26-MAY-11	R&B AUTOMATION INC		22,832.72	Negotiable
320535	26-MAY-11	SOUTHERN COUNTIES LUBRICANTS LLC		3,497.40	Negotiable
320536	26-MAY-11	STANDARD & POOR'S FINANCIAL SERVICES LLC		9,500.00	Negotiable
320537	26-MAY-11	THE GAS COMPANY		727.87	Negotiable
320538	26-MAY-11	LEATHERWOOD CONSTRUCTION INC	IRVINE 2	67,197.94	Negotiable
□ 320539	27-MAY-11	DUKE'S ROOT CONTROL INC	SYRACUSE	63,380.12	Negotiable
320540	27-MAY-11	II FUELS INC	PAY	18,837.82	Negotiable
320541	27-MAY-11	PSB THE MARKETING SUPERSOURCE	LAKES FOREST	2,643.76	Negotiable

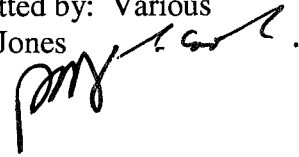
Payment Document Subtotal: 11,359,068.82  
 Payment Register For: 01-MAY-11 To 31-MAY-11 Report Date: 01-JUN-2011 20:53  
 BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 19  
 Bank Account Currency: USD ( US Dollar ) Payment Currency: USD ( US Dollar )  
 Payment Type: All Display Supplier Address: No



June 27, 2011

Prepared and Submitted by: Various

Approved by: Paul Jones



CONSENT CALENDAR

STRATEGIC MEASURES DASHBOARD

SUMMARY:

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

RECOMMENDATION:

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

EXHIBITS:

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



**IRVINE RANCH WATER DISTRICT  
STRATEGIC MEASURES DASHBOARD**

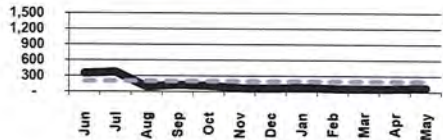
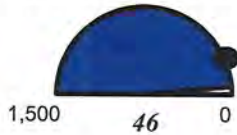
Exhibit "A"

May 2011

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

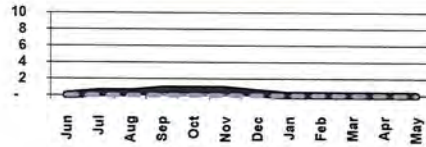
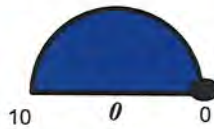
**Reliability-Potable/Nonpotable**

Target = 200 customer hours out of service this month



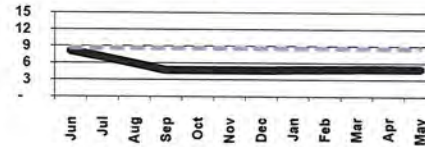
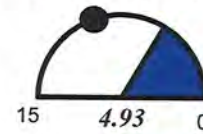
**Sewer Spills**

Target = 0 Spills this month



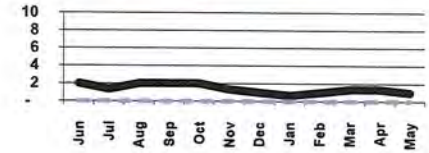
**OCSD CORF Flows**

Target = 8.80 MGD  
CORF flow to OCSD this month



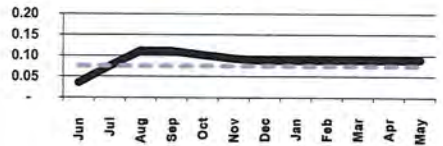
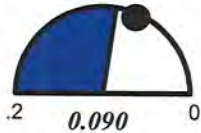
**OSHA Recordables**

Target = 0 reportable accidents this month



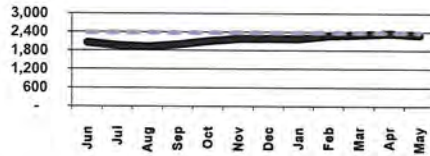
**MWRP Energy Cost per kWh**

Target = .0792 cost per kWh this month



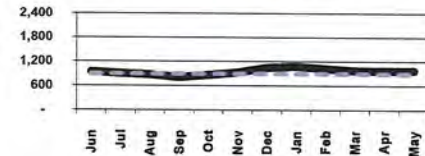
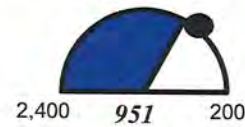
**Wastewater Cost**

Target = \$2,375/MG processed this month



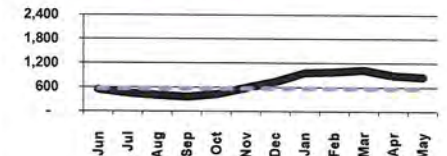
**Water System Cost--Potable**

Target = \$898/ac-ft delivered this month



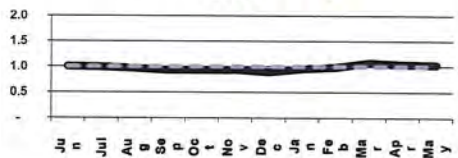
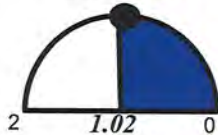
**Water System Cost--Nonpotable**

Target = \$565/ac-ft delivered this month



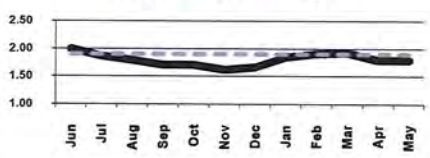
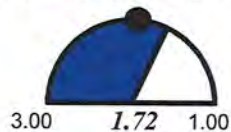
**Enterprise Return**

Target = 1.0 (net income/goal) last month



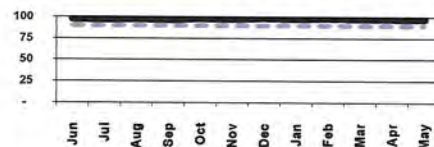
**Overhead Ratio**

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



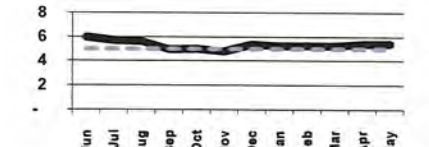
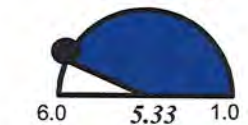
**Customer Satisfaction**

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> June 2010
June 2010	0		<i>Thru:</i> May 2011
July 2010	106.10		<i>Goal:</i> 200.00
August 2010	184.00		
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		



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.

**MONTHLY DATA**

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2010
June 2010	0		<i>Thru:</i> May 2011
July 2010	1.00		<i>Goal:</i> 0
August 2010	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		

IRVINE RANCH WATER DISTRICT  
STRATEGIC MEASURES

***OCSD CORF Flows***

**MONTHLY STATUS REPORT**

Metric Owner: Wayne Posey

Director of Wastewater Operations

Definition of Measure:

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

Method:

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

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

Data Collection

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

Current Issues

1. None

**MONTHLY DATA**

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2010
June 2010	8.43		<i>Thru:</i> May 2011
July 2010	4.68		<i>Goal:</i> 8.62
August 2010	4.68		
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		

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. None

**MONTHLY DATA**

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2010
June 2010	2.00		<i>Thru:</i> May 2011
July 2010	2.00		<i>Goal:</i> 0
August 2010	2.00		
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		

IRVINE RANCH WATER DISTRICT  
STRATEGIC MEASURES

***MWRP Energy Cost per kWh***

**MONTHLY STATUS REPORT**

Metric Owner: Wayne Posey

Director of Wastewater Operations

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. None

**MONTHLY DATA**

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2010
June 2010	.11		<i>Thru:</i> May 2011
July 2010	.12		<i>Goal:</i> .08
August 2010	.11		
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		

IRVINE RANCH WATER DISTRICT  
STRATEGIC MEASURES

***Wastewater Cost***

**MONTHLY STATUS REPORT**

Metric Owner: Wayne Posey

Director of Wastewater Operations

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. None

**MONTHLY DATA**

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2010
June 2010	1,962.00	2,017.00	<i>Thru:</i> May 2011
July 2010	1,821.00	2,340.00	<i>Goal:</i> 2,378.00
August 2010	1,982.00	2,339.00	
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	2,332.00	2,375.00	

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. Information for this Dashboard item was not available at time of submittal due to May being the first complete month in Oracle and the period has not yet closed.

**MONTHLY DATA**

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2010
June 2010	1,018.23	870.57	<i>Thru:</i> May 2011
July 2010	701.23	880.40	<i>Goal:</i> 898.00
August 2010	906.37	814.86	
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	Not available	920.18	

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. Information for this Dashboard item was not available at time of submittal due to May being the first complete month in Oracle and the period has not yet closed.

**MONTHLY DATA**

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<b><i>From:</i></b> June 2010
June 2010	510.12	604.98	<b><i>Thru:</i></b> May 2011
July 2010	326.47	383.34	<b><i>Goal:</i></b> 565.00
August 2010	376.24	397.83	
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	Not available	452.90	

IRVINE RANCH WATER DISTRICT  
STRATEGIC MEASURES

***Enterprise Return***

**MONTHLY STATUS REPORT**

Metric Owner: Jayne George

Debt and Investment Analyst

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. The May measure is above budget at 1.02. The two apartment complexes posted good returns. Waterworks Way & 230 Commerce are under budget; however, due to timing of receipts, the return for the Wireless Communications was considerably over budget for the month bringing the total return into the positive.

**MONTHLY DATA**

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2010
June 2010	1.01		<i>Thru:</i> May 2011
July 2010	.97		<i>Goal:</i> 1.00
August 2010	.93		
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		



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 for this Dashboard item was not available at time of submittal due to May being the first complete month in Oracle and the period has not yet closed.

**MONTHLY DATA**

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2010
June 2010	1.99		<i>Thru:</i> May 2011
July 2010	1.59		<i>Goal:</i> 1.90
August 2010	1.79		
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	Not available		

IRVINE RANCH WATER DISTRICT  
STRATEGIC MEASURES

***Customer Satisfaction***

**MONTHLY STATUS REPORT**

Metric Owner: Gina Jackson

Customer Service Manager

Definition of Measure:

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

Method:

Data Collection

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

Current Issues

1. Total Overall Satisfaction: 98%  
 Satisfaction: 96%  
 Timely: 97%  
 Phone: 99%  
 Field Contact: 100%

**MONTHLY DATA**

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2010
June 2010	100.00		<i>Thru:</i> May 2011
July 2010	95.00		<i>Goal:</i> 90.00
August 2010	100.00		
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		

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 May 2011, 111 surveys have been returned of 292 surveys sent (38%). 98 of 111 respondents (88%) rated satisfaction as 5 or 6 on a scale of 1 to 6. 12 month average rating is 5.28%.

**MONTHLY DATA**

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> June 2010
June 2010	5.89		<i>Thru:</i> May 2011
July 2010	5.23		<i>Goal:</i> 5.00
August 2010	5.75		
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		

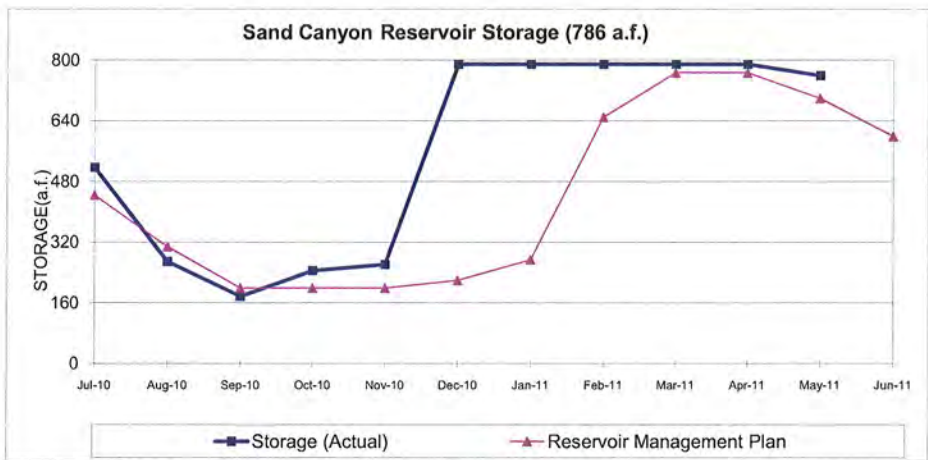


## EXHIBIT "B"

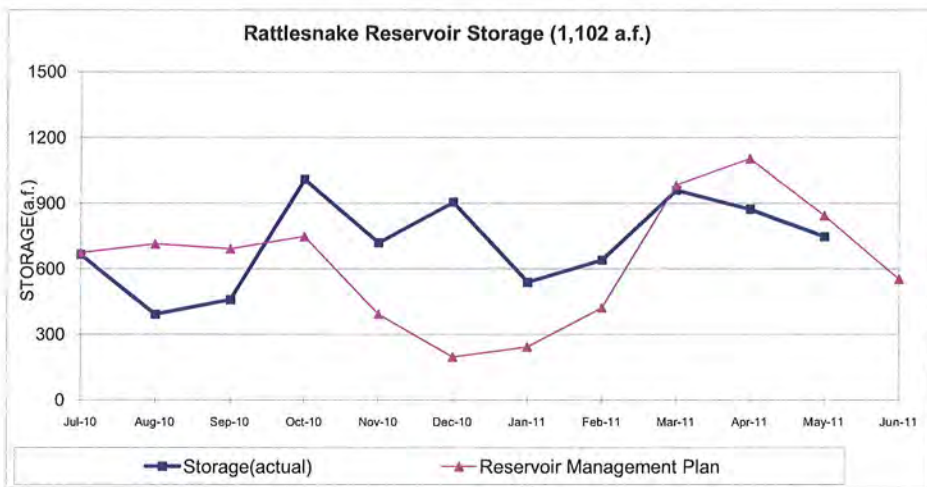
DYER ROAD WELL FIELD STATUS							May-2011
Well Number	Production Mo./YTD	Ref. Point Elevation	Depth to Water 5/31/2011	Water Level-MSL	Depth of Bowls	Bowl Setting-MSL	Feet of Water Above Intake
1	34.8 AF 541.6 AF	34	N/A	N/A	270	-236	N/A
				Static			
2	181.6 AF 1,610.5 AF	37	86	-50	270	-234	184
				Static			
3	0.0 AF 1.9 AF	55	97	-42	215	-160	118
				Static			
4	144.6 AF 1,273.4 AF	38	88	-50	216	-178	128
				Static			
5	205.1 AF 1,232.6 AF	48	97	-49	290	-242	193
				Static			
6	108.8 AF 668.5 AF	43	92	-49	250	-207	158
				Static			
7	113.1 AF 842.9 AF	40	195	-155	290	-250	95
				Static			
C-8 DATS	402.1 AF 4,200.8 AF	37	133	-96	305	-268	172
				pumping			
C-9 DATS	301.3 AF 3,150.6 AF	23	132	-109	305	-282	173
				pumping			
10	342.0 AF 3,016.4 AF	47	153	-106	250	-203	97
				pumping			
11	121.5 AF 856.5 AF	40	92	-52	300	-260	208
				Static			
12	217.6 AF 1,530.1 AF	51	94	-43	300	-249	206
				Static			
13	55.5 AF 367.2 AF	40	86	-46	300	-260	214
				Static			
14	108.7 AF 868.0 AF	47	96	-49	311	-264	215
				Static			
15	379.2 AF 3,265.1 AF	44	147	-103	300	-256	153
				pumping			
16	122.2 AF 767.9 AF	47	87	-40	280	-233	193
				Static			
17	238.2 AF 2,442.2 AF	52	93	-42	250	-199	157
				Static			
18	180.7 AF 1,222.3 AF	45	94	-49	300	-255	206
				Static			
Clear production: 2,553.6 AF for the month FYTD: 20,556.3 AF							
DATS production: 703.4 AF for the month FYTD: 7,351.5 AF							



RESERVOIR DATA FY 10-11

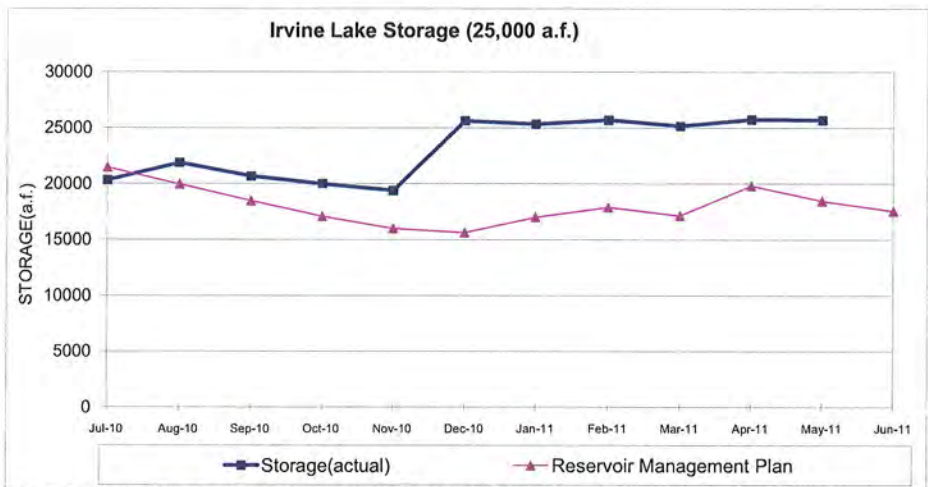


Storage will be under 200 AF by October 1 as required by Regional Board permit. Sand Canyon will draft down over the next few months.

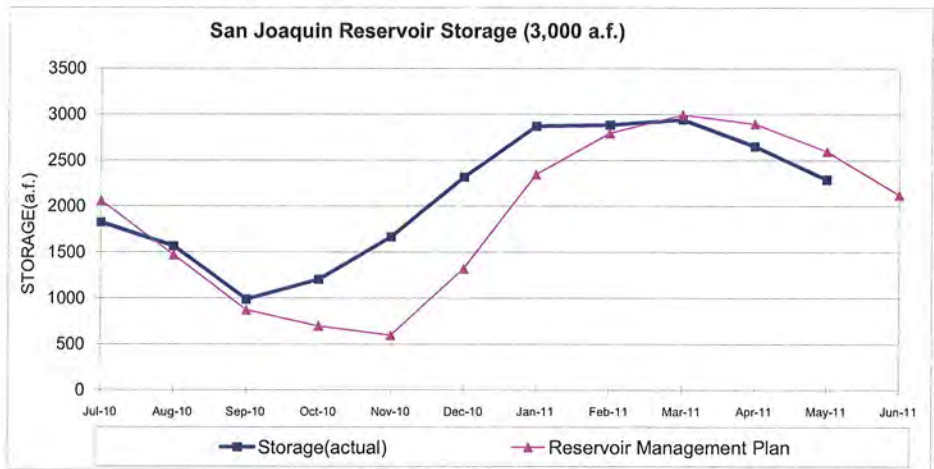


Rattlesnake storage is on track after responding to storms in December and January.

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.

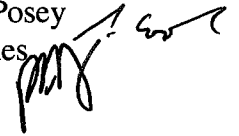


June 27, 2011

Prepared by: Soha Vazirnia

Submitted by: Wayne Posey

Approved by: Paul Jones



## CONSENT CALENDAR

### APPROVAL OF IRWD'S SHARE OF SOCWA'S FISCAL YEAR 2011-12 BUDGET

#### SUMMARY:

The purpose of this item is to present IRWD's share of the South Orange County Wastewater Authority (SOCWA) Fiscal Year 2011-12 Budget in the amount of \$288,740. The FY 2011-12 SOCWA budget reflects an increase of \$91,390 from the FY 2010-11 budget. Staff recommends that the Board approve IRWD's share of the SOCWA budget, as presented.

#### BACKGROUND:

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

Each fiscal year, the SOCWA budget is subject to the approval of each member agencies' respective Board or Council. IRWD's portion of SOCWA's budget for FY 2011-12 is \$288,740 as shown in Exhibit "A". This reflects an increase of \$91,390 from FY 2010-11, which is primarily attributable to IRWD's budgeted increase in Los Alisos Water Recycling Plant (LAWRP) secondary discharge flows to the SOCWA outfall. The SOCWA discharge flow from LAWRP has increased due to greater utilization of recycled water produced at the Michelson Water Recycling Plant (to reduce OCSD discharges) and a correspondingly lower amount of recycled water being produced at LAWRP for FY 2011-12.

#### FISCAL IMPACTS:

Funds are included in IRWD's FY 2011-12 Operating Budget for the Operation and Maintenance Expenses.

#### ENVIRONMENTAL COMPLIANCE:

Not Applicable.

#### COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on June 21, 2011.

RECOMMENDATION:

THAT THE BOARD APPROVE IRWD'S SHARE OF SOCWA'S FISCAL YEAR 2011-12 BUDGET IN THE AMOUNT OF \$288,740.

LIST OF EXHIBITS:

Exhibit "A" – SOCWA Allocation of Costs by Project Committee / Member Agencies FY 2011-12 Budgets

EXHIBIT "A"

ALLOCATION OF COSTS BY PROJECT COMMITTEES/MEMBER AGENCIES  
FISCAL YEAR 2012 BUDGETS

FY Project Committees	TOTAL	CLB	CSC	CSJC	EBSJ	ETWD	IRWD	MNWD	SCWD	SMWD	TCWD
General Fund	\$258,000	\$26,340	\$24,860	\$29,260	\$25,040	\$28,560	\$28,040	\$33,780	\$29,960	\$29,150	\$3,010
PC 2 JB Latham (Dana Point) Treatment Plant Operations	5,266,000	0	0	1,672,800	0	0	0	903,000	1,363,600	1,326,600	0
PC 3(A) MNWD/SMWD Treatment Plant Operations	2,265,000	0	0	0	0	0	0	2,106,200	0	158,800	0
PC 5 Ocean Outfall - (San Juan Creek)	660,000	0	105,800	123,400	0	0	0	79,800	93,400	257,600	0
PC 2 SO - Water Reclamation Permitting	140,000	0	0	11,900	0	0	13,500	52,900	15,200	30,700	15,800
PC 15 - Coastal Treatment Plant Operations	2,416,000	1,114,400	0	0	50,200	0	0	172,200	1,079,200	0	0
PC 17 - Regional Treatment Plant Operations	6,512,000	467,800	0	0	17,800	554,200	0	5,144,400	327,800	0	0
PC 21 - Effluent Transmission Main	226,000	0	0	0	0	62,800	0	100,400	0	0	0
PC 23 - North Coast Interceptor	321,000	308,500	0	0	12,500	0	0	0	0	0	0
PC 24 - Ocean Outfall (Aliso Creek)	546,000	66,500	0	0	2,900	118,600	168,800	150,500	38,700	0	0
Pretreatment Program	256,000	15,600	15,600	33,200	2,300	13,500	15,600	58,400	40,500	61,300	0
Sub-Total FY P.C.'s	18,866,000	1,999,140	146,260	1,870,560	110,740	777,660	288,740	8,801,580	2,988,360	1,864,150	18,810
Capital Project Committees	822,400	0	0	250,800	0	0	0	185,700	212,200	173,700	0
PC 2R JB Latham (Dana Point) Plant Capital Projects	613,900	0	0	0	0	0	0	444,000	0	169,900	0
PC 3(A)R MNWD/SMWD Plant Capital Projects	0	0	0	0	0	0	0	0	0	0	0
PC 5 Ocean Outfall - Capital Projects	1,474,600	559,000	0	0	44,100	0	0	431,300	440,200	0	0
PC 17R - Regional Treatment Plant Capital Projects	1,740,400	73,900	0	0	3,900	129,000	0	1,474,500	59,100	0	0
PC 21 - Effluent Transmission Main	0	0	0	0	0	0	0	0	0	0	0
PC 23 - North Coast Interceptor	210,000	201,400	0	0	8,600	0	0	0	0	0	0
Sub-Total Capital Project Committees	4,861,300	834,300	0	250,800	56,600	129,000	0	2,535,500	711,500	343,600	0
<b>Total Fiscal Year 2012</b>	<b>\$23,727,300</b>	<b>\$2,833,440</b>	<b>\$146,260</b>	<b>\$2,121,360</b>	<b>\$167,340</b>	<b>\$906,660</b>	<b>\$288,740</b>	<b>\$11,337,080</b>	<b>\$3,699,860</b>	<b>\$2,207,750</b>	<b>\$18,810</b>

FISCAL YEAR 2011 BUDGETS

FY Project Committees	TOTAL	CLB	CSC	CSJC	EBSJ	ETWD	IRWD	MNWD	SCWD	SMWD	TCWD
General Fund	\$226,000	\$22,760	\$21,700	\$25,760	\$21,890	\$25,320	\$24,840	\$28,760	\$26,350	\$25,610	\$3,010
PC 2 JB Latham (Dana Point) Treatment Plant Operations	5,112,000	0	0	1,635,800	0	0	0	867,800	1,382,600	1,225,800	0
PC 3(A) MNWD/SMWD Treatment Plant Operations	2,204,000	0	0	0	0	0	0	2,051,000	0	153,000	0
PC 5 Ocean Outfall - (San Juan Creek)	632,000	0	105,000	121,200	0	0	0	83,800	95,000	227,000	0
PC 2 SO - Water Reclamation Permitting	168,000	0	0	15,200	0	0	17,200	60,400	19,400	38,100	17,700
PC 15 - Coastal Treatment Plant Operations	2,342,000	995,600	0	0	41,200	0	0	138,000	1,167,200	0	0
PC 17 - Regional Treatment Plant Operations	6,392,000	436,400	0	0	15,400	649,600	0	4,911,800	378,800	0	0
PC 21 - Effluent Transmission Main	102,000	0	0	0	0	40,800	40,800	20,400	0	0	0
PC 23 - North Coast Interceptor	321,000	308,530	0	0	12,470	0	0	0	0	0	0
PC 24 - Ocean Outfall (Aliso Creek)	516,000	77,400	0	0	3,000	138,000	100,600	148,800	48,200	0	0
Pretreatment Program	220,000	13,910	13,910	22,330	1,390	11,180	13,910	48,750	38,280	56,340	0
Sub-Total FY P.C.'s	18,235,000	1,854,600	140,610	1,820,290	95,350	864,900	197,350	8,359,510	3,155,830	1,725,850	20,710
Capital Project Committees	3,899,400	0	0	1,197,800	0	0	0	896,000	1,100,600	705,000	0
PC 2R JB Latham (Dana Point) Plant Capital Projects	1,625,000	0	0	0	0	0	0	1,168,000	0	457,000	0
PC 5 Ocean Outfall - Capital Projects	210,000	0	34,900	23,270	0	0	0	32,570	26,190	93,070	0
PC 15R - Coastal Treatment Plant Capital Projects	1,082,800	154,900	0	0	12,200	0	0	119,600	796,100	0	0
PC 17R - Regional Treatment Plant Capital Projects	933,100	61,000	0	0	3,200	110,800	0	709,400	48,700	0	0
PC 21 - Effluent Transmission Main	0	0	0	0	0	0	0	0	0	0	0
PC 23 - North Coast Interceptor	270,000	258,870	0	0	11,130	0	0	0	0	0	0
Sub-Total Capital Project Committees	8,020,300	474,770	34,900	1,221,070	26,530	110,800	0	2,925,570	1,971,590	1,255,070	0
<b>Total Fiscal Year 2011</b>	<b>\$26,255,300</b>	<b>\$2,329,370</b>	<b>\$175,510</b>	<b>\$3,041,360</b>	<b>\$121,880</b>	<b>\$975,700</b>	<b>\$197,350</b>	<b>\$11,286,080</b>	<b>\$5,127,420</b>	<b>\$2,980,920</b>	<b>\$20,710</b>

EXHIBIT "A-1"

ALLOCATION OF COSTS BY PROJECT COMMITTEES/MEMBER AGENCIES

INCREASE/DECREASE FROM FISCAL YEAR 2011 TO 2012

FY Project Committees	TOTAL	CLB	CSC	CSJC	EBSB	ETWD	IRWD	MNWD	SCWD	SMWD	TCWD
General Fund	\$32,000	\$3,580	\$3,160	\$3,500	\$3,150	\$3,240	\$3,200	\$5,020	\$3,610	\$3,540	\$0
PC 2 JB Latham (Dana Point) Treatment Plant Operations	154,000	0	0	37,000	0	0	0	35,200	(19,000)	100,800	0
PC 3(A) MNWD/SMWD Treatment Plant Operations	61,000	0	0	0	0	0	0	55,200	0	5,800	0
PC 5 Ocean Outfall - (San Juan Creek)	28,000	0	800	2,200	0	0	0	(4,000)	(1,600)	30,600	0
PC 2 SO - Water Reclamation Permitting	(28,000)	0	0	(3,300)	0	0	(3,700)	(7,500)	(4,200)	(7,400)	(1,900)
PC 15 - Coastal Treatment Plant Operations	74,000	118,800	0	0	9,000	0	0	34,200	(88,000)	0	0
PC 17 - Regional Treatment Plant Operations	120,000	31,400	0	0	2,400	(95,400)	0	232,600	(51,000)	0	0
PC 21 - Effluent Transmission Main	124,000	0	0	0	0	22,000	22,000	80,000	0	0	0
PC 23 - North Coast Interceptor	30,000	(30)	0	0	30	0	0	0	0	0	0
PC 24 - Ocean Outfall (Aliso Creek)	36,000	(10,900)	0	0	(100)	(19,400)	68,200	1,700	(9,500)	0	0
Pretreatment Program		1,690	1,690	10,870	910	2,320	1,690	9,650	2,220	4,960	0
Sub-Total FY P.C.'s	631,000	144,540	5,650	50,270	15,390	(87,240)	91,390	442,070	(167,470)	138,300	(1,900)
Capital Project Committees											
PC 2R JB Latham (Dana Point) Plant Capital Projects	(3,077,000)	0	0	(947,000)	0	0	0	(710,300)	(888,400)	(531,300)	0
PC 3(A)R MNWD/SMWD Plant Capital Projects	(1,011,100)	0	0	0	0	0	0	(724,000)	0	(287,100)	0
PC 5 Ocean Outfall - Capital Projects	(210,000)	0	(34,900)	(23,270)	0	0	0	(32,570)	(26,190)	(93,070)	0
PC 15R - Coastal Treatment Plant Capital Projects	391,800	404,100	0	0	31,900	0	0	311,700	(355,900)	0	0
PC 17R - Regional Treatment Plant Capital Projects	807,300	12,900	0	0	700	18,200	0	765,100	10,400	0	0
PC 21 - Effluent Transmission Main	0	0	0	0	0	0	0	0	0	0	0
PC 23 - North Coast Interceptor	(60,000)	(57,470)	0	0	(2,530)	0	0	0	0	0	0
Sub-Total Capital Project Committees	(3,159,000)	359,530	(34,900)	(970,270)	30,070	18,200	0	(390,070)	(1,260,090)	(911,470)	0
<b>Total Increase/Decrease</b>	<b>(\$2,528,000)</b>	<b>\$504,070</b>	<b>(\$29,250)</b>	<b>(\$920,000)</b>	<b>\$45,460</b>	<b>(\$69,040)</b>	<b>\$91,390</b>	<b>\$52,000</b>	<b>(\$1,427,560)</b>	<b>(\$773,170)</b>	<b>(\$1,900)</b>

June 27, 2010

Prepared by: R. Thatcher/M. Hoolihan

Submitted by: G.P. Heiertz

Approved by: Paul Jones

*[Handwritten signatures and initials: "RTH", "MH", "GPH", "PJ", "502"]*

CONSENT CALENDAR

QUITCLAIM OF REAL PROPERTY

SUMMARY:

Business Properties Partnership No. 17 remodeled their retail center located on El Toro Road in the City of Lake Forest. As part of this renovation, numerous changes were made to the water and sewer pipelines within the center. The property owner has requested that the existing water and sewer pipeline easement granted to the former Los Alisos Water District per Book 12153, Page 972 of Official Records of Orange County be quitclaimed. A new easement covering the existing facilities as well as the new facilities was granted to the District May 24, 2011 per Instrument No. 2011000256669 of Official Records. Staff has reviewed and approved the request to quitclaim the old easement. The Resolution authorizing said quitclaim is attached as Exhibit "A", the Quitclaim Deed is attached as Exhibit "B", and a map showing the location of shopping center and quitclaim area is shown on Exhibit "C".

FISCAL IMPACT:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable. Not a project as defined under CEQA.

RECOMMENDED MOTION:

ADOPT THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2010 - \_\_\_\_\_

RESOLUTION OF THE BOARD OF DIRECTORS OF  
IRVINE RANCH WATER DISTRICT  
APPROVING EXECUTION OF THE QUITCLAIM DEED TO  
BUSINESS PROPERTIES PARTNERSHIP NO. 17

LIST OF EXHIBITS:

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



**EXHIBIT "A"**

RESOLUTION NO. 2011 - \_\_\_\_\_

**RESOLUTION OF THE BOARD OF DIRECTORS OF  
IRVINE RANCH WATER DISTRICT  
APPROVING EXECUTION OF THE QUITCLAIM DEED TO  
BUSINESS PROPERTIES PARTNERSHIP NO. 17**

WHEREAS, Business Properties Partnership No. 17, has requested that the Irvine Ranch Water District (IRWD) Board approve the quitclaim of the easement for water and sewer transmission line purposes that was granted to Los Alisos Water District per Book of Official Records of Orange County; and

WHEREAS, numerous changes were made to the existing facilities and additional facilities and connections were installed concurrently with the remodeling of a retail center; and

WHEREAS, a new easement has be granted by the property owner over all of the District facilities; and

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

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

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

NOW, THEREFORE, BE IT RESOLVED, the Quitclaim Deed attached hereto as Exhibit "B" to Business Properties Partnership No. 17, a California general partnership, herein described and hereby is approved and execution by the District's officers is authorized.

ADOPTED, SIGNED and APPROVED this 27th day of June, 2011.

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

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

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

By \_\_\_\_\_





STATE OF CALIFORNIA )

)

COUNTY OF ORANGE )

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

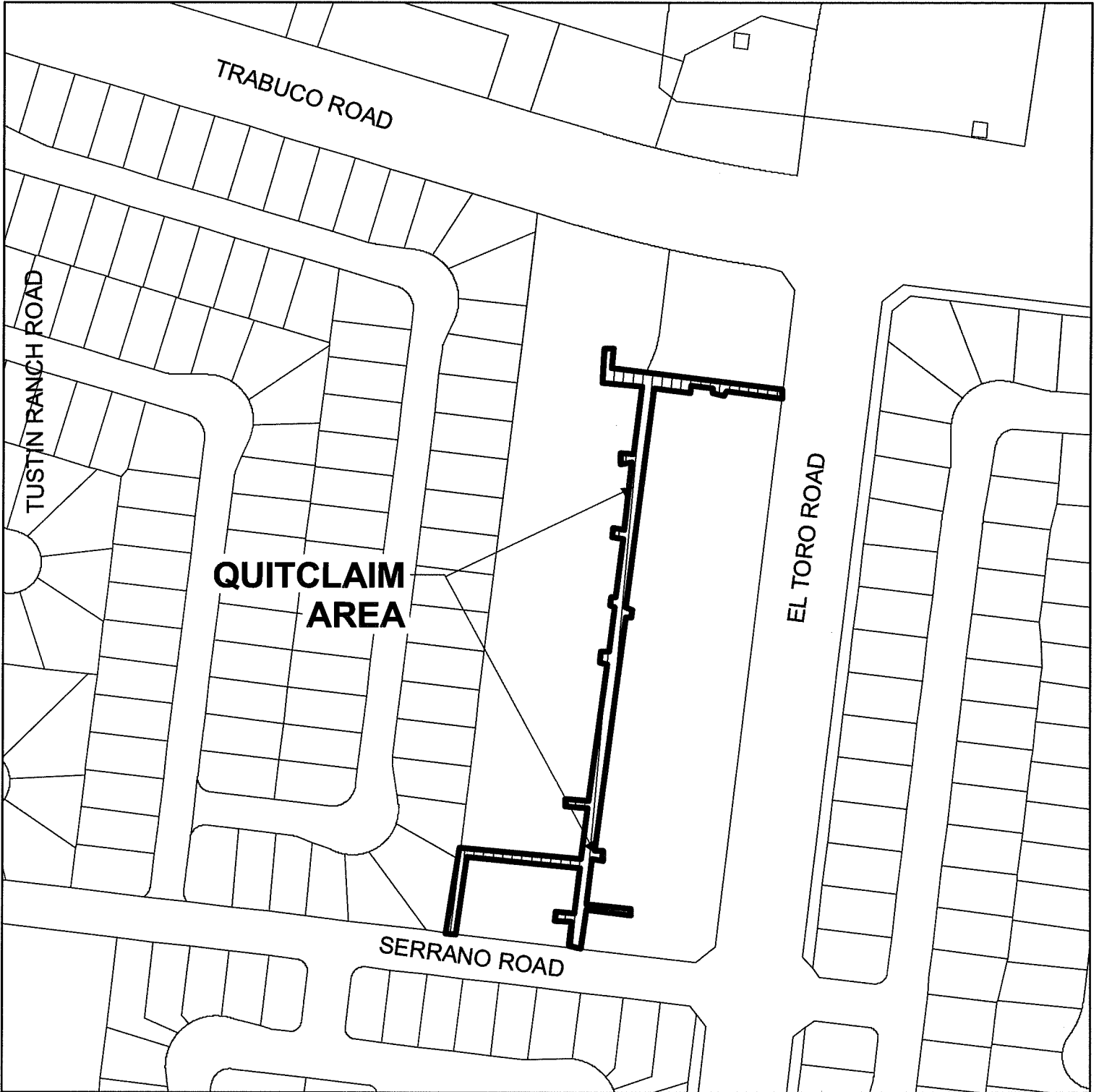
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public in and for said State

(SEAL)

# EXHIBIT "C" LOCATION MAP



**QUITCLAIM OF WATER AND SEWER  
PIPELINE EASEMENT TO  
BUSINESS PROPERTIES PARTNERSHIP NO. 17**



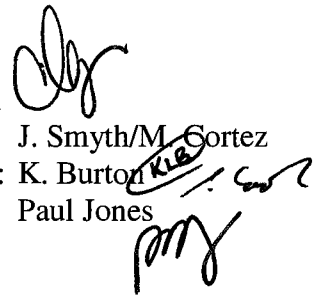


June 27, 2011

Prepared by: J. Smyth/M. Cortez

Submitted by: K. Burton

Approved by: Paul Jones

Handwritten signatures and initials are present in the top right corner. There are three distinct signatures: one at the top right, one in the middle right, and one at the bottom right. The initials 'KLB' are written in a circle next to the middle signature.

## CONSENT CALENDAR

### SYPHON RESERVOIR DAM SLIDE REPAIR BUDGET ADDITION AND EXPENDITURE AUTHORIZATION

#### SUMMARY:

As a result of the heavy rains during the period between December 21, 2010 and January 4, 2011, slope erosion and sloughing occurred near the bench on the downstream embankment of Syphon Reservoir Dam. The design of the slope repair is complete and is being reviewed by the State of California's Division of Safety of Dams for approval of the repair application. In order to fund the design and construction of the slope repair, staff recommends that the Board:

- Authorize the addition of Project 30371 for \$162,300 to the FY 2011-12 Capital Budget; and
- Approve an Expenditure Authorization in the amount of \$162,300 for Project 30371.

#### BACKGROUND:

As a result of the heavy rains during the period between December 21, 2010 and January 4, 2011, slope erosion and sloughing occurred near the bench on the downstream embankment of Syphon Reservoir Dam. The State of California's Division of Safety of Dams (DSOD) required IRWD to perform a limited subsurface investigation to determine whether the sloughing was caused by internal seepage through the dam.

On January 18, 2011, the Board approved Variance No. 2 for Genterra Consultants, Inc. (Genterra) to perform a limited subsurface investigation, interpret the results of the investigation, and provide recommendations for repair of Syphon Reservoir Dam. Genterra completed the investigation and the report was sent to the DSOD for review. DSOD agreed with Genterra's conclusions that the sloughing was surficial and not caused by internal seepage through the dam, and that the dam is globally stable. The DSOD directed IRWD to submit the slope repair design for approval of the repair application.

#### Slope Repair Design and Construction:

Staff awarded a sole source Professional Services Agreement to Genterra in the amount of \$11,010 to complete the design specifications for the slope repair. Genterra completed the slope repair specifications and they were transmitted to the DSOD for review and approval in early June 2011. The DSOD has provided detailed input throughout the design process and staff expects quick approval of the repair application.

The construction will be competitively bid and awarded following the approval of the repair application by the DSOD. The engineer's estimate for the repair work is under \$60,000, therefore within the approval limits of the General Manager.

FISCAL IMPACTS:

The FY 2011-12 Capital Budget does not include the Syphon Reservoir Dam Slide Repair project. Staff requests that Project 30371 for \$162,300 be added to the FY 2011-12 Capital Budget. An Expenditure Authorization to fund the project is requested as shown in the table below and in Exhibit "A".

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
30371	\$-0-	\$162,300	\$162,300	\$-0-	\$162,300	\$162,300

ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15301 which provides exemption for minor alterations of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination. A Notice of Exemption for the project was filed on June 13, 2011.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on June 21, 2011.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE ADDITION OF PROJECT 30371 IN THE AMOUNT OF \$162,300 TO THE FY 2011-12 CAPITAL BUDGET AND APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$162,300 FOR THE SYPHON RESERVOIR DAM SLIDE REPAIR, PROJECT 30371.

LIST OF EXHIBITS:

Exhibit "A" – Expenditure Authorization

# IRVINE RANCH WATER DISTRICT Exhibit "A"

## Expenditure Authorization

Project Name: SYPHON RESERVOIR DAM SLIDE REPAIR  
 Project No: 30371 EA No: 1  
 Project Manager: CORTEZ, MALCOLM  
 Project Engineer: SMYTH, JEFFREY  
 Request Date: June 7, 2011

ID Split: Miscellaneous

### Improvement District (ID) Allocations

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

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$162,300
<b>Total EA Requests:</b>	<b>\$162,300</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$162,300
<b>Updated Budget:</b>	<b>\$162,300</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	2,000	0	2,000	2,000	0	2,000	7/11	7/11
ENGINEERING DESIGN - OUTSIDE	12,000	0	12,000	12,000	0	12,000	7/11	7/11
ENGINEERING - CA&I IRWD	5,000	0	5,000	5,000	0	5,000	7/11	12/11
ENGINEERING - CA&I OUTSIDE	20,000	0	20,000	20,000	0	20,000	7/11	12/11
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	7/11	12/11
ENGINEERING - GIS IRWD	1,000	0	1,000	1,000	0	1,000	7/11	12/11
CONSTRUCTION	100,000	0	100,000	100,000	0	100,000	7/11	12/11
LEGAL	1,000	0	1,000	1,000	0	1,000	7/11	12/11
ENGINEERING ENVIRONMENTAL-OUTS	1,500	0	1,500	1,500	0	1,500	7/11	12/11
Contingency - 10.00% Subtotal	\$14,800	\$0	\$14,800	\$14,800	\$0	\$14,800		
<b>Subtotal (Direct Costs)</b>	<b>\$162,300</b>	<b>\$0</b>	<b>\$162,300</b>	<b>\$162,300</b>	<b>\$0</b>	<b>\$162,300</b>		
Estimated G/A - 195.00% of direct labor*	\$25,500	\$0	\$25,500	\$25,500	\$0	\$25,500		
<b>Total</b>	<b>\$187,800</b>	<b>\$0</b>	<b>\$187,800</b>	<b>\$187,800</b>	<b>\$0</b>	<b>\$187,800</b>		
Direct Labor	\$13,000	\$0	\$13,000	\$13,000	\$0	\$13,000		

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

EA Originator: \_\_\_\_\_

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 \$192,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. This declaration of official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

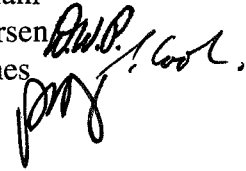


June 27, 2011

Prepared by: A.T. Kilani

Submitted by: D. Pedersen

Approved by: Paul Jones



## CONSENT CALENDAR

### WATER OPERATIONS FISCAL YEAR 2011-12 EXPENDITURE AUTHORIZATIONS

#### SUMMARY:

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

- Project 1184 (domestic) for \$387,300 for the DATS and Well 77 Lease;
- Project 1478 (domestic) for \$138,600 for Residential 5/8" by 3/4" and 3/4" Meter Replacements;
- Project 1488 (domestic) for \$650,100 and Project 1207 (recycled) for \$206,800 for the Service Line, Valve and Main Replacements;
- Project 1451 (domestic) for \$203,500 for CSR Meter Replacements;
- Project 1470 (domestic) for \$170,500 and Project 1201 (recycled) for \$170,500 for Raise System Valves;
- Project 1440 (domestic) for \$93,500 for the 1" and 2" Meter Replacements; and
- Project 1458 (domestic) for \$135,300 for the General System Modifications.

#### BACKGROUND:

The following annual Water Operations projects are included in the approved FY 2011-12 Capital Budget:

##### DATS and Well 77 Lease – Project 1184:

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

##### Residential 5/8Inch by 3/4-Inch and 3/4-Inch Meter Replacements – Project 1478 (Domestic):

The project consists of replacing existing residential meters on a 17-year cycle. Replacement of the older meters that begin to under-register water usage results in increased revenue and reduces the number of meters replaced through the Customer Service Request System. Approximately 2,100 meters are planned for replacement during FY 2010-11.

##### Service Line, Valve and Main Replacements – Projects 1488 (Domestic) and 1207 (Recycled):

The project consists of replacing damaged or broken water service lines, valves and mains in both the domestic and recycled water systems during FY 2011-12. An average of 200 service lines and 100 valves are replaced annually.



CSR Meter Replacements – Project 1451 (Domestic):

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

Raise System Valves – Projects 1470 (Domestic) and 1201 (Recycled):

The project consists of raising system valve cans and boxes to grade following roadway paving projects that are completed throughout FY 2011-12.

1" and 2" Meter Replacements – Project 1440 (Domestic):

The project consists of replacing 1" meters on a 17-year cycle and 1½" and 2" meters on a 15-year cycle. Replacement of the older meters that begin to under-register water usage results in increased revenue and reduces the number of meters replaced through the Customer Service Request System.

General System Modifications – Project 1458 (Domestic):

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

FISCAL IMPACTS:

Projects 1184, 1478, 1488, 1207, 1451, 1470, 1201, 1440 and 1458 are included in the approved FY 2011-12 Capital Budget. The Expenditure Authorizations are provided as Exhibit "A". Project 1184 is funded based on regional Improvement District allocations, and Projects 1478, 1488, 1207, 1451, 1470, 1201, 1440 and 1458 will be funded by the replacement fund.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
1184	\$ 387,300	\$0	\$ 387,300	\$0	\$ 387,300	\$ 387,300
1478	\$ 138,600	\$0	\$ 138,600	\$0	\$ 138,600	\$ 138,600
1488	\$ 650,100	\$0	\$ 650,100	\$0	\$ 650,100	\$ 650,100
1207	\$ 206,800	\$0	\$ 206,800	\$0	\$ 206,800	\$ 206,800
1451	\$ 203,500	\$0	\$ 203,500	\$0	\$ 203,500	\$ 203,500
1470	\$ 170,500	\$0	\$ 170,500	\$0	\$ 170,500	\$ 170,500
1201	\$ 170,500	\$0	\$ 170,500	\$0	\$ 170,500	\$ 170,500
1440	\$ 93,500	\$0	\$ 93,500	\$0	\$ 93,500	\$ 93,500
1458	\$ 135,300	\$0	\$ 135,300	\$0	\$ 135,300	\$ 135,300
<b>TOTAL</b>	<b>\$2,156,100</b>	<b>\$0</b>	<b>\$2,156,100</b>	<b>\$0</b>	<b>\$2,156,100</b>	<b>\$2,156,100</b>

ENVIRONMENTAL COMPLIANCE:

Project 1184 is a ministerial project and not subject to the California Environmental Quality Act (CEQA) pursuant to Section 21080 of the Public Resources Code.

Projects 1478, 1488, 1207, 1451, 1470, 1201, 1440 and 1458 are categorically exempt from CEQA pursuant to the California Code of Regulations, Title 14, Chapter 3, Sections 15301 and 15302.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee Meeting on June 21, 2011.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO APPROVE EXPENDITURE AUTHORIZATIONS FOR PROJECT 1184 FOR \$387,300; PROJECT 1478 FOR \$138,600; PROJECT 1488 FOR \$650,100; PROJECT 1207 FOR \$206,800; PROJECT 1451 FOR \$203,500; PROJECT 1470 FOR \$170,500; PROJECT 1201 FOR \$170,500; PROJECT 1440 FOR \$93,500 AND PROJECT 1458 FOR \$135,300.

LIST OF EXHIBITS:

Exhibit "A" – Expenditure Authorizations



EXHIBIT "A"

**IRVINE RANCH WATER DISTRICT**

Expenditure Authorization

Project Name: DATS & WELL 77 LEASE PAYMENT 11/12  
 Project No: 10388 EA No: 1

Project Manager: PEDERSEN, DAVID  
 Project Engineer: PEDERSEN, DAVID  
 Request Date: June 7, 2011

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

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

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$387,300
<b>Total EA Requests:</b>	<b>\$387,300</b>
Previously Approved Budget:	\$387,300
Budget Adjustment Requested this EA:	\$0
<b>Updated Budget:</b>	<b>\$387,300</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

ORACLE 1184

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
LAND	387,300	0	387,300	0	387,300	387,300	7/11	6/12
Contingency - % Subtotal	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Subtotal (Direct Costs)</b>	<b>\$387,300</b>	<b>\$0</b>	<b>\$387,300</b>	<b>\$0</b>	<b>\$387,300</b>	<b>\$387,300</b>		
Estimated G/A - 195.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$387,300</b>	<b>\$0</b>	<b>\$387,300</b>	<b>\$0</b>	<b>\$387,300</b>	<b>\$387,300</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

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

EA Originator: *A. Blain* 6/8/11  
 Department Director: *David W. Puller* 06/08/11  
 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 \$3 additional documents, if any, which are hereby incorporated by reference. The project is made under Treasury Regulation Section 1.150-2. The amount of official intent to reimburse costs of the above-captioned

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: RESIDENTIAL METER REPLACEMENT 11/12  
 Project No: 11445 EA No: 1

ID Split: Miscellaneous

Project Manager: PEDERSEN, DAVID  
 Project Engineer: KILANI, ABDEL  
 Request Date: June 7, 2011

**Improvement District (ID) Allocations**

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

**Summary of Direct Cost Authorizations**

Previously Approved EA Requests:	\$0
This Request:	\$138,600
<b>Total EA Requests:</b>	<b>\$138,600</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$138,600
<b>Updated Budget:</b>	<b>\$138,600</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

ORACLE PR 1478

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	6,000	0	6,000	6,000	0	6,000	7/11	6/12
CONSTRUCTION	120,000	0	120,000	120,000	0	120,000	7/11	6/12
Contingency - 10.00% Subtotal	\$12,600	\$0	\$12,600	\$12,600	\$0	\$12,600		
<b>Subtotal (Direct Costs)</b>	<b>\$138,600</b>	<b>\$0</b>	<b>\$138,600</b>	<b>\$138,600</b>	<b>\$0</b>	<b>\$138,600</b>		
Estimated G/A - 195.00% of direct labor*	\$11,700	\$0	\$11,700	\$11,700	\$0	\$11,700		
<b>Total</b>	<b>\$150,300</b>	<b>\$0</b>	<b>\$150,300</b>	<b>\$150,300</b>	<b>\$0</b>	<b>\$150,300</b>		
Direct Labor	\$6,000	\$0	\$6,000	\$6,000	\$0	\$6,000		

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

EA Originator: *David M. Pedersen* 6/8/11  
 Department Director: *David M. Pedersen* 06/08/11  
 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 \$154,000 additional documents, if any, which are hereby incorporated by project is made under Treasury Regulation Section 1.150-2.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: SERVICE LINE VALVE & MAIN REPLACEMENT 11/12  
 Project No: 11446 EA No: 1

ID Split: Miscellaneous  
 Improvement District (ID) Allocations

Project Manager: PEDERSEN, DAVID  
 Project Engineer: KILANI, ABDEL  
 Request Date: June 7, 2011

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

### Summary of Direct Cost Authorizations

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

Comments:

*ORACLE PR 1488*

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	10,000	0	10,000	10,000	0	10,000	7/11	6/12
CONSTRUCTION	581,000	0	581,000	581,000	0	581,000	7/11	6/12
Contingency - 10.00% Subtotal	\$59,100	\$0	\$59,100	\$59,100	\$0	\$59,100		
<b>Subtotal (Direct Costs)</b>	<b>\$650,100</b>	<b>\$0</b>	<b>\$650,100</b>	<b>\$650,100</b>	<b>\$0</b>	<b>\$650,100</b>		
Estimated G/A - 195.00% of direct labor*	\$19,500	\$0	\$19,500	\$19,500	\$0	\$19,500		
<b>Total</b>	<b>\$669,600</b>	<b>\$0</b>	<b>\$669,600</b>	<b>\$669,600</b>	<b>\$0</b>	<b>\$669,600</b>		
Direct Labor	\$10,000	\$0	\$10,000	\$10,000	\$0	\$10,000		

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

EA Originator:

*[Signature]* 6/8/11

Department Director:

*[Signature]* 06/08/11

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 \$683, 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: SERVICE LINE VALVE & MAIN REPLACEMENT 11/12  
 Project No: 31446 EA No: 1

ID Split: Miscellaneous

Project Manager: PEDERSEN, DAVID

Project Engineer: KILANI, ABDEL

Request Date: June 7, 2011

### Improvement District (ID) Allocations

ID No. Allocation % Source of Funds

210	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

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

Comments:

ORACLE PR 1267

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	10,000	0	10,000	10,000	0	10,000	7/11	6/12
CONSTRUCTION	178,000	0	178,000	178,000	0	178,000	7/11	6/12
Contingency - 10.00% Subtotal	\$18,800	\$0	\$18,800	\$18,800	\$0	\$18,800		
<b>Subtotal (Direct Costs)</b>	<b>\$206,800</b>	<b>\$0</b>	<b>\$206,800</b>	<b>\$206,800</b>	<b>\$0</b>	<b>\$206,800</b>		
Estimated G/A - 195.00% of direct labor*	\$19,500	\$0	\$19,500	\$19,500	\$0	\$19,500		
<b>Total</b>	<b>\$226,300</b>	<b>\$0</b>	<b>\$226,300</b>	<b>\$226,300</b>	<b>\$0</b>	<b>\$226,300</b>		
Direct Labor	\$10,000	\$0	\$10,000	\$10,000	\$0	\$10,000		

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

EA Originator:

*[Signature]* 6/8/11

Department Director:

*[Signature]* 06/08/11

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 \$ \_\_\_\_\_ project is further described in the attached staff report and \_\_\_\_\_ of official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.15

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: CSR METER REPLACEMENT 11/12  
 Project No: 11441 EA No: 1  
 Project Manager: PEDERSEN, DAVID  
 Project Engineer: KILANI, ABDEL  
 Request Date: June 7, 2011

ID Split: Miscellaneous

### Improvement District (ID) Allocations

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

### Summary of Direct Cost Authorizations

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

Comments:

ORACLE PR 1451

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	7/11	6/12
CONSTRUCTION	180,000	0	180,000	180,000	0	180,000	7/11	6/12
Contingency - 10.00% Subtotal	\$18,500	\$0	\$18,500	\$18,500	\$0	\$18,500		
<b>Subtotal (Direct Costs)</b>	<b>\$203,500</b>	<b>\$0</b>	<b>\$203,500</b>	<b>\$203,500</b>	<b>\$0</b>	<b>\$203,500</b>		
Estimated G/A - 195.00% of direct labor*	\$9,800	\$0	\$9,800	\$9,800	\$0	\$9,800		
<b>Total</b>	<b>\$213,300</b>	<b>\$0</b>	<b>\$213,300</b>	<b>\$213,300</b>	<b>\$0</b>	<b>\$213,300</b>		
Direct Labor	\$5,000	\$0	\$5,000	\$5,000	\$0	\$5,000		

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

EA Originator:

*A. Kilani*

6/8/11

Department Director:

*David W. Palmer*

06/08/11

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 additional documents, if any, which are hereby inco project is made under Treasury Regulation Section :

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



# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: RAISE SYSTEM VALVES 11/12

Project No: 11444 EA No: 1

Project Manager: PEDERSEN, DAVID

Project Engineer: KILANI, ABDEL

Request Date: June 7, 2011

ID Split: Miscellaneous

### Improvement District (ID) Allocations

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

### Summary of Direct Cost Authorizations

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

Comments:

ORACLE PR 1470


Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	7/11	6/12
CONSTRUCTION	150,000	0	150,000	150,000	0	150,000	7/11	6/12
Contingency - 10.00% Subtotal	\$15,500	\$0	\$15,500	\$15,500	\$0	\$15,500		
<b>Subtotal (Direct Costs)</b>	<b>\$170,500</b>	<b>\$0</b>	<b>\$170,500</b>	<b>\$170,500</b>	<b>\$0</b>	<b>\$170,500</b>		
Estimated G/A - 195.00% of direct labor*	\$9,800	\$0	\$9,800	\$9,800	\$0	\$9,800		
<b>Total</b>	<b>\$180,300</b>	<b>\$0</b>	<b>\$180,300</b>	<b>\$180,300</b>	<b>\$0</b>	<b>\$180,300</b>		
Direct Labor	\$5,000	\$0	\$5,000	\$5,000	\$0	\$5,000		

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

EA Originator:

 6/8/11

Department Director:

 06/08/11

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 \$184,000 further described in the attached staff report and additional documents, if any, which are hereby incorporated into this report. The official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: RAISE SYSTEM VALVES 11/12

Project No: 31444 EA No: 1

Project Manager: PEDERSEN, DAVID

Project Engineer: KILANI, ABDEL

Request Date: June 7, 2011

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No. Allocation % Source of Funds

210	100.0	REPLACEMENT FUND**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

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

Comments:

ORACLE PR 1201

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	7/11	6/12
CONSTRUCTION	150,000	0	150,000	150,000	0	150,000	7/11	6/12
Contingency - 10.00% Subtotal	\$15,500	\$0	\$15,500	\$15,500	\$0	\$15,500		
<b>Subtotal (Direct Costs)</b>	<b>\$170,500</b>	<b>\$0</b>	<b>\$170,500</b>	<b>\$170,500</b>	<b>\$0</b>	<b>\$170,500</b>		
Estimated G/A - 195.00% of direct labor*	\$9,800	\$0	\$9,800	\$9,800	\$0	\$9,800		
<b>Total</b>	<b>\$180,300</b>	<b>\$0</b>	<b>\$180,300</b>	<b>\$180,300</b>	<b>\$0</b>	<b>\$180,300</b>		
Direct Labor	\$5,000	\$0	\$5,000	\$5,000	\$0	\$5,000		

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

EA Originator:

*[Signature]*

6/8/11

Department Director:

*[Signature]*

06/08/11

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 \$184,000 additional documents, if any, which are hereby incorporated by project is made under Treasury Regulation Section 1.150-2.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: 1" TO 2" METER REPLACEMENT 11/12

Project No: 11440 EA No: 1

Project Manager: PEDERSEN, DAVID

Project Engineer: KILANI, ABDEL

Request Date: June 7, 2011

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No. Allocation % Source of Funds

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

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$93,500
<b>Total EA Requests:</b>	<b>\$93,500</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$93,500
<b>Updated Budget:</b>	<b>\$93,500</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

ORACLE PR 1440

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	7/11	6/12
CONSTRUCTION	80,000	0	80,000	80,000	0	80,000	7/11	6/12
Contingency - 10.00% Subtotal	\$8,500	\$0	\$8,500	\$8,500	\$0	\$8,500		
<b>Subtotal (Direct Costs)</b>	<b>\$93,500</b>	<b>\$0</b>	<b>\$93,500</b>	<b>\$93,500</b>	<b>\$0</b>	<b>\$93,500</b>		
Estimated G/A - 195.00% of direct labor*	\$9,800	\$0	\$9,800	\$9,800	\$0	\$9,800		
<b>Total</b>	<b>\$103,300</b>	<b>\$0</b>	<b>\$103,300</b>	<b>\$103,300</b>	<b>\$0</b>	<b>\$103,300</b>		
Direct Labor	\$5,000	\$0	\$5,000	\$5,000	\$0	\$5,000		

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

EA Originator:

*[Signature]* 6/8/11

Department Director:

*[Signature]* 06/08/11

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 \$106, additional documents, if any, which are hereby incorporated project is made under Treasury Regulation Section 1.150-2.

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

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: GEN SYS MODS 11/12

Project No: 11443 EA No: 1

Project Manager: PEDERSEN, DAVID

Project Engineer: KILANI, ABDEL

Request Date: June 7, 2011

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

### Improvement District (ID) Allocations

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

Total 100.0%

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$135,300
<b>Total EA Requests:</b>	<b>\$135,300</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$135,300
<b>Updated Budget:</b>	<b>\$135,300</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

ORACLE PR 145B

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - OUTSIDE	1,000	0	1,000	1,000	0	1,000	7/11	6/12
DESIGN STAFF FIELD SUPPORT	1,000	0	1,000	1,000	0	1,000	7/11	6/12
ENGINEERING - CA&I IRWD	1,000	0	1,000	1,000	0	1,000	7/11	6/12
CONSTRUCTION FIELD SUPPORT	20,000	0	20,000	20,000	0	20,000	7/11	6/12
CONSTRUCTION	100,000	0	100,000	100,000	0	100,000	7/11	6/12
Contingency - 10.00% Subtotal	\$12,300	\$0	\$12,300	\$12,300	\$0	\$12,300		
<b>Subtotal (Direct Costs)</b>	<b>\$135,300</b>	<b>\$0</b>	<b>\$135,300</b>	<b>\$135,300</b>	<b>\$0</b>	<b>\$135,300</b>		
Estimated G/A - 195.00% of direct labor*	\$43,000	\$0	\$43,000	\$43,000	\$0	\$43,000		
<b>Total</b>	<b>\$178,300</b>	<b>\$0</b>	<b>\$178,300</b>	<b>\$178,300</b>	<b>\$0</b>	<b>\$178,300</b>		
Direct Labor	\$22,000	\$0	\$22,000	\$22,000	\$0	\$22,000		

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

EA Originator:

*[Signature]*

6/8/11

Department Director:

*[Signature]*

06/08/11

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 \$182,000. additional documents, if any, which are hereby incorporated by reference into this authorization. The intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

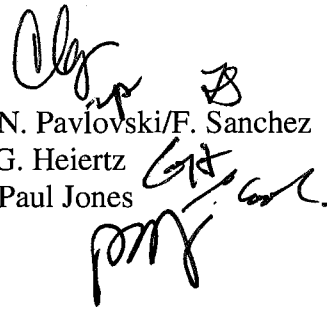


June 27, 2011

Prepared By: N. Pavlovski/F. Sanchez

Submitted by: G. Heiertz

Approved by: Paul Jones

Handwritten signatures and initials in black ink, including a large signature at the top, initials 'B' and 'GHT', and a signature 'PJ' at the bottom.

## CONSENT CALENDAR

### WEATHER BASED IRRIGATION TIMER (SMARTIMER) REBATE PROGRAM AGREEMENT

#### SUMMARY:

Irvine Ranch Water District (IRWD) has participated in the Municipal Water District of Orange County's (MWDOC) SmartTimer ET Controller rebate program since 2004. In that time, IRWD has achieved the highest level of cumulative/lifetime water savings amongst the MWDOC retailers, with approximately 1400 controllers installed, and estimated savings of 2,510 acre feet. The term of the existing agreement with MWDOC expires June 30, 2011. Staff is recommending that IRWD enter into a new agreement, which is included as Exhibit "A", in order to continue participation in the program for Fiscal Years 2011-12 and 2012-13, subject to funding availability. Per agreement, IRWD has previously provided MWDOC with multi-year funding for this program, and therefore no additional funding is required from IRWD.

#### BACKGROUND:

This agreement provides IRWD rebate funding for SmartTimers for both the residential and the commercial programs, effective July 1, 2011. It also provides access to MWDOC's grant funding sources such as the CALFED, Bureau of Reclamation, and National Resources Conservation Service (NRCS) grants for IRWD customers. IRWD tactical incentive supplemental funding will be \$75 per device for residential timers. A combination of funding from Metropolitan and MWDOC grant sources is anticipated to fully cover the cost of commercial controllers, and therefore staff is recommending no additional IRWD funding for those devices.

At the request of IRWD, in order to address multi-year funding needs for this program, MWDOC previously invoiced IRWD for participation in this program. Due to unanticipated funding contributed by Metropolitan Water District, those funds were not depleted as quickly as was originally anticipated. MWDOC has \$46,933.72 remaining from IRWD's prior funding that will be applied to this agreement. Staff believes this will provide sufficient funding to meet projected program needs for Fiscal Year 2011-12, without any additional funding being added.

#### FISCAL IMPACTS:

Multi-year tactical incentive funding for this program has previously been paid to MWDOC by agreement. No additional funding is anticipated for FY 2011-12.

#### ENVIRONMENTAL COMPLIANCE:

Not applicable.

**COMMITTEE STATUS:**

This item was reviewed by the Water Resources Policy and Communications Committee on June 6, 2011.

**RECOMMENDATION:**

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE THE AGREEMENT BETWEEN IRVINE RANCH WATER DISTRICT AND THE MUNICIPAL WATER DISTRICT OF ORANGE COUNTY FOR PARTICIPATION IN THE WEATHER BASED IRRIGATION TIMER (SMARTIMER) REBATE PROGRAM FOR RESIDENTIAL AND COMMERCIAL PROPERTIES SUBJECT TO NON-SUBSTANTIVE CHANGES .

**LIST OF EXHIBITS:**

Exhibit "A" – Draft MWDOC/IRWD SmarTimer Agreement

# Exhibit "A"

## Agreement Between Irvine Ranch Water District and the Municipal Water District of Orange County for Participation in the Weather Based Irrigation Timer (Smart Timer) Rebate Program for Residential and Commercial Properties

This Agreement is made by and between the Municipal Water District of Orange County ("MWDOC"), and Irvine Ranch Water District ("Participating Agency"), for participation and co-funding of a Smart Timer Rebate Program for Residential and Commercial Properties ("Program") to be offered in Participating Agency's service area.

### RECITALS

WHEREAS, MWDOC has developed and arranged for Grant funding through other sources for a program (the "Program") to provide enhanced rebates, beyond Metropolitan Water District of Southern California's ("Metropolitan") basic rebate funding levels to owners of residential and commercial properties to encourage them to retrofit existing operable irrigation timers with devices that control the amount of water used based upon weather conditions ("Smart Timers"); and

WHEREAS, Program funding is sufficient to provide rebates for up to Three Thousand (3,000) Smart Timers installed by qualified applicants in the Program area. Participating Agency is eligible to participate in the Program and agrees to provide funding at the amount per residential Smart Timer specified in Table 1 below and, if Participating Agency so elects, at the amount per commercial Smart Timer station specified in Table 2 below, up to the "Not to Exceed Funding Limits" set forth in Tables 1 and 2; and

WHEREAS, MWDOC through its contract with both Metropolitan and its installation inspection and verifications consultant will conduct up to 100% installation verification of commercial and residential Smart Timer installations; and

WHEREAS, the Program's objectives are to achieve savings in water consumption, reduce water runoff to storm drains and natural water bodies, and promote the goals of the Best Management Practices.

### AGREEMENT

NOW, AND THEREFORE, it is agreed by MWDOC and Participating Agency as follows:

1. **Residential Properties:** MWDOC will contract for rebate services with Metropolitan ("Rebate Contractor") to access their "SoCal Water Smart" residential rebate program for Smart Timers.

MWDOC and Participating Agency acknowledge that the following procedures are provided for in the Rebate Contractor's SoCal Water Smart program: A prospective residential applicant who wants to participate in the Program must contact the Rebate Contractor at [www.socalwatersmart.com](http://www.socalwatersmart.com) to fill out an online rebate application. The Rebate Contractor will notify the prospective applicant with an online application confirmation notice instructing applicant to mail in the Smart Timer purchase receipt indicating brand, model, price, and any installation costs, and a recent water bill for the site where the Smart Timer will be installed within 60 days of application confirmation. The Rebate Contractor will check each returned application for completeness and determine the eligibility of the applicant to participate in the Program.

Through the application process, all residential Smart Timer applicants must agree to on-site installation verification as a condition for participation in the Program. Not all residential Smart



Timer applicants will be subject to on-site installation verification. MWDOC will be responsible for determining whether a particular installation will be inspected and the manner of verification required, if any. MWDOC will work with the Rebate Contractor to facilitate final rebate processing and issuance of the rebate check

2. **Commercial Properties:** MWDOC will contract for rebate services with Rebate Contractor to access its "Save a Buck" commercial rebate program for commercial Smart Timers.

MWDOC and Participating Agency acknowledge that the following procedures are provided for in the Rebate Contractor's Save a Buck commercial rebate program for commercial Smart Timers: A prospective commercial applicant who wants to participate in the commercial Smart Timer Rebate Program must contact the Rebate Contractor at [www.mwdsaveabuck.com](http://www.mwdsaveabuck.com) to request a rebate reservation number prior to the purchase and installation of a Program eligible Smart Timer. If approved through the online reservation process, applicant will receive, via email, a reservation confirmation notice. Note that securing a reservation is a threshold requirement, and any attempt by a prospective commercial applicant to purchase a Smart Timer first and then secure a reservation will be rejected by the Rebate Contractor. Within five business days of the reservation confirmation notice, Applicant will receive a hard copy of the rebate application packet. Applicant then has 60 days to return, via regular mail, the signed application form, reservation letter, a current water bill, and the purchase receipt for the installed commercial Smart Timer.

Through the application process, all commercial Smart Timer applicants must agree to on-site installation verification as a condition for participation in the Program. Not all commercial Smart Timer applicants will be subject to on-site installation verification. MWDOC will be responsible for determining whether a particular installation will be inspected and the manner of verification required, if any. MWDOC will work with the Rebate Contractor to facilitate final rebate processing and issuance of the rebate check.

3. **MWDOC's Obligations:** MWDOC will be responsible for designing the Program, setting the rebate level paid to a qualified applicant, providing all necessary staffing, materials, and administration to manage and implement the Program, and preparing reports on the Program's results through contractors and its own staff. MWDOC agrees to the following:

- MWDOC will provide marketing and informational material for the Program, except as noted in the Participating Agency Obligations section of this Agreement;
- MWDOC will work with Metropolitan and its Rebate Contractor to establish eligibility requirements for prospective Program applicants;
- MWDOC will provide a website, a toll-free telephone number, and printed informational materials for prospective applicants to learn about the Program and the steps to participate;
- MWDOC will inform applicants about the eligible Smart Timer technologies and where they may purchase an appropriate Smart Timer.
- MWDOC will require that each applicant, as a condition of participating in the Program, acknowledge that purchase, installation and functioning of Smart Timers will be the responsibility of the applicant and waive and release any claims against MWDOC, Metropolitan, and the Participating Agency in order to receive a rebate. MWDOC will require that every applicant acknowledge and agree that MWDOC is permitted to use historical water consumption data for purposes of satisfying any grant water use and water quality evaluation requirements of the Program;

- MWDOC will facilitate quality control, verification of installation of Smart Timers, and collection of data;
- Using Metropolitan's minimum per residential Smart Timer funding, MWDOC's acquired Grant Funds, and Participating Agency's required per residential Smart Timer funding as stated in Table 1 below, MWDOC will set the residential per Smart Timer enhanced rebate levels paid to applicants.
- MWDOC will facilitate Participating Agency's additional commercial rebate funding with the Program's Rebate Contractor if Participating Agency wishes to add additional funds for commercial Smart Timers, as stated in Table 2 herein, above the minimum amount funded by Metropolitan to increase the commercial rebate level,;
- MWDOC will facilitate payment, through the Rebate Contractor, to both residential and commercial rebate participants who have completed the participation requirements as acknowledged herein to the satisfaction of MWDOC,
- MWDOC will develop a database of information regarding Program participation, including the types of Smart Timers for which rebates are given;
- MWDOC will provide monthly electronic and written reports of Program activity to Participating Agency;
- MWDOC will invoice Participating Agency for the specified amount per residential Smart Timer as stated in Table 1, up to the "Not to Exceed" amount set forth in this Agreement, on a monthly basis for rebates issued in the previous month period;
- If Participating Agency elects to increase the commercial Smart timer rebate at the levels shown in Table 2, MWDOC will invoice Participating Agency for those associated costs up to the "Not to Exceed" amount set forth in this Agreement, on a monthly basis for rebates issued in the previous month period;
- When on-site Smart Timer installation verification inspection is conducted by MWDOC's verification consultant, MWDOC will direct the verification consultant to facilitate the issuance of inspection notifications and on-site verifications for residential and commercial Smart Timers within Participating Agency's service area;
- MWDOC will work with the Rebate Contractor to track rebates paid to qualified residential and commercial applicants in order to limit the total number of rebates issued within Participating Agency's service area and assure that the total of the residential "per Smart Timer" and commercial "per station" rebate contributions are within the "Not to Exceed" amounts shown in Table 1 and 2, below;
- MWDOC and Participating Agency acknowledge and agree that residential or commercial rebates will be offered on a first come-first served basis while Program funding lasts. Therefore, if residential applications received from Program applicants throughout MWDOC's implementation area exhaust the number of rebates available under the Program, rebates may not be available within Participating Agency's service territory up to the maximum "Not to Exceed" number provided herein. MWDOC does not guarantee any minimum number of rebates will be available for Participating Agency's service area.
- MWDOC agrees to maintain the confidentiality of Participating Agency's customer names, addresses and other information about the Program applicants gathered in connection with the Program, and will not cause or permit the disclosure of such information except as

necessary to carry out the requirements of the Program. To the extent MWDOC contracts with third-party contractors to carry out all or any portion of the Program, MWDOC will require the contractors to maintain the confidentiality of said customer information.

4. **Participating Agency Obligations:** Participating Agency agrees to the following:

- Participating Agency will use reasonable efforts to assist MWDOC with the marketing of the Program within the Participating Agency’s service area. Participating Agency will distribute MWDOC-produced marketing material through its direct communication with customers within its service territory. This can be accomplished through the use of bill inserts, by placing marketing material at Participating Agency customer service counters, and by various means of directly advocating the Program to the public. The fact that Participating Agency elects to provide marketing shall not offset or otherwise reduce the Participating Agency’s funding obligation;
- Participating Agency agrees to provide funding for the Program in the amount specified in Table 1 below per residential Smart Timer. Funding will be provided on a per Smart Timer basis up to the "Not to Exceed" funding limit:

**Table 1**

<u>Category</u>	No. Smart Timers	Funding Amount	Not to Exceed Funding Limit; For Fiscal Years 2011-13
Residential	#__	\$75 per Smart Timer	\$ 46,933.72.

- If Participating Agency elects to provide additional funding for commercial Smart Timers, Table 2 below shall list the Participating Agency’s funding amount per commercial Smart Timer station. Commercial Smart Timer rebates are calculated on the commercial Smart Timer’s station capacity, and Participating Agency’s funding amounts shall be in addition to the per station amount provided by the Program.

**Table 2**

<u>Category</u>	No. of Stations	Funding Amount	Not to Exceed Funding Limit; For Fiscal Years 2011-13
Commercial Smart Timer	#__	\$__ per Station	\$0

- Participating Agency will pay MWDOC for the rebate amounts invoiced to Participating Agency, and such payment will be due within thirty (30) days of the date of the invoice.
- Participating Agency may increase its "Not to Exceed" Funding Limits under this Letter Agreement by written notice to MWDOC’s General Manager made by the undersigned representative of the Participating Agency or his or her successor. Any increase must follow the form in Tables 1 – 2, and written notice of an increase must be received prior to the exhaustion of available funding.
- By participating in this Program, the Participating Agency acknowledges and agrees that MWDOC is permitted to use historical water consumption data for purposes of satisfying any grant water use and water quality evaluation requirements of the Program.

5. **Indemnification:** MWDOC has designed the Program as a rebate program in which the applicant is solely responsible for selecting, purchasing, and installing the Smart Timer. The

applicant will be required by MWDOC to sign a release and waiver of any claims against MWDOC, the Participating Agency, and any other funding agency as a condition of participating in the Program. To the extent MWDOC or the Participating Agency or their staff performs any activities in connection with the Program, each agrees to indemnify and hold the other, and Metropolitan, harmless from any and all liability, claims, obligations, damages and suits arising out of its negligence or liability without fault in the performance of such activities, except to the extent such liability, claims, obligations, damages or suits arise from the other's, or Metropolitan's, negligence or liability without fault.

6. **Term:** The Program commenced on or about September 1, 2004, and until June 30, 2011 was covered under separate, previous agreements. Effective July 1, 2011, this agreement supersedes all previous agreements between MWDOC and Participating Agency regarding Smart Timer rebate programs and will continue until June 30, 2013 or until the targeted number of rebates has been exhausted, whichever occurs first ("Program Expiration"). Prior to reaching the "Not to Exceed" funding levels shown in Table 1, MWDOC will notify Participating Agency of the depleted funding levels, and request Participating Agency to increase the funding levels by written notice as provided herein. If Participating Agency declines the request to increase its funding levels in Table 1, MWDOC will direct the Rebate Contractor to discontinue offering the enhanced residential rebate levels in Participating Agency's service area, and rebate levels for residential Smart Timers will, upon exhaustion of Participating Agency's existing funding levels, revert to Metropolitan's rebate level for the Program.
7. **Early Termination:** Participating Agency may terminate this Agreement prior to the Program Expiration date, or prior to distribution of the maximum number of rebates for Participating Agency's service area, upon thirty (30) days' written notice to MWDOC. MWDOC may terminate this Agreement prior to the Program Expiration date, or prior to distribution of the maximum number of rebates for Participating Agency's service area, without prior notice in the event funding for this Program is exhausted, reduced, or eliminated from any funding source, except with regard to funding from Participating Agency and the notice to Participating Agency required in such event pursuant to Section 6. Otherwise, MWDOC may terminate this Agreement for any reason upon thirty (30) days' written notice to Participating Agency. Participating Agency will be responsible for payment of its funding contribution for all rebates made before and after the effective date of the termination for all applications initiated by Program applicants within Participating Agency's service area prior to the effective date of the termination. For purposes of this paragraph, an application is deemed initiated when the Program applicant obtains an application and his participation is logged-in by the Rebate Contractor. Whether the Agreement is terminated by Participating Agency or MWDOC, MWDOC will nevertheless provide Participating Agency with reports of rebate activities in Participating Agency's service area.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement by and through the authorized officers on \_\_\_\_\_, 2011.

Dated: \_\_\_\_\_

MUNICIPAL WATER DISTRICT OF  
ORANGE COUNTY

By: \_\_\_\_\_  
Kevin P. Hunt  
General Manager

Dated: \_\_\_\_\_

Approved as to Form:  
McCormick, Kidman & Behrens, LLC

\_\_\_\_\_  
Russell G. Behrens  
Daniel J. Payne  
Legal Counsel

Dated: \_\_\_\_\_

IRVINE RANCH WATER DISTRICT

By: \_\_\_\_\_  
Paul D. Jones II  
General Manager

Dated: \_\_\_\_\_

Approved as to Form:  
Bowie, Arneson, Wiles & Giannone

\_\_\_\_\_  
Joan C. Arneson  
Legal Counsel

Internal Use Only:

Program No. \_\_\_\_\_

Line Item: \_\_\_\_\_

Funding Year: \_\_\_\_\_

Contract Amt.: \_\_\_\_\_

Purchase Order #: \_\_\_\_\_

June 27, 2011

Prepared By: N. Pavlovski/F.Sanchez

Submitted by: G. Heiertz

Approved by: Paul Jones

*Handwritten signatures and initials: N. Pavlovski, F. Sanchez, G. Heiertz, Paul Jones.*

CONSENT CALENDAR

NINTH AMENDMENT TO AGREEMENT BETWEEN IRWD AND MWDOC  
FOR PARTICIPATION IN SPECIFIED MWDOC REBATE PROGRAMS

SUMMARY:

The Water Conservation Business Plan (Plan) included a “Tactical Incentives” element to encourage customers to install water conservation devices. Incentive payments are based on the water and wastewater systems avoided costs for each device and are therefore cost-effective for IRWD. Staff has reviewed existing funding levels and water savings, and recommends that FY 2011-12 remain consistent with the current incentive levels. An amount of \$450,000 in Tactical Incentive Funding is included in the FY 2011-12 Operating Budget. Staff proposes that \$350,000 be allocated to regional program Tactical Incentives, and the other \$100,000 be allocated to IRWD’s Performance-based Commercial and Industrial Conservation Program. Staff recommends that the Board authorize the General Manager to execute an updated amendment to the existing agreement with the Municipal Water District of Orange County (MWDOC) to maintain the current incentive levels and add up to \$350,000 in Tactical Incentive funding for FY 2011-12, effective July 1, 2011.

BACKGROUND:

Tactical Incentives are one of the key elements of IRWD’s Water Use Efficiency Program. The Tactical Incentives are cost-effective financial incentives provided by IRWD to supplement existing regional rebate programs administered by either Metropolitan Water District of Southern California (MWD) and/or MWDOC. The incentives are based on IRWD’s calculated avoided costs resulting from the installation of the various conservation devices.

The current program is operating under an Eighth Amendment to the Agreement for Participation and Co-funding by Irvine Ranch Water District in Specified Municipal Water District of Orange County Rebate Programs. Staff proposes executing an updated Amendment to the existing Agreement to extend the term until June 30, 2012 and to provide up to \$350,000 in Tactical Incentive funding for regional programs. This will ensure continued operation of the program and minimize disruptions for IRWD customers.

FISCAL IMPACTS:

Funding for tactical incentives in the amount of \$450,000 is included in the adopted FY 2011-12 Operating Budget from conservation revenues. Staff proposes that \$350,000 be allocated to Regional Programs, and the remaining \$100,000 be allocated to performance-based commercial and industrial conservation programs.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed at the Water Resources Policy and Communications Committee on June 6, 2011.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE THE NINTH AMENDMENT TO THE AGREEMENT FOR PARTICIPATION AND CO-FUNDING BY IRVINE RANCH WATER DISTRICT IN SPECIFIED MUNICIPAL WATER DISTRICT OF ORANGE COUNTY REBATE PROGRAMS IN THE AMOUNT OF \$350,000 FOR COST-EFFECTIVE TACTICAL INCENTIVE WATER USE EFFICIENCY MEASURES.

LIST OF EXHIBITS:

Exhibit "A" – Ninth Amendment to the Agreement for Participation and Co-funding by IRWD in Specified MWDOC Rebate Programs

# Exhibit "A"

## Ninth Amendment to Agreement for Participation and Co-Funding By Irvine Ranch Water District in Specified Municipal Water District of Orange County Rebate Programs

This Ninth Amendment ("Amendment") to the existing "Agreement for Participation and Co-Funding by Irvine Ranch Water District in Specified Municipal Water District of Orange County Rebate Programs" ("Agreement") is entered into by and between the Municipal Water District of Orange County ("MWDOC") and Irvine Ranch Water District ("IRWD"). The Agreement provides for participation and co-funding by IRWD of residential and commercial water use efficiency devices through Metropolitan Water District of Southern California's ("Metropolitan") Save Water Save A Buck ("Save A Buck") and SoCal WaterSmart (WaterSmart) rebate programs in IRWD's service area.

This Amendment modifies the Agreement, which includes without limitation all previous amendments and attachments. Except as stated below, this Amendment is effective July 1, 2011, and the Agreement, as amended hereby, remains in full force and effect.

1. Section 3 to the Agreement, entitled "IRWD Participation and Co-Funding," is deleted in its entirety and replaced with the following:

**"3. IRWD Participation and Co-Funding.** In addition to the existing funding for rebates provided directly through Metropolitan's Save a Buck and WaterSmart programs, IRWD will provide additional funding or "co-funding" to both programs in the "Maximum Funding" amounts identified on Exhibit A to this Agreement, entitled "Proposed Rebate Funding Levels FY 2011-2012." IRWD shall have the ability to effect a transfer of funding between programs as it deems necessary by sending written notice to MWDOC. Such a notice shall specify changes to the "Maximum Funding" for each program affected by the transfer and shall not result in a net increase in total funding. For example, if the Save A Buck program is nearing the "Maximum Funding" amount, while the WaterSmart rebate program has funding remaining, IRWD may notify MWDOC in writing to transfer funding between the programs, thereby increasing the Maximum Funding for one program and decreasing it for the other."

2. Section 3.1, entitled "Exhaustion of Prepaid Funds to Occur First," is deleted in its entirety.

3. Section 8 to the Agreement, entitled "Term," is deleted in its entirety and replaced with the following:

**"8. Term.** This Agreement shall commence on July 1, 2006, and continue until June 30, 2012, or until the Total Funding for All Programs, as shown on Exhibit



A hereto, has been exhausted, whichever occurs first (“Program Expiration”). If the Maximum Funding for a particular program is exhausted prior to Program Expiration, MWDOC will direct its Rebate Contractor to discontinue offering additional rebate funding for that program in IRWD’s service area unless IRWD elects to add additional funding or notifies MWDOC to transfer available funding from another program as provided in Paragraph 3 above.”

4. “Exhibit A” to the Agreement, entitled “Proposed Rebate Funding Levels FY 2010-2011,” is deleted in its entirety and replaced with the following table.

**Exhibit A: Proposed Rebate Funding Levels FY 2011-2012**

<b>Program</b>	<b>Maximum Funding*</b>	<b>Devices</b>	<b>IRWD Rebate Funding Level Per Device</b>
WaterSmart Program	\$245,000	High Efficiency Clothes Washers	\$200
<b>Program</b>	<b>Maximum Funding*</b>	<b>Devices</b>	<b>IRWD Rebate Funding Level Per Device</b>
Save Water – Save A Buck Rebate Program	\$105,000	Commercial High Efficiency Toilet	\$100
		Zero Water/Ultra Low Water Urinals	\$100
		Connectionless Food Steamer	\$485 Per Compartment
		Commercial Ice Making Machine (Tier III)	\$250
		Hotel Connectionless Food Steamer	\$485 Per Compartment
		Hotel Commercial Ice Making Machine (Tier III)	\$250.00
<b>Total Funding for All Programs</b>	<b>\$350,000</b>		

\* Where indicated, “Maximum Funding” amounts for certain programs are subject to the provisions of Paragraph 3 of the Agreement and will be adjusted upon notification by IRWD to transfer funding between programs.

///

///

Dated: \_\_\_\_\_

MUNICIPAL WATER DISTRICT OF  
ORANGE COUNTY

By: \_\_\_\_\_  
Kevin P. Hunt  
General Manager

Dated: \_\_\_\_\_

Approved as to Form:

Kidman, Behrens & Tague, LLP

\_\_\_\_\_  
Russell G. Behrens  
Daniel J. Payne  
Legal Counsel

Dated: \_\_\_\_\_

IRVINE RANCH WATER DISTRICT

By: \_\_\_\_\_  
Paul D. Jones II  
General Manager

Dated: \_\_\_\_\_

Approved as to Form:

Bowie, Arneson, Wiles & Giannone

\_\_\_\_\_  
Joan C. Arneson  
Legal Counsel

<b>Internal Use Only:</b>	
Program No.	_____
Line Item:	_____
Funding Year:	_____
Contract Amt.:	_____
Purchase Order #:	_____



June 27, 2011  
 Prepared by: K. Lew/M. Hoolihan  
 Submitted by: G. P. Heiertz  
 Approved by: Paul Jones

*KHL*  
*EA for*  
*GPH*  
*Paul Jones*

CONSENT CALENDAR

FISCAL YEAR 2011-12 EXPENDITURE AUTHORIZATIONS

SUMMARY:

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

BACKGROUND:

Included in the FY 2011-12 Capital Budget are the annual projects listed below. Staff requests approval of the attached Expenditure Authorizations (EAs) for these projects:

<u>Project Number</u>	<u>Description of FY 2011-12 Project</u>	<u>Direct Cost Budget</u>	<u>Direct EA Request</u>
10566	Eng. Planning Study Reserve (Water)	\$ 143,000	\$ 143,000
20112	OCSD CORF	6,545,000	6,545,000
20586	OCSD Equity	8,013,000	8,013,000
20808	OCSD Solids Handling	1,045,000	1,045,000
30360	Recycled Conversions On-Site	116,600	116,600
30362	Recycled Conversions Off-Site	<u>145,800</u>	<u>145,800</u>
TOTALS		\$16,008,400	\$16,008,400

Summarized below are detailed project descriptions:

- Staff requests authorization of all budgeted funds for these projects. The Engineering Planning Study Reserve funds preliminary planning studies that are required before projects are individually budgeted.
- The OCSD CORF expenditure is \$5.2 million with an additional \$1.3 million paid in the next fiscal year. OCSD typically provides three to four invoices for CORF in the current fiscal year, and the remaining invoice is received in the following fiscal year.
- The OCSD Equity project is separate from the OCSD CORF project as the two projects have separate funding allocations.
- OCSD Solids Handling accounts for IRWD leasing solids handling capacity at OCSD.

- Recycled Water Conversion projects provide funding for anticipated recycled water retrofit projects (on-site and off-site work) for the upcoming fiscal year.

There are other annual projects included in the FY 2011-12 Capital Budget where the General Manager's approval on EAs is sufficient. These include updating atlas maps and as-built plans, and administrating the Natural Communities Conservation Planning Program (NCCP) for IRWD projects.

**FISCAL IMPACTS:**

Projects 10566, 20112, 20586, 20808, 30360, and 30362 are included in the FY 2011-12 Capital Budget. Projects 10566, 20112, 20586, and 20808 are funded based on regional improvement district allocations. Projects 30360 and 30362 are funded through the conservation fund.

**ENVIRONMENTAL COMPLIANCE:**

The Planning Reserve Project 10566 is exempt as a planning study and as a ministerial decision under Sections 21150 and 21080, respectively, of the Public Resources Code. IRWD is not the lead agency for project 20112 (OCSD CORF), project 20586 (OCSD Equity), and for project 20808 (OCSD Solids Handling). The recommended action for Projects 30360 and 30362 (Recycled Water Conversions) does not constitute "approval" under Section 15252 of the CEQA Guidelines because it does not commit IRWD to a specific course of action; however, in conformance with the California Code of Regulations Title 14, Chapter 3, Section 15004, the appropriate environmental evaluation will be conducted when "meaningful information" becomes available.

**COMMITTEE STATUS:**

This item was reviewed by the Engineering and Operations Committee on June 21, 2011.

**RECOMMENDATION:**

THAT THE BOARD APPROVE EXPENDITURE AUTHORIZATIONS FOR FY 2011-12 FOR \$143,000 FOR PROJECT 10566, ENGINEERING PLANNING STUDY RESERVE; \$6,545,000 FOR PROJECT 20112, OCSD CORF; \$8,013,000 FOR PROJECT 20586, OCSD EQUITY; \$1,045,000 FOR PROJECT 20808, OCSD SOLIDS HANDLING; \$116,600 FOR PROJECT 30360, RECYCLED CONVERSIONS ON-SITE; AND \$145,800 FOR PROJECT 30362, RECYCLED CONVERSIONS OFF-SITE.

**LIST OF EXHIBITS:**

Exhibit "A" – Expenditure Authorizations

# IRVINE RANCH WATER DISTRICT Exhibit "A"

## Expenditure Authorization

Project Name: ENG PLANNING STUDY RESERVE 11/12  
 Project No: 10566 EA No: 1  
 Project Manager: HOOLIHAN, MICHAEL  
 Project Engineer: LEW, KELLY  
 Request Date: June 22, 2011

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

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
112	3.6	BONDS YET TO BE SOLD**
113	4.4	BONDS YET TO BE SOLD**
115	6.2	CAPITAL FUND
121	12.8	BONDS YET TO BE SOLD**
130	10.0	BONDS YET TO BE SOLD**
135	16.2	PREVIOUSLY SOLD BONDS
140	3.5	BONDS YET TO BE SOLD**
150	26.1	BONDS YET TO BE SOLD**
153	2.9	BONDS YET TO BE SOLD**
154	1.2	BONDS YET TO BE SOLD**
161	6.7	BONDS YET TO BE SOLD**
182	2.5	BONDS YET TO BE SOLD**
184	2.3	BONDS YET TO BE SOLD**
186	.8	BONDS YET TO BE SOLD**
188	.8	BONDS YET TO BE SOLD**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$143,000
<b>Total EA Requests:</b>	<b>\$143,000</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$143,000
<b>Updated Budget:</b>	<b>\$143,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

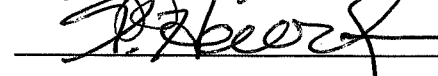
Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING IRWD	80,000	0	80,000	80,000	0	80,000	7/11	6/12
ENGINEERING - PLANNING OUTSIDE	50,000	0	50,000	50,000	0	50,000	7/11	6/12
Contingency - 10.00% Subtotal	\$13,000	\$0	\$13,000	\$13,000	\$0	\$13,000		
<b>Subtotal (Direct Costs)</b>	<b>\$143,000</b>	<b>\$0</b>	<b>\$143,000</b>	<b>\$143,000</b>	<b>\$0</b>	<b>\$143,000</b>		
Estimated G/A - 195.00% of direct labor*	\$156,000	\$0	\$156,000	\$156,000	\$0	\$156,000		
<b>Total</b>	<b>\$299,000</b>	<b>\$0</b>	<b>\$299,000</b>	<b>\$299,000</b>	<b>\$0</b>	<b>\$299,000</b>		
Direct Labor	\$80,000	\$0	\$80,000	\$80,000	\$0	\$80,000		

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

EA Originator:

 6/22/11

Department Director:

 6/22/11

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 \$305,000. Additional documents, if any, which are hereby incorporated by reference into this project is made under Treasury Regulation Section 1.150-2.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: OCSD CORF 11/12  
 Project No: 20112 EA No: 1

Project Manager: HOOLIHAN, MICHAEL  
 Project Engineer: LEW, KELLY  
 Request Date: June 8, 2011

ID Split: Miscellaneous

### Improvement District (ID) Allocations

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

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$6,545,000
<b>Total EA Requests:</b>	<b>\$6,545,000</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$6,545,000
<b>Updated Budget:</b>	<b>\$6,545,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	6,545,000	0	6,545,000	6,545,000	0	6,545,000	7/11	9/12
Contingency - % Subtotal	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Subtotal (Direct Costs)</b>	<b>\$6,545,000</b>	<b>\$0</b>	<b>\$6,545,000</b>	<b>\$6,545,000</b>	<b>\$0</b>	<b>\$6,545,000</b>		
Estimated G/A - 195.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$6,545,000</b>	<b>\$0</b>	<b>\$6,545,000</b>	<b>\$6,545,000</b>	<b>\$0</b>	<b>\$6,545,000</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

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

EA Originator: Kelly Lew 6/8/11  
 Department Director: [Signature] 6/13/11  
 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 \$6,676,000. 7 additional documents, if any, which are hereby incorporated by refer project is made under Treasury Regulation Section 1.150-2.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: OCSD EQUITY 11/12  
 Project No: 20586 EA No: 1

Project Manager: HOOLIHAN, MICHAEL  
 Project Engineer: LEW, KELLY  
 Request Date: June 8, 2011

ID Split: Sewer Tributary to MWRP (11/08)  
**Improvement District (ID) Allocations**

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**
<b>Total</b>	<b>100.0%</b>	

### Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$8,013,000
<b>Total EA Requests:</b>	<b>\$8,013,000</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$8,013,000
<b>Updated Budget:</b>	<b>\$8,013,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments: The anticipated credits in FY 2007-2012 outweigh

the anticipated expenditures in 2012

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	8,013,000	0	8,013,000	8,013,000	0	8,013,000	7/11	12/12
Contingency - % Subtotal	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Subtotal (Direct Costs)</b>	<b>\$8,013,000</b>	<b>\$0</b>	<b>\$8,013,000</b>	<b>\$8,013,000</b>	<b>\$0</b>	<b>\$8,013,000</b>		
Estimated G/A - 195.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$8,013,000</b>	<b>\$0</b>	<b>\$8,013,000</b>	<b>\$8,013,000</b>	<b>\$0</b>	<b>\$8,013,000</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

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

EA Originator: *Kelly Lew* 6/8/11  
 Department Director: *[Signature]* 6/13/11  
 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 \$8,174,600 additional documents, if any, which are hereby incorporated by project is made under Treasury Regulation Section 1.150-2.



# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: OCSD SOLIDS HANDLING 11/12

Project No: 20808 EA No: 1

Project Manager: HOOLIHAN, MICHAEL

Project Engineer: LEW, KELLY

Request Date: June 8, 2011

ID Split: Miscellaneous

### Improvement District (ID) Allocations

ID No. Allocation % Source of Funds

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

Total 100.0%

### Summary of Direct Cost Authorizations

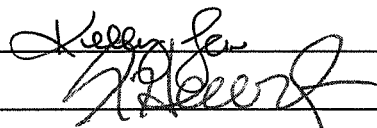
Previously Approved EA Requests:	\$0
This Request:	\$1,045,000
<b>Total EA Requests:</b>	<b>\$1,045,000</b>
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$1,045,000
<b>Updated Budget:</b>	<b>\$1,045,000</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

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

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION	1,045,000	0	1,045,000	1,045,000	0	1,045,000	7/11	6/12
Contingency - % Subtotal	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Subtotal (Direct Costs)</b>	<b>\$1,045,000</b>	<b>\$0</b>	<b>\$1,045,000</b>	<b>\$1,045,000</b>	<b>\$0</b>	<b>\$1,045,000</b>		
Estimated G/A - 195.00% of direct labor*	\$0	\$0	\$0	\$0	\$0	\$0		
<b>Total</b>	<b>\$1,045,000</b>	<b>\$0</b>	<b>\$1,045,000</b>	<b>\$1,045,000</b>	<b>\$0</b>	<b>\$1,045,000</b>		
Direct Labor	\$0	\$0	\$0	\$0	\$0	\$0		

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

EA Originator:

 6/8/11

Department Director:

 6/13/11

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 \$1,066,000 additional documents, if any, which are hereby incorporated by reference into this authorization. The official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

# IRVINE RANCH WATER DISTRICT

## Expenditure Authorization

Project Name: RW CONVERSION GRANTS FOR ON-SITE 11/12  
 Project No: 30360 EA No: 1  
 Project Manager: TETTEMER, JOHN  
 Project Engineer: HERR, GREGORY  
 Request Date: June 23, 2011

ID Split: Miscellaneous

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

### Summary of Direct Cost Authorizations

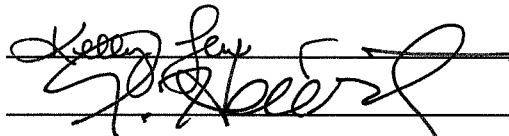
Previously Approved EA Requests:	\$0
This Request:	\$116,600
<b>Total EA Requests:</b>	<b>\$116,600</b>
Previously Approved Budget:	\$116,600
Budget Adjustment Requested this EA:	\$0
<b>Updated Budget:</b>	<b>\$116,600</b>
<b>Budget Remaining After This EA</b>	<b>\$0</b>

Comments: Source of funds is identified as Replacement Fund. However, Conservation Funds are a component of the Replacement Fund, and this project will ultimately be funded with the Conservation Fund.

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING IRWD	3,000	0	3,000	0	3,000	3,000	7/11	6/12
ENGINEERING - PLANNING OUTSIDE	3,000	0	3,000	0	3,000	3,000	7/11	6/12
ENGINEERING DESIGN - IRWD	0	0	0	0	0	0	7/11	6/12
ENGINEERING DESIGN - OUTSIDE	0	0	0	0	0	0	7/11	6/12
ENGINEERING - CA&I IRWD	0	0	0	0	0	0	7/11	6/12
CONSTRUCTION	100,000	0	100,000	0	100,000	100,000	7/11	6/12
Contingency - 10.00% Subtotal	\$10,600	\$0	\$10,600	\$0	\$10,600	\$10,600		
<b>Subtotal (Direct Costs)</b>	<b>\$116,600</b>	<b>\$0</b>	<b>\$116,600</b>	<b>\$0</b>	<b>\$116,600</b>	<b>\$116,600</b>		
Estimated G/A - 180.00% of direct labor*	\$5,400	\$0	\$5,400	\$0	\$5,400	\$5,400		
<b>Total</b>	<b>\$122,000</b>	<b>\$0</b>	<b>\$122,000</b>	<b>\$0</b>	<b>\$122,000</b>	<b>\$122,000</b>		
Direct Labor	\$3,000	\$0	\$3,000	\$0	\$3,000	\$3,000		

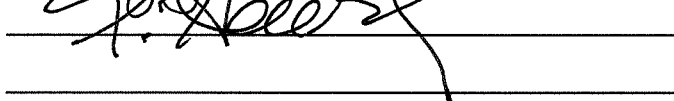
\*EA includes estimated G&A. Actual G&A will be applied based on the current ratio of direct labor to general and administrative costs.

EA Originator:



6/23/11

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 \$125,000. 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. 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: RW CONVERSION FOR OFF-SITE 11/12

Project No: 30362 EA No: 1

Project Manager: TETTEMER, JOHN

Project Engineer: HERR, GREGORY

Request Date: June 8, 2011

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

### Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
211	2.3	CAPITAL FUND
212	14.3	BONDS YET TO BE SOLD**
213	5.2	BONDS YET TO BE SOLD**
215	.8	CAPITAL FUND
221	14.3	BONDS YET TO BE SOLD**
230	10.4	BONDS YET TO BE SOLD**
240	8.4	BONDS YET TO BE SOLD**
250	34.4	BONDS YET TO BE SOLD**
261	9.9	BONDS YET TO BE SOLD**

Total 100.0%

### Summary of Direct Cost Authorizations

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

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	5,000	0	5,000	5,000	0	5,000	7/11	6/12
ENGINEERING DESIGN - OUTSIDE	5,000	0	5,000	5,000	0	5,000	7/11	6/12
DESIGN STAFF FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	7/11	6/12
ENGINEERING - CA&I IRWD	10,000	0	10,000	10,000	0	10,000	7/11	6/12
ENGINEERING - CA&I OUTSIDE	0	0	0	0	0	0	7/11	6/12
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	7/11	6/12
CONSTRUCTION	100,000	0	100,000	100,000	0	100,000	7/11	6/12
LEGAL	2,500	0	2,500	2,500	0	2,500	7/11	6/12
Contingency - 10.00% Subtotal	\$13,300	\$0	\$13,300	\$13,300	\$0	\$13,300		
<b>Subtotal (Direct Costs)</b>	<b>\$145,800</b>	<b>\$0</b>	<b>\$145,800</b>	<b>\$145,800</b>	<b>\$0</b>	<b>\$145,800</b>		
Estimated G/A - 195.00% of direct labor*	\$48,900	\$0	\$48,900	\$46,400	\$0	\$46,400		
<b>Total</b>	<b>\$194,700</b>	<b>\$0</b>	<b>\$194,700</b>	<b>\$192,200</b>	<b>\$0</b>	<b>\$192,200</b>		
Direct Labor	\$25,000	\$0	\$25,000	\$25,000	\$0	\$25,000		

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

EA Originator:

*Kelly Lee* \_\_\_\_\_ 6/8/11

Department Director:

*Gregory Herr* \_\_\_\_\_ 6/13/11

Finance:

\_\_\_\_\_

Board/General Manager:

\_\_\_\_\_

\*\* IRWD hereby declares that it reasonably expects those expenses incurred by IRWD in a maximum principal amount of \$197,000 additional documents, if any, which are hereby incorporated by project is made under Treasury Regulation Section 1.150-2.

A-6

to be reimbursed with proceeds of future debt to be further described in the attached staff report and local intent to reimburse costs of the above-captioned

June 27, 2011

Prepared by: C. Kessler/P. Weghorst

Submitted by: G. Heiertz

Approved by: Paul Jones

## CONSENT CALENDAR

### ON-CALL CEQA/NEPA AND PERMITTING SERVICES CONSULTANT SELECTIONS

#### SUMMARY:

The Irvine Ranch Water District (IRWD) utilizes Professional Service Agreements for on-call services related to California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) and regulatory permitting (On-call Agreements). The intended term of existing On-call Agreements has concluded. Staff solicited proposals from eight firms to perform future work. Staff requests that the Board authorize the General Manager to execute the following Professional Service Agreements:

- On-call CEQA/NEPA Services with ESA for \$120,000;
- On-call CEQA/NEPA Services with Dudek for \$120,000;
- On-call CEQA/NEPA Services with LSA for \$120,000;
- On-call Permitting Services with Harmsworth Associates for \$100,000; and
- On-call Permitting Services with ICF International for \$50,000.

#### BACKGROUND:

##### On-Call CEQA/NEPA Services:

IRWD must comply with the requirements of CEQA for all project activities. Where federal government action or funding is involved, compliance with NEPA is required. The use of an on-call CEQA/NEPA Professional Services Agreement allows IRWD to quickly address environmental review requirements of various time-sensitive projects. The majority of tasks performed under On-call CEQA/NEPA Services Agreements include general consultation and the preparation of Negative Declarations, Mitigated Negative Declarations, Environmental Assessments and Findings of No Significant Impact. Over the last two years, approximately \$365,000 of CEQA/NEPA services were executed on an on-call basis under agreements with environmental consultants ESA, LSA and ICF International.

##### On-Call Permitting Services:

IRWD must comply with statutes, regulations, policies, and programs that provide for permitting to carry out new projects, conduct operations and maintenance, and address emergency conditions. The use of On-call Professional Service Agreements for Permitting Services allows IRWD to task consultants to initiate time-sensitive activities associated with environmental compliance immediately. The majority of the tasks performed under On-call Permitting Professional Services Agreement include biological surveys, regulatory agency permit application preparation and jurisdictional delineations. Over the last two years, approximately

\$183,000 of permitting services was executed on an on-call basis under agreements with Harmsworth Associates and LSA.

Based on past utilization and future expectations, staff has estimated On-Call CEQA/NEPA and Permitting Services needs for the next two years. Staff is recommending that Professional Service Agreements be entered into with five separate firms. Three firms will perform CEQA/NEPA services under agreements for an amount up to \$120,000 each, one firm will perform permitting services under an agreement for an amount up to \$100,000 and one firm will perform permitting services under an agreement for an amount up to \$50,000. Under these agreements, staff will issue project specific task orders requesting that the consultant provide a cost estimate and schedule prior to staff approval of the work.

Consultant Selection for On-Call CEQA/NEPA Services:

A Request for Proposal (RFP) for On-Call CEQA/NEPA Services was distributed to eight environmental consulting firms. The RFP asked the consultants to demonstrate a solid understanding of CEQA and NEPA, and associated processes. The RFP also asked the consultants to show broad expertise and experience in performing CEQA/NEPA analysis and review work. In addition, the consultants were asked to demonstrate a history of successful CEQA/NEPA activities on behalf of other clients and a long-standing working relationship with these agencies and their representatives.

Proposals for providing On-Call CEQA/NEPA Consulting Services were received from seven consulting firms: Dudek, ICF International, ESA, LSA Associates, Inc. (LSA), Micheal Brandman Associates, Bonterra Consulting, and Infastructure Engineering Corp (IEC). Harmsworth Associates declined to submit.

Consultant Selection for On-Call Permitting Services:

An RFP for On-Call Permitting Services was distributed to eight environmental consulting firms. The RFP asked the consultants to demonstrate an understanding of the processes of natural resource, wildlife and regulatory agencies with jurisdiction over permits and mitigation requirements. The consultants were asked to commit to responding to requests for service from IRWD in a timely and cost-effective manner. The RFP also requested that the consultants document their knowledge and experience with endangered species issues and regulations, IRWD's Natural Treatment System, and the Natural Community Conservation Plan (NCCP).

Proposals for providing On-Call Monitoring and Permitting Services were received from six consulting firms: Dudek, ICF International, LSA Associates, Inc. (LSA), Micheal Brandman Associates, Bonterra Consulting, and Harmsworth Associates. ESA and IEC declined to submit.

Staff reviewed the proposals and recommends the firms listed below be awarded agreements.

- CEQA/NEPA Services with ESA for \$120,000;
- CEQA/NEPA Services with Dudek for \$120,000;
- CEQA/NEPA Services with LSA for \$120,000;
- Permitting Services with Harmsworth \$100,000; and
- Permitting Services with ICF International for \$50,000.

The firms listed above, demonstrated extensive knowledge and experience with CEQA and NEPA or Permitting and committed to staff availability on an on-call basis. The recommendations are also based on the excellent qualifications of each project team. A CEQA/NEPA Services Evaluation Matrix based on evaluation of the proposals is provided as Exhibit "A" and a Permitting Services Evaluation Matrix based on evaluation of the proposals is provided as Exhibit "B." Proposals from the recommended firms are included as Exhibits "C," "D," "E," "F," and "G."

FISCAL IMPACTS:

No new project budgets or Expenditure Authorizations (EAs) are required in executing these agreements. Task orders for specific projects with budgets and EAs will be given to the consultants under the agreements.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on June 21, 2011.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE PROFESSIONAL SERVICE AGREEMENTS WITH ESA, DUDEK AND LSA TO PROVIDE ON-CALL CEQA/NEPA SERVICES NOT TO EXCEED \$120,000 EACH, HARMSWORTH ASSOCIATES TO PROVIDE ON-CALL PERMITTING SERVICES NOT TO EXCEED \$100,000 AND ICF INTERNATIONAL TO PERFORM ON-CALL PERMITTING SERVICES NOT TO EXCEED \$50,000.

LIST OF EXHIBITS:

- Exhibit "A" – CEQA/NEPA Services Evaluation Matrix
- Exhibit "B" – Permitting Services Evaluation Matrix
- Exhibit "C" – ESA Proposal for On-Call CEQA/NEPA Services
- Exhibit "D" – Dudek Proposal for On-Call CEQA/NEPA Services
- Exhibit "E" – LSA Proposal for On-Call CEQA/NEPA Services
- Exhibit "F" – Harmsworth Associates Proposal for On-Call Permitting Services
- Exhibit "G" – ICF International Proposal for On-Call Permitting Services



# Exhibit "A"

## ON-CALL CEQA / NEPA CONSULTATION SERVICES EVALUATION MATRIX

Item	Description	Weights	Dudek	ICFI	ESA	LSA	Michael Brandman Associates	Bonterra Consulting	Infrastructure Engineering Corp
<b>A</b>	<b>Demonstration of CEQA/NEPA Skills and Rates</b>								
1	Understanding of IRWD's Needs	20%	3.00	2.25	1.25	3.50	5.75	5.25	7.00
2	Demonstration of CEQA Skills and Abilities	20%	2.00	3.00	1.75	4.00	4.25	6.75	6.25
3	Demonstration of NEPA Skills and Abilities	20%	2.25	3.50	1.25	3.25	4.75	6.00	7.00
4	Provided Staff Rates Consistent with Skills and Abilities Over Range of Staff on Project	20%	1.75	4.00	1.25	3.25	5.25	5.75	6.75
5	Demonstrated Ability to Coordinate with Other Consultants / Engineers	10%	3.25	7.00	1.00	4.25	4.00	4.75	4.50
6	Demonstrated Experience with MWRPs	10%	2.50	4.75	1.50	3.50	3.75	5.00	7.00
	<b>Weighted Score</b>	<b>30%</b>	<b>2.38</b>	<b>3.73</b>	<b>1.35</b>	<b>3.58</b>	<b>4.78</b>	<b>5.73</b>	<b>6.55</b>
<b>B</b>	<b>DEMONSTRATION OF PROJECT SCOPING, COST ESTIMATING, AND SCHEDULING</b>								
1	Content of Sample Scope of Work	33.33%	2.50	3.00	1.25	3.75	4.50	6.75	6.25
2	Content and Approach to Sample Cost Estimating	33.33%	2.25	3.75	1.75	2.50	4.75	6.75	6.25
3	Content and Approach to Sample Scheduling	33.33%	2.50	4.00	1.00	2.75	4.75	6.75	6.25
	<b>Weighted Score</b>	<b>30%</b>	<b>2.42</b>	<b>3.58</b>	<b>1.33</b>	<b>3.00</b>	<b>4.67</b>	<b>6.75</b>	<b>6.25</b>
<b>C</b>	<b>QUALIFICATION AND EXPERIENCE</b>								
1	Principal / Director		John Porteous BA, MA, CEP, 28 yrs exp	Charles Smith MPE, BS, AICP, 20 yrs exp	Tom Barnes BA, REA, 19 yrs exp	Michael Amling BS, 20 yrs exp	Michael Brandman Ph.D., 35 yrs exp	Kathleen Brady BS, AICP, 33 yrs exp	Anna Bulsing Ph.D P.G
		20%	1.50	5.75	2.50	4.75	4.00	4.50	6.00
2	Project Manager		Paul Amberg BA, AA, 40 yrs exp	Chad Beckstrom BA, MA, AICP, 15 yrs exp	Jennifer Jacobus Ph.D 9 yrs exp	Laura Rocha BA, MS, 8 yrs exp	Michael Houlhan BS, 26 yrs exp	Jennifer Marks BS, 12 yrs exp	Anna Bulsing Ph.D P.G
		30%	2.00	5.00	1.00	3.50	5.00	5.50	6.00
3	Project Team	30%	2.00	5.00	1.00	3.50	4.75	5.50	6.25
4	Firm's Relevance Experience	20%	2.00	5.00	1.00	3.50	5.00	5.50	6.00
	<b>Weighted Score</b>	<b>20%</b>	<b>1.90</b>	<b>5.15</b>	<b>1.30</b>	<b>3.75</b>	<b>4.73</b>	<b>5.30</b>	<b>5.88</b>
<b>D</b>	<b>REFERENCES</b>								
	Reference Project 1		Peter Canyon Siphon Feasibility	On Call CEQA/NEPA	Wells 21 22 TL1 MND & Add.	IRWD On-Call Permitting Services	OC Water District	San Diego Creek NTS EIR	Granite Rock Co
	Score	50%	2.00	6.00	1.00	4.00	4.50	5.75	4.75
	Reference Project 2		South OC Interconnect	OC Feeder Ext Pipeline	Strand Ranch EIR & Add.	Santiago Perm Generators	L.A. DWP	SMWD On Call	City of Meho Pk
	Score	50%	2.00	6.00	1.00	4.25	4.75	5.50	4.50
	<b>Weighted Score</b>	<b>20%</b>	<b>2.00</b>	<b>6.00</b>	<b>1.00</b>	<b>4.13</b>	<b>4.63</b>	<b>5.63</b>	<b>4.63</b>
	<b>COMBINED WEIGHTED SCORE</b>	<b>100%</b>	<b>2.22</b>	<b>4.42</b>	<b>1.28</b>	<b>3.55</b>	<b>4.70</b>	<b>5.93</b>	<b>5.94</b>
<b>E</b>	<b>OTHER</b>								
	Multiplier		Not Listed	2.9	3.25	Not Listed	Not Listed	Not Listed	Not Listed
	Sub Consultants		None	None	Paleo Solutions	None	None	Yes	Several
	Exceptions taken to IRWD Std. Contract		None	None	None	None	None	None	None
	Insurance (General Liability)		Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Insurance (Professional)		Yes	Yes	Yes	Yes	Yes	Yes	Yes
	<b>Forced Rankings:</b>		<b>2</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>6</b>	<b>7</b>





ON-CALL PERMITTING SERVICES EVALUATION MATRIX

Item	Description	Weights	Dudek	ICFI	Harmsworth	LSA	Michael Brandman	Bonterra
<b>A</b>	<b>Demonstration of Permitting Skills and Rates</b>							
1	Understanding of IRWD's Needs	10%	3	2	1	6	5	4
2	Land Use Planning	5%	2	1	4	5	3	6
3	Regulatory Agency Consultation, Permit Application, and Procurement	10%	2	3	1	4	6	5
4	Wetland Delineation	10%	3	2	1	6	5	4
5	Biological Survey, Monitoring, Assessment	10%	3	4	1	5	6	2
6	Threatened & Endangered Species Regulation, Monitoring and Reporting	10%	4	3	1	6	5	2
7	Mitigation Monitoring and Reporting	5%	2	3	1	6	4	5
8	Water Quality, Stormwater Monitoring and Reporting	5%	5	1	2	6	4	3
9	Natural Treatment System (NTS)	10%	3	5	1	2	4	6
10	Natural Community Conservation Plan/ Habitat Conservation Plan (NCCP)	10%	2	3	1	5	4	6
11	Coordination with other Consultants/Engineers	5%	5	2	1	6	4	3
12	Staff Rates Consistent with Skills and Abilities Over Range of Staff on the Project	10%	4	2	1	5	6	3
	<b>Weighted Score</b>	<b>30%</b>	<b>3.1</b>	<b>2.8</b>	<b>1.2</b>	<b>5.1</b>	<b>4.9</b>	<b>4.1</b>
<b>B</b>	<b>DEMONSTRATION OF PROJECT SCOPING, COST ESTIMATING, AND SCHEDULING</b>							
1	Content of Sample Scope of Work	33.33%	2	3	1	4	6	5
2	Content and Approach to Sample Cost Estimating	33.33%	2	3	1	5	4	6
3	Content and Approach to Sample Scheduling	33.33%	6	3	1	2	5	4
	<b>Weighted Score</b>	<b>30%</b>	<b>3.3</b>	<b>3.0</b>	<b>1.0</b>	<b>3.7</b>	<b>5.0</b>	<b>5.0</b>
<b>C</b>	<b>QUALIFICATION AND EXPERIENCE</b>							
1	Principal / Director	20%	6	4	1	2	3	5
			Sherr Miller BS, MS 17 yrs exp	Charles Smith MPI, BS, AICP, 20 yrs	Rod Harmsworth Ph.D 30+ yrs exp.	Art Homrighausen BS, MS 27 yrs exp	Michael Brandman Ph.D, 35 yrs exp	Ann Johnston BA, 22 yrs exp

2	Project Manager		Vipul Joshi	Lesley Hill	Paul Galvin	Blake Selha	Ken Lord	Gary Medeiros
		30%	BS, 13 yrs exp	BA, 10 yrs exp	MS 20+ yrs exp	BA, 11 yrs exp	Ph.D, 30 yrs exp	BA, 30 yrs exp
			3	2	1	6	4	5
3	Project Team	30%	3	2	1	6	4	5
4	Firm's Relevance Experience	20%	3	2	1	6	4	5
	<b>Weighted Score</b>	<b>20%</b>	3.6	2.4	1.0	5.2	3.8	5.0
<b>D</b>	<b>REFERENCES</b>							
	Reference Project 1		MWRP Phase II EIR	Caltrans	The Irvine Company	On-Call Permitting	City of Anaheim	San Diego Creek NTS EIR
	Score	50%	3	4	1	2	5	6
	Reference Project 2		Syphon Reservoir	City of Murrieta	Nature Conservancy	2005-2007 On Call Marsh	L.A. DWP	Prima Deshecha Landfill
	Score	50%	3	4	1	2	5	6
	<b>Weighted Score</b>	<b>20%</b>	3.0	4.0	1.0	2.0	5.0	6.0
	<b>COMBINED WEIGHTED SCORE</b>	<b>100%</b>	3.25	3.00	1.06	4.05	4.71	4.91
<b>E</b>	<b>OTHER</b>							
	Multiplier		Not Listed	2.9	3.25	Not Listed	Not Listed	Not Listed
	Sub Consultants		None	None	None	None	None	Yes
	Exceptions taken to IRWD Std. Contract		None	None	None	None	None	None
	Insurance (General Liability)		Yes	Yes	Yes	Yes	Yes	Yes
	Insurance (Professional)		Yes	Yes	Yes	Yes	Yes	Yes
	<b>Forced Rankings:</b>		<b>3</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>6</b>

# Exhibit "C"

Proposal

## IRVINE RANCH WATER DISTRICT GENERAL ENVIRONMENTAL SERVICES CEQA/NEPA

Prepared for  
Irvine Ranch Water District

May 20, 2011



626 Wilshire Boulevard  
Suite 1100  
Los Angeles, CA 90017  
213.599.4300  
[www.esassoc.com](http://www.esassoc.com)

Oakland

Olympia

Palm Springs

Petaluma

Portland

Sacramento

San Diego

San Francisco

Seattle

Tampa

Woodland Hills

P211448

# CONTENTS

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## Irvine Ranch Water District General Environmental Services On-Call CEQA/NEPA

	<u>Page</u>
SECTION 1. Introduction, References, and Contractual Review	1-1
SECTION 2. ESA Team and Qualifications	2-1
SECTION 3. Scope of Work	3-1
SECTION 4. Schedule	4-1
SECTION 5. Budget and Fees	5-1

### APPENDICES

- Appendix A: Insurance
- Appendix B: Resumes
- Appendix C: Sample Scope/Schedule/Budget Package

## SECTION 1

### Introduction, References & Contractual Review

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*ESA's office locations:*

- *Los Angeles*  
*626 Wilshire Blvd.*  
*Suite 1100*  
*Los Angeles, CA 90017*  
*(213) 599-4300 office*  
*(213) 599-4301 fax*
- *San Diego, CA*
- *San Francisco, CA*
- *Sacramento, CA*
- *Oakland, CA*
- *Petaluma, CA*
- *Woodland Hills, CA*
- *Tampa, FL*
- *Portland, OR*
- *Seattle, WA*
- *Olympia, WA*

Environmental Science Associates (ESA), a California Corporation, is a multidisciplinary environmental consulting firm offering services in planning and environmental analysis for a wide range of both public and private clients. ESA has a growing professional staff of approximately 300 employees.

ESA's Water Group focuses specifically on California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA) compliance and permit acquisition for water and wastewater infrastructure projects. We understand, from current and repeated experience, the technical and regulatory issues, public concerns, and CEQA/NEPA standards of practice that are specific to the review of water infrastructure projects in the region. In particular, ESA is well versed in the environmental review requirements of water and wastewater infrastructure funding sources such as the State Revolving Fund (SRF) and the US Bureau of Reclamation, Title XVI.

ESA also has a dedicated Energy Group that focuses on CEQA/NEPA compliance for energy and renewable resources projects, such as solar and wind energy generation. ESA staff in both our Biological Resources & Land Management (BRLM) Group and Cultural Resources Group specialize in mitigation monitoring and construction monitoring. Staff from all ESA

practice groups, including the Water, Energy, BRLM, and Cultural Resources Groups, regularly work together on multi-disciplinary projects to provide the technical support and knowledge required for such projects.

The services performed for Irvine Ranch Water District (IRWD or District) under this contract will be managed from our Los Angeles Office. **Mr. Tom Barnes**, Director of the ESA Southern California Water Group will be the primary point of contact and responsible for quality control of all products.

ESA's major strengths are our commitment to customer service, teamwork, and the coordination it takes to prepare effective interdisciplinary environmental impact analyses and design mitigation. ESA has depth and diversity of staff, including urban and regional planners, geographers, water resources specialists, hydrogeologists, biologists, ecologists, archaeologists, hazardous materials technicians, chemists, engineers, and economists. The staff selected for this on-call assignment as described in **Section 2** have an extensive portfolio of experience relative to the District's environmental compliance needs. As our core business, ESA routinely prepare Initial Studies, Addenda, Negative Declarations, Mitigated Negative Declarations (MNDs), and Environmental Assessments (EAs) for water and wastewater utilities. As needed, ESA staff also routinely conduct stand-alone technical studies and constraints analyses to assess project impacts to biological resources; cultural resources; traffic; air quality and noise; energy, greenhouse gas emissions and climate change; aesthetics; and water quality.

## Sample Contract and Insurance

ESA has reviewed the sample contract provided as an attachment to the request for proposal (RFP) and agrees to the terms and conditions. If selected to provide the services under this contract, ESA is prepared to furnish the Contracting Officer with acceptable evidence showing that the insurance coverage required has been procured. ESA has insurance coverage of \$1 million each for general liability, property damage, worker's compensation, automobile, and professional liability. We will provide proof of insurance through our carrier, Woodruff-Sawyer & Co., upon award of this project. An example of our insurance coverage is attached in **Appendix A**.

## Joint Venture and Subcontractors

ESA does not propose to utilize any joint venture during the course of this project. ESA routinely engages in subcontract arrangements when technical specialties that are beyond our in-house capabilities are required and appropriate for a project. We have worked with many firms in the area, including traffic engineering firms, local cultural resources specialists, as well as specialized biological resource personnel. We are open to a variety of teaming arrangements where it suits IRWD and the particular project. The only subcontractor proposed at this time is **Paleo Solutions, Inc.** (see **Section 2**).

## Conflict of Interest

ESA is unaware of any real or apparent conflict of interest involved with this project with the Irvine Ranch Water District. If any potential conflict of interest arises during the course of the work, ESA will notify the District before undertaking future assignments that would result in an apparent conflict of interest.

## References

ESA has gained a reputation for responsive service, technical excellence, and quality work. Our client references are provided in the table below. ESA prides itself on the quality of work performed for its clients. The projects listed are described further in **Section 2**. We invite you to contact our references as testament to the high quality professional services that ESA is known for.

References	ESA Project
Paul Weghorst, Principal Water Resources Manager Christian Kessler Irvine Ranch Water District 949/453-5300	<ul style="list-style-type: none"> <li>▪ Wells 21 &amp; 22/Well TL-1 Project MND/IS/EA &amp; Addendum No. 1</li> <li>▪ Strand Ranch Integrated Banking Project EIR Addendum No. 1</li> <li>▪ Jackson Ranch Water Allocation Project IS/MND</li> <li>▪ Baker Water Treatment Plant Project EIR</li> </ul>
Ted Craddock, P.E., Program Manager Department of Water Resources Division of Engineering 916/653-9469	<ul style="list-style-type: none"> <li>▪ East Branch Extension Phase II EIR</li> <li>▪ Crafton Hills Reservoir Enlargement Supplemental EIR No. 2</li> <li>▪ Perris Lake Dam Seismic Retrofit Project EIR</li> </ul>
Alberto Acevedo Orange County Sanitation District 714/593-7846	<ul style="list-style-type: none"> <li>▪ Newport Trunk Sewer EIR, biological monitoring, permitting</li> </ul>
David Rydman County of Los Angeles Department of Public Works - Waterworks Division 626/300-3351	<ul style="list-style-type: none"> <li>▪ North Los Angeles/Kern County Regional Recycled Water Project Program EIR</li> <li>▪ Phase 2 Regional Recycled Water Project MND/EA</li> </ul>

## SECTION 2

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### ESA Team and Qualifications

The following key ESA staff would assume primary responsibility for performing the work anticipated for this On-Call Services contract. Resumes providing further detail can be found in **Appendix B**.

#### Key Management Team

**Tom Barnes, Project Director**, Director of ESA's Southern California Water Group, will serve as Project Director and will be the primary contact for IRWD. Tom has over 19 years experience in CEQA/NEPA analysis, project management, environmental documentation, permit review and facilitation, and data analysis. His recent experience has included managing the preparation of MNDs and Environmental Impact Reports (EIRs) for water and wastewater districts and maintaining close communication with clients, agencies, and subcontractors to facilitate timely completion of work products. Tom has managed several on-call contracts for water agencies including IRWD, Metropolitan Water District of Southern California (Metropolitan), Helix Water District, and the California Department of Water Resources (DWR).

**Jennifer Jacobus, Ph.D., Project Manager**, is an ecologist with nine years experience in CEQA/NEPA analysis, including project management, technical research, biological field work, data analysis and natural resource permitting. As a Senior Project Manager in ESA's Southern California Water Group, Jennifer specializes in the preparation of environmental documents exclusively for water and wastewater projects, including treatment plant upgrades; water supply pipelines and wellheads; recycled water facilities including pipelines, pump stations, and storage tanks; wastewater facility expansions; groundwater recharge and reuse facilities; groundwater banking; water rights; and river diversion/discharge projects. She has successfully completed numerous CEQA-Plus documents supporting lead agencies' applications for funding for SRF loans through the State Water Resources Control Board and has completed NEPA environmental documentation necessary to satisfy funding requirements of the U.S. Bureau of Reclamation (Bureau) and U.S. Environmental Protection Agency (USEPA). Jennifer has worked for several on-call clients, including IRWD, Metropolitan, and DWR.

#### Management Team Availability

Our project management team of Tom Barnes and Jennifer Jacobus will be based from our Los Angeles office. Tom Barnes will direct ESA's comprehensive scope of work performance, providing senior strategic planning, oversight of CEQA/NEPA process execution, and quality control. Jennifer Jacobus, will provide a second point of contact for IRWD. The schedule will drive the projects and tasks as they are identified. Both Tom and Jennifer will commit time as specific tasks warrant. ESA is committed to meeting project schedule deadlines, and we have recent experience with IRWD dedicating the time needed to get the job done on time. The sample budget included in **Appendix C** illustrates the typical relative percentage of time all team members are expected to contribute to each project.

Jennifer will be the key team member responsible for schedule management. She will monitor the progress of technical analysis, notify team members of deadlines ahead of time, organize conference calls,



and manage production staff. Tom and Jennifer have successfully worked together to manage other ESA Water projects in Southern California, including IRWD's Strand Ranch Integrated Banking Project EIR, Baker Water Treatment Plant Project EIR; and Wells 21 & 22 Project/Tustin Legacy Well 1 Project MND/EA; and on-call projects for DWR and Metropolitan.

### **Project Controls and Invoicing**

ESA engages in a proactive approach to tracking, reporting and controlling costs so that budgets are managed effectively. The first step in managing project costs is working closely with the client to establish a clear and detailed scope, schedule and budget. The scope of services assures that the project is undertaken with maximum efficiency. ESA Water has maintained a continuity of leadership and team members for its projects. This continuity assures our clients that each project benefits from the efficiencies of a familiar team and receives the budget supervision it deserves. We conscientiously advises our clients when requested to perform services outside the scope of work to protect our clients from cost overruns.

ESA uses the DELTEK electronic time reporting system to monitor and track staff activities for each project and submit monthly invoices in a timely manner. This system allows real-time monitoring of labor costs, which are compiled weekly and are used to measure project performance, percentage of completion and percentage of budget spent. We include a progress report with each monthly invoice, indicating activities performed for active tasks during the invoicing period, expected activities for the next monthly period, and any expected challenges or problems. As requested in the RFP, we will customize the progress report to also include a summary of individual staff hours per project and any permitting and filing fees. Under this contract, ESA will provide separate invoices for each project, along with a monthly summary of the overall Purchase Order (PO) status, as requested in the RFP. The PO status summary would track of the total PO amount (including any variances), amounts expended to-date including the latest invoices, amounts committed to-date in accordance with approved project scopes and budgets, and PO amount remaining. Similarly, ESA's invoices always include total approved project budget, amount previously expended, amount expended for the current monthly billing period, and budget remaining.

All ESA work products are subject to a stringent Quality Assurance/Quality Control (QA/QC) Program. The Program consists of multiple levels of review, each requiring a sign-off from the manager in charge. Each work product under this On-Call Contract would receive final review from the Project Director and Project Manager prior to submittal to the client. The process provides for clear, traceable lines of responsibility for technical and editorial accuracy and completeness.

### **Key Technical Team**

The following table provides a summary of the key technical staff proposed for this On-Call Services contract. The following individuals will be available, as needed, depending on the scope of individual projects. Our proposed management and technical teams have an extensive history of working together on many CEQA/NEPA projects described later in this section. In addition to the team highlighted below, ESA has a deep pool of technical expertise company-wide, providing diverse perspectives and insight to assist our clients in tackling the unique issues that arise in the field during project planning and implementation.

TABLE 2-1: SUMMARY OF KEY PERSONNEL QUALIFICATIONS (ALPHABETICAL ORDER)

Name & Responsibility	Education	Technical Expertise
<b>Gregory Ainsworth</b> <i>Biological Resources</i>  Years Experience: 11	M.A. Environmental Planning, California Polytechnic State University, San Luis Obispo  B.S. Environmental Horticulture Science, California Polytechnic State University, San Luis Obispo	<ul style="list-style-type: none"> <li>• Director of ESA Southern California Biological Resources Group</li> <li>• Data collection and analysis including focused surveys for plants, animals (large and small mammals [including bats], reptiles, amphibians, and nesting birds), sensitive plant communities and habitats, tree surveys, and jurisdictional permit packages per the Clean Water Act (CDFG Streambed Alteration Agreement and Section 401/404 Permit Applications), and other resource planning/permitting</li> </ul>
<b>Geraldine Aron</b> <b>(Paleo Solutions, Inc.)</b> <i>Paleontological Resources</i>	M.S., Geological Sciences, California State University, Long Beach  B.S., Geological Sciences, California State University, Long Beach	<ul style="list-style-type: none"> <li>• 12 years of experience in the field of paleontology</li> <li>• IRWD Paleontological Assessment Sensitivity Report for the Baker Regional Water Treatment Plant</li> <li>• Final Paleontological Report- Geology of the Nacimiento Water Project</li> </ul>
<b>Poonam Boparai</b> <i>Air Quality and Greenhouse Gas Emissions</i>  Years Experience: 6	M.S., Environmental Engineering, University of Illinois, Urbana - Champaign  Bachelor of Engineering, Chemical Engineering, Birla Institute of Technology and Science, Pilani, India	<ul style="list-style-type: none"> <li>• Proficient in conducting emissions inventories and dispersion modeling using a variety of U.S. Environmental Protection Agency and California Air Resources Board approved models (e.g., URBEMIS and AERMOD)</li> <li>• Solid understanding of air quality and GHG protocols promulgated by ARB and regional California air districts, including South Coast AQMD</li> </ul>
<b>Michael Burns, REA, PG, CEG, CHG</b> <i>Geology/Hydrology</i>  Years Experience: 30	B.S., Geology, San Jose State University	<ul style="list-style-type: none"> <li>• Over 30 years of experience in the environmental and geological sciences</li> <li>• Provides expert services in planning and permitting, site characterization, Superfund sites, Remedial Investigation/ Feasibility Studies, waste management, litigation support, property assessments, development and redevelopment, soil and groundwater remediation, and water rights</li> </ul>
<b>Jack Hutchison, PE</b> <i>Transportation/Traffic</i>  Years Experience: 30	M.Eng., Transportation Engineering, Pennsylvania State University  B.S., Civil Engineering, University of Connecticut	<ul style="list-style-type: none"> <li>• Registered Traffic Engineer in the State of California</li> <li>• Over 30 years of experience in a wide range of transportation analyses, from planning-level impact analyses to operations and design evaluations</li> </ul>
<b>Eric Schniewind</b> <i>Hydrology/ Water Quality and Hazards/ Hazardous Materials</i>  Years of Experience: 16	B.A., Geological Sciences, UC Santa Barbara	<ul style="list-style-type: none"> <li>• Soil and groundwater contamination studies, environmental remediation planning and implementation, and pre-acquisition site assessments</li> <li>• Project management, site historical research, report preparation, aquifer and well tests analysis, fault hazards and landslide hazard studies</li> </ul>
<b>Monica Strauss, RPA</b> <i>Cultural Resources</i>  Years Experience: 15	M.A., Archaeology, California State University, Northridge  B.A., Anthropology, California State University, Northridge	<ul style="list-style-type: none"> <li>• 12 years of experience in cultural resources management, including archaeological investigations; prehistoric and historic field and research projects; conducting/managing construction monitoring</li> <li>• Regularly provides prehistoric and historic field and research projects for public agencies and private developers throughout Southern California</li> </ul>



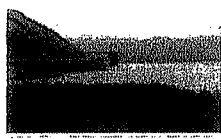

## Subconsultants






Paleo Solutions, Inc. (Paleo) will provide paleontological resource specialist services under this contract. The Paleo team consists of trained technical staff possessing extensive experience working on federal projects, pipeline projects, surveys, preparation of technical reports for use in CEQA/NEPA compliance documents, and preparation of paleontological mitigation plans. Paleo has provided specialist services for previous IRWD projects, including the Baker Water Treatment Plan Project EIR.




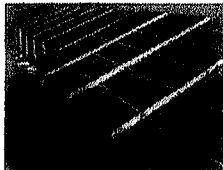
## ESA Qualifications and Experience

ESA's breadth of project experience provides IRWD with the best combination of regional perspective and local understanding for water supply infrastructure issues.

Presented on the following pages is a sampling of ESA's relevant and similar experience with CEQA/NEPA analysis and documentation for water/wastewater projects and energy projects, including our recent experience with on-call services contracts. These projects demonstrate ESA's experience and understanding of the key issues for analyzing water infrastructure and energy projects. ESA has a proven track record for understanding the client's priorities, meeting critical deadlines, working and coordinating with other consultants and engineering firms, and successfully completing of legally-defensible environmental compliance documents.

	Relevant Projects	Services Provided
<b>On-Call / As- Needed Contracts</b>		
	<p><b>IRWD General Environmental Services On-Call CEQA/ NEPA</b>                      ESA provided on-call environmental consulting services for IRWD (CEQA/ NEPA) for an array of small project activities. Major projects:</p> <ul style="list-style-type: none"> <li>• Wells 21 &amp; 22/Well TL-1 Project MND/IS/EA and Addendum No.1</li> <li>• Strand Ranch Integrated Banking Project EIR Addendum No. 1</li> <li>• Jackson Ranch Water Allocation Project IS/MND</li> <li>• Stockdale West Ranch Pilot Project Notice of Exemption</li> <li>• Natural Treatment System Site 67 Addendum No. 1</li> </ul>	<ul style="list-style-type: none"> <li>• CEQA</li> <li>• NEPA</li> <li>• On-Call Services</li> </ul>
	<p><b>Metropolitan Water District of Southern California (MWD) As-Needed Environmental Planning Services</b>                      ESA has provided on-call environmental services to the MWD, including CEQA compliance, natural resource permitting, and specialized biological and cultural resources surveys. ESA has provided field surveying and mitigation monitoring compliance services, including regular monitoring of construction projects at Joseph P. Jensen Filtration Plant and Lake Mathews facilities. Major Projects:</p> <ul style="list-style-type: none"> <li>• Weymouth Filtration Plant General Construction Monitoring</li> <li>• OC-88 Energy Savings Modifications Project MND</li> <li>• Colorado River Aqueduct (CRA) Conveyance Reliability Program MND and Addenda</li> </ul>	<ul style="list-style-type: none"> <li>• CEQA</li> <li>• Technical Studies</li> <li>• On-Call Services</li> <li>• MMRP Implementation</li> <li>• Mitigation Monitoring</li> </ul>
	<p><b>California Department of Water Resources (DWR) On-Call Environmental Planning Services</b>                      As part of an on-call Environmental Planning Services contract with the DWR, ESA is preparing the environmental analyses, documentation, and permits for various projects along the State Water Project and performing construction monitoring. Major Projects:</p> <ul style="list-style-type: none"> <li>• East Branch Extension Phase II EIR</li> <li>• Crafton Hills Reservoir Enlargement Supplemental EIR No. 2</li> <li>• Perris Lake Dam Seismic Retrofit Project EIR</li> <li>• Piru Creek Gaging Station Special Use Permit Construction Monitoring</li> </ul>	<ul style="list-style-type: none"> <li>• CEQA</li> <li>• On-Call Services</li> <li>• Mitigation Monitoring</li> </ul>
	<p><b>Orange County Sanitation District On-Call CEQA Services</b>                      ESA has provided on-call environmental services for OCSD since 2001. The on-call services consist of the preparation of CEQA documents, including addenda, supplemental EIRs, negative declarations, and Notices of Exemption, and performing construction monitoring. Major Projects:</p> <ul style="list-style-type: none"> <li>• Newport Trunk Sewer SEIR, MMRP, Construction Monitoring</li> <li>• Ellis Pump Station SEIR</li> <li>• Bitterpoint Pump Station MND</li> </ul>	<ul style="list-style-type: none"> <li>• CEQA</li> <li>• On-Call Services</li> <li>• Biological Surveys</li> <li>• Mitigation Monitoring</li> </ul>

	Relevant Projects	Services Provided
	<p><b>Kern County Planning Master Contract for Solar Projects</b></p> <p>ESA is preparing EIRs for more than seven photovoltaic solar projects in the desert region of Kern County. All the projects are on a "fast track" schedule with the expectation of certification in nine to twelve months. In addition to preparing the EIRs, ESA is reviewing all technical reports for adequacy and compliance with CEQA requirements. Projects include:</p> <ul style="list-style-type: none"> <li>• Antelope Valley Solar - 5,698 acres</li> <li>• Monte Vista Solar Array -1,040 acres</li> <li>• Rosamond Solar Array - 1,177 acres</li> <li>• Rosamond Solar Project - 960 acres</li> <li>• Willow Springs Solar Array - 1,402 acres</li> </ul>	<ul style="list-style-type: none"> <li>• CEQA</li> <li>• On-Call Services</li> <li>• Technical Studies</li> </ul>
<p><b>Individual Projects</b></p>		
	<p><b>IRWD Biosolids Handling and Energy Recovery Facilities Project EIR</b></p> <p>IRWD is proposing to implement solids handling facilities at the Michelson WRP rather than continuing to transport sludge to Orange County Sanitation District. Since 1988 all residuals from the Michelson WRP have been conveyed to OCSD for processing and disposal. The proposed project would provide a complete biosolids process, biogas management, and energy generation system for the Michelson and Los Alisos WRPs. ESA is preparing the EIR for the proposed project. The Notice of Preparation was released in March 2011.</p>	<ul style="list-style-type: none"> <li>• CEQA</li> </ul>
	<p><b>IRWD Strand Ranch Integrated Banking Project EIR</b></p> <p>IRWD and Rosedale-Rio Bravo Water Storage District are partners in development of new groundwater banking facilities in Kern County. The Integrated Banking Project would develop groundwater recharge and recovery facilities on Strand Ranch, annex Strand Ranch into Rosedale's service area, and integrate the project facilities into Rosedale's existing Conjunctive Use Program. Project facilities include recharge basins, water supply channels, and recovery wells and pipelines. The recharge and recovery waters would be delivered to/from the project site via the Cross Valley Canal, which is part of the State Water Project. This EIR was successfully completed and certified in 2008.</p>	<ul style="list-style-type: none"> <li>• CEQA</li> </ul>
	<p><b>IRWD Baker Water Treatment Plant Project EIR</b></p> <p>ESA prepared the EIR for the Baker Water Treatment Plant Project. The goal of the proposed project is to increase water supply reliability in southern Orange County. The project includes construction of new raw water treatment facilities at the existing Baker Filtration Plant located in Lake Forest, CA. Key issues associated with the project include construction-related impacts experienced by neighboring residential areas and impacts to biological and cultural resources. The EIR was successfully completed and certified in 2011.</p>	<ul style="list-style-type: none"> <li>• CEQA</li> <li>• Technical Studies</li> </ul>
	<p><b>L.A. County Waterworks 40 Phase 2 Recycled Water Project MND/EA</b></p> <p>L.A. County Waterworks Division 40 is implementing Phase 2 of the Regional Recycled Water Project in the Antelope Valley. Phase 2 includes recycled water pipelines, storage tanks, and pump stations that form a portion of the project's backbone system for the region. The MND/EA will tier off of the Program EIR that ESA prepared in November 2008 for the entire Regional Recycled Water Project. Waterworks Division 40 is receiving federal funding from the USEPA for Phase 2. ESA is assisting with USEPA coordination to ensure the federal environmental compliance requirements are met.</p>	<ul style="list-style-type: none"> <li>• CEQA</li> <li>• NEPA</li> <li>• Cultural Resource Surveys</li> </ul>

	Relevant Projects	Services Provided
	<p><b>City of San Juan Capistrano, Non-Domestic Recycled Water Master Plan Program EIR/EA</b></p> <p>ESA prepared the Non-Domestic/Recycled Water Master Plan Update Program EIR for the City of San Juan Capistrano that proposed a system of pipelines, reservoirs, and pump stations to distribute recycled water throughout the City's service area. The recycled water would be produced at the proposed Advanced Wastewater Treatment Plant (AWTP) located at the J.B. Latham Treatment Plant in Dana Point. Water produced by the AWTP would be used to expand the existing non-domestic system serving primarily landscape irrigation. The EIR followed the SWRCB CEQA-Plus guidelines to streamline SRF loan approvals including Section 106 compliance. The EIR/EA will be used by the US Bureau of Engineers to comply with NEPA requirements needed for Title XVI funding.</p>	<ul style="list-style-type: none"> <li>• CEQA</li> <li>• NEPA/CEQA-Plus</li> <li>• Section 106</li> </ul>
	<p><b>City of San Juan Capistrano, Ortega Pipeline Initial Study/MND</b></p> <p>ESA prepared an Initial Study/MND for a segment of a potable water main pipeline to be installed within State Highway 74 (the Ortega Highway). The Initial Study/MND evaluated the construction impacts of installing the pipeline concurrently with a Caltrans project to widen the highway.</p>	<ul style="list-style-type: none"> <li>• CEQA</li> </ul>
	<p><b>Sweetwater Authority Richard Reynolds Desalination Plant Expansion CEQA/NEPA</b></p> <p>ESA is preparing environmental studies and CEQA/NEPA documentation for the Phase 2 expansion of the Richard A. Reynolds Desalination Facility for the Sweetwater Authority. The proposed expansion involves increasing the desalinated potable water production to 10 mgd by augmenting facility operations to include four additional groundwater wells, additional pipelines, additional reverse osmosis treatment trains and appurtenances within the existing desalination building. ESA is working closely with Sweetwater Authority personnel and other team members to complete the CEQA/NEPA documentation and obtain regulatory approval.</p>	<ul style="list-style-type: none"> <li>• CEQA</li> <li>• NEPA</li> </ul>
	<p><b>Sonoma County Sanitation District Photovoltaic Project MND</b></p> <p>ESA prepared an MND for implementation of solar power facilities at Sonoma County Sanitation District's wastewater treatment plant, in Sonoma Valley. The project consisted of the installation of photovoltaic panels on a five acre parcel of land adjacent to the existing treatment plant, with the objective of producing up to 1.3 million kilowatt-hours annually. This energy production would be used to offset energy needs currently purchased from PG&amp;E and used for treatment operations. Key issues included land use consistency, loss of agricultural soils, wetlands, sensitive species, aesthetics and utilities.</p>	<ul style="list-style-type: none"> <li>• CEQA</li> </ul>

## SECTION 3

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### Scope of Work

As requested in the RFP, the following scope of work outlines the tasks necessary to provide IRWD with on-call professional services for CEQA and NEPA analysis and compliance.

#### Task 1: CEQA

We understand that IRWD has upcoming small-scale projects that could be implemented over the next two years, such as energy efficiency projects and ancillary buildings at existing IRWD facilities, and recycled water storage and pump station projects. IRWD needs a firm that can respond quickly and efficiently to produce cost-effective, high-quality environmental documentation in compliance with CEQA. As already stated, and demonstrated by our qualifications and references described in **Section 2**, ESA's Southern California Water Group specializes in impact assessments for the construction and operation of water infrastructure projects including pipelines, pump stations, storage tanks, and reservoirs. Providing CEQA compliance in the form of Addenda, Negative Declarations, and MNDs for these types of projects is our primary business. ESA provides full-service environmental support to take your project from concept to completion. That includes in-house capabilities to perform technical studies including air emissions models (including greenhouse gas emissions analysis), noise models, biological surveys and monitoring, cultural resources surveys, monitoring, and consultations, historic architectural assessments, hazardous materials environmental site assessments (Phase I), and visual simulations. We have a successful track record of working with IRWD and other agencies in Orange County, such as Orange County Water District, Orange County Sanitation District, and the City of San Juan Capistrano.

#### Task 2: NEPA

In addition to CEQA, we understand that IRWD needs a firm that provides high-quality environmental documentation that also complies with NEPA to satisfy the requirements of potential partner funding entities. ESA regularly produces either joint CEQA/NEPA documents, such as joint MND/EAs, or stand-alone NEPA documents. ESA has extensive experience working with the State Water Resources Control Board SRF staff to provide appropriate analyses needed for federal approval of projects receiving USEPA SRF loans as authorized by the Clean Water Act. USEPA has established requirements known as CEQA-Plus that supplement the CEQA Guidelines and provide NEPA-equivalent environmental review and compliance. Tom and Jennifer have recently worked together to complete CEQA-Plus compliant documents for Los Angeles County Waterworks Division's Regional Recycled Water Project and the City of San Juan Capistrano's Recycled Water Master Plan. In addition, ESA has worked with the US Bureau of Reclamation (Bureau) in Temecula on several projects applying for Title XVI funds. Jennifer recently assisted IRWD with preparation of the MND/IS/EA for the Wells 21 & 22 Project/Tustin Legacy Well 1 Project, which required coordination with the Bureau due to federal funding through the American Recovery and Reinvestment Act of 2009 (ARRA). ESA helped IRWD to meet strict ARRA deadline requirements for its environmental compliance in order to secure the funding for this project. Tom and Jennifer also have

experience working with the USEPA to prepare EAs or Environmental Information Documents (EIDs) to satisfy USEPA's NEPA requirements for funding mechanisms. Jennifer is currently working the Los Angeles County Waterworks Division to prepare a MND/EA in accordance with USEPA NEPA requirements for Phase 2 of the Regional Recycled Water Project in the Antelope Valley. We have good working relationships with these three federal funding sources and understand their specific NEPA compliance requirements. Jennifer also has worked with the U.S. Army National Guard to complete an EA for the Nacimiento Water Project as it crosses Camp Roberts in San Luis Obispo County. ESA also works extensively with the US Army Corp of Engineers regulatory and environmental staff and are two blocks from their offices in downtown Los Angeles.

### **Task 3: CEQA and NEPA Consultation**

Our ESA Team, including key management staff and technical analysts, will be available to the District on an as-needed basis for consultation related to CEQA and NEPA. Our ESA Team will be available to answer general questions about CEQA and NEPA, explore past environmental filings for a project, assist with strategies for environmental compliance for upcoming projects including risk assessments, assist with investigations of current case law and consult with IRWD's legal counsel, and assist with preliminary project assessment. As our key management team, Tom and Jennifer would be the primary points of contact for consultation under this task. Additional specialists within ESA would be available for consultation on an as-needed basis.

### **Task 4: Staff Rates**

The hourly rates for all staff and services that might be provided for the projects resulting from this On-Call Services contract are provided in **Section 5**. Charges for time spent on project management, consultation, meetings, field work, data analysis, report preparation and review, travel time, etc, will be made at the Category Rates set forth in Section 5. Rates for non-labor expenses, such as reimbursable expenses and equipment usage are also provided in Section 5.

### **Task 5: Project Task Item Estimates**

Our typical on-call services contracts require us to prepare scopes of work, cost estimates and schedules for projects as they arise. Level-of-effort estimates are developed by our project management team. Staff are assigned based on project requirements. Each new project is established under the master contract based on IRWD's Purchase Order. Upon request under this On-Call Services master contract, ESA will prepare and submit a scope/schedule/budget to the District for new projects as they arise within one to two days, depending on the nature of the work. Longer timeframes may be required for larger jobs. The costs associated with preparing scope/schedule/budget packages will be ESA's responsibility. With District approval of the scope and fee, ESA will begin work on new projects immediately.

As requested in the RFP, we are providing a sample Scope/Schedule/Budget package for a previous project for which ESA prepared a MND/EA. This sample Scope/Schedule/Budget can be found in **Appendix C**. Typically, ESA includes only tasks required to legally fulfill environmental review requirements of CEQA and/or NEPA. Additional recommended tasks are included as line-item options, depending on issues or controversies that have potential to arise during the course of a project or contingencies needed for additional environmental review due to potential funding sources.

## Task 6: Team Experience

ESA has over 40 years of experience in the environmental consulting business. We have excellent knowledge of the business locally, state-wide and nationally. Please refer to **Section 2** for summaries of the experience, education, and skills of the key staff on the ESA Team proposed for this On-Call Services contract. Details about each team member is provided in the resumes attached as **Appendix B**.

## Task 7: Project Coordination

ESA has developed and nurtured a vast network of clients and consultants with which we regularly work and coordinate to accomplish tasks at hand. In accordance with our focus on client satisfaction, ESA will team with other consultants or agencies in order to provide the best technical or regulatory expertise required to meet project objectives and provide services that are in the best interest of our clients. ESA regularly teams up with other planning firms, engineering firms, and specialty firms for biological, cultural, geotechnical, and transportation services. To facilitate coordination of teams comprised of multiple consultants and agencies, ESA utilizes regularly scheduled conference call meetings to maintain focus of analyses, provide a forum for information exchange, and maintain compliance with project schedules.

As an integral part of our project management services we provide senior project strategy consultation with the client management team as well as with regulatory agencies. We provide senior experience in consulting with the US Fish and Wildlife Service, the US Army Corps of Engineers, the Bureau, the USEPA, the California Department of Fish and Game, the Santa Ana Regional Water Quality Control Board, the South Coast Air Quality Management District, and the local cities and county agencies including Flood Control and the Department of Public Works (e.g., storm water management).

## Task 8: Mitigation Monitoring and Reporting

As part of a typical scope of work for environmental compliance, ESA includes development of the Mitigation Monitoring and Reporting Program (MMRP) as required by CEQA. We understand that IRWD may require assistance implementing the MMRPs for current projects such as the Baker Water Treatment Plant Project, Biosolids Handling and Energy Recovery Facilities Project, and San Diego Creek Watershed Natural Treatment System Site 67. If requested by IRWD under this On-Call Services contract, ESA will implement the MMRPs associated with these or other projects, including preparation of a reporting program binder designed to track the implementation and completion of each required mitigation measure, management of periodic monitoring activities and required field surveys, and preparation of periodic reports to document ongoing activities and eventual completion of the MMRP. ESA has staff that specialize in construction monitoring in both our Biological Resources & Land Management Group and Cultural Resources Group. ESA Water also has long term experience with Metropolitan Water District of Southern California implementing the MMRPs for various projects as part of an on-call services contract. Examples of our mitigation monitoring experience are included in **Section 2**.

## Task 9: References

As already stated, our references are identified in **Section 1**.



## SECTION 4

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### Schedule

The schedule required for CEQA compliance depends on the complexity of the project, the completeness of the project objectives and description, and the level of controversy associated with project components. With clear stakeholder support and a completely developed project description, a MND requires approximately four months to prepare, circulate for public review, and certify. More complex projects requiring intensive technical studies or neighborhood outreach can take several months longer. NEPA documents also can be prepared efficiently depending on the completeness of analysis and complexity of the project. However, federal approval of EAs generally adds at least several months to the CEQA schedule due to the additional agency coordination. We have found that CEQA-Plus compliance (required for SRF funding from SWRCB) can add over six months to projects depending on the level of effort needed to comply with Section 106 of the National Historic Preservation Act.

#### Sample Schedule

As requested in the RFP, we are providing a sample Scope/Schedule/Budget package for a previous project for which ESA prepared a MND/EA. This sample Scope/Schedule/Budget can be found in **Appendix C**. The sample schedule shows the steps required to complete the MND/EA for the sample project scope of work. The sample schedule illustrates approximately a four-month (or 120 day) timeline for completion of a MND/EA for a project involving construction of new pipelines, wellheads, and a treatment plant. The tasks included in the sample schedule coincide with the tasks outlined in the sample project scope of work.

## **SECTION 5**

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### **Budget and Fees**

#### **Sample Budget**

As requested in the RFP, ESA has provided a sample Scope/Schedule/Budget package for a previous project for which ESA prepared a MND/EA. This sample Scope/Schedule/Budget can be found in **Appendix C**. The sample budget indicates the hours attributed to each task for team members according to personnel Category Rates (see below). The scope for this sample project may not necessitate the involvement of all key team members presented in **Section 2**.

#### **Personnel Category Rates**

Charges will be made at the Category Rates set forth below for time spent on project management, consultation, meetings, field work, report preparation and review, travel time, etc. Time spent on projects in litigation, in depositions and providing expert testimony will be charged at the Category Rate times 1.5. We have employed an average multiplier of 3.25 to recent projects. This multiplier times our average raw labor rates for each labor category accounts for overhead and profit and equals our Category Rates. The Category Rates provided on page 5-2 would be valid for one year following execution of a contract.

From time to time, ESA retains outside professional and technical labor on a temporary basis to meet peak workload demands. Such contract labor may be charged at regular Personnel Category Rates. ESA reserves the right to revise the Personnel Category Rates annually to reflect changes in its operating costs.

## Environmental Science Associates & Subsidiaries 2011 Schedule of Fees

### I. Personnel Category Rates

Executive Director	\$255.00
Senior Director II – Engineer	\$245.00
Senior Director II	\$235.00
Senior Director I – Engineer	\$215.00
Senior Director I	\$215.00
Director – Engineer	\$200.00
Director II	\$200.00
Director I	\$185.00
Senior Managing Associate / Technical Assoc. – Engineer	\$175.00
Senior Managing Associate / Technical Associate II	\$175.00
Senior Managing Associate / Technical Associate I	\$170.00
Managing Associate / Technical Associate – Engineer	\$160.00
Managing Associate / Technical Associate II	\$160.00
Managing Associate / Technical Associate I	\$150.00
Senior Associate II – Engineer	\$145.00
Senior Associate II	\$135.00
Hydrologist II	\$125.00
Hydrologist I	\$115.00
Senior Associate I	\$125.00
Associate III	\$110.00
Hydrographer	\$105.00
Senior Administrative / Graphics	\$105.00
Associate II	\$100.00
Associate I	\$90.00
Environmental Tech II	\$80.00
Environmental Tech I	\$70.00
Administrative / Graphics	\$85.00
Clerical	\$70.00

- (a) From time to time, ESA retains outside professional and technical labor on a temporary basis to meet peak workload demands. Such contract labor may be charged at regular Personnel Category rates.
- (b) ESA reserves the right to revise the Personnel Category Rates annually to reflect changes in its operating costs.

### II. ESA Expenses

#### A. Travel Expenses

1. Transportation
  - a. Company vehicle – IRS mileage reimbursement rate
  - b. Common carrier or car rental – actual multiplied by 1.15
2. Lodging, meals and related travel expenses – direct expenses multiplied by 1.15

**B. Communications Fee**

In-house costs for phone, e-mail, fax, regular postage, walk-up copier, and records retention – project labor charges multiplied by 3%

**C. Printing/Reproduction Rates**

Item	Rate/page
8 1/2 x 11 b/w	\$0.05
11 x 17 b/w	\$0.10
8 1/2 x 11 color	\$1.00
11 x 17 color	\$1.50
Covers	\$0.50
Binding	\$1.00
HP Plotter	\$25.00
CD	\$10.00
Digital Photography	\$20.00 (up to 50 images)

**D. Equipment Rates**

Item	Rate/Day	Rate/Week	Rate/Month
<b>General Equipments:</b>			
Vehicles	\$ 40 <sup>a</sup>	\$ 180	
Laptop Computers	50	200	\$ 500
LCD Projector	200	600	
Noise Meter	50		
Electrofisher	300	1,200	
Sample Pump	25		
Surveying Kit	20		
Total Station Set	100	400	
Field Traps	40		
Digital Planimeter	40		
Cameras/Video/Cell Phone	20		200
Miscellaneous Small Equipment	5		
Computer Time (i.e. GIS)	120 <sup>b</sup>		
Trimble GPS	75	350	900
GIS Imagery	2 <sup>c</sup>		
GIS Web Maps			200 <sup>d</sup>
Tablet GPS	100	400	1,000
Laser Level	80		
Garmin GPS or equivalent	25		250
Stilling Well / Coring Pipe (3 inch aluminum)	\$3/ft		

**III. Subcontracts**

Subcontract services will be invoiced at cost multiplied by 1.15.

**IV. Other**

There shall be added to all charges set forth above amounts equal to any applicable sales or use taxes legally levied in lieu thereof, now or hereinafter imposed under the authority of a federal, state, or local taxing jurisdiction.



DUDEK

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May 20, 2011

Paul A. Weghorst  
Principal Water Resources Manager  
Irvine Ranch Water District Headquarters  
15600 Sand Canyon Avenue  
Irvine, California 92618

**Subject: On-Call CEQA/NEPA Consultation for the Irvine Ranch Water District**

Dear Mr. Weghorst:

Dudek is pleased to submit this proposal to provide environmental documentation services to the Irvine Ranch Water District (IRWD) on an on-call basis pursuant to the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA). As demonstrated in our proposal, Dudek believes that our previous experience with IRWD in evaluating water/wastewater projects combined with our team's experience and presence in Orange County makes Dudek the right firm for this assignment.

Dudek was founded in 1980, and employs over 230 planners, scientists, engineers, technicians, and support staff. Dudek specializes in providing in-house integrated services to ensure environmental compliance for major public works and infrastructure projects. In-house capabilities relevant to this assignment include CEQA/NEPA documentation, public participation programs, land use planning, biological resources, acoustical, socioeconomics, habitat restoration/revegetation, hydrology and water quality, geology, hazardous materials, traffic/transportation, air quality/greenhouse gas, cultural resources, Geographic Information Systems (GIS), and mitigation monitoring and environmental compliance.

**Capabilities and Experience:** As described in our proposal, the Dudek team has completed over 1,000 environmental documents in compliance with CEQA and NEPA including over 20 recent water/wastewater related projects. Dudek has completed environmental support for six projects for the IRWD and is currently providing environmental support services to IRWD for the Syphon Reservoir Project and SAMS I Project. Through each project milestone completed in support of these projects, our team has gained valuable experience in addressing IRWD's concerns, particularly with regard to keeping costs to a minimum while providing efficient and professional services in a timely manner. Additionally, Dudek has significant experience in providing as-needed environmental services as well as mitigation monitoring and environmental compliance services.

**Project Management:** As further described in Section 2 of this proposal, Dudek has assigned John Porteous, MA, CEP, to direct our project team and has designated three senior project managers to provide project management CEQA/NEPA support as necessary should simultaneous environmental documentation services be required for this assignment. Additionally, Dudek has assigned David Hochart, an experienced environmental compliance manager, to oversee mitigation monitoring and environmental compliance. Dudek's designated principal in charge, John Porteous, brings over 28 years' experience in providing CEQA and NEPA documentation and has been responsible for successful completion of CEQA documentation for five projects for IRWD.

Mr. Paul A. Weghorst

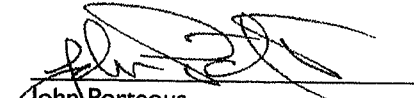
Subject: On-Call CEQA/NEPA Consultation for the Irvine Ranch Water District

---

Our proposed project team, managed by Mr. Porteous, has significant experience in providing environmental documentation pursuant to CEQA/NEPA and IRWD requirements. Dudek commits to providing IRWD with a well-qualified team throughout the contract duration and designates Mr. Porteous, principal in charge, as representative during the selection process and contract negotiations.

Dudek intends to provide the highest quality, most responsive services to the IRWD. We welcome your interest in our firm and look forward to the opportunity to provide as-needed environmental support services to the IRWD. You can contact me directly either by phone at 760.479.4250 or through email at [jporteous@dudek.com](mailto:jporteous@dudek.com).

Sincerely,



---

John Porteous  
Principal

# TABLE OF CONTENTS

## SECTIONS

Introduction .....	1
1 Scope of Work .....	2
Task 1 CEQA Analysis and Compliance .....	2
Task 2 NEPA Analysis and Compliance .....	6
Task 3 CEQA and NEPA Consultation .....	7
Task 4 MMRP Implementation .....	7
Task 5 Program Management Plan .....	7
2 Team Experience .....	8
3 Dudek Experience and References .....	12
3.1 On-Call CEQA/NEPA Experience .....	12
3.2 IRWD Experience .....	12
3.3 Water/Wastewater Experience .....	15
4 Schedule .....	16
5 Budget .....	16
6 Joint Venture and Subconsultants .....	16
7 Conflicts of Interest .....	16
8 Insurance .....	16
9 Contract .....	16

## TABLES

1 Dudek Team Schedule of Availability .....	8
2 Dudek Relevant On-Call CEQA Experience .....	12
3 Dudek Relevant Water/Wastewater Experience .....	15

## APPENDICES

A Sample Scope of Work, Budget, Schedule, and Dudek Standard 2011 Rates	
B Resumes	
C Insurance Certification	



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# INTRODUCTION

## OVERVIEW OF DUDEK CAPABILITIES

The provision of environmental support services on an add-needed basis under the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) requires knowledge and experience with environmental documentation for water and wastewater projects, including mitigation requirements, knowledge of the local area and local issues, as well as the ability to work in a collaborative manner with the Irvine Ranch Water District (IRWD) staff. Dudek engineers and environmental planners have been involved in water and wastewater projects for over 30 years with environmental experience ranging from preparation of necessary CEQA/NEPA documentation through mitigation and permit compliance. Our knowledge of the project area and local issues is extensive due to past work for the IRWD, past and ongoing work for the Irvine Company, and extensive work in Orange County.

## RELEVANT SERVICES

- Mitigation Compliance Monitoring
- Biological surveys
- CEQA/NEPA compliance
- Habitat restoration and management
- Hazardous materials testing
- Hydrology
- Sustainability planning
- Urban forestry
- Wildfire protection planning
- Water conservation planning

Our project team will be led by John Porteous, well known to IRWD. Mr. Porteous will be the principal point of contact for the provision of as-needed CEQA/NEPA support services to IRWD. He brings specialized qualifications to the project team with respect to CEQA and NEPA compliance for water and wastewater projects, as well as local knowledge and experience. Mr. Porteous will be supported by three project managers who specialize in CEQA/NEPA documents for infrastructure projects and a compliance manager responsible for mitigation monitoring and Dudek's in-house team including:

- AICP-certified environmental planners
- CDFG- and USFWS-certified biologists
- Registered professional archaeologists
- Noise and air quality specialists
- Registered landscape architects
- Certified arborists and foresters
- Certified GIS professionals
- Accredited LEED professionals
- Certified hydrogeologists
- Licensed geologists
- Registered environmental assessors
- Licensed professional engineers

# **I SCOPE OF WORK**

## **Task I CEQA Analysis and Compliance**

The following scope of work reflects a generic approach to a water or wastewater project for IRWD. This scope assumes that project impacts can be mitigated to less-than-significant impacts through the incorporation of mitigation measures or design features.

### **TASK I-1 – PROJECT START-UP**

During this task, the Dudek project management team comprised of John Porteous and designated project manager will participate in a kickoff meeting with IRWD staff. The purpose of the meeting will be to discuss project objectives, concept, schedule, responsibilities and dependencies, available data, and needs for additional data, as well as environmental documentation required to satisfy CEQA and NEPA if necessary.

In addition, Dudek will present our approach to carrying out the project including initial milestone schedule events, methods for project management and communications (including progress reports and meetings), methods for data review and exchange (electronic and other), approaches to maintaining the administrative record for the project, and anticipated deliverables. During this task, Dudek will prepare a detailed scope, budget and cost for review and approval by IRWD. A sample project scope, schedule, and budget is presented in Appendix A.

### **TASK I-2 – COLLECT AND REVIEW EXISTING INFORMATION**

During this task, we will review existing available information. In addition, we will conduct a literature review to ensure that our project library contains a comprehensive database of existing, available information regarding land use plans and projects, demographics, biological resources, and geotechnical hazards.

As a result of the work completed during Tasks I-1 and I-2, we propose to present a draft project description to IRWD for review and comment.

### **TASK I-3 – INITIAL STUDY (IS)**

Dudek will provide IRWD with a draft IS. The Environmental Checklist Form included in the State CEQA Guidelines which became effective on January 1, 2011, will be used for the IS. Each Checklist answer shall be explained with the reasons it was accepted. Discussion shall include construction and operational effects and mitigation measures shall be identified and included as part of project design (if needed) for avoiding or reducing potentially significant effects to less than significant levels. Parties responsible for carrying out measures will be identified. The degree of reduction of impact due to mitigation will be qualitatively and, where possible, quantitatively identified.

### **TASK I-4 – PUBLIC SCOPING (OPTIONAL)**

If requested by IRWD, we will support IRWD for any scoping or public information meetings.

### **TASK I-5 – TECHNICAL STUDIES**

The need for additional technical studies will be based on the project description, IS and any public scoping efforts completed. It is anticipated that the following types of studies may be required:

### Biological Resources Analysis

Dudek will conduct a general biological reconnaissance survey of the project study area to create a biological resources map with vegetation communities and anecdotal observations of conspicuous sensitive species locations. The project study area boundary will be determined in advance during Tasks 1 and 2. For purposes of this task, it is assumed that the proposed project facilities would be located within disturbed areas. During the field survey, a general inventory of plant and animal species detected by sight, calls, tracks, scat, or other signs will be compiled as well as determination of potential sensitive species that could occur on the project site. Observable sensitive resources, including perennial plants and conspicuous wildlife (i.e., birds and some reptiles) commonly accepted as regionally sensitive by the California Native Plant Society (CNPS), California Department of Fish and Game (CDFG), and U.S. Fish and Wildlife Service (USFWS) will be recorded. Our scope of work does not include focused sensitive plant or wildlife surveys, or a formal jurisdictional wetland determination.

The results of the biological resources investigations will be documented in a stand-alone biological resources letter report suitable for inclusion in the appendix to the project CEQA document. The report will include a discussion of the survey methodology and accuracy. Vegetation communities and sensitive biological resources will be described in terms of regional significance and presence on site. An assessment of existing conditions and impact analysis, and an assessment of the significance of the impacts in accordance with the significance thresholds established for the project CEQA document will be provided, including direct, indirect, and cumulative effects. Mitigation measures will be proposed for identified significant impacts in terms of CEQA requirements, regional planning, and state and federal laws and guidelines.

### Noise Analysis

To determine potential noise impacts, Dudek will identify noise levels for major noise sources during project construction and operations. Field measurements will be taken at up to four locations to quantify existing ambient noise levels to provide a baseline for evaluation of project effects. The noise measurements will be made using a sound level meter meeting American National Standards Institute (ANSI) Type I standards. Existing sensitive receptors will be identified including any nearby residential uses.

### Air Quality Analysis/Climate Change

The air quality analysis will include the following:

- Characterize the environmental setting through published air quality data
- Discuss applicable federal, state, and regional air quality regulations and programs, including those related to greenhouse gases
- Specify relevant significance thresholds based on South Coast Air Quality Management District (SCAQMD) CEQA guidelines
- Identify sensitive population locations where construction and operation impacts could be magnified such as those affecting nearby sensitive receptors
- Discuss project consistency with Southern California Association of Governments (SCAG) population projections for the service area in terms of growth-inducement potential
- Estimate project construction and operational emissions of criteria air pollutants using air emissions data provided by IRWD along with the URBEMIS2007 land use and air emissions estimation model or related tools, and compare them to the SCAQMD thresholds
- Analyze odor impact potential
- Estimate greenhouse gas emissions during construction and operation, including but not limited to employee worker trips and energy usage, for comparison to state-proposed thresholds.

### **Public Health and Safety**

Dudek will consult with IRWD to identify any chemicals and quantities that will be stored and handled at the facility. Dudek will evaluate the potential for an adverse impact to public health and safety from the potential for an accidental release of water treatment chemicals (both worst-case release and accidental release during transport of chemicals to the site).

### **Cultural and Paleontological Resources**

Dudek will conduct a cultural resources survey of the proposed project to assess the presence or absence of potentially significant prehistoric and historic archaeological sites in accordance with Orange County CEQA guidelines. This cultural resource study will consist of an archaeological records search conducted by the South Central Coastal Information Center (SCCIC), California State University, Fullerton, including all previously completed investigation reports and site records within the project study area. Dudek archaeologists will subsequently complete a cultural resource survey of areas within the project study area that have not been previously investigated, and they will revisit previously recorded archaeological sites, as indicated by the SCCIC records search results.

Dudek will also request a search of the Sacred Lands Inventory maintained by the California State Native American Heritage Commission (NAHC) to determine if any lands with heritage value to contemporary Native Americans are present within the project property, and to identify all individuals who should be consulted regarding the proposed project. Dudek will provide a written request to all of these individuals identified. All correspondence with Native American representatives and resulting concerns will be addressed during the CEQA review.

Dudek paleontologists will review existing documents, including the County of Orange General Plan Conservation Element and geological technical reports such as U.S. Geological Surveys, to determine the likelihood that the project study area includes soil formations with a potential to contain significant vertebrate fossils. Potential project effects on paleontological resources will be assessed and any appropriate mitigation measures incorporated.

### **Hydrology/Water Quality**

The hydrology and water quality study will include a review of the current hydrological setting; a review and general evaluation of site drainage; a list of appropriate and necessary best management practices (BMPs) in accordance with the Orange County Storm Water Management Program and the 2002 National Pollutant Discharge Elimination System (NPDES) permit (Order No. R8-2002-0010); and a discussion of surface water and groundwater resources and quality based on available data. The information and data reviewed will be evaluated to determine whether the construction and post-construction phases of the proposed project may result in potential impacts to hydrology and water quality.

Dudek will use Federal Emergency Management Agency flood maps (available from the U.S. Geological Survey), available Regional Water Quality Control Board (RWQCB) and Department of Water Resources data, the Orange County Hydrology Manual, and topographic maps to discuss the current hydrologic setting. Dudek will evaluate the adequacy of the proposed drainage system (to be provided by IRWD's engineer) and will present appropriate and recommended BMPs for implementation at the site. The BMP evaluation will include consideration of impaired water bodies.

The preliminary hydrology and water quality study will include maintenance requirements for the BMPs presented. Based on a review of the drainage analysis report (to be provided by IRWD's engineer) and the local topography, Dudek will determine whether the project will significantly alter existing drainage patterns.

Dudek will also identify the groundwater resources and general information about water quality on and adjacent to the project site, based on a review of existing documents. Potential impacts to water quality and groundwater resources will be identified along with effective mitigation, if required.

### **Visual**

The appearance of the site and the immediate vicinity will be described. Visibility of the site from adjacent roadways and public viewpoints will be described. Visual characteristics will be illustrated through the use of photographs of the site with a key showing the location of the viewpoints.

A discussion of the change in appearance as it related to the site will be presented. Probable visual effects and view blockage will be described. Dudek has the capability in-house to provide digital/visual simulations. Such simulations are not included in our scope and can be provided for an additional fee.

Mitigation measures will be suggested where potentially significant impacts are identified. The suggested mitigation measures will be specific to location and types of changes that would affect views to the project. Types of mitigation measures that may be suggested include enhanced landscaping or minor changes to structure location and cover slope sculpting or landform contour grading.

### **Transportation**

Dudek will evaluate the construction as well as the operational traffic impacts associated with the project. The analysis will be based on the following, which will be incorporated into the CEQA document.

### **Other Environmental Effects**

Explanations will be provided to support findings related to other environmental issues such as agricultural resources, geology/soils, land use and planning, mineral resources, public services, and recreation.

### **TASK 1-6 – PREPARE SCREENCHECK/ADMINISTRATIVE DRAFT**

Tasks 1-6 through 1-11 assume that preparation of a negative declaration (ND) or mitigated negative declaration (MND) would satisfy CEQA requirements for this project and would be adjusted accordingly should a notice of exemption (NOE) or addendum be determined the appropriate environmental document under CEQA.

During this task, Dudek will prepare a screencheck/administrative draft MND in accordance with the requirements of CEQA. The MND will include text, graphics, appendices, and all required CEQA sections. The environmental analysis will be based on the project description and IS. For each environmental category, a discussion of the environmental setting, impacts, level of significance, and mitigation measures, if required, will be provided. The degree of impact reduction due to mitigation will be qualitatively and, where possible, quantitatively documented. A clear description of the means by which mitigation measures will be implemented, the timing and technical requirements, and responsibility for mitigation will be identified and discussed. This discussion will form the basis for the Mitigation Monitoring and Reporting Program (MMRP) developed during Task 1-10. For budgeting purposes, we have assumed 25 copies of the screencheck document will be required.

**TASK 1-7 – COMPLETE AND DISTRIBUTE DRAFT MND**

After completion of Task 1-7, Dudek will incorporate final revisions and assemble the draft MND for public review distribution. We will prepare a camera-ready copy of the draft MND and will meet with IRWD staff, as appropriate, to conduct a final “over the shoulder” review prior to volume reproduction. Dudek will be responsible for noticing and distributing the draft MND, including filing the notice of completion with the State Clearinghouse and appropriate publication of notices in newspapers. For budgeting purposes, we have assumed distribution of 50 copies of the draft MND. For broader public review distribution, we have assumed that the MND would be posted on IRWD’s website where it can be viewed by the public.

**TASK 1-8 – COMPILER AND EVALUATE PUBLIC REVIEW COMMENTS**

Dudek will compile, categorize, and summarize public review comments for review by the consultant project team and IRWD. We will discuss with IRWD our proposed approaches to preparing responses to comments, including use of themed responses, along with responses to each individual comment and/or preparation of a revised document. For budgeting purposes, we have assumed up to 50 individual comments on the MND; a single comment letter may contain multiple individual comments.

**TASK 1-9 – PREPARE FINAL MND**

Based on the approaches developed during Task 1-9, Dudek will prepare responses to comments to be incorporated in the final MND. Two rounds of revisions to the responses to comments are incorporated in the scope of work.

**TASK 1-10 – MITIGATION MONITORING AND REPORTING PLAN**

Dudek will also prepare the MMRP for inclusion in the final MND. The MMRP will include a brief project description, a list of agencies with jurisdiction over the project, monitoring roles and responsibilities, and general monitoring procedures. For each mitigation measure identified in the final MND, the party responsible for the monitoring, schedule, reporting requirements, and effectiveness criteria will be identified.

**TASK 11 – DECISION-MAKING SUPPORT**

In coordination with IRWD staff, Dudek will assist as necessary through the adoption of the MND by the IRWD Board of Directors. Dudek will be available to attend a hearing regarding adoption of the MND. We will file the notice of determination (NOD) and CDFG fee. Dudek understands that IRWD will provide the CDFG fee if required.

**Task 2 NEPA Analysis and Compliance**

It is assumed under this task that the analysis conducted in the CEQA document may also be used to obtain federal funding. To facilitate compliance with NEPA requirements, under this task, the CEQA document prepared for the project may also be prepared to meet general NEPA compliance and SRF requirements as needed.

Overall, the NEPA and State Revolving Fund (SRF) environmental review requirements are not significantly different from the normally applicable CEQA requirements. The main additional requirements generally include consideration of the Endangered Species Act, Clean Air Act, National Historic Preservation Act, environmental justice, and project alternatives. These additional requirements will also be addressed under this task and included in the CEQA document proposed for the project.

### **Task 3 CEQA and NEPA Consultation**

Because of our long history with IRWD and Orange County CEQA/NEPA projects, Dudek is prepared to answer IRWD's general questions about CEQA and NEPA. Dudek understands that the activities under the CEQA and NEPA consultation task may include exploration into past environmental filings for a project, investigation of current case law, and preliminary project assessment.

### **Task 4 MMRP Implementation**

Dudek will review the MMRP and all permit conditions to ensure complete understanding of all mitigation requirements and implementation, and will coordinate with IRWD to gather required preconstruction documentation and ensure that all preconstruction requirements are completed. Dudek will conduct one site visit with IRWD to understand access issues for monitoring and will provide on-site environmental monitors during project construction to ensure compliance with mitigation measures. Dudek will follow up on all non-compliance issues identified by the environmental monitors during project construction, will prepare weekly status reports during construction, and will provide a final compliance report at the end of construction.

### **Task 5 Program Management Plan**

Prior to initiating environmental services in support of each task request, Mr. Porteous, in coordination with the assigned project manager will develop a plan for review and approval by IRWD based on six elements: team, budget, schedule, scope of work, communication, and quality assurance/quality control.

#### **TEAM**

John Porteous will select the appropriate team, depending on the project assigned. The team assigned for this as-needed contract is presented in Section 2 of this proposal.

#### **BUDGET, SCOPE, SCHEDULE**

Dudek's budget will be based on standard rates, as provided in Appendix A of this proposal, and agreed upon scope of work and schedule. An example of the scope of work needed for an IRWD MND project is presented in Appendix A of this proposal. Dudek's cost estimate for labor assumes a multiplier of 3.18.

#### **COMMUNICATION**

Effective communication is a key element to project success. Dudek recommends weekly coordination meetings (can be a conference call) between Dudek, IRWD, and other relevant consultants. These meetings will be attended by Dudek's proposed project manager and others as necessary.



## 2 TEAM EXPERIENCE

Dudek's project management team includes our project principal, John Porteous, CEP, three CEQA/NEPA project managers, Paul Amberg, Sarah Lozano, AICP, and Shawn Shamlou, AICP, to choose from for maximum efficiency during simultaneous CEQA/NEPA efforts. And David Hochart as compliance manager. Mr. Porteous and each assigned project manager will work closely as a project management team, bringing CEQA/NEPA documentation expertise, water and wastewater project experience, compliance management expertise and extensive knowledge of the project study area to the team.

**Table I** summarizes each individual team member's role, office location, and percentage of current commitments and commitment to this assignment. Following Table I are the summaries of the qualifications and experience for Dudek's project manager, John Porteous, and key team members. Full resumes for all team members are located in **Appendix B**. Dudek understands that no team member shall be replaced without prior written approval of IRWD. Following are summaries of the qualifications and experience of our project management team.

**TABLE I. DUDEK TEAM SCHEDULE OF AVAILABILITY**

Staff	Years of Experience	Project Role	Location	Percentage Availability
John Porteous, CEP, MA	28	Principal in Charge	Encinitas	10%
Paul Amberg, BA	40	Project Manager	Encinitas	25%
Sarah Lozano, AICP, MRP	13	Project Manager	Encinitas	25%
Shawn Shamlou, AICP, MA	15	Project Manager	Encinitas	25%
Robert Ohlund, PE, BS	28	Engineering Technical Advisor	Irvine	2%
Josh Saunders, BA	5	Planner	Encinitas	30%
David Stone, RPA, MA	33	Cultural Resources	Santa Barbara	10%
Vipul Joshi, BS	13	Biological Resources	Encinitas	10%
Ryan Henry, BS	13	Biological Resources	Irvine	10%
David Deckman, MS	36	Air Quality/Climate Change	Auburn	5%
Michael Sweesy, RLA, MLA	27	Visual Resources	Encinitas	5%
Mike Komula, MS	27	Noise	Encinitas	2%
Nicole Peacock, PE, PG, REA, BS	12	Public Health/Safety, Hazardous Materials	Encinitas	5%
Derek Reed, PE, BS	20	Hydrology/Groundwater/ Water Quality	Encinitas	2%
Steve Dickey PG, CHG, CEG, BA	18	Geology	Encinitas	10%
David Hochart, BA	6	Compliance Manager	Encinitas	25%
Sherri Miller, MS	17	Biology Project Manager	Encinitas	15%
Anita Hayworth, PhD	34	Wildlife Surveys and Permitting	Encinitas	10%
Phil Behrends, PhD	22	Wildlife Surveys and Permitting	Encinitas	10%
Brock Ortega, BS	20	Wildlife Surveys and Permitting	Encinitas	5%
Jeffrey Priest, BS	16	Wildlife Surveys	Encinitas	5%

**TABLE I. DUDEK TEAM SCHEDULE OF AVAILABILITY**

Staff	Years of Experience	Project Role	Location	Percentage Availability
Kamarul Muri, BS	10	Botanical Surveys and Permitting	Encinitas	10%
Karen Mullen, PhD	10	Wildlife Surveys and Compliance Monitoring	Irvine	5%
Megan Enright, BS	13	Botanical Surveys and Permitting	Encinitas	5%
Britney Strittmater, BS	4	Botanical Surveys and Compliance Monitoring	Irvine	5%
Tricia Wotipka, BS	11	Wetlands Delineations and Permitting	Encinitas	5%
Stuart Fraser, RLA, MLA	10	Mitigation Monitoring and Reporting	Encinitas	5%
Christopher Oesch, MS	8	Mitigation Monitoring and Reporting	Encinitas	5%
Michael Huff, BS	18	Fire Protection Planning, Arborist	Irvine	10%

**PRINCIPAL IN CHARGE**

**John Porteous**

John Porteous specializes in preparing environmental documentation in accordance with CEQA and NEPA. Over the past 28 years, he has prepared over 100 comprehensive CEQA/NEPA documents and numerous environmental planning studies as well as mitigation monitoring reports for a wide range of electric utility, energy production, water/wastewater, institutional, and transportation projects. Representative projects include:

- Michelson Water Reclamation Plan Project EIR, IRWD
- San Joaquin Reservoir EIR, IRWD
- South Orange County Interconnect MND, IRWD
- Peters Canyon/Syphon Reservoir Integrated Project Feasibility Project, IRWD
- Harvard Avenue Trunk Sewer Diversion Project, IRWD
- Syphon Reservoir Storage Capacity Expansion Project, IRWD
- As-Needed Environmental Services, City of San Diego Engineering and Capital Projects Department

**EDUCATION**  
 San Diego State University  
 MA, Geography, 1984  
 University of California, Santa Barbara  
 BA, Environmental Studies/ Geography,  
 1978

**CERTIFICATIONS**  
 National Association of Environmental  
 Professionals Certified Environmental  
 Professional (CEP) No. 91034288

**CEQA/NEPA PROJECT MANAGERS**

**Paul Amberg**

Paul Amberg is a senior environmental planner with over 40 years' experience in planning and conducting engineering and environmental programs throughout the continental United States, Alaska, and Peru. Mr. Amberg is highly adept at managing technical studies for engineering and environmental projects, preparing environmental impact/assessment reports, coordinating and implementing project quality assurance plans and procedures, and overall procurement and subcontractor management. Representative projects include:

- Environmental Consultant, San Diego County Water Authority
- Joint Outfall System (JOS) Master Facilities Plan Environmental Documentation, Joint Administration Office, County Sanitation Districts of Los Angeles County
- On-Call Sewer and Water Pipeline Studies, City of San Diego Water and Wastewater Division

**EDUCATION**

California State University, Long Beach  
BA, Environmental Studies, 1976  
Fullerton College, Fullerton, California  
AA, Oceanographic Technology, 1971

**CERTIFICATION**

County of San Diego CEQA-Approved  
Consultants List for EIR Preparers

**Sarah Lozano, AICP**

Sarah Lozano is an environmental projects manager with over 11 years' experience in environmental document preparation and resource conservation planning. Ms. Lozano's project experience includes preparation of environmental documents per CEQA and NEPA. Representative projects include:

- Syphon Reservoir Storage Capacity Expansion Project, IRWD
- Eastern Transmission Line Replacement, Moulton Niguel Water District

**EDUCATION**

Cornell University  
MRP, Regional Planning, 2003  
Willamette University  
BA, Environmental Science and History,  
1997

**CERTIFICATION**

American Institute of Certified Planners  
(AICP) (issued 2007, no expiration)

**Shawn Shamlou, AICP**

Shawn Shamlou is a project manager with over 15 years' experience preparing environmental documentation for land-use planning and infrastructure projects for public and private clients. He has prepared more than 85 reports complying with the CEQA and the NEPA, and has served as project manager and primary author of many environmental review documents throughout San Diego County and Southern California. Representative projects include:

- San Joaquin Marsh Natural Treatment System 62 and SAMS I, IRWD
- San Juan Creek Watershed Baseline Conditions Report, ACOE
- Cañada Gobernadora Multipurpose Basin Project, Santa Margarita Water District
- Coastal Treatment Plant Sludge Force Main Replacement EIR, SOCWA
- Emergency CTP Export Line Replacement Project, SOCWA
- As-Needed Environmental Review Services, San Diego Port District

**EDUCATION**

Syracuse University  
MA, Geography, 1995  
San Diego State University  
BA, Geography, 1993

**CERTIFICATION**

American Institute of Certified Planners  
(AICP) (issued 2007, no expiration)

**ENVIRONMENTAL COMPLIANCE MANAGER**

**David Hochart**

David Hochart is a CEQA environmental planner and compliance manager with over 6 years' professional experience in environmental construction management, environmental document preparation, and municipal planning services. Mr. Hochart has experience in the preparation and management of CEQA documents for both master-planned communities and utility projects. His work experience is unique in that he both prepares CEQA documentation and ensures mitigation measures are implemented during construction through environmental compliance management. Representative projects include:

**EDUCATION**

University of California, Santa Barbara  
BA Environmental Studies/Geography,  
2005

- Syphon Reservoir Storage Capacity Expansion Project, IRWD
- South Bay Substation Relocation Project, CPUC
- San Vicente Dam Raise Project, San Diego County Water Authority, San Diego County
- Mission Trails Pipeline 3 Relining, Pipeline Tunnel and Vent Demolition Project, San Diego County Water Authority

## 3 DUDEK EXPERIENCE AND REFERENCES

### 3.1 On-Call CEQA/NEPA Experience

Dudek has an excellent track record of providing agencies with extension-of-staff and as-needed CEQA/NEPA consulting services. Dudek has completed over 60 as-needed contracts throughout Southern California. **Table 2** includes recent, relevant examples of our on-call work.

**TABLE 2. DUDEK RELEVANT ON-CALL CEQA EXPERIENCE**

Agency	Contract Name/Dates
City of San Diego, Engineering and Capital Projects Department	As-Needed Environmental Services, 1996–1998, 2007–2010
City of San Diego, Metropolitan Wastewater Department	As-Needed Environmental Services, 1993–1997
County of San Diego, Department of Public Works	As-Needed Environmental Services, 2006–2009
Eastern Municipal Water District	As-Needed Environmental Services, 1993–Ongoing
Metropolitan Water District of Southern California	As-Needed Habitat Restoration Services, 1994–1998
Riverside County Flood Control and Water Conservation District	On-Call Environmental Support Services 2005–Ongoing

### 3.2 IRWD Experience

Our engineers and environmental professionals have been working for IRWD over the past decade. We value our working relationship and are committed to making your projects a success. We invite you to discuss our response, communication efforts, quality of work, and ability to meet schedules with your colleagues and staff. Relevant experience and references are provided in the following project summaries.

#### PETERS CANYON/SYPHON RESERVOIR INTEGRATED PROJECT ENVIRONMENTAL FEASIBILITY STUDY

CLIENT: Irvine Ranch Water District

CLIENT REFERENCE: Eric Akiyoshi, PE, Senior Engineer; 15600 Sand Canyon, Irvine, California 92619-7000; 949.453.5354; akiyoshi@irwd.com



IRWD contracted with Dudek to provide environmental services. Dudek's scope of work initially included assisting IRWD with determining whether converting and expanding the existing Siphon and Peters Canyon Reservoirs to store recycled water reservoir is feasible, and then, if determined to be feasible, developing the best approach to design and permit the project, while minimizing mitigation costs and processing delays.

#### SOUTH ORANGE COUNTY INTERCONNECT PROJECT MND

CLIENT: Irvine Ranch Water District

CLIENT REFERENCE: Natalie Likens; 156000 Sand Canyon Avenue, Irvine, California, 92718; 949.453.5757; likens@irwd.com

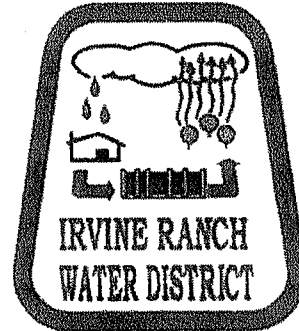
The MND addressed Phases B, C, and D of the South Orange County Interconnect Project. Phase B consisted of a new pump station. Phase C consisted of modifications to a booster pump station and interconnection pipeline, and Phase D consisted of approximately 7,400 linear feet of new interconnect pipeline.

**MICHELSON WATER RECLAMATION PLANT PROJECT EIR**

CLIENT: Irvine Ranch Water District

CLIENT REFERENCE: Natalie Likens, Greg Heiertz; 156000 Sand Canyon Avenue, Irvine, California, 92718; 949.453.5757, 949.453.5594; likens@irwd.com, heiertz@irwd.com

The IRWD expanded the Michelson Water Reclamation Plant (MWRP) as a key element to meet growing demands through 2025. IRWD hired Dudek to prepare the EIR in compliance with CEQA for this water reclamation plant expansion project. The EIR evaluates the potential environmental effects of expanding the existing MWRP from 18 million gallons per day (mgd) to 33 mgd. Key issues evaluated in the EIR included hydrology and water quality, groundwater, biological resources, public health and safety, air quality/odor, noise, and geological hazards.



**SAN JOAQUIN RESERVOIR EIR**

CLIENT: Irvine Ranch Water District

CLIENT REFERENCE: Mike Hoolihan, Principal Engineer; 156000 Sand Canyon Avenue, Irvine, California, 92718; 949.453.5553; hoolihan@irwd.com

Dudek completed an EIR to evaluate the potential environmental effects of the IRWD's proposed San Joaquin Reservoir Conversion to Reclaimed Seasonal Water Storage Project. The proposed project consists of repairs and improvement to the San Joaquin Reservoir, reservoir conversion requirements, and reclaimed water system improvements. The reservoir stood empty and was purchased by IRWD with the intent of converting it to reclaimed water storage for additional seasonal storage during low-demand winter months.



Environmental issues addressed in the EIR included visual impacts in the Newport Beach/Orange County area; long-term operational impacts including noise, odors, and mosquito and midge fly propagation; impacts to rare, threatened, and endangered species; geologic hazards; public health and safety issues relating to accidental release of chlorine gas; and impacts relative to reclaimed water discharge, including effects on potable groundwater, sensitive habitat, and on nitrogen loading within the watershed. The EIR also addressed growth inducement relative to maximizing the use of reclaimed water and its effect on potentially reducing the demand on other previously available supplies and associated water supply constraints to growth.

Following certification of the EIR, Dudek conducted monitoring of coastal sage scrub (CSS) habitat for the San Joaquin Reservoir project for a period of 12 months. Monitoring visits were consistent with requirements set forth in the EIR prepared for the project and involved 12 site visits to assess CSS habitat adjacent to reservoir construction activity. Dudek also provided on-site monitoring during construction, consistent with natural community conservation plan (NCCP) guidelines, as well as documented and quantified areas of CSS that were impacted. In addition, Dudek prepared follow-up monitoring memos that addressed field observations and provided management recommendations to limit further impacts. Finally, Dudek worked with IRWD and the contractor in monitoring and documenting post-impact planting and seeding efforts in disturbed restoration sites.

## DUDEK EXPERIENCE AND REFERENCES

### **IRVINE RANCH WATER DISTRICT HARVARD AVENUE TRUNK SEWER (HATS) DIVERSION PROJECT EIR**

**CLIENT:** Irvine Ranch Water District

**CLIENT REFERENCE:** Natalie Likens; 156000 Sand Canyon Avenue, Irvine, California, 92718; 949.453.5757, likens@irwd.com

Dudek prepared an EIR for this new force main/gravity sewer project. Important issues addressed in the EIR include air quality/odor, noise, visual, land use/recreation, traffic, and public health and safety. The EIR also evaluates six alternatives for diverting HATS flow.

### **DYER ROAD WELL FIELD PROJECT ADDENDUM**

**CLIENT:** Irvine Ranch Water District

**CLIENT REFERENCE:** Greg Heiertz; 156000 Sand Canyon Avenue, Irvine, California, 92718; 949.453.5560; heiertz@irwd.com

Dudek was responsible for preparing an addendum in compliance with CEQA for increased groundwater production associated with this project. Major facilities associated with increased groundwater production included groundwater wells, water treatment facilities, and associated pipelines. Dudek prepared groundwater modeling and hydrogeological technical memoranda in support of the expansion of production from the Dyer Road Well Field, use of the San Joaquin Reservoir for recycled water storage, and the Michelson Water Reclamation Facility Expansion.



Dudek evaluated the potential impacts on water levels and groundwater storage due to increases in production from the IRWD Dyer Road Well Field. As part of the evaluation, Dudek reviewed the development and calibration of the Orange County Water District (OCWD) groundwater model of the Orange County Groundwater Basin, and evaluated OCWD simulations of the effects of various groundwater recharge extraction scenarios involving increased production from existing well fields and potential new well fields.

### **LAKE FOREST AREA SUB-AREA MASTER PLAN**

**CLIENT:** Irvine Ranch Water District

**CLIENT REFERENCE:** Mike Hoolihan, Principal Engineer; 156000 Sand Canyon Avenue, Irvine, California, 92718; 949.453.5553; hoolihan@irwd.com

IRWD merged with the Los Alisos Water District (LAWD) in 2000 but had not fully integrated the operation and planning of the LAWD into the existing IRWD water, sewer, and recycled water infrastructure. IRWD hired Dudek to prepare a subarea master plan that not only documents the existing water, sewer, and recycled system facilities and their current operation, but also projects the future infrastructure needs of the service area.

Dudek prepared three independent hydraulic models, quantified and input existing flows/demands, and simulated existing and future development to identify both existing and future needs of each water resource. The Lake Forest Subarea Master Plan provides IRWD with a prioritized list of improvement projects to provide both short-term reliability and redundancy of the water infrastructure, as well as a phased plan for future improvements as the area develops over time.

### 3.3 Water/Wastewater Experience

Table 3 outlines Dudek's other water and wastewater experience in throughout Orange County.

**TABLE 3. DUDEK RELEVANT WATER/WASTEWATER EXPERIENCE**

Agency	Contract Name/Dates
Southern Orange County Water Authority	As-Needed Engineering Services Consultant
Southern Orange County Water Authority	Coastal Treatment Plant Sludge Force Main Replacement EIR
Southern Orange County Water Authority	Emergency CTP Export Line Replacement Project
Southern Orange County Water Authority	Force Main Environmental Permitting and Mitigation Plan
Santa Margarita Water District	Upper Chiquita Emergency Storage Reservoir EIR, Ongoing
Santa Margarita Water District	Canada Gobernadora Multipurpose Basin MND, Ongoing
Moulton Niguel Water District	Eastern Transmission Line Replacement Project, 2007–2008
City of Huntington Beach	Huntington Beach Desalination Project Subsequent/Supplemental EIR, Ongoing



## **4 SCHEDULE**

Please refer to **Appendix A** for the example schedule for preparing an MND.

## **5 BUDGET**

**Appendix A** of this proposal provides an example scope of work and cost estimate for the IRWD South Orange County Interconnect Project MND. The example provides a typical scope and cost assumed under this as-needed contract. Dudek's schedule of rates for 2011 would apply to the example and are also included in **Appendix A**.

## **6 JOINT VENTURE AND SUBCONSULTANTS**

Dudek anticipates completion of the proposed scope of services using our in-house staff. If specialized consultants are required, these consultants will be selected and preapproved by the IRWD.

## **7 CONFLICTS OF INTEREST**

Dudek has no knowledge of any conflict of interest as a company or with any personnel in order to be able to provide CEQA/NEPA documentation services to IRWD.

## **8 INSURANCE**

Dudek's compliant insurance certification is located in **Appendix C**.

## **9 CONTRACT**

Dudek has reviewed the sample copy of IRWD's professional services agreement and does not propose any modifications to the standard items and conditions.

# EXHIBIT "E"

# LSA

LSA ASSOCIATES, INC.

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RIVERSIDE

ROCKLIN

SAN LUIS OBISPO

S. SAN FRANCISCO

May 20, 2011

Mr. Paul A. Weghorst  
Principal Water Resources Manager  
Engineering Department  
Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, California 92618

Subject: Proposal for General Environmental Services – On-Call CEQA/NEPA Consultation

Dear Mr. Weghorst:

LSA Associates, Inc. (LSA) is pleased to present this proposal to provide on-call California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) services for an array of small project activities for the Irvine Ranch Water District (IRWD). LSA has a successful track record in preparing environmental documents that are technically superior and legally defensible. LSA is also known for being highly responsive to client needs and performing quick-turnaround consulting for its on-call clients. Having worked with IRWD since 1990, LSA always looks forward to and appreciates the opportunity to build on this relationship.


LSA has assembled a team of professionals who are highly qualified to address all the CEQA and NEPA tasks necessary to handle IRWD's smallest consultation needs, as well as its more complex and demanding projects. LSA has 18 professional environmental planners ready to assist the IRWD with on-call assignments. All of these staff are located in the Irvine office, just minutes away from IRWD offices and facilities. The project team, which possesses great depth of knowledge and expertise, includes Mike Amling, Principal in Charge, and Laura Rocha, General Environmental Task Manager. Mr. Amling has over 20 years of experience preparing environmental documents for large- and small-scale projects throughout Southern California. Ms. Rocha is not only familiar with IRWD's on-call environmental needs as she is currently working on IRWD projects, she is also accustomed to being "on-call." LSA's Irvine office also includes professional staff in the biological and resource agency permitting disciplines, acoustical engineers, archaeologists, paleontologists, water quality, energy/greenhouse gases, and air quality experts.

LSA is enthusiastic about the potential for continuing its work with IRWD projects. With LSA's background and experience, the objectives of IRWD can be met in the most efficient and timeliest manner possible.


Thank you in advance for your consideration of this proposal. Although every effort has been made to anticipate your needs, LSA welcomes the opportunity to discuss strategy and the details of this proposal. If you have any questions, please contact me or Laura Rocha at (949) 553-0666.

Sincerely,

LSA ASSOCIATES, INC.



Michael Amling  
Principal



Laura Rocha  
Senior Environmental Specialist



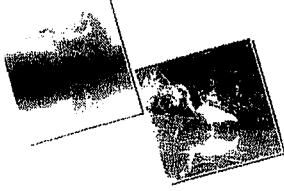
Irvine Ranch Water District  
On-Call CEQA and NEPA Consultation

**TABLE OF CONTENTS**

INTRODUCTION ..... 1  
PROJECT TEAM QUALIFICATIONS ..... 1  
TEAM ORGANIZATIONAL CHART ..... 5  
PROJECT REFERENCES ..... 6  
ON-CALL PROJECT APPROACH ..... 9  
SCOPE OF WORK ..... 10  
WORK FLOW CHART ..... 11  
SAMPLE SCHEDULE ..... 14  
BUDGET ..... 14  
JOINT VENTURE ..... 14  
CONFLICT OF INTEREST ..... 14  
INSURANCE ..... 15  
CONTRACT ..... 15

**APPENDICES**

- A: RESUMES
- B: SAMPLE SCOPE OF WORK/COST ESTIMATE
- C: SCHEDULE OF STANDARD CONTRACT PROVISIONS AND BILLING RATES



## Irvine Ranch Water District On-Call CEQA and NEPA Consultation

### INTRODUCTION

LSA Associates, Inc. (LSA) is excited for the opportunity to continue its service to the Irvine Ranch Water District (IRWD) to provide professional environmental consulting services for an array of small project activities on an on-call basis. Key benefits which LSA offers to IRWD include:

- Assignment of staff members with IRWD experience; especially key staff whom have been working with IRWD staff under LSA's contract
- Thorough knowledge of the CEQA and NEPA document processes for potable water, recycled water, wastewater, and energy efficiency projects
- Excellent working relationships with IRWD staff
- Biologists and cultural resource specialists with expertise in Natural Communities Conservation Plan/Habitat Conservation Plan (NCCP/HCP) for Central/Coastal Orange County, of which IRWD is a Participating Landowner
- Corporate Office is located in Irvine, just a short drive to the IRWD offices

LSA is a diversified environmental, transportation, and community planning firm with offices in California and Colorado. Headquartered in Irvine, California, LSA is a leader in the fields of environmental science, planning, and design. The company blends broad technical expertise with years of experience to provide its clients with enlightened and pragmatic solutions. LSA provides services in environmental analysis, transportation planning and engineering, biology, wetlands analysis, habitat restoration, natural resource management, water quality, geographic information systems (GIS), community and land planning, cultural resources, and air quality and noise impact assessment. Preparation of CEQA and NEPA documents (i.e., Environmental Impact Reports/Environmental Impact Statements [EIR/EISs], Initial Studies/Environmental Assessments [IS/EAs], and Categorical Exemptions and Exclusions [CE/CEs]) for public agency-related projects has been an LSA core service since the founding of the firm in 1976.

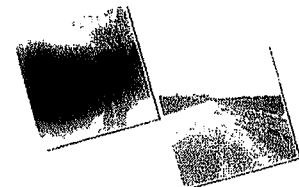
LSA provides expert consultation at all stages of the project delivery process, from initial planning and programming through environmental clearance and permitting, and ultimately to project design and construction. LSA has an outstanding track record in providing comprehensive CEQA and NEPA compliance services for some of the most challenging projects throughout California. This experience enables LSA to provide not just *technical* expertise in navigating the challenges of project development procedures, environmental review requirements, agency coordination, and environmental permitting, but also *strategic* expertise to help deliver projects within an often complex public policy framework.

### PROJECT TEAM QUALIFICATIONS

The most important elements of a successful project, regardless of its size and complexity, are the qualifications and experience of the staff assigned to the project. The LSA team has the experience and background to deliver projects efficiently and is adept at anticipating and responding to any changes as the projects proceed.

Based on LSA's review of the requirements set forth in the Request for Proposal (RFP), LSA has assembled a project team of professionals with the best qualifications to successfully complete the anticipated work for the scope of the on-call services.

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Below is a brief summary of the key staff, including the Principal in Charge, General Environmental Task Manager, and Technical Task Managers. Full resumes of all key personnel and additional support staff are included in Appendix A. The proposed key personnel will be available to the extent proposed for the duration of the contract, acknowledging that no person designated as "key" to the project shall be removed or replaced without the prior written concurrence of IRWD.

**MICHAEL AMLING, Principal in Charge**  
**Years of experience: 22**  
**Education: B.S., Urban and Regional Planning**

**Project Involvement: 15-20%**

As Principal in Charge for this contract, Mr. Amling will provide overall contract oversight, environmental compliance expertise, and quality control review of environmental documents and technical studies, and will verify Quality Assurance/Quality Control (QA/QC) Plan compliance for services performed by LSA. He will be the point of contact for all contractual matters and as task orders are issued, he will assign the task to the most appropriate task manager.

Twenty years of experience in environmental planning, policy planning, and urban design have given Mr. Amling a diverse background in the planning profession. His planning experience includes project management, environmental impact assessment, policy analysis, and site planning. Mr. Amling has researched and written technical sections in environmental documents, General Plans, Specific Plans, and urban design programs. His expertise in technical environmental issues includes: land use consistency; air quality; noise; aesthetics; light and glare; and public services and utilities. Mr. Amling has worked on projects undertaken for both public agency clients, as well as for private sector clients.

**LAURA ROCHA, General Environmental Task Manager**  
**Years of Experience: 8**  
**Education: M.S., Environmental Studies**

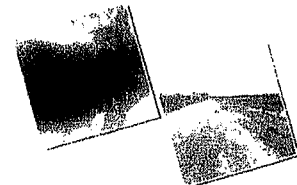
**Project Involvement: 20-40%**

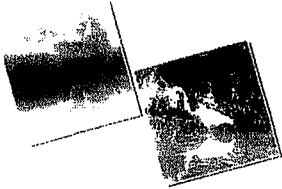
Ms. Rocha contributes to a variety of tasks related to the preparation and management of environmental documents, including technical reports, CE/CEs, Mitigated Negative Declaration (MND)/EAs, and EIR/EISs, pursuant to CEQA and NEPA for infrastructure improvements, redevelopment, and transportation projects.

Prior to joining LSA, Ms. Rocha was with the Orange County Sanitation District (OCSD). Through her previous regulatory work with OCSD, Ms. Rocha is intimately familiar with wastewater and recycled water operations. In addition, Ms. Rocha has become familiar with IRWD's on-call environmental needs, as she has served as Project Manager under LSA's current IRWD On-Call Contract for the Addendum No. 4 to the EIR for the Irvine Desalter Project and is currently managing preparation of the MND and supporting studies for the Santiago Canyon Booster Pump Station Permanent Generators Project. Through this work, Ms. Rocha has developed effective working relationships with IRWD staff and understands the quality of work and service expected by IRWD staff.

Ms. Rocha has been responsible for responding to client requests from LSA's Orange County Public Works (OCPW) and Riverside County Transportation Department (RCTD) on-call contracts. Through Ms. Rocha's on-call work with these public agencies, she is very knowledgeable of the CEQA/NEPA process, and is always ready to quickly respond to task order requests. Ms. Rocha continually builds upon her experiences and lessons learned with her on-call work to better serve clients, including IRWD, on

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future on-call projects. Because of her prior IRWD experience and significant on-call experience, Ms. Rocha will be our first choice for General Environmental task assignments.

**BLAKE SELNA, Biological Resources Task Manager**  
**Years of experience: 11**  
**Education: B.S., Environmental and Resource Sciences**

**Project Involvement: 10%**

Mr. Selna, an Associate and Biologist for LSA since 2000, will be responsible for biological resources surveys and permit procurement. Mr. Selna has developed a strong ability to evaluate habitat for local plants and animals, as well as the ability to identify potential improvement of the habitat through restoration/mitigation options. Mr. Selna has developed the individual skills of habitat mapping, vegetation classification, wildlife surveys, focused and floristic-level plant surveys, wildlife monitoring, arborist evaluations, plant salvage, construction monitoring, wetland/waters delineation, regulatory permitting, and using GPS and GIS technology. In addition to his scientific skills, Mr. Selna has strong personnel, project, and contract management abilities.

**DEBORAH MCLEAN, Cultural Resources Task Manager**  
**Years of experience: 28**  
**Education: M.A., Anthropology, specialization in Archaeology**

**Project Involvement: 5-10%**

Ms. McLean, a Principal for LSA's Irvine Cultural and Paleontological Resources Group, is responsible for coordinating and directing archaeological projects in compliance with NEPA, CEQA, National Historic Preservation Act (NHPA) Section 106, and the California Department of Transportation (Caltrans) guidelines. Ms. McLean provides Principal oversight and review of cultural documents produced by the Irvine office and assists with review of cultural documents produced by other LSA offices. She also oversees laboratory operations, prepares technical reports, and maintains responsibility for departmental staffing and management.

**KEITH LAY, Air Quality/Greenhouse Gas Emissions/  
Energy Task Manager**  
**Years of Experience: 11**  
**Education: B.S., Civil Engineering (Transportation and Environmental Engineering emphasis)**

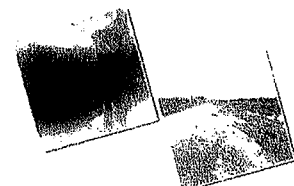
**Project Involvement: 5-10%**

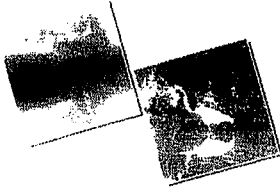
Mr. Lay, Associate and Senior Air Quality and Noise Specialist, will be responsible for air quality and noise studies. Mr. Lay has over 10 years of experience, specializing in noise and air quality analyses. Mr. Lay has conducted air quality and noise studies for a variety of projects. He has specific expertise in the use of both the CALINE4 CO dispersion model and the SOUND32 noise model.

**TUNG-CHEN (TONY) CHUNG, Noise Task Manager**  
**Years of Experience: 25**  
**Education: Ph.D., Mechanical Engineering**

**Project Involvement: 5-10%**

Dr. Chung, Principal, has more than 20 years of experience in environmental studies, specializing in noise and air quality impact analyses. He is on the "Certified Acoustical Consultant" list in both Orange and San Diego Counties. Dr. Chung has conducted more than 750 community and transportation noise impact analyses for highways/freeways, airports, railroads, landfills, and industrial/manufacturing plants, as well as for schools, hospitals, and residential developments.





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**NICOLE WEST, Water Quality Task Manager**

**Project Involvement: 5-10%**

**Years experience: 7**

**Education: M.S., Civil and Environmental Engineering; B.S., with Honors, Evolution and Ecology**

Ms. West, a Senior Environmental Specialist in LSA's Environmental Planning Division, assists in the preparation of environmental assessments, with a focus on water quality and floodplains. Ms. West has 8 years of experience in water quality, fisheries, and aquatic weed control. Her water quality experience includes researching related regulations; preparing water quality assessments, watershed sanitary surveys, quality control/quality assurance plans for sampling projects, and environmental impact assessments; surface water sampling; reviewing technical reports; and project management.

**KEN WILHELM, Traffic/Transportation Task Manager**

**Project Involvement: 5-10%**

**Years experience: 20**

**Education: B.A., Sociology**

Mr. Wilhelm, Principal, has over 18 years of direct experience in the management and preparation of traffic, parking, and bicycle studies throughout California. His primary responsibilities include the management, research, and analysis of regional transportation and planning projects, with an emphasis on circulation impact studies for development and capital improvement projects. Mr. Wilhelm has extensive experience in the preparation and review of City Circulation Elements, EIRs, bicycle transportation plans, parking demand analyses, and traffic impact studies. He also assists agencies with acquiring transportation funding through federal, State, and local grant programs.

#### Staff Availability

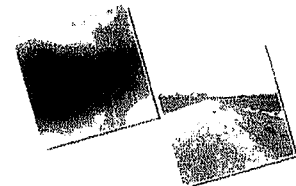
The LSA Team is ready to start work on this contract immediately. It has assigned the most appropriately qualified Project Manager and can assure the IRWD that Ms. Rocha will be available and accessible throughout the duration of the contract. LSA's commitment to meeting scheduling needs and project demands extends to doing whatever it takes to complete the job. LSA's work in the past has demanded staff time at nights and on weekends. LSA has also reduced handling time by using 24-hour reprographic houses capable of compiling, printing, packaging, and mailing completed documents in a single, efficient operation.

#### Organization Chart

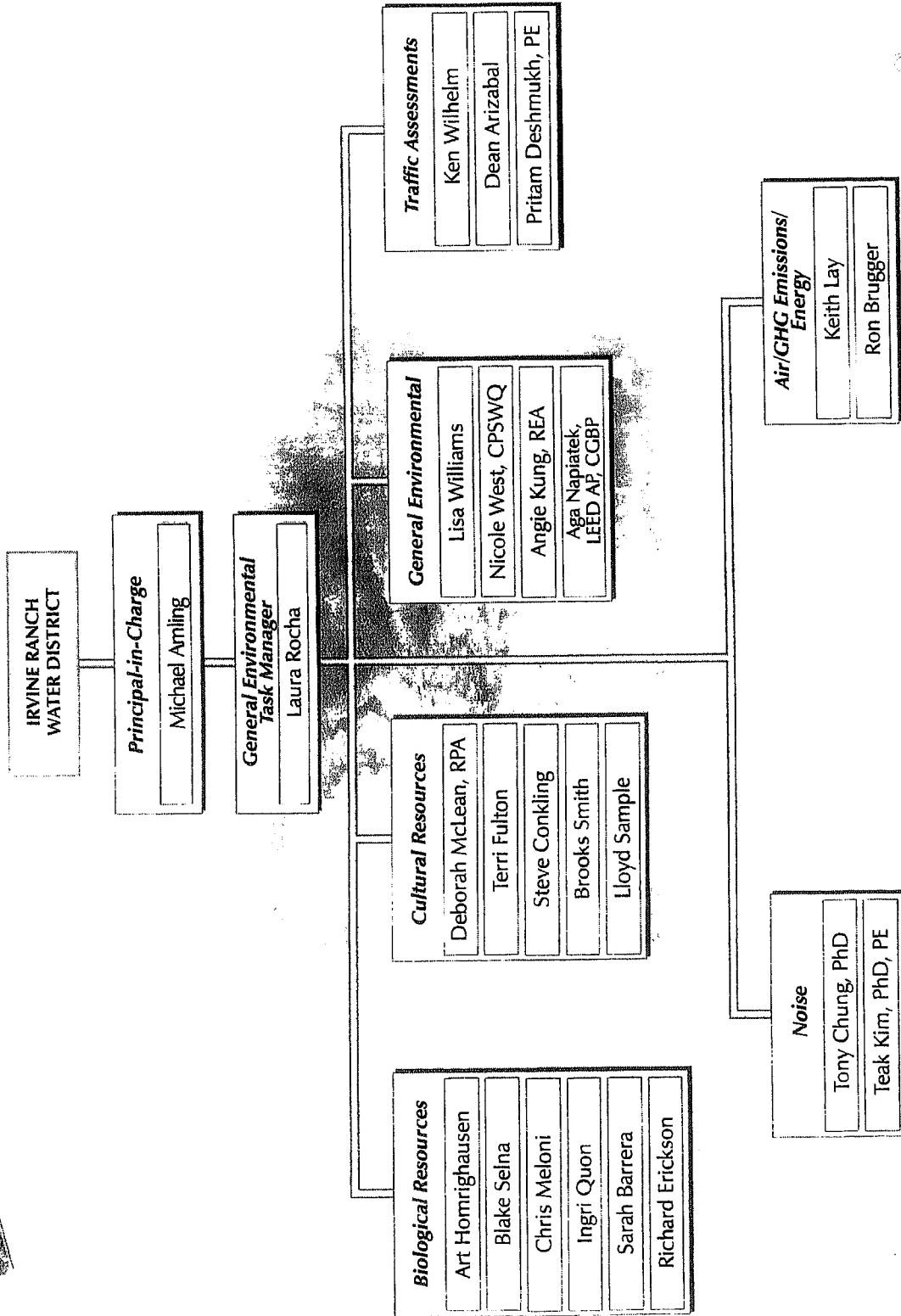
The Team Organization chart on the following page shows the key personnel and their relationship to other project staff. The individuals presented in the organization were specifically selected because of their prior work on IRWD projects or projects with similar requirements. While these individuals represent LSA's "core team" for this contract, other specialists from within LSA may be brought onto the team as needed.

LSA

LANDSCAPE ARCHITECTS

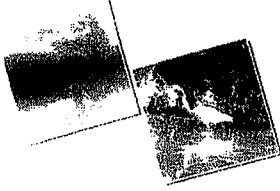


TEAM ORGANIZATION CHART



LSA





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On-Call CEQA and NEPA Consultation

**PROJECT REFERENCES**

LSA has been actively involved in land use planning and environmental review in the City of Irvine for over 20 years. LSA's experience throughout Irvine ranges from ongoing consultation services provided to the City and private sector clients to preparing environmental documents for some of IRWD's natural treatment system projects. These projects are sometimes controversial, requiring creative approaches to address challenging technical, political, and community issues. A representative list of LSA's environmental-related work experience with IRWD is provided below. LSA encourages you to contact the references listed below regarding the quality of LSA's work, management of budget and schedule, and attentiveness to project needs.

**Irvine Ranch Water District Current On-Call Services**

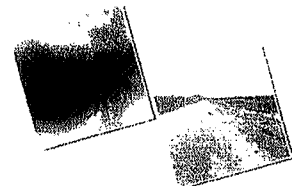
**Project Owner and Contact Information:** IRWD, Christian Kessler, (949) 453-5441  
**Project Start and Completion Date:** 2009–Present  
All deliverables were completed on schedule.  
**LSA Project Cost:** \$159,300, including variances to expand the scope of services  
**IRWD Staff Involved:** Christian Kessler, Steve Malloy, Billy Stewart, Ron Esmilla

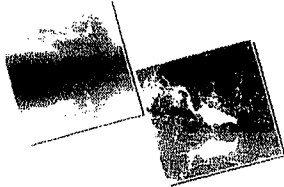
In 2009, LSA was retained by IRWD to provide on-call environmental permitting services. Based on the overall needs of the Michelson Water Reclamation Plant Phase 2 and 3 Capacity Expansion Project, the scope was expanded to include mitigation compliance monitoring, noise monitoring, special-status species surveys and monitoring, preconstruction nesting bird surveys, and vegetation clearing monitoring. Other projects further expanded the scope of LSA's services to include CEQA documentation for Santiago Generators and Irvine Desalter projects, archaeological/paleontological monitoring at Wells 21 and 22, and an arborist evaluation in Modjeska Canyon. The Irvine Desalter Project Addendum & Santiago Generators Project is detailed further below.

**Santiago Canyon Area Booster Pump Station Permanent Generators Project**

**Project Owner and Contact Information:** IRWD, Christian Kessler, (949) 453-5441  
**Project Start and Completion Date:** April 2011–Current  
All deliverables were completed on schedule.  
**LSA Project Cost:** \$49,460  
**IRWD Staff Involved:** Christian Kessler

LSA is currently under contract to prepare an IS/MND and EA/Finding of No Significant Impact (FONSI) for the IRWD Booster Pump Stations (BPS) Permanent Generators Project. The project site is located within the Santiago Canyon-Modjeska Canyon area within an unincorporated portion of Orange County. In October 2007, the Santiago Fire burned through IRWD's Santiago Canyon service area threatening homes, businesses, and the District's reservoirs and BPS in the region. During the Santiago Fire, power outages were experienced at several of the pump stations, requiring the installation of portable emergency generators at each site. However, these temporary generators are also susceptible to damage by wildfires and in addition are not permitted for permanent installation. LSA is currently assisting IRWD in obtaining the necessary CEQA/NEPA clearance for permanent replacement of these portable generators to improve the reliability of the water system during power outages, particularly when the outages are caused by fires in the canyons.





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**Addendum No. 4 to the Final EIR for the Irvine Desalter Project**

**Project Owner and Contact Information:** IRWD, Christian Kessler, (949) 453-5441

**Project Start and Completion Date:** November 2010–December 2010

**All deliverables were completed on schedule.**

**LSA Project Cost:** \$12,000

**IRWD Staff Involved:** Christian Kessler

LSA prepared Addendum No. 4 to the Final EIR for the Irvine Desalter Project (IDP), pursuant to CEQA and the CEQA Guidelines. The IDP is a joint groundwater quality restoration project by the IRWD and Orange County Water District (OCWD), with financial participation by the United States Department of the Navy (DON), to clean up the groundwater in the vicinity of the former Marine Corps Air Station (MCAS) El Toro base. The Addendum addressed the replacement of existing Well 78, including the destruction and replacement of the existing well, wellhead, and vault; pipeline; electrical; instrumentation; and ancillary equipment.

**Irvine Ranch Water District Previous On-Call Services**

**Project Owner and Contact Information:** IRWD, Christian Kessler, (949) 453-5441

**Project Start and Completion Date:** 2005–2007

**All deliverables were completed on schedule.**

**LSA Project Cost:** \$52,400

**IRWD Staff Involved:** Christian Kessler, Ken Thompson, Jim Hyde, and Lou Denger

LSA was retained by IRWD to provide miscellaneous on-call biological and environmental services. Work under this contract included the following: biological surveys; monitoring of IRWD construction and maintenance activities to prevent biological impacts and ensure compliance with the Fish and Game Code, the CWA, and the Endangered Species Act; providing assistance with obtaining necessary approvals under these regulations; and providing assistance with CEQA documentation.

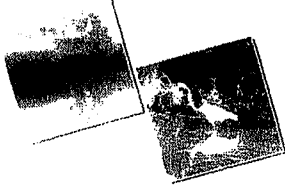
Under this on-call contract, LSA was asked to assist IRWD with the design, permitting, and construction of its 104 ac pond enhancement project in the San Joaquin Marsh of Irvine. One of the purposes of the project was to decrease nitrate concentration in tertiary treated water prior to discharge. Design issues included the maximization of bird habitat and selection of plant species. LSA prepared permit application documents and assisted with permit processing to enable IRWD to obtain a Corps Section 404 Permit and CDFG Streambed Alteration Agreement in less time than these agencies normally allot for these processes (i.e., fewer than 4 months for the Section 404 Permit and fewer than 30 days for the Streambed Alteration Agreement). Construction work included monitoring for biological, archaeological, and paleontological resources. Subsequently, LSA was retained under a separate contract with the Irvine Company to prepare a wetland mitigation plan to offset the minor impacts of the pond enhancement project and to create a wetland mitigation bank associated with the pond.

Other IRWD projects that were initiated under the on-call services arrangement or supplemental sole source contracts included the following:

- Monitoring of emergency repairs on a broken pipeline in Sand Canyon Creek and preparation of a restoration plan to mitigate the damage. LSA also monitored the restoration and is currently conducting the long-term maintenance and performance monitoring.

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- Preparing a habitat restoration plan and the subsequent monitoring of its implementation for a slope repair project in Mason Regional Park. The slope, which was damaged by a water line leak, supported CSS habitat that was occupied by the threatened California gnatcatcher. Assessment of the damage and development of the plan included coordination with the Orange County Harbors, Beaches, and Parks Department.
- Habitat mapping in the area of a proposed landscape berm for the purpose of determining constraints and permit requirements.
- Monitoring of weed removal activities throughout San Joaquin Marsh to ensure compliance with the Migratory Bird Treaty Act.
- Assessment of the biological effects of a leak in a pipeline containing tertiary treated wastewater. The work included interaction with a hydrologist to help determine the likely extent of the zone of saturation caused by the leak. LSA examined field conditions and historical aerial photographs to assess impacts on vegetation types.
- Conducting a 3-year study of habitat and soil conditions in Upper Newport Bay in anticipation of a permitted discharge of tertiary treated water from the Michelson Treatment Plant on San Diego Creek. LSA's studies included comprehensive vegetation mapping on an annual GPS mapping of the interface between saltmarsh and freshwater marsh vegetation and sampling of soil to determine salt content. Two years of monitoring was originally required to provide baseline information and for a study of the potential effects of the release of tertiary treated water by IRWD at the Michelson Treatment Plant on San Diego Creek. Although the discharge permit was suspended, the monitoring study continued for 3 years, providing comprehensive baseline data as well as an indication of ongoing changes in the distribution of vegetation.

**Addendum No. 3 to the Final EIR for the Irvine Desalter Project**

**Project Owner and Contact Information:** IRWD, Patricia Uematsu, (949) 453-5626

**Project Start and Completion Date:** 2003–2006

All deliverables were completed on schedule.

**LSA Project Cost:** \$64,100

**IRWD Staff Involved:** Patricia Uematsu

LSA prepared Addendum No. 3 to the Final EIR for the IDP, pursuant to CEQA and the CEQA Guidelines. LSA tiered off of IRWD's Master Plan of Sewers EIR to prepare the appropriate environmental documentation. The Addendum analyzed modifications to the potable system as a result of a relocated site for the Potable Treatment Plant (PTP), additional potable wells, new locations of potable well sites, construction of new and reuse of existing pipelines, new brine line, and other appurtenant changes as they related to those modifications. On September 15, 2004, the OCWD Board approved Addendum No. 3 to the Final Environmental Impact Report (FEIR) to cover these project modifications (Resolution No. 04-9-124).

**Carlson Marsh**

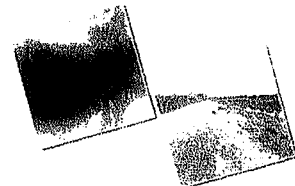
**Project Owner and Contact Information:** IRWD, Eric Akiyoshi, (949) 453-5854

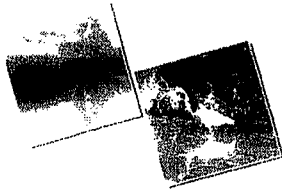
**Project Start and Completion Date:** 2003–2005

All deliverables were completed on schedule.

**LSA Project Cost:** \$205,300

**IRWD Staff Involved:** Eric Akiyoshi





## Irvine Ranch Water District On-Call CEQA and NEPA Consultation

LSA was initially retained to provide a biological/cultural constraints and environmental feasibility analysis for IRWD Carlson Marsh Regrade project at the San Joaquin Marsh. Field work included surveys and mapping for rare plants, the endangered least Bell's vireo and southwestern willow flycatcher, and a cultural resources survey. Following this initial work, the environmental feasibility analysis included a preliminary assessment of the type of CEQA documentation that would be needed. LSA also prepared estimates of the regulatory permitting and probable mitigation costs. Based on this analysis, the IRWD Board of Directors elected to move forward with the project.

LSA worked closely with the project engineer to help minimize environmental impacts. After project development, LSA prepared the CEQA documentation (MND) for IRWD and coordinated the permitting efforts, which included a California Department of Fish and Game (CDFG) Section 1602 Agreement, United States Army Corps of Engineers (Corps) Section 404 Individual Permit, Section 7 consultation with the United States Fish and Wildlife Service (USFWS), and a Section 401 Water Quality Certification from the Santa Ana Regional Water Quality Control Board (RWQCB). LSA also prepared the detailed Habitat Mitigation and Monitoring Plan, monitored project construction, and is currently monitoring development of the habitat mitigation efforts.

### The Metropolitan Water District of Southern California On-Call Services

**Project Owner and Contact Information:** Metropolitan Water District, Deirdre West, (213) 217-6696

**Project Start and Completion Date:** 2003–2007

**All deliverables were completed on schedule.**

**LSA Project Cost:** \$240,000

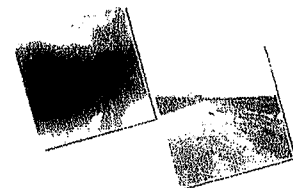
In 2003, LSA was awarded a second 3-year on-call services contract to perform a variety of environmental and biological-related services throughout Metropolitan's service area. Specific tasks related to this proposal include the following:

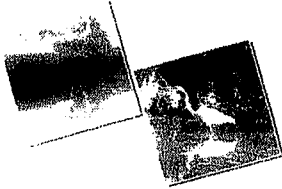
- **Oxidation Retrofit Program and Associated Projects.** LSA prepared environmental specifications for several projects related to construction of the Ozone Retrofit Project at Metropolitan's Robert Diemer Filtration Plant (Diemer Plant). LSA worked with members of Metropolitan's Engineering and Environmental Planning Unit on a daily basis to ensure adherence to the project schedule.
- **Settling Basin No. 8 Spillway Conduit.** LSA has assisted Metropolitan from the initial stages of this project, preparing plans and specifications up through managing the revegetation effort. Specific tasks that LSA worked on as part of the Basin No. 8 project include impact analysis utilizing GIS, sensitive species surveys, noise surveys to establish the ambient noise conditions paired with noise monitoring in the presence of sensitive species, revegetation guidance in compliance with Orange County Fire Authority and Habitat Conservation Plan requirements for improvements to the Diemer Plant adjacent to open space, and biological monitoring throughout construction. LSA also prepared a mitigation monitoring notebook for this project to track implementation of the mitigation measures and permit requirements.

### ON-CALL PROJECT APPROACH

At LSA, it is understood that an on-call assignment requires an "on-call" obligation. The LSA team is prepared to act quickly; be responsive, knowledgeable, and ready to use our experience for any myriad of possible requests. As important as being responsive is, LSA also is highly motivated to be solution oriented and provide all possible options for consideration. LSA's experience has led it to one common denominator when working under an on-call services contract: constant, clear, and productive

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## Irvine Ranch Water District On-Call CEQA and NEPA Consultation

communication. If selected for this contract, LSA will be responsive and efficient, with frequent and purposeful communication with IRWD staff.

LSA's approach to successful environmental project delivery involves organizing the project team and the tasks to achieve the following objectives:

- Work in coordination with IRWD and Project Consulting Engineers to minimize project environmental impacts to the maximum extent practicable to reduce project mitigation costs and streamline environmental approvals
- Ensure that all procedural steps required by NEPA and CEQA are met
- Incorporate early involvement of and coordination with State and federal regulatory and resource agencies to resolve issues and confirm assessment methodologies
- Maximize use of existing information to limit the need for new or supplemental studies

LSA's project management approach is to assign responsibility for the delivery of a quality project on time and within budget to the Project Manager. Mike Amling, LSA's Principal in Charge, and Laura Rocha, LSA's General Environmental Task Manager, will have total responsibility for maintaining an effective working relationship with the IRWD and maintaining the technical performance of all team members throughout the life of this consulting engagement.

### SCOPE OF WORK

Since this assignment is for on-call services to be performed on a task-order basis, a specific work plan cannot be presented at this time. However, this section presents LSA's general approach to this contract and to a range of potential environmental documents. It would be essential that there be a clear understanding between IRWD staff and the LSA team regarding each assignment's goals and objectives. The appropriate lines of communication and reporting will be established to ensure that the work progresses on schedule as planned. LSA's basic management plan for each task order is to discuss the project with IRWD staff, provide a well-defined scope of work, including possible optional tasks, competitive budget, and schedule. LSA's goal is to function as an extension of IRWD staff throughout the duration of the contract. LSA will work to establish the best possible staffing arrangements for each task order received for IRWD projects.

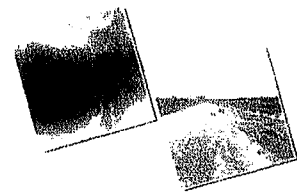
Presented below is a typical work plan for environmental services which would include the tasks listed below to comply with NEPA and/or CEQA. These environmental documents range from an ND or MND to EA/FONSI with supporting technical reports. All environmental work will be performed in accordance with applicable CEQA/NEPA policy and procedures. The following figure presents a flowchart for a typical IRWD project.

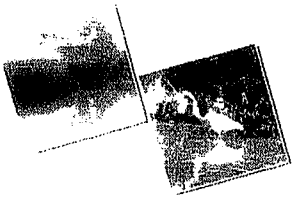
### Task Order Initiation

- IRWD defines need for environmental consultant services and reviews with LSA (including site visit).
- LSA prepares competitive scope, schedule, and cost proposal.
- IRWD approval and authorization to proceed. IRWD provides LSA project plans and other relevant project information, including right-of-entry authorization to any private properties that may require environmental field surveys.

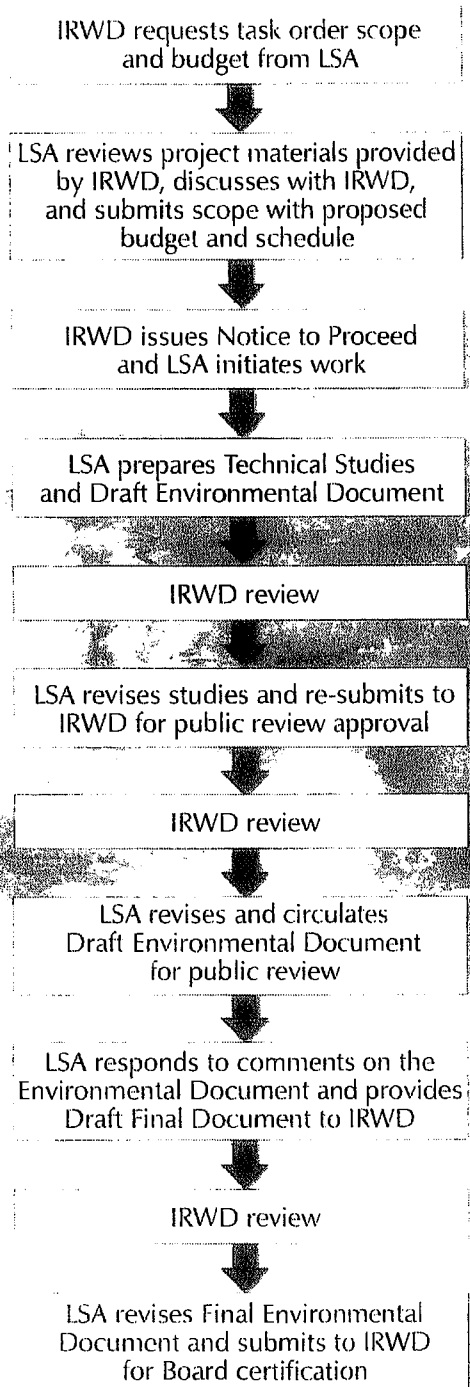
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E-12

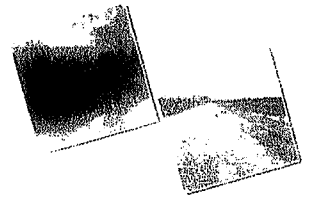


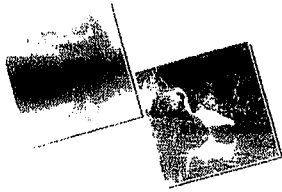


## TYPICAL PROJECT FLOW CHART



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**Environmental Technical Studies, Documents, and Permitting**

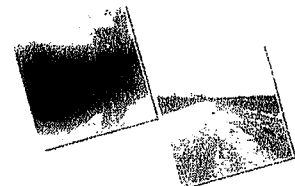
Based on the agreed upon and approved scope, LSA will then conduct the necessary technical studies identified during the scoping process with IRWD staff. The following studies may be required depending upon the location and scope of the project. Please refer to Appendix B for sample scopes of work provided to IRWD and the County of Orange for similar type projects.

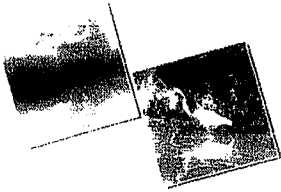
- **Biology:** A Biological Resources Assessment will be prepared to identify any State or federally listed endangered species that may be affected by the project. The Biological Resources Assessment will also include a jurisdictional delineation if there are drainages or wetlands crossed by the project. If over 5 acres of federal jurisdictional waters are affected, the project may need to follow the NEPA/404 integration process adopted by federal resource agencies in 1994 and amended in 2008. LSA has successfully completed the NEPA/404 process on numerous projects in the State.
- **Cultural Resources:** Documentation to comply with Section 106 of the NHPA will be prepared. LSA's services include a literature review, a field survey, contact with local historical societies and Native American groups, and preparation of the required documentation.
- **Hazardous Waste Initial Site Assessment:** An Initial Site Assessment (ISA) will be prepared to identify all documented hazardous waste sites located within the project study area, as well as facilities located within the project study area that store, transfer, or utilize large quantities of hazardous materials. An agency records search will be conducted to identify all hazardous waste sites located within the project study area and classified as a hazardous waste site under State law. A visual survey of the project area via available public access will also be conducted to identify any obvious area of hazardous waste contamination. If hazardous waste sites are identified within the project study area, the potential impact to the project will be determined, and subsequent procedures to determine the extent of contamination and remediation requirements will be identified.
- **Air Quality:** An air quality assessment will be prepared. LSA will conduct the screening analyses specified in the protocol and conduct CALINE4 modeling for carbon monoxide (CO) hot spots. LSA will also conduct a qualitative analysis on particulate matter less than 10 microns in size (PM<sub>10</sub>) based on State and federal guidelines. Conformity with the federal Clean Air Act (CAA) Amendments of 1998 will also be addressed.
- **Noise Analysis:** A noise analysis will be conducted to determine whether the project will exceed Orange County, State, or federal noise criteria. Noise measurements will be taken in the field to verify existing conditions. Noise modeling will be conducted to identify future noise levels with and without the project. Noise abatement measures will be recommended, as necessary.
- **Water Quality:** LSA will prepare a water quality assessment report (WQAR) to address compliance with the National Pollutant Discharge Elimination System (NPDES) permit requirements. The WQAR will include supporting text that can then be incorporated into the environmental document.
- **Visual Impact Assessment:** LSA will prepare a visual impact assessment of light and glare from the proposed project and the sensitivity of viewers of the road and from the road. If desired by IRWD for use in public meetings, LSA can provide high-quality visual simulations in conducting the visual impact analysis.

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E-14





## Irvine Ranch Water District On-Call CEQA and NEPA Consultation

- **Section 4(f) Evaluation:** For projects that affect public parklands, historic properties, or wildlife refuges, LSA will prepare a Section 4(f) Evaluation. For projects that do not require an EIS, a Programmatic Section 4(f) Evaluation or a determining finding is usually sufficient for most projects.
- **Environmental Document Process:** For projects that can be cleared with a CE/CE, LSA will append the technical studies to a CE/CE form for IRWD approval. For projects requiring an IS/EA, the results of the technical studies will be presented in a Draft IS/EA. If the technical studies reveal that all significant impacts can be mitigated, LSA will prepare a final Draft IS/EA that will be circulated for public review (following review and approval to circulate by IRWD staff). If there are impacts that cannot be mitigated, an EIR/EIS or EIR/EA will be required. Following public review of the IS/EA, an ND/FONSI will be prepared.
- **Environmental Permits:** Another important and critical aspect of the IRWD on-call contract is the successful coordination with regulatory agencies. LSA has successfully completed numerous projects that have required permits and/or agreements from public agencies other than the lead agency. LSA is continually involved with extensive project teams that include federal, State and local agencies, with which it interacts on a regular basis. The company has a successful working relationship with the various individuals at the resource and water quality agencies. LSA's staff of resource experts has developed respectful working relationships with numerous agency staff members, and has the knowledge that is gained over time and project experience. LSA brings that experience and working knowledge to IRWD tasks.

Once the environmental document is approved and preliminary construction plans are available, LSA will prepare the necessary permit applications for submittal to each regulatory agency as required. Potential permits required are Section 404 Permit (Corps), Section 401 Water Quality Certification (RWQCB), and a Section 1602 Permit (CDFG). LSA will assist IRWD as necessary for any agency consultation until the permits are approved. Permit issues will be resolved up front through early consultation with the resource agencies during the environmental document phase.

- **Construction Monitoring:** LSA has extensive experience in construction monitoring, both for cultural and biological resources. By employing highly trained individuals, LSA can handle archaeological or paleontological resource finds as part of the regular operating day on a construction site. This results in reduced costs to clients, because a special crew is not required and redirection of equipment is kept to the absolute minimum. LSA also uses monitors who are trained in both archaeological and paleontological resource monitoring. This enables LSA to place a single monitor in the field where many firms employ two individuals.

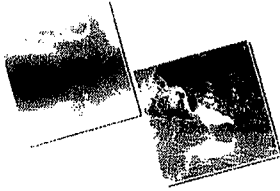
LSA's cultural resources staff have been responsible for monitoring and collecting paleontological resources during earth-disturbing activities; identification, preparation, and curation of paleontological resources; collection of contextual geologic data; preparation of data and intensive mapping of cultural and paleontological resources for site reports; and interpretive display design.

LSA's biological resources monitors have conducted site monitoring of numerous projects to ensure that areas designated as sensitive on or adjacent to the property are protected from construction vehicles and activities. In addition, LSA provides plans and specifications for the implementation of mitigation/habitat restoration sites. Finally, it provides ongoing monitoring of the performance of mitigation measures, including habitat restoration sites, to document compliance with measures that are required by CEQA and/or agency permits. Company monitors are trained biologists that have the appropriate knowledge, skills and rapport to work with grading contractors and landscape contractor crews.

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**SAMPLE SCHEDULE**

The timetable for various types of environmental documents is wide-ranging and depends on the public review process, outreach, and issues related to the proposed project. Preparation of a CE/CE, including necessary technical reports for a typical small project, is anticipated to be completed within 2 to 6 weeks of receipt of all relevant project-related information. Preparation of an IS/MND and/or EA/FONSI for a typical small project is anticipated to be completed within 24 weeks of receipt of all relevant project-related information, including a public review period of 30 days. The IS/EA work effort can proceed while the technical studies are being prepared. The following example schedule takes into consideration key factors, such as the timely receipt of project information by LSA, the extent of comments received during the public review process, and a consolidated set of comments by the IRWD project team. The schedule below may be refined (shortened or lengthened) during the task order initiation.

<b>Estimated Schedule</b>	
Project kick-off/develop project description	1 week
District review of project description	1 week
Preparation of technical studies	4 weeks
Preparation of Administrative Draft IS/MND and/or EA/FONSI	6 weeks
District review of Administrative Draft IS/MND and/or EA/FONSI	2 weeks
Revise Administrative Draft IS/MND and/or EA/FONSI	1 week
Public review of Draft IS/MND and/or EA/FONSI	4 weeks
Response to Comments	2 weeks
District review of Response to Comments	1 week
Final IS/MND and/or EA/FONSI, Mitigation Monitoring and Reporting Program (MMRP)/Environmental Commitment Report (ECR), and Findings	2 weeks
Preparation and filing of Notice of Determination (NOD)	Within 5 days of project approval

**BUDGET**

Budgets prepared for specific task orders will be based on the attached Schedule of Standard Contract Provisions and Billing Rates, Hourly Billing Rates and In-house Direct Expenses (Attachment C). A summary report and monthly invoice will be submitted to IRWD no later than the 15<sup>th</sup> of every month. The invoice will be consistent with the required IRWD format. Please refer to Attachment B, Sample Scopes of Work, for example budgets given for smaller-type on-call projects.

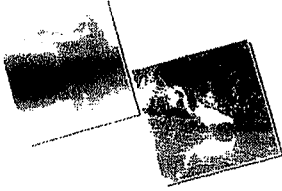
**JOINT VENTURE**

LSA does not propose any type of joint venture or have any intent to propose subcontract arrangements that will be utilized during the course of this project.

**CONFLICT OF INTEREST**

LSA does not foresee any conflicts that would affect its ability to complete projects for IRWD under the proposed contract.





Irvine Ranch Water District  
On-Call CEQA and NEPA Consultation

**INSURANCE**

LSA maintains insurance coverage consistent with federal and State requirements.

Insurer	Type of Coverage	
Zurich American Insurance Company	Comprehensive General Liability	\$1,000,000
	(per claim)	\$2,000,000
	(annual aggregate)	
Hartford Fire Insurance Company	Automobile Liability	\$1,000,000
Steadfast Insurance Company	Excess Liability	\$1,000,000
American Automobile Insurance (Fireman's Fund)	Worker's Compensation/Employer's Liability	\$1,000,000
Zurich American Insurance Company	Professional Liability (per claim)	\$2,000,000
		\$4,000,000

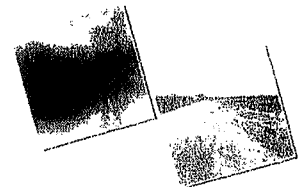
A Certificate of Liability Insurance is available upon request.

**CONTRACT**

LSA has reviewed IRWD's sample copy of the professional service agreement and we have no comments.

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LAND SURVEYING AND ARCHITECTURE





# HARMSWORTH ASSOCIATES

## Environmental Consultants

May 19, 2011

Irvine Ranch Water District  
Attn: Mr. Paul Weghorst  
Principal Water Resources Manager  
15600 Sand Canyon Ave., Box 57,000  
Irvine, CA 92619

Dear Mr. Weghorst:

**Re: Proposal for On-Call Monitoring and Permitting Services**

Harmsworth Associates (HWA) has provided general environmental services to private and public organizations since 1984. The firm developed a local expertise in Orange County through its work with the Irvine Company, The Nature Conservancy, the Nature Reserve of Orange County, IRWD and others on local issues within the IRWD Service Area. The firm played a major environmental role in the development of the Central and Coastal sub-region NCCP/HCP and has assisted organizations in T/E species compliance. Harmsworth Associates has prepared documents for and conducted CEQA/NEPA compliance, mitigation development and monitoring as well as associated wetland permitting with the USACE, CDFG and RWQCB. The firm has a close working relationship with The Irvine Company, in a number of Planning Areas, undertaking predevelopment biological surveys, mitigation planning and monitoring in IRWD's Service Area.

Recently the firm assisted IRWD with the several emergency projects resulting from the excessive winter storms in December 2010, including the ILP washout, the San Joaquin Reservoir Access Road repairs, and the Markuson Canyon. In each case HWA responded promptly to assess the site and obtain agency approvals for the repair works.

Neither Harmsworth Associates nor its personnel have a conflict of interest prohibited by law. The firm has the required insurance and has named IRWD as an additional insured on its certificates of insurance. The IRWD contract is acceptable to Harmsworth Associates.

Thank you for the opportunity to submit the enclosed Scope of Work.

Yours truly  
Harmsworth Associates



Rodney V. Harmsworth Ph. D.  
President

P4425/GES

**ENVIRONMENTAL ASSISTANCE  
FOR  
ON-CALL MONITORING AND PERMITTING SERVICES**

**SCOPE OF WORK**

At the request of the Irvine Ranch Water District (IRWD), Harmsworth Associates will provide the following on-call services:

**Task 1: Land Use Planning**

IRWD plans through its Master Plan, and sub-area Master Plans for its three primary statutory activities, to provide domestic water, reclaimed water and wastewater treatment. These activities are planned to accommodate the County and City development plans. Moreover, the IRWD is required to comply with the many laws, regulations and codes in its capital improvement program.

Harmsworth Associates is familiar with the Planning Areas within IRWD's Service Area and has recently conducted pre-construction biological surveys, construction monitoring or permitting in the following PAs 2, 6, 9 18, 27 and 39, for The Irvine Company's residential developments that will be served by IRWD through its capital improvement program. The firm has access to local planning documents, CEQA, NEPA documents and permits. Moreover, the firm was a part of the NCCP/HCP planning process representing the Metropolitan Water District of Southern California and later assisting both The Irvine Company and IRWD in the preparation of amendments to the NCCP/HCP.

*Harmsworth Associates will assist IRWD with planning its capital projects and maintenance activities by providing advice on the nexus of environmental issues with planning activities to minimize the environmental consequences and cost of its planned actions.*

**Task 2: Regulatory Agency Consultation, Permit Application and Procurement**

Harmsworth Associates is familiar with the preparation and processing of federal, state, and local permits on projects, operations, maintenance and planning activities. Assistance by Harmsworth Associates may involve the preparation and processing of permit applicants and supporting materials with one or more of the regulatory agencies. The firm has provided consultation on riparian and upland systems.

Harmsworth Associates secured permits for IRWDs NTS inline basins under a sub contract to Tettemer and Associates (now Stantec) and for IRWD's North Carlson Pond repair project. Currently HWA are in the process of obtaining permits for the Cienega Infiltration Gallery and Discharge Structure at Peter's Canyon Wash

*Harmsworth Associates will assist IRWD with the preparation of permit applications to the resource/wildlife regulatory agencies including:*

- *United States Army Corps of Engineers*
- *Bureau of Land Management*
- *United States Forest Service*
- *California Department of Water Resources*
- *California Regional Water Quality Control Board*
- *California Department of Fish and Game*
- *California Coastal Commission*
- *South Coast Air Quality Management District*

*Harmsworth Associates will provide services to monitor or implement compliance and reporting. Compliance may require monitoring contractor removal of exotic plants, restoration and revegetation monitoring then complete the annual or periodic reporting requirements in permits. Consultant shall provide certification of compliance with permit conditions for IRWD and agency approval. Harmsworth Associates shall develop a schedule of all permit requirements for existing and new permits and their status. Consultant shall bring any violations of permit conditions to the attention of the District.*

### **Task 3: Wetland Delineation**

Harmsworth Associates staff has taken the USACE delineation course and are fully competent to determine the jurisdictional boundaries of the United States Army Corps of Engineers (pursuant to Section 404 of the federal Clean Water Act). They have expertise with the California Fish and Game Code (pursuant to Section 1602) and the California Coastal Commission (pursuant to the California Coastal Act).

Harmsworth Associates has completed many wetland delineations in southern California and Orange County for submission to the USACE, RWQCB and CDFG to obtain permits certifications and agreements. One of the most complex were the agreements related to the proposed Cajalco Dam at Lake Mathews, the main domestic water storage source for much of this region. The permits required delineation, 404, 401 and 1602 agreements as well as a section 7 consultation with the USFWS due to the presence of the endangered Stephen's kangaroo rat and the threatened California gnatcatcher. The firm demonstrated a nexus between the 404 and upland listed species and was thus able to obtain upland "take" through the Section 7 permit without resorting to an individual ESA 10(a) permit.

Harmsworth Associates recently completed a Wetland Delineation and Vegetation Mapping for a complex lake-front project at Lake Elsinore, Riverside County. Also, wetland delineations were completed on IRWD's North Carlson Pond project and at Peter's Canyon Wash.

*Harmsworth Associates will provide wetland delineation services to IRWD in compliance with the regulatory definitions in force.*

#### **Task 4: Biological Survey, Monitoring, Assessment**

Harmsworth Associates has the necessary permits to survey for the listed species in the Service Area including nest monitoring ability for the least Bell's vireo and southwestern willow flycatcher collection of endangered fairy shrimp etc. The staff is very familiar with the flora and fauna of Orange County having completed some of the most extensive surveys undertaken in the County. The firm was selected to survey the **Orange County Coastal Central NCCP/HCP** project including:

1. Rare Wetland Plants in the Orange County Central/Coastal NCCP Subregion
2. Rare Grassland Plants in the Orange County Central/Coastal NCCP Subregion
3. Quino Checkerspot Butterfly Habitat in Orange County Central/Coastal NCCP Subregion
4. *Arundo donax* in Orange County Central/Coastal NCCP Subregion
5. Native Fish in Orange County Central/Coastal NCCP Subregion
6. Arroyo Southwestern Toad in Orange County Central/Coastal NCCP Subregion
7. Southwestern Pond Turtle in Orange County Central/Coastal NCCP Subregion
8. Grassland Birds in Orange County Central/Coastal NCCP Subregion
9. Tricolored Blackbird in Orange County Central/Coastal NCCP Subregion
10. Raptors in Orange County Central/Coastal NCCP Subregion
11. Least Bell's Vireo and Willow Flycatcher in Orange County Central/Coastal NCCP Sub-region

In addition the firm has undertaken extensive wildlife and plant surveys of the North Ranch Policy Plan Area for The Irvine Company. Currently the firm is undertaking numerous surveys for TIC, the NROC and the TNC of the flora and fauna in IRWD's Service Area.

*Harmsworth Associates will undertake biological surveys, assessments and monitor preconstruction and construction areas as required for the District's projects. Harmsworth Associates will provide field services, written reports, compliance with state and federal protocols and advisement on IRWD's projects. The firm will undertake preliminary and initial assessments, bird nesting surveys, biological monitoring and identification of threatened and endangered species.*

#### **Task 5: Threatened and Endangered Species Regulation, Monitoring and Reporting**

Harmsworth Associates can survey and prepare documents for endangered and threatened species and recommend strategies to minimize and mitigate potential impacts within the NCCP/HCP agreements. Harmsworth Associates has permits (No. PRT-810768) and MOUs to survey and study endangered species such as the least Bell's vireo, southwestern willow flycatcher, coastal California gnatcatcher, fairy shrimp, pond turtle and other species. The firm's staff attends meetings with the USFWS staff on key issues involving survey protocols for listed species and provides input of a practical nature.

As a consultant representative of Lennar Homes with the Coalition for Habitat Conservation the firm follows the latest developments and legal actions under the ESA. Complex issues such as the “No Surprises Policy” , “adverse modification” definition and the ability to mitigate “off-site” impacts to critical habitat are currently under litigation and may impact IRWD’s Section 10(a) (1) (B) Endangered Species Permit obtained as a result of the NCCP/HCP plan in 1996. These and other issues of importance are well known to Harmsworth Associates.

*Harmsworth Associates will assist IRWD in the review of regulatory issues associated with listed species under the Endangered Species Acts (FESA and CESA) and ascertain the significance of such regulation on IRWD’s projects, operations, and planning activities. The firm will provide assistance with specific policy formulation on endangered species covered under the:*

- *Federal Endangered Species Act*
- *California Endangered Species Act*
- *Natural Community Conservation Plan Act*
- *The NROC’s policies and IRWD’s rights on “take” in the reserve*
- *Migratory Bird Treaty Act*

*The firm will provide assistance with both existing 10(a) permits and new applications as required.*

#### **Task 6: Mitigation Monitoring and Reporting**

Harmsworth Associates has a long history of mitigation monitoring in Orange County. The firm is currently working on a number of projects for the Irvine Company undertaking preconstruction surveys, construction monitoring surveys for conditions compliance, noise monitoring and other requirements for several developments in the service area. The firm is currently assisting IRWD in restoring cactus scrub habitat at the OPA site and is assisting the Nature Reserve of Orange County (NROC) managing contractors controlling exotic weeds in the NCCP/HCP reserve.

#### **Other projects include:**

- Mitigation monitoring at various sites for IRWD including Santiago Oaks Regional Park, Quail Hill, Santiago Creek and PA6 water-tank.
- Surveys and monitoring for least Bell’s vireo, southwestern willow flycatcher, and other riparian birds at various riparian habitats in Irvine for The Irvine Company.
- Southwestern pond turtle habitat restoration and pond turtle monitoring at Shady Canyon for The Irvine Company.
- Vegetation and wildlife surveys for The Nature Conservancy, at open space areas of the Irvine Ranch.
- Monitoring vegetation removal under the NCCP guidelines



*Harmsworth Associates will assist IRWD in mitigation monitoring planning, 404, 1602, and 401 permit conditions compliance. Harmsworth Associates shall provide services to monitor or implement compliance and reporting. Compliance may require monitoring contractor removal of exotic plants, restoration and revegetation monitoring then complete the annual or periodic reporting requirements in permits. Consultant shall provide certification of compliance with permit conditions for IRWD and agency approval. Harmsworth Associates shall develop a schedule of all permit requirements for existing and new permits and their status. Consultant shall bring any violations of permit conditions to the attention of the District.*

#### **Task 7: Water Quality Stormwater Monitoring and Reporting**

Harmsworth Associates personnel have a strong background in water resources. Dr. Harmsworth was an analytical chemist prior to specializing in the field of fresh water biology as a limnologist. At Camp Dresser and McKee he was president of the Environmental Sciences Division and responsible for over 200 personnel including 100 water quality chemists. He managed water quality monitoring projects from wastewater treatment plant efficacy analysis (City of Detroit WWTP), sewer and wastewater discharges to lake, river and stream systems. He was responsible for the long-term monitoring of Salt Creek sediment load as a part of the RWQCB conditions. We are familiar with water quality collection procedures and the quality assurance procedures required for water quality collection and analysis.

*Harmsworth Associates will provide water quality and sediment quality monitoring for compliance with USACE, RWQCB, and CDFG permit conditions. Also, Harmsworth Associates will provide compliance monitoring with the General Orange County Stormwater Permit.*

#### **Task 8: Natural Treatment System**

Harmsworth Associates conducted invertebrate sampling in the Woodbridge Channel for the NTS project. The aim of the sampling was to document the existing invertebrate fauna of the Woodbridge Channel, particularly the riffle areas. Four locations were selected along the channel for sampling. Standard qualitative and semi-qualitative methods including, sweep netting of vegetation and the water column, sediment grabs, kick-sampling and hand searches, will be used to assess the status of the existing fauna. To the extent possible, sampling techniques were compatible with the methods used by Alex Horne along Peters Canyon Channel. The existing physical condition and vegetation communities at each location were described.

Harmsworth Associates obtained permits for IRWD's inline basins under a sub contract to Tettemer and Associates. The firm has expertise in the areas of water quality, freshwater biology, wetland permits and restoration of wetland systems. The NTS as designed will remove sediment, some nitrogen from nitrification processes in the treatment basins and potentially heavy metals adsorbed onto sediments and selenium to the atmosphere. The selenium removal mechanism is related to the sulfur cycle but is not well understood. Dr. Harmsworth believes that the reason that Selenium is discharged to

the atmosphere lies in two properties of selenium; 1. Selenium and Sulfur are in the same periodic group thus having similar chemical properties and 2. The atomic radius of sulfur, at 1.74 angstroms, is similar to that of Selenium at 1.91 angstroms. Thus selenium is often substituted in the crystalline lattice of various minerals, especially clay minerals. When plants or bacteria take up the Sulfur mineral they include some Selenium, and thus Selenium is metabolized along with Sulfur in the Sulfur cycle. This leads to the production of biological forms of Selenium such as selenols, selenic acids and a variety of other organo-selenium molecules. In low oxygen environments such as marshes where anaerobic metabolism is occurring sulfides are released and some Selenium along with it. These removals would be accomplished by stands of wetland vegetation such as cattails (*Typha* sp.) and tules (*Scirpus* spp.) for the uptake of nutrients and heavy metals, and provide a substrate for the macro- and micro-organisms responsible for nutrient, pollutant and BOD treatment and removal (e.g. denitrifying bacteria).

*Harmsworth Associates will provide assistance in monitoring water quality, fauna and the growth and types of vegetation in the basins. In addition the firm will provide advice on the management of the basins to optimize the removal of sediments and pollutants.*

#### **Task 9: Natural Community Conservation Plan/Habitat Conservation Plan (NCCP/HCP)**

Harmsworth Associates was a consultant member of the working group of agencies and landowners that prepared the Orange County NCCP/HCP program for coastal sage scrub including the preparation of the EIR/EIS, Management Plan and the Implementing Agreements. The program plays an important role in the mitigation plans for participating landowner's projects and the operation and maintenance plans of existing and future facilities.

Harmsworth Associates prepared survey documents for the wetland, upland and grassland surveys and biological analysis for the NCCP/HCP Amendment including:

- Rare Wetland Plants in the Orange County Central/Coastal NCCP Subregion
- Rare Grassland Plants in the Orange County Central/Coastal NCCP Subregion
- Quino Checkerspot Butterfly Habitat in O.C. Central/Coastal NCCP Subregion
- *Arundo donax* in Orange County Central/Coastal NCCP Subregion
- Native Fish in Orange County Central/Coastal NCCP Subregion
- Arroyo Southwestern Toad in Orange County Central/Coastal NCCP Subregion
- Southwestern Pond Turtle in Orange County Central/Coastal NCCP Subregion
- Grassland Birds in Orange County Central/Coastal NCCP Subregion
- Tricolored Blackbird in Orange County Central/Coastal NCCP Subregion
- Raptors in Orange County Central/Coastal NCCP Subregion
- Least Bell's Vireo and Willow Flycatcher in Orange County Central/Coastal NCCP Sub-region

Harmsworth Associates has extensive experience working with the Orange County (NCCP/HCP). Projects relating to NCCP/HCP issues have been conducted for the Nature Reserve of Orange County, The Irvine Company, The Nature Conservancy, Transportation Corridor Agencies and others. Many of these projects have included conducting biological assessments, focused surveys, assessment of impacts to NCCP resources, construction monitoring and co-ordination with NROC and wildlife agencies.

Harmsworth Associates recently provided NCCP/HCP compliance for IRWD on the Santiago Waterline emergency bypass line, Quail Hill Antenna and the Newport Coast Catholic project.

*Harmsworth Associates will provide assistance to IRWD in the planning of its projects that are related to the NCCP/HCP plan. Three main elements, the ESA 10a permit, the Implementing Agreement and the Mitigation Monitoring Program are of importance to IRWD. We will provide assistance for Section 10 relating to the construction minimization methods that must be followed.*

**Task 10: Project Coordination**

Harmsworth Associates has a history of successful coordination with other consultants and agencies; and we can work equally well as a project leader or as a team member. Harmsworth Associates was a consultant member of the working group of agencies and landowners that prepared the Orange County NCCP/HCP, which required significant coordination with other consultants and agencies. Harmsworth Associates successfully obtained permits for IRWD's inline basins under a sub contract to Tettemer and Associates; and regularly work and coordinate with a variety of IRWD managers and staff on IRWD projects.

*Harmsworth Associates will coordinate with other consultants and agencies as necessary and will provide project management or act as a subordinate as directed by IRWD.*

**Task 11: Staff Rates**

The rates of the personnel shown in the table would be used on the contract

**CONSULTING FEE SCHEDULE  
JULY 1, 2011 TO JUNE 30, 2012**

<b>Labor Category</b>	<b>Hourly Rates</b>
Principal	\$ 140.00
Vice-principal	\$ 125.00
Sr. Biologist	\$ 100.00
Project Biologist	\$ 80.00
Assistant Biologist	\$ 60.00

**EXPENSES**

Mileage \$ 0.55 /mile

Other direct costs at cost plus 12%

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HARMSWORTH ASSOCIATES

### **Task 12: Project Task Item Estimates**

Once requested Harmsworth Associates always provides project scope/cost in a timely manner. Harmsworth Associates is used to working for IRWD, Irvine Company and other clients on call contracts, and is experienced in providing project scopes/costs at short notice. For all projects Harmsworth Associates provides a scope of work, cost estimate, schedule and staff availability; the level of detail depends on the client requirements for individual projects.

On small projects with very quick turn-around times Harmsworth Associates can provide a same-day proposal with staff availability, schedule, cost estimate and scope via email. For example on the IRWDs Irvine Dam Seismic Stability Study, the cost for NROC approval was provided via email with an estimated cost of \$2,000 and the project was completed for a total cost of less than \$1,500.

On more typical small jobs Harmsworth Associates can provide a proposal, cost estimate, staff availability and schedule within a few days. For example the San Joaquin Marsh feral cat survey which was conducted under budget (see Appendix A).

For more complex projects Harmsworth Associates provides a more detailed proposal including methodology, detailed schedule, cost estimate, scope of work and staff assignments. For example the biological surveys currently being conducted for The Planning Associates (see Appendix A).

### **Task 13: Team Experience**

Harmsworth Associates would undertake the majority of the work with its own staff; detailed SOQ attached. However, we have included subcontractors in case additional work outside of the current scope is required.

Primary HWA staff for this project are as follows, although other staff may be utilized as necessary (detailed resumes are attached in Appendix B);

Dr. Rod Harmsworth - Dr. Harmsworth has over 30 years of experience in all phases of project and personnel management in the environmental sciences field. Dr. Harmsworth was involved in the preparation of the Orange County NCCP/HCP as a representative of the Metropolitan Water District of Southern California.

Time availability for IRWD contract – 15% of time.

Paul Galvin, M.S. – Designated Project Manager for on-call contract. Mr. Paul Galvin has over 20 years of experience conducting biological surveys, T/E surveys and managing environmental projects. Mr. Galvin is an expert in NCCP/HCP compliance and implementation and 404/1600 permitting.

Time availability for IRWD contract – 30% of time.

Dr. Tara Schoenwetter – Ms. Schoenwetter has over 10 years experience conducting botanical and biological surveys. Ms. Schoenwetter has extensive experience with wetlands/riparian habitats, coastal sage scrub and other NCCP habitats, and is an expert in rare plants. Time availability for IRWD contract – 25% of time.

Ms. Michelle Balk, M.S.– Ms. Balk has over 10 years experience conducting botanical and biological surveys. Ms. Balk has extensive experience with wetlands/riparian habitats, coastal sage scrub and other habitats, and is an expert in rare plants. Time availability for IRWD contract – 15% of time.

Brian Karpman, B.S. - Mr. Karpman has over 12 years of experience in wildlife surveys and construction monitoring. Mr. Karpman has conducted numerous surveys for threatened/endangered wildlife and sensitive bird species including the California gnatcatcher (*Polioptila californica californica*) and the least Bell's vireo (*Vireo bellii pusillus*). Time availability for IRWD contract – 20% of time.

**HARMSWORTH ASSOCIATES**

Biological surveys  
Threatened and Endangered Species  
NCCP/HCP  
Wetland delineation  
Water quality and stormwater monitoring  
Permitting  
CEQA/NEPA  
Mitigation Monitoring  
NTS

**GIROUX AND ASSOCIATES**

Meteorology-Air Quality  
Noise-Acoustics

**APPLIED PLANNING INC**

Land use planning  
CEQA/NEPA

**NAKAE AND ASSOCIATES**

Weed and exotic vegetation removal  
Landscaping  
Revegetation  
Restoration

# EXHIBIT "G"



May 20, 2011

Mr. Christian Kessler  
Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, California 92618

SUBJECT: Proposal for On-Call Monitoring and Permitting Services

Dear Mr. Kessler:

ICF International (ICF) is pleased to submit this proposal, as we would like to provide environmental monitoring and regulatory/permitting services to the Irvine Ranch Water District (IRWD).

ICF is ideally suited to support IRWD because we are a multi-disciplinary environmental consulting firm with a deep understanding of regulatory compliance, a wide range of monitoring experience, CEQA/NEPA documentation, and environmental analysis. The project management team described herein will provide a strong knowledge of, and practical experience with monitoring and regulatory compliance, as well as extensive experience preparing a full range of technical studies for water districts within California. Our team offers the following advantages to IRWD.

- **Exceptional Experience.** The depth of our scientific knowledge base, extensive monitoring and regulatory experience within the IRWD service area, and effective project management staff that understand IRWD's preferences enables us to quickly write accurate and cost-effective scopes of work with no learning curve.
- **Efficient Project Management.** We ensure rapid response (within 24 hours) from our staff. Our key staff is experienced, located in Irvine, and available on short notice to meet with IRWD staff at IRWD headquarters or a field location within the IRWD service area.
- **Emergency Experience.** ICF staff has handled multiple emergency projects in relation to jurisdictional areas and have been able to obtain the required permits in an expeditious manner. We know that these projects have no forewarning and that rapid response to IRWD in order to begin immediate coordination with the resource agencies is of the utmost importance.
- **Invoicing Customization.** ICF provides services to numerous clients that require specific invoicing procedures and communication protocols. ICF is prepared to meet IRWD's invoicing needs to support your ability to complete projects proficiently.

We look forward to working with you. Should you have any questions about our qualifications or approach, feel free to contact me at 949/333-6610 or Lesley Hill at 949/333-6609 (lhill@icfi.com).

Sincerely,

A handwritten signature in black ink, appearing to read "Charles Smith".

Charles Smith, AICP  
Vice President, Project Director

A handwritten signature in black ink, appearing to read "Lesley L. Hill".

Lesley L. Hill  
Senior Regulatory Specialist, Project Manager

## INTRODUCTION

ICF International (ICF) (formerly ICF Jones & Stokes) has provided the Irvine Ranch Water District (IRWD) with California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) consultation services for the past two years. This recent relationship with IRWD enables us to implement proven best practices for the proposed monitoring and permitting on-call contract, responding quickly and adeptly to your requests — from start-up and invoicing through implementation monitoring. It builds upon our more than 40-year history of environmental consulting experience. *The result is exceptional experience, efficient project management, and proficient task completion.*

### We Understand Your Needs

ICF is organized to assist IRWD with performance of biological resources surveys, jurisdictional delineations, and in complying with state and federal laws associated with project impacts to wetlands, streambeds, coastal resources, sensitive plants and wildlife species and habitats. We understand that IRWD's mission is to provide potable and non-potable water supply and wastewater collection, treatment, and disposal services in an environmentally sensitive way. Because the majority of the IRWD service area is built out, few new service areas remain beyond the former El Toro Marine Corps Air Station and the planning areas in the north-central area of the District. As a result, we expect that much of the upcoming capital improvement projects initiated by IRWD will involve extending potable and non-potable water supply and wastewater infrastructure to these areas and construction of small treatment plants.

We also understand that much of the subject on-call contract will be used to support ongoing operations and maintenance to existing facilities, and respond to emergency situations. Based upon our team's long and successful history in working with the County

of Orange Public Works (OCPW) in obtaining regulatory permits for similar types of projects, we understand that quick and efficient work is needed to ensure that these necessary maintenance and emergency projects are able to move forward.

IRWD's service area supports a number of special status plants, wildlife, and features that may qualify as state and federal jurisdictional streambeds, from the natural foothills associated with Silverado and Modjeska Canyons to the urbanized City of Irvine, where the San Joaquin Marsh is located. Additionally, IRWD operates facilities, such as the Michelson Water Reclamation Plant, within or immediately adjacent to the Coastal Zone.

During the course of planning for capital improvement projects or necessary maintenance of existing facilities, IRWD must determine the type and extent of sensitive resources within the project footprint, minimize the potential for project impacts to the extent practicable, coordinate with the resource agencies to obtain any necessary permit authorizations, and finally, mitigate for any unavoidable project impacts. Additionally, IRWD must comply with the requirements of the adopted Total Maximum Daily Loads (TMDLs) established by the Regional Water Quality Control Board (RWQCB) for various waterbodies in the service area, as well as the County of Orange Central/Coastal Natural Community Conservation Plan (NCCP), to which IRWD is a signatory. Once the San Diego Creek Special Area Management Plan (SAMP) is implemented by the U.S. Army Corps of Engineers (Corps) and the California Department of Fish & Game (DFG), IRWD must also follow the conditions and new permit requirements of the plan for facilities located in that watershed.

We are familiar with your network of constructed water quality treatment ponds, known as natural treatment systems (NTS). We understand the level of effort that has gone into developing this groundbreaking program and the guidelines set forth for maintenance to keep them running at their peak efficiency. We would be happy to help

IRWD in their maintenance and monitoring responsibilities of these systems.

To be successful in providing on-call environmental services with respect to regulatory permitting documentation and processing to IRWD, the selected consultant is expected to possess a number of key qualities. The table that follows identifies these key qualities and highlights ICF's strength and ability to address those needs.

**TABLE 1: ICF CAN MEET IRWD'S NEEDS**

**Proven team with expert knowledge of permitting and associated administrative processes**

The ICF team possesses a broad expertise and knowledge of Section 404 and 401 of the Clean Water Act (CWA), California Fish and Game Code, state and federal Endangered Species Act (ESA), California Coastal Act, National Historic Preservation Act (NHPA), and Migratory Bird Treaty Act.

**Responsiveness to requests**

Our Project Manager, Project Director, and the majority of our technical team members are located approximately 2.5 miles from IRWD's offices. We have shown that we can be available to meet with IRWD staff within minutes and be highly responsive with quick reviews, analysis, and documentation. While we propose a single point of contact for initial consultation (Lesley Hill), multiple project managers provide the necessary backup to ensure IRWD's project manager can always get a hold of someone.

**Competent project management**

Project Manager, Lesley Hill, has over 10 years of experience working on projects requiring permitting and regulatory compliance, plus general natural resource issues. Lesley Hill also has extensive experience working for and with government agencies and understands the hurdles that accompany these projects. Her experience has mainly been focused in Orange County and she has an excellent track record of delivering high quality work products on time and within budget.

**Demonstrated history of success**

ICF prepared the OCPW San Diego Creek Operations and Maintenance (O&M) Program Environmental Impact Report (EIR) and completed the regulatory permit applications. Our regulatory permitting team has completed more than 36 projects for OCPW at sites throughout the County and involving CEQA, NEPA, regulatory permits, focused and general biological resources surveys, mitigation planning, and mitigation monitoring. Additionally, our team has provided regulatory services to the Orange County Transportation Authority (OCTA) for the MSAA and Master IP Measure M2 project, the City of Murrieta for the Line D/D-1 project, and San Diego County Water Authority on the San Vicente Dam Carryover Storage Project. Lesley brings additional expertise in obtaining

emergency permits during her tenure with the Department of Transportation.

**History of providing scopes of work, schedules, and cost estimates in a timely manner**

Lesley is able to develop a response to a request promptly, providing detailed scope, schedule and cost in an expeditious manner. Our team is also supported by local proposal coordinators that can assist our proposal managers to deliver proposals swiftly.

**Solid understanding of how mitigation or permit conditions and requirements intersect with approval of laws and regulations; strong relationships agency representatives**

We have an excellent working knowledge of the County of Orange Central Coastal NCCP, TMDL requirements, and the San Diego Creek SAMP. Members of our team have developed long-standing working relationships with the County of Orange, City of Santa Ana, Caltrans and Santa Ana and San Diego RWQCB's, DFG, Corps, and United States Fish and Wildlife Service (USFWS).

**Conduct mitigation monitoring and reporting tasks related to long-term mitigation monitoring plans or those adopted as a part of CEQA**

ICF has a long history of working with clients to implement mitigation monitoring plans that have been developed as part of a CEQA process, permit negotiations, and restoration activities, including pre-construction surveys, construction monitoring, and long-term management of habitat mitigation and restoration.

Our local biologists and archaeologists are familiar with the local environmental conditions of potential concern, and can work with IRWD staff and field crews. ICF is currently under contract to Southern California Edison (SCE) for the largest project our division of ICF has ever secured for the implementation of the Tehachapi Renewable Transmission Project (TRTP). For this project, we are providing extensive staffing resources for biological preconstruction surveys, as well as biological and cultural construction monitoring. ICF previously worked with SCE on the project to secure regulatory permits for the project.

**Appropriate certifications, knowledge, and skills**

Our project management team and many of our planners are certified by the American Institute of Certified Planners (AICP). Our acoustical engineer is Board Certified by the Institute of Noise Control Engineers. Our archaeologists are Registered Professional Archaeologists and meet the Secretary of the Interiors Standards, and many of our biologists have the necessary permits and certifications to conduct protocol surveys for species that may be of concern.





RFP TASKS?

# SCOPE

## Scope of Work/Methodology

We understand that the majority of small projects that may require our services will likely require preparation of biological surveys and wetland delineations, and will likely qualify for the Section 404 Nationwide Permit Program. For illustrative purposes, the following Work Plan for regulatory permits assumes that we are tasked to prepare a general biological survey and wetland delineation for a given project, and found that a Section 404 Nationwide Permit, Section 401 water quality certification, and Section 1602 streambed alteration agreement would be required. While we understand that the successful consultant for this solicitation will not likely be involved in formal Section 7 consultation with the USFWS, this task has been included to demonstrate our competency in this area. Please see **Appendix B for Sample Scopes of Work** including a higher level of detail for work that our regulatory compliance and biology team is or has conducted.

Biological monitoring to ensure that mitigation set forth by CEQA, NEPA or regulatory permits varies widely in its implementation and is dependent on the type of resource involved and the mitigation that was agreed to. Therefore, rather than provide a sample task, we have provided different types of mitigation monitoring and regulatory proposals in Appendix B as well.

ICF will conduct a review of existing information on the biological resources of the project vicinity, available environmental documentation on nearby recent projects, and any other pertinent biological information. We will also consider special-status species known to occur near the project site. If necessary, we will conduct general field surveys and, if applicable, focused surveys for special-status species pursuant to accepted

survey protocol and during recommended survey periods for such species.

The County of Orange Central/Coastal NCCP will be reviewed to determine whether the species in question are covered by the plan, where the project is located within the plan area, and any reduced or specific survey requirements that might apply.

Based on the results of the background research and surveys, we will address direct and indirect impacts of the proposed project on non-native and native vegetation communities, wildlife habitat, sensitive habitats and species, and adjacent biological resources. When the studies are conducted during the preliminary planning stages of the project, ICF will provide a sensitive resources map that will assist in project design. Recommendations for avoidance of impacts through facility siting or construction methods will be provided, plus a summary of the regulatory requirements, costs, and timing associated with different project designs being considered.

Using accurate impact analysis in conjunction with accurate GIS mapping is essential to move the permitting process forward efficiently

When the studies are conducted following preparation of the design plans, ICF will prepare an impacts analysis based upon the project plans provided. The significance of impacts will be analyzed per CEQA following development of significance thresholds to assist in defining "substantial" in CEQA guidelines Appendix G. The impacts section will also include a discussion of applicable laws dealing with biological resources (i.e., ESA, Migratory Bird Treaty Act, and Section 404 of the CWA). We will develop mitigation measures that would minimize, to the extent feasible, any significant biological impacts.

Our Irvine staff is experienced in managing a wide range of land use planning projects, which include land use planning, municipal service and infrastructure planning, and jurisdiction boundary planning.

285





specific, general, and regional conditions. We have included a scope of work in Appendix B that includes information on the Individual Permit process if project impacts to resources deem this process necessary. The average processing time for a nationwide permit is 120 days. Demonstrated compliance with the federal ESA, Coastal Act, State Historic Preservation Act, and Section 401 of the CWA is required prior to issuance of the permit. Most small to medium sized projects are authorized under the nationwide permit program.

ICF will conduct a preliminary review of the project to determine whether expedited processing under the Corps Nationwide Permit Program is feasible and prepare the preconstruction notification package.

We can expedite 401 and 1602 review and permit issuance through our excellent relationships with agency staff.

**RWQCB Section 401 Water Quality Certification Process**

As a condition of the Corps 404 Permit Program, a 401 certification from the RWQCB is required. The certification states that the project is in compliance with the federal CWA and will not result in significant water quality impacts.

A written request for 401 water quality certification will be prepared and submitted to the RWQCB (Santa Ana or San Diego Region) for review. Upon formal notification, an agreement should be forthcoming within 60-90 days of completion of the CEQA process.

We are highly experienced in assisting applicants in choosing and documenting the Least Environmentally Damaging Practicable Alternative to present to the Corps

**Section 106 of the National Historic Preservation Act**

A 1602 Streambed Alteration Agreement would be required if the project would have

temporary or permanent impacts to state waters or divert flow from a creek or stream.

A 1602 Streambed Alteration Notification will be prepared and submitted to the DFG for review. The request will include a detailed project description, general and focused biological survey reports, a description of proposed impacts, a conceptual mitigation plan, and completed notification forms. We anticipate that DFG will be able to complete the draft agreement within 60-90 days of the completion of the CEQA process.

**Section 106 of the National Historic Preservation Act**

Prior to issuing a permit under Section 404 of the CWA (as well as Section 10 of the Rivers and Harbors Act), the Corps must also determine that the proposed project is in compliance with the National Historic Preservation Act (NHPA).

The NHPA (16 U.S.C. 470) created the Advisory Council on Historic Preservation (ACHP), an independent federal agency, to advise the President and Congress on matters involving historic preservation. The ACHP is authorized to review and comment on all actions licensed by the federal government that may have an effect on properties listed in the National Register of Historic Places (NRHP), or eligible for such listing (California Resources Agency 1997).

Specifically, Section 106 of the Act (16 U.S.C. 470(f)) establishes that a federal agency involved in a proposed project or activity is responsible for initiating and completing the review process regarding adverse effects to properties that are listed or eligible for listing on the National Register. The agency must confer with the SHPO (an official appointed in each state or territory to administer the National Historic Program) and possibly the ACHP (California Resources Agency 1997).



The resource agency notifications will be coordinated with the Corps, RWQCB, and the DFG throughout processing to ensure that any potential issues are made known to IRWD and the project team and resolved at the earliest possible opportunity.

ICF has in-house water quality specialists that can monitor water quality according to regulatory agency requirements. ICF is currently conducting surface water quality monitoring at a mitigation site, and has recently conducted water quality monitoring at a lake to determine the cause of an odor. ICF can prepare technical memorandums summarizing the data analysis and provide any recommended actions, including any recommended water quality device(s), specifications, and a schedule for implementation of the recommended plan of action. ICF also has the in-house capability to conduct sediment sampling and prepare a report that summarizes the sediment sampling activities. The report would include a narrative of field activities and summary of laboratory results, as well as sample locations depicted on figures.

Consultation with the USFWS regarding federal listed endangered or threatened species is required if the project may result in "take" of the species. Take is defined as harassment or harm to the species, which can include excessive construction noise during the breeding season for riparian birds, removal of occupied habitat, or actual injury to the individual. ICF has the expertise in-house to provide recommendations and mitigation measures to avoid, to the extent possible, direct and indirect impacts on federally listed species. Implementation of these measures can avoid the need to consult with the USFWS, or allow informal consultation, which

typically only involves a few weeks and does not require issuance of a permit.

In the event that the USFWS determines that the project will result in direct take of the species not covered by the Central/Coastal NCCP, formal Section 7 or Section 10 consultation would be required. The Section 7 process is quicker (Table 2) and would take place through the Corps if a 404 permit was required. If there is no federal agency involved in the project, a Section 10 permit would be required.

Formal Section 7 consultation entails preparation of a Biological Assessment (BA). The BA will include background information on the species, project impacts, and a mitigation plan to minimize project impacts; consultation with the USFWS and DFG; and receipt from USFWS of a Biological Opinion and an Incidental Take statement.

**TABLE 2: COMPARISON OF SECTIONS 7 AND 10 OF THE FEDERAL ENDANGERED SPECIES ACT**

	<b>Section 7</b>	<b>Section 10</b>
<b>Agency Involvement</b>	Federal involvement (action, permit, funding, land)	No federal involvement
<b>Trigger</b>	May affect federally listed species	Likely to result in take of federally listed species
<b>Species</b>	Federally listed Wildlife, plants, and mapped critical habitat	Wildlife only; in practice the USFWS also issues permits for plants within a HCP
<b>Decision Document</b>	Biological Opinion (BO)	Section 10(a)(1)(B) permit issuance
<b>Time limits</b>	135 days from BA to BO	Processing time guidelines
<b>NEPA Compliance</b>	EA or EIS is federal lead agency's document (public review)	EA or EIS prepared by applicant for USFWS/NOAA Fisheries Service (public review)
<b>Duration and Changes</b>	Consultation may be reopened if project changes	Permit is set at time of issuance (some as long as 100 years)

### Mitigation Monitoring and Reporting

ICF understands that IRWD will be needing biological, noise, and cultural resource monitoring services for both existing and future projects. The specific monitoring



Page 66

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services provided would be dictated by the mitigation measures set forth by project specific CEQA/ NEPA documents or regulatory permits, and will vary widely depending on the type of project and resources involved. Examples of typical monitoring activities provided by ICF are described below.

**Biological Resource Construction Monitoring.** ICF provides biological monitoring services. These services include the following tasks that are required by the 404, 1602, 401 permits and Section 7 Biological Opinion. In accordance with the conditions of the permits, the monitoring activities include review, oversight, monitor, and/or inspect:

1. Grading and site plans
2. Installation of fencing that demarcates construction work and buffer areas
3. All grading, excavation, and ground disturbance activities in Waters of the U.S. and waters of the State and associated buffer zones.

**Long-Term Biological Resource Monitoring.** ICF also provides long-term biological monitoring services. Example tasks include:

Task for Regular Mitigation Monitoring

The ICF revegetation specialist will conduct regular biological monitoring of the mitigation areas for five years. The biological monitor will assess the mitigation sites for general plant health, any signs of disturbance or encroachment, and any conditions that need to be addressed by the maintenance contractor. Any significant issue or contingency that arises within the mitigation areas will be reported in writing to IRWD; this report will include a plan for remediation with an implementation and monitoring schedule.

Task for Annual Vegetation Monitoring

Some mitigation and permits including the Streambed Alteration Agreements (SAA) issued by DFG require that onsite and offsite mitigation sites be subject to an annual monitoring effort. The annual monitoring will include vegetation monitoring conducted

along transects or quadrants, as appropriate to the habitat type, notes regarding hydrological conditions, animal species observed or detected, integrity of fencing/signage and other general conditions, corrective measures that may be appropriate to ensure relevant success criteria, and photos and photo locations.

**Cultural Resource Monitoring.** ICF provides archaeological and paleontological monitoring services. Typical monitoring activities include the monitoring archeologist/paleontologist review, oversee, monitor and/or inspect:

1. All project ground disturbance areas.
2. Installation of fencing that demarcates construction work and buffer areas.
3. All grading, excavation, and ground disturbance in Waters of the U.S. and associated buffer zones.
4. All aspects of projects that pertain to aquatic resource protection.
5. Ensure activities that may affect historic properties, archaeological resources, and/or paleontological resources occur in compliance with all federal, state, and local regulations.
6. Immediately suspend all work in an area(s) where cultural resources are discovered. Work will not resume until the appropriate agencies and actions are taken.

**Construction Noise Monitoring.** ICF provides construction noise monitoring services for project areas that are adjacent to sensitive noise receptors. As part of construction noise monitoring activities ICF would identify relevant noise regulations and planning standards and determine significance thresholds. ICF would then document the noise conditions in the project vicinity by conducting short-term noise measurements (10-15 minutes in duration) and long-term noise measurements (24 hour), depending upon the needs of the project. The noise measurements will be conducted at predetermined points identified as potentially sensitive noise receivers.



## TEAM

In the 44 years since our founding in 1969 our firm has grown from original core services in environmental impact assessment, natural resource planning, and biological and water resource studies to also encompass air quality, cultural resources, greenhouse gas emissions, habitat restoration, landscape architecture, land use planning, noise, regulatory compliance, mitigation monitoring, public outreach, and other disciplines.

ICF has an Irvine office location that supports a variety of public agencies in Orange County. We have provided environmental compliance services for IRWD and ten Orange County cities, including municipalities within IRWD's service area, such as the Cities of Irvine, Lake Forest, Orange, and the County.

ICF is located less than 2.5 miles from IRWD's office.

As such, our local Irvine staff has earned an excellent reputation as the local environmental experts. We look forward to the opportunity to continue providing the same excellent service to IRWD that we have provided on past projects.

As an on-call consultant for IRWD, we are prepared to bring our knowledge and experience with the state, local, and federal environmental framework to support IRWD's existing and upcoming project activities.

We offer immediate access to our Project Manager Lesley Hill, and more than 100 technical staff that can rapidly address CEQA/NEPA issues of any size

### Agency Coordination

Lesley Hill maintains long-standing relationships with the Corps, the USFWS, the DFG, and the RWQCB as a result of her work on public works projects in this region. Many of these agency staff have recognized Lesley's strengths as a project manager and have enjoyed working with her. For example, Erin Wilson from DFG comments that "Lesley's strength is that she is

quick to identify permitting hurdles and experienced in resolving complex issues." These relationships can be instrumental when a project schedule or budget is critical. We understand the regulatory hurdles you face and we know how to implement the process to achieve the timely results desired. Our extensive experience and knowledge of CEQA and NEPA is an important benefit we bring to IRWD, but we are also able to leverage our long-standing working relationships with agencies and their representatives, including the DFG, UCACE, USFWS, Federal Endangered Species Act (ESA), California ESA, and RWQCB. We also have a working knowledge of the Nature Reserve of Orange County and the NCCP. Since we have strong capabilities in providing regulatory permitting services through these various agencies, we are submitting a separate proposal for environmental services related to permitting.

### ICF Project Team for this Contract

We recognize the importance of having an experienced and knowledgeable team that will be available on short notice to address task orders. In this respect, we have staffed the ICF team with local managers and technical specialists. A large majority of our team is based in our Irvine office.

The ICF team will be led by Lesley Hill, our Project Manager based in Irvine. Brief summaries of Lesley's qualifications and other members of the core management team are provided below. The **Organizational Chart** provided in this section (**Figure 1**) illustrates the relationships among proposed personnel and support staff. **Resumes** of the entire project team are provided in **Appendix A**.

Our team is committed to this on-call assignment and will be available throughout the duration of the proposed contract. The team's availability is shown in the **Percent Availability Schedule (Table 3)** of this proposal. We understand that key personnel, as defined by IRWD, assigned to the project shall not be reassigned without prior written approval from IRWD.

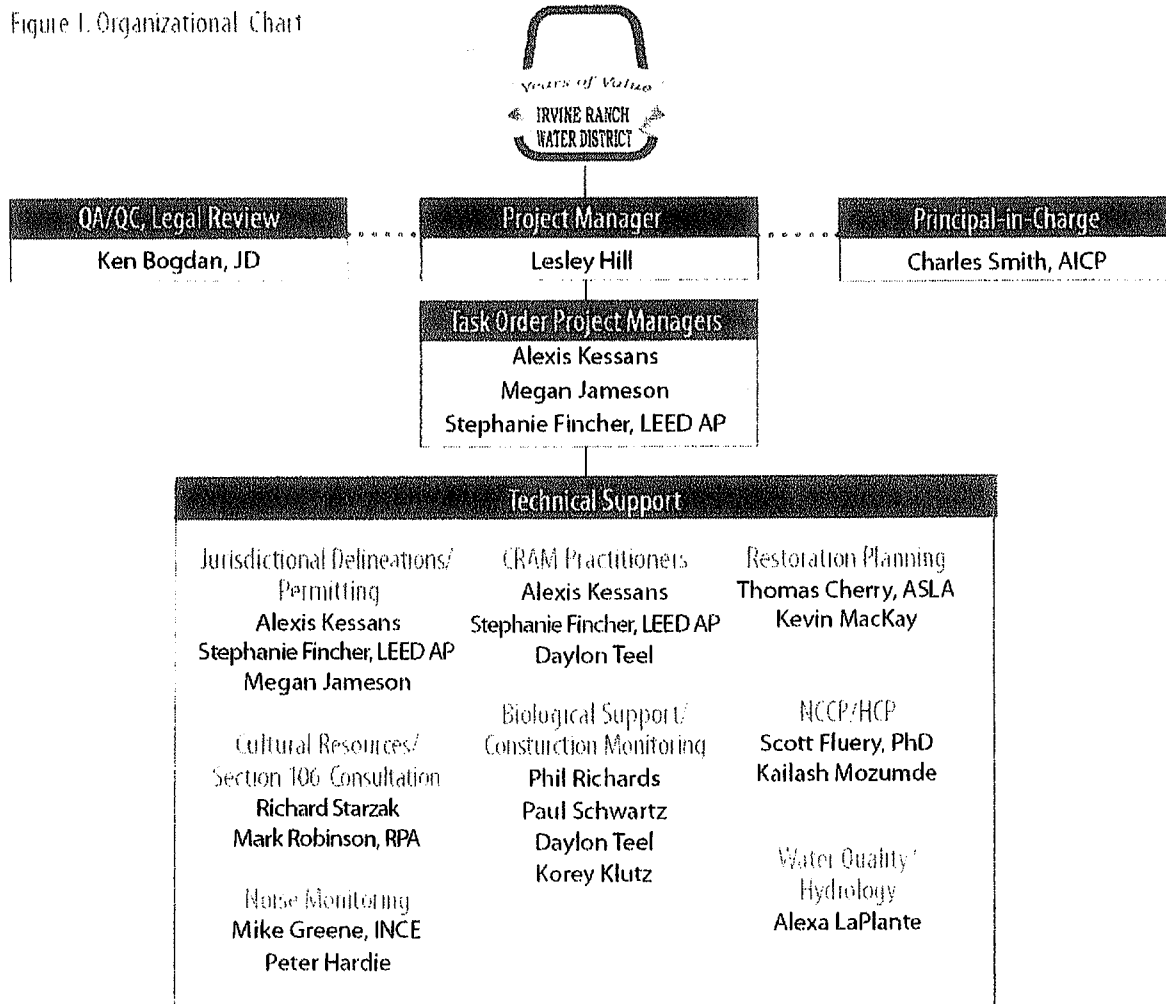


**Lesley Hill—Project Manager:**

Lesley has more than a decade of experience performing and supervising others in construction and mitigation monitoring on environmentally sensitive projects. She has performed technical reviews of local city agency environmental documents in relation to regulatory permits and natural science assessments. Lesley has substantial knowledge of State and Federal laws and agencies relating to the regulation of aquatic and terrestrial resources; including CEQA, NEPA, Section 7 of the ESA, Section 401 of the CWA, Section

404 of the CWA, and the California Coastal Act. With expertise in regulatory permitting, she specializes in obtaining 401 permits (certification waivers from the Water Quality Control Boards), 404 permits (nationwide permits, individual permits, and regional general permits from Corps), as well as the 1600 permits (Lake and Streambed Alteration Agreements from the DFG). Having worked on projects throughout Orange County, Lesley has extensive experience with the local agencies and stakeholders. She is based out of our Irvine office and readily available to respond to your needs.

Figure 1. Organizational Chart



**Alexis Kessans—Task Order Manager:**

Alexis is based in our Irvine office and has more than six years experience as a regulatory specialist managing the preparation of environmental compliance documents and permits for projects throughout Southern California. Alexis specializes in managing teams of field delineators, biologists, and monitors. She brings expertise in Sections 401 and 404 of the Clean Water Act; Section 10 of the Rivers and Harbors Act; Section 1600 of the California Fish and Game Code; state and federal Endangered Species Acts; jurisdictional delineations; functional assessments; and mitigation implementation and monitoring. Alexis is also adept at acting as liaison between client and regulatory agencies, including facilitating meetings. She has performed multiple wetland delineations and functional assessments (including CRAM experience), and prepared associated technical reports.

Alexis is available as a key point of contact for your staff. She will provide guidance for the project team throughout the course of assigned tasks, oversee budget and schedule adherence, and ensure all products delivered to you are of the highest quality.

**Megan Jameson—Task Order Manager:**

Megan Jameson is an Irvine-based project manager and regulatory specialist with more than six years of experience preparing regulatory compliance documents under the CWA Sections 404 and 401, California State Porter-Cologne Act, and California Fish & Game Code Sections 1600–1616. Megan has managed many restoration and mitigation projects, overseeing required maintenance, surveys and reporting and ensuring compliance with permit requirements from the various regulatory agencies. Megan is very practiced in conducting field wetland delineations as well as assisting in biological surveys and assessments, plus writing and reviewing regulatory permit applications,

jurisdictional delineation reports, and mitigation and monitoring plans.

Megan will serve as a key point of contact for your staff. She will provide guidance for the project team throughout the course of assigned tasks, oversee budget and schedule adherence, and ensure all products delivered to you are of the highest quality.

**Stephanie Fincher, LEED AP—Task Order Manager:**

Stephanie Fincher, LEED AP is based in our Irvine office and provides regulatory services, monitoring services, authors sections for CEQA/NEPA documents, and performs biological studies. Stephanie specializes in wetland delineations (routine and comprehensive), and regulatory permitting under Sections 401 and 404 of the CWA and Section 1602 of the California Fish and Game Code.

Stephanie has written draft Mitigation Monitoring and Reporting Programs, Records of Decision (NEPA), Public Notices (English and Spanish), and has prepared presentations to summarize CEQA findings for presentations to planning commissions and the public.

Stephanie is experienced with mitigation site installation, monitoring, and traditional construction monitoring to protect waters and biological resources. Stephanie's Orange County work includes Wilkinson Bridge Regulatory Compliance and Biology Services project, Laguna Canyon Wetlands Mitigation Project, San Diego Creek Operations and Maintenance Manual Program EIR, and Ronald W. Caspers Wilderness Park FEMA Flood Repair project.

Stephanie is available as a key point of contact for your staff. She will provide guidance for the project team throughout the course of assigned tasks, oversee budget and schedule adherence, and ensure all products delivered to you are of the highest quality.



**TABLE 3. PERCENT AVAILABILITY SCHEDULE**

Team Member, Role	% Available
Ken Bogdan, QA/QC, Legal Review	5%
Lesley Hill, Program Manager	35%
Charles Smith, AICP, Principal-In-Charge	20%
Alexis Kessans, Task Order Project Manager and Jurisdictional Delineations/Permitting and CRAM Practioner	35%
Megan Jameson, Task Order Project Manager and Jurisdictional Delineations/Permitting	30%
Stephanie Fincher, LEED AP, Task Order Project Manager and Jurisdictional Delineations/Permitting and CRAM Practioner	20%
Richard Starzak, Cultural Resources/Section 106	10%
Mark Robinson, RPA, Cultural Resources/Section 106	10%
Mike Greene, INCE, Noise Monitoring	20%
Peter Hardie, Noise Monitoring	20%
Phil Richards, Biological Support, Construction Monitoring	20%
Paul Schwartz, Biological Support, Construction Monitoring	25%
Daylon Teel, Biological Support, Construction Monitoring	20%
Korey Klutz, Biological Support, Construction Monitoring	20%
Thomas Cherry, ASLA, Restoration Planning	10%
Kevine MacKay, Restoration Planning	10%
Scott Fluery, PhD, NCCP/HCP	16%
Kailash Mozumde, NCCP/HCP	10%
Alexa LaPlante, Water Quality/Hydrology	10%

**Relevant Project Experience**

Below are examples of our team’s project experience that demonstrate our ability to provide services successfully for IRWD.

**CEQA Services and Regulatory Permitting On-Call Contract – Orange County Public Works.**

ICF has proven experience providing regulatory permitting and monitoring services under an on-call contract with OCPW. We have received and/or completed more than 20 task orders, including the following:

- **Wilkinson Bridge Regulatory Compliance**. ICF was selected by OCPW to provide on-call CEQA and regulatory permitting

consulting services. We have completed more than 19 task orders to date, including the San Diego Creek Operations & Maintenance Manual EIR and Permitting. The EIR is being prepared to address long-term maintenance activities within the reach of San Diego Creek from Jamboree Road to the Interstate 405 freeway. Major environmental issues include biological resources, hydrology and water quality, cultural resources, aesthetics, traffic, noise, and air quality. Following the anticipated adoption of the CEQA document, ICF is preparing permit applications for 401 Water Quality Certification from RWQCB, 404 authorization from Corps, Streambed Alteration Agreement from the DFG, and Coastal Development Permit from the California Coastal Commission. The permit process is expected to include Section 7 consultation with the U.S. Fish and Wildlife Service (USFWS) for potential impacts to the federally endangered least Bell’s vireo. ICF will prepare a Biological Assessment in support of a Biological Opinion from the USFWS and an HMMP covering on and offsite mitigation.

- **Wilkinson Bridge Regulatory Compliance**. This proposed project involved maintenance activities within the Ronald W. Caspers Wilderness Park to remediate flood damage that occurred during heavy storm events in December 2004. ICF’s scope of work included preparation of a CEQA MND, a wetland delineation field survey, a wetland delineation report, focused surveys for federally endangered arroyo toad, and regulatory permit application packages. ICF also coordinated with the USFWS for consistency issues related to the Orange County Southern Regional HCP and potential impacts to arroyo toad and associated critical habitat.



and Biology Services. The Wilkinson Bridge Repairs Project includes the proposed restoration of Harding Creek and the stabilization of Wilkinson Bridge located in the community of Modjeska Canyon in the County of Orange. Harding Creek, at Wilkinson Bridge, was severely eroded during high flood events over the past several rainy seasons and especially during the record high 2004/2005 storm season. In order to avoid further damage and potential slope failure or undermining of roads and trails, ICF was hired to perform a jurisdictional delineation, biological surveys of the project site and to prepare an IS and MND for the proposed project. ICF also assisted OCPW in seeking regulatory permits for the proposed work.

■

ICF monitored a construction site along San Juan Creek to confirm that there were no impacts to the endangered steelhead trout. The monitoring occurred along an approximately 1,000-foot stretch of the creek. Monitoring was provided for approximately six to eight months. Noise levels below the water surface were monitored to ensure that there were no impacts to the steelhead trout.

■

ICF provided biological and archeological monitoring services for the construction and installation of more than 13 acres of wetland and riparian mitigation associated with the Laguna Canyon Road project. Services included coordination with the resource agencies to amend existing monitoring and construction requirements, weekly focused surveys for least Bell's vireo (federal endangered species list) and southwestern willow flycatcher, pre-construction surveys for nesting birds in compliance with the Migratory Bird Treaty Act (MBTA), biological and

archeological monitoring of mitigation site grading and planting and annual monitoring of mitigation site success. To assist the County in meeting the mitigation construction and planting schedule, ICF was able to assemble a monitoring team within 48 hours of the notice to proceed (NTP).

**Carryover Storage and San Vicente Dam Raise Project – San Diego County Water Authority.** One of the reasons ICF was selected to provide regulatory agency coordination and permitting for the Carryover Storage (CSP) and San Vicente Dam Raise EIR/EIS, a project that would raise the dam by 63 feet above increased storage capacity, was our excellent relationships with regulatory agencies.

On this project, our regulatory compliance staff, provided liaison and coordination assistance with the EIS federal lead agency, Corps. We assisted Corps with the preparation of all NEPA notices, review of technical reports, and expedition of approvals.

"Your staff were also a big part of the success in permitting the CSP. I'm passing along my thanks to [the team] in their efforts through application preparations, writing the BA, preparing the draft ROD and draft 404, along with numerous information requests and revisions. Really, a great job from the whole team."

Kelley Gage  
San Diego County Water Authority

Additionally, our permitting services on the project included preparing the Permit Strategy Report, 404(b)(1) Alternatives Analysis, permit applications (Corps, State Water Resources Control Board [SWRCB], USFWS, SHPO, and DFG), and acting as a liaison between the San Diego County Water Authority and the Corps project manager to ensure that the EIS was reviewed and approved within timeframes that meet the overall project schedule. All permits have been issued for the project and consultation with USFWS and SHPO is complete.



***On-Call Environmental Planning Services – Metropolitan Water District of Southern California*** Since the 1990s, ICF has provided environmental services to this water district in support of various projects, involving dams, reservoirs, and pipelines. We have conducted biological studies such as arroyo toad field surveys, performed an EA to determine if soil boring and sampling sites along nine water conveyance pipelines would affect sensitive biological resources, and provided biological surveys on the nature of plant succession in the upper Santa Ana River floodplain below the Seven Oaks Dam construction site. ICF also created a CEQA manual for Metropolitan and has provided CEQA-related services including the IS/MND for the Live Oak Reservoir. ICF worked closely with Metropolitan to prepare quality and thorough CEQA documentation to evaluate surface repairs and upgrades for the 25-year old reservoir. As part of our role in writing the IS/MND, ICF analyzed hydrological resources, biological resources, noise, and environmental hazards associated with this water project.

***Walteria Lake Dredging Project – Los Angeles County Department of Public Works.*** This project included preparing and processing regulatory permit applications and preparing jurisdictional delineation and biological resources reports. The project involved dredging the lake bottoms to eliminate an odor. ICF also analyzed the biological and hydrological resources associated with the project.

***NCCP/HCP/MSAA and EIS/EIR for Multiple Projects – Orange County Transportation Authority (OCTA).*** As part of the Measure M (M2) program, \$243.5 million will be allocated to mitigate the environmental impacts of freeway improvements under the OCTA Mitigation and Resource Protection Program (MRPP).

To help OCTA realize its goal to engage in a comprehensive mitigation approach and ensure streamlined M2 project approvals, ICF is currently developing the M2 Natural Community Conservation Plan /Habitat Conservation Plan (NCCP/HCP), Master Streambed Alteration

Agreement (MSAA), Master Individual Permit (Master IP) and CEQA/NEPA documentation (EIR/EIS) in coordination with OCTA, California Department of Transportation (Caltrans), U.S. Fish and Wildlife Service (USFWS), and DFG. The NCCP/HCP is intended to provide an effective framework to protect and enhance natural resources Orange County, while improving and streamlining the environmental permitting process for impacts of covered activities on endangered species and natural habitats. The plans will allow the OCTA and Caltrans (collectively, the Permittees) to control permitting for activities and projects in Orange County that they perform or approve while providing comprehensive species, wetlands, and ecosystem conservation and contributing to the recovery of endangered species in southern California. It is also designed to help to avoid project-by-project permitting that is generally costly and time consuming for applicants and often results in uncoordinated and biologically ineffective mitigation.

ICF is responsible for ensuring M2 project compliance with the Federal and State Endangered Species Acts (FESA and CESA), Natural Communities Planning Act (NCCPA), Section 404 of the Clean Water Act (CWA), Section 1601 of the DFG Code, Section 401 of the CWA, California Environmental Quality Act (CEQA), and National Environmental Policy Act (NEPA). By establishing and maintaining high QA/QC standards for the various plans based on individual expertise and working closely with our lead technical editor, this project is currently on schedule. To date, ICF has completed all baseline surveys and data collection, development of species habitat distribution models, mapping of land ownership and land management status, production of the Biological Data Inventory and Baseline Report, and convening of the Independent Science Advisors Workshop.

## REFERENCES

### Caltrans District

Sylvia Vega, Deputy District Director  
 Caltrans, District 12  
 3347 Michelson Drive, Suite 100  
 Irvine, CA 92612  
 949-724-2018 / sylvia\_vega@dot.ca.gov

### City of Murrieta

Bill Woolsey, P.E.  
 City of Murrieta  
 1 Town Center  
 24601 Jefferson Avenue  
 Murrieta, CA 92562  
 951-304-2489 / wwoolsey@murrieta.org

## SCHEDULE

ICF will work with IRWD to develop a mutually agreeable schedule for each task order. The schedule will include project deliverables, major milestones, and duration of task activities. We will revisit the schedule on a bi-weekly basis with IRWD's project manager to ensure we are on track with project deliverables. This will allow us to identify any potential issues early on that may have schedule implications, and adjust accordingly. Some sample schedules have been included with the attached **Sample Scopes of Work** in **Appendix B**.

## BUDGET

The budget for each task order can vary widely depending on the magnitude of the project and the extent of the scope of work. We have attached previously approved sample proposals for past IRWD projects that show a breakdown of labor hours, direct costs, and rates for ICF staff in Appendix B. IRWD can expect similarly priced task orders for upcoming projects under the On-Call Contract.

ICF proposes the rate structure shown in **Table 4: ICF Fee Schedule** of this proposal for the proposed On-Call Contract. These rates represent a significant reduction from ICF's standard billing rates (between 10 and 15% for most categories) to prove our willingness to be

cost competitive, and to demonstrate our strong desire to continue working with IRWD.

ICF has demonstrated that we can be cost competitive on assigned task orders under our current IRWD On-Call Contract. Where IRWD has recommended changes to our proposed scope of work, or expressed concern over the cost, ICF has worked with IRWD to modify our scope of work and negotiate on cost to the satisfaction of IRWD.

**TABLE 4: ICF FEE SCHEDULE**  
 Effective January 1, 2011

Labor Classifications	Per Hour
Intern	\$50
Administrative Technician	\$60
Technician	\$65
Assistant Consultant	\$85
Associate Consultant I	\$95
Associate Consultant II	\$105
Associate Consultant III	\$120
Senior Consultant I	\$130
Senior Consultant II	\$145
Senior Consultant III	\$165
Managing Consultant	\$185
Technical Director	\$195
Senior Technical Analyst	\$200
Project Director	\$210

### Other Direct Expenses

Copy Center Services:	\$0.16 to
- Color printing (8.5" x 11" --11" x 17")	\$0.32/page
- Black & White printing (8.5" x 11" --11" x 17")	\$0.08 to
	\$0.16/page
Automobile mileage at current IRS rate	\$0.50/mile
Laptop computer (field projects only)	\$10.00/day
A general and administrative charge of 10% will be applied to all other direct costs, inclusive of subcontractor charges.	
Per diem is charged at \$175.00/day. A lodging surcharge will apply in high rate areas.	

### Prompt Payment

A prompt payment discount of 1% may be taken if payment is made within 10 business days of receipt of invoice.

Rates are subject to revision effective January 1 of each year.



## JOINT VENTURE

No joint venture agreement is proposed for this project.

## CONFLICT OF INTEREST

No personal or organization conflicts of interest prohibited by law exist.

## INSURANCE

ICF's existing insurance meets with IRWDs requirements as shown in the RFP. A copy of our insurance certificate has been provided in **Appendix C**.

## CONTRACT


ICF has reviewed the sample agreement provided by IRWD, and we accept the terms and conditions with one exception as is shown in blue-colored text below.

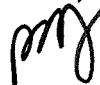
### **X. Insurance and Indemnification.**

"CONSULTANT shall maintain insurance as will protect IRWD from any and all claims under the Worker's Compensation laws and from general liability claims for bodily injury, and/or death, and/or property damage which may arise from negligent acts, omissions, or willful misconduct in the performance by CONSULTANT employees, agents, successors, and assigns while performing the services covered by this Agreement.. CONSULTANT shall provide evidence of insurance to IRWD, including thirty (30) day notice by the insurance carrier. Said public liability and property damage insurance shall be in a minimum amount of one million dollars (\$1,000,000)."

June 27, 2011

Prepared and

Submitted by: B. Beeman/D. Pedersen 

Approved by: Paul Jones 

## ACTION CALENDAR

### PROJECT GREENFILL COOPERATIVE AGREEMENT

#### SUMMARY:

In an effort to promote sustainability, reduce trash and plastics in the waste stream and promote water quality, staff collaborated with Orange County Parks (County) to develop Project GreenFill, a plan to install water bottle filling stations in appropriate community locations throughout the Irvine Ranch Water District (IRWD) service area. These water bottle filling stations are based on a successful water bottle filling station project in Zion National Park that received the 2009 United States Department of the Interior Environmental Achievement Award. It is estimated that IRWD costs associated with this initial partnership for the two water bottle filling stations at Mason Park will be approximately \$15,000 and will be funded with undesignated over-allocation funding. Staff recommends that the Board approve a cooperative agreement with the County of Orange for Project GreenFill.

#### BACKGROUND:

At the October 2010 Water Resources Policy and Communications Committee meeting, staff presented an overview of the Zion National Park water bottle filling stations that have been installed throughout the park in an effort to promote sustainability, reduce trash and plastic in the waste stream and promote water quality. Americans use about 50 billion plastic water bottles yearly, 167 for each person and approximately 30 billion ends up in landfills. After installation of the water bottle filling stations, Zion park staff estimates that they reduced the number of plastic water bottles in the waste stream by approximately 60,000 bottles, or equivalent of 5,000 pounds of plastic, simply by encouraging park visitors to use the water filling stations. They also used this opportunity to stop selling plastic bottles at park concessions and to promote water quality. As a result, the water bottle filling stations received national recognition in 2009, with the United States Department of the Interior Environmental Achievement Award.

#### Cooperative Agreement:

After discussion, the Committee directed staff to work with the County of Orange to develop a partnership to install water bottle filling stations in appropriate locations throughout the IRWD service area. Staff worked with County staff and developed a cooperative agreement, which is attached as Exhibit "A", whereas IRWD will assist with developing the graphics and establishing water service to the filling stations and the County will be responsible for construction and installation of the water bottle filling stations, site maintenance and associated water service costs at locations mutually agreed-upon. The County of Orange approved the cooperative agreement on May 24, 2011.

Graphic Design Panel:

An example of the proposed graphic design panel for Project GreenFill is included as Exhibit "B". The interpretive panel will include logos for IRWD, Orange County Parks and the local municipality where the station is located (i.e. City of Irvine).

Locations for Water Bottle Filling Stations:

The first two water bottle filling station locations are proposed within William R. Mason Regional Park as shown on the location map included as Exhibit "C". The sites were selected in collaboration with Orange County Parks staff and intended to serve high traffic areas of the park. Location No. 1 will be at an existing restroom facility that is undergoing renovation on the west side of the pond as shown in Exhibit "D". The filling station will be attached to the north wall of the restroom building and supplied with potable water through the facility's existing plumbing system. The facility is served from the park's on-site potable water system that is supplied through an existing 2-inch metered service from the IRWD 12-inch Zone 1 water main in University Drive.

Location No. 2 will be within the wilderness area of the park that is east of Culver Drive, near IRWD's OC-39 interconnection with Metropolitan Water District of Southern California. The station will be placed within an island formed by the junction of three existing trails as shown in Exhibit "E". Currently, there are no drinking fountains within this area of the park, and due to the high foot and bicycle traffic through the area, the station is expected to receive frequent usage. A new water service will be tapped by IRWD staff into the IRWD 12-inch Zone 1 water main immediately adjacent to the site as shown in Exhibit "E". The estimated distance from the water main to the station is 10 feet. The service will supply water to the filling station through a 5/8-inch meter and the water usage will be billed to Orange County Parks in accordance with the terms of the cooperative agreement.

Once the filling stations within Mason Park are completed and operational, staff will promote this new community resource via an outreach plan utilizing traditional and internet capabilities along with a groundbreaking ceremony with the County of Orange. The City of Irvine staff will work with the Orange County Parks to refine a list of proposed, future stations at other park facilities within IRWD's service area. Additionally, a filling station will be proposed for installation at the San Joaquin Marsh and other appropriate IRWD facilities.

Water Quality Considerations:

Staff contacted representatives of the California Department of Public Health and Orange County Health Care Agency to identify any water quality concerns that may be associated with the proposed water bottle filling stations. Both agency representatives responded that the filling stations would not present any special water quality concerns and should be treated as drinking fountains. The filling stations were sited at locations that would receive water usage on a daily basis, which minimizes concerns with the potential for stagnant water.

FISCAL IMPACTS:

IRWD costs of approximately \$15,000 for Project GreenFill locations will be funded using undesignated over-allocation use funding revenues.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on June 21, 2011.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A COOPERATIVE AGREEMENT WITH THE COUNTY OF ORANGE FOR MUTUALLY AGREED-UPON LOCATIONS FOR PROJECT GREENFILL, A PLAN TO INSTALL WATER BOTTLE FILLING STATIONS THROUGHOUT IRWD'S SERVICE AREA.

LIST OF EXHIBITS:

- Exhibit "A" – Project GreenFill Cooperative Agreement
- Exhibit "B" – Example of Project GreenFill Graphic Display Board
- Exhibit "C" – Location Map for Proposed Water Bottle Filling Stations
- Exhibit "D" – Photograph and Schematic Diagram for Location No. 1
- Exhibit "E" – Photograph and Schematic Diagram for Location No. 2





# EXHIBIT "A"

Agreement No. OCP11-008  
Operation GreenFill

## COOPERATIVE AGREEMENT REGARDING OPERATION GREENFILL

THIS COOPERATIVE AGREEMENT REGARDING OPERATION GREENFILL ("**Agreement**"), dated this \_\_\_\_ day of \_\_\_\_\_, 2011, is made by and between the COUNTY OF ORANGE, a political subdivision of the State of California, (hereinafter referred to as "**COUNTY**") and the IRVINE RANCH WATER DISTRICT, a California water district, (hereinafter referred to as "**IRWD**"). IRWD and COUNTY are sometimes referred to herein individually as a "**Party**" or collectively as the "**Parties**."

### RECITALS

**WHEREAS**, COUNTY is the owner and operator of certain regional parks located within the service area of IRWD; and

**WHEREAS**, IRWD is interested in creating a pilot program ("**Operation GreenFill**") for the purpose of encouraging the use of reusable water bottles in order to promote sustainability, reduce waste and build public awareness about environmental issues; and

**WHEREAS**, the COUNTY desires to partner with IRWD in support of Operation GreenFill and to develop water bottle filling stations in COUNTY regional parks.

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

#### 1. TERM

The term of this Agreement shall commence upon the date first written above and shall continue until terminated as provided for in Paragraph 12 (TERMINATION).

#### 2. DEFINITIONS

"**Director of OC Parks**" means the Director, Orange County Parks, OC Community Resources, County of Orange, or designee, or upon written notice, such other person or entity as shall be designated by the Board of Supervisors.

"**OC Parks**" means Orange County Parks, the administrative unit responsible for management and operation of all COUNTY regional parks.

#### 3. IRWD RESPONSIBILITIES

IRWD agrees to:

- A. Assist COUNTY in the design of the water bottle filling stations in COUNTY regional parks.

- B. Install water lines to deliver a supply of potable water to the points of connection for the water bottle filling stations in COUNTY regional parks at no cost to the COUNTY. If construction is necessary, upon completion, IRWD will obtain a no-fee OC Parks Permit and return the construction area to its original condition. New water lines leading up to and including the water meter, if required, shall be owned by IRWD and not subject to Paragraph 6 (OWNERSHIP OF IMPROVEMENTS).
- C. Be responsible for securing permits required for installation of all water lines, including a no-fee OC Parks Permit if necessary.

#### **4. COUNTY RESPONSIBILITIES**

COUNTY agrees to:

- A. Provide two (2) initial locations for water bottle filling stations in COUNTY regional parks. The initial parks for consideration will be Mason Regional Park and Peters Canyon Regional Park. Provide such additional locations for water bottle filling stations in COUNTY regional parks as COUNTY, in consultation with IRWD, shall determine to be feasible. The specific location within each park, as well as, all future parks and locations shall be as designated by the Director of OC Parks.
- B. Design the water bottle filling stations. All stations will include both IRWD and OC Park logos.
- C. Provide a no-fee OC Parks Permit to IRWD for installation of water lines to station locations, where necessary.
- D. Be responsible for securing permits required for installation of the stations.
- E. Maintain the water bottle filling stations.
- F. Pay IRWD normal water service charges for water supplied to the stations.

#### **5. MUTUAL RESPONSIBILITIES**

COUNTY and IRWD mutually agree to:

- A. Collaborate in limited public affairs programs related to increasing environmental awareness.
- B. Include acknowledgment of COUNTY and IRWD in all distribution of public information, notices and news releases for which the subject is Operation GreenFill stations in COUNTY regional parks.

#### **6. OWNERSHIP OF IMPROVEMENTS**

Upon completion, all improvements installed or constructed by IRWD under this Agreement in COUNTY regional parks must be free and clear of liens, claims, or liability for labor or material and shall become the property of the COUNTY.

**7. INSURANCE**

Prior to the provision of services under this Agreement, IRWD agrees to purchase all required insurance at IRWD's expense and to deposit with COUNTY Certificates of Insurance, including all endorsements required herein, necessary to satisfy the COUNTY that the insurance provisions of this Agreement have been complied with and to keep such insurance coverage and the certificates therefore on deposit with the COUNTY during the entire term of this Agreement. In addition, all subcontractors performing work on behalf of IRWD pursuant to this Agreement shall obtain insurance subject to the same terms and conditions as set forth herein for IRWD.

All self-insured retentions (SIRs) and deductibles shall be clearly stated on the Certificate of Insurance. If no SIRs or deductibles apply, indicate this on the Certificate of Insurance with a 0 by the appropriate line of coverage. Any self-insured retention (SIR) or deductible in an amount in excess of \$25,000 (\$5,000 for automobile liability), shall specifically be approved by the County Executive Office (CEO)/Office of Risk Management.

If the IRWD fails to maintain insurance acceptable to the COUNTY for the full term of this Agreement, the COUNTY may terminate this Agreement.

Qualified Insurer

Minimum insurance company ratings as determined by the most current edition of the Best's Key Rating Guide/Property-Casualty/United States or ambest.com shall be A- (Secure A.M. Best's Rating) and VIII (Financial Size Category).

The policy or policies of insurance must be issued by an insurer licensed to do business in the state of California (California Admitted Carrier). If the carrier is a non-admitted carrier in the state of California and does not meet or exceed an A.M. Best rating of A-/VIII, CEO/Office of Risk Management retains the right to approve or reject carrier after a review of the company's performance and financial ratings. If the non-admitted carrier meets or exceeds the minimum A.M. Best rating of A-/VIII, the agency can accept the insurance.

The policy or policies of insurance maintained by the IRWD shall provide the minimum limits and coverage as set forth below:

<u>COVERAGES</u>	<u>MINIMUM LIMITS</u>
<u>Commercial General Liability</u> with broad form property damage and contractual liability	\$1,000,000 combined single limit per occurrence; \$2,000,000 aggregate contractual liability
<u>Automotive Liability</u> including coverage for owned, non-owned and hired vehicles	\$1,000,000 combined single limit per occurrence
<u>Worker's Compensation</u>	Statutory
<u>Employers' Liability Insurance</u>	\$1,000,000 per occurrence

IRWD may elect to self insure for the insurance coverages required by this Agreement.

### Required Coverage Forms

The Commercial General Liability coverage shall be written on Insurance Services Office (ISO) form CG 00 01, or a substitute form providing liability coverage at least as broad.

The Business Auto Liability coverage shall be written on ISO form CA 00 01, CA 00 05, CA 0012, CA 00 20, or a substitute form providing coverage at least as broad.

### Required Endorsements

The Commercial General Liability policy shall contain the following endorsements, which shall accompany the Certificate of insurance:

- 1) An Additional Insured endorsement using ISO form CG 2010 or CG 2033 or a form at least as broad naming the County of Orange, its elected and appointed officials, officers, employees, agents as Additional Insureds.
- 2) A primary non-contributing endorsement evidencing that the IRWD's insurance is primary and any insurance or self-insurance maintained by the County of Orange shall be excess and non-contributing.

All insurance policies required by this Agreement shall waive all rights of subrogation against the County of Orange and members of the Board of Supervisors, its elected and appointed officials, officers, agents and employees when acting within the scope of their appointment or employment.

The Workers' Compensation policy shall contain a waiver of subrogation endorsement waiving all rights of subrogation against the County of Orange, and members of the Board of Supervisors, its elected and appointed officials, officers, agents and employees.

The Commercial General Liability policy shall contain a severability of interests clause also known as a "separation of insureds" clause (standard in the ISO CG 0001 policy).

Insurance certificates and endorsements shall be forwarded to the County of Orange (OC Community Resources, Orange County Parks, 13042 Old Myford Road, Irvine, CA 92602)

COUNTY expressly retains the right to require IRWD to increase or decrease insurance of any of the above insurance types throughout the term of this Contract. Any increase or decrease in insurance will be as deemed by County of Orange Risk Manager as appropriate to adequately protect COUNTY.

COUNTY shall notify IRWD in writing of changes in the insurance requirements. If IRWD does not deposit copies of acceptable certificates of insurance and endorsements with COUNTY incorporating such changes within thirty days of receipt of such notice, this Contract may be in breach without further notice to IRWD, and COUNTY shall be entitled to all legal remedies.

The procuring of such required policy or policies of insurance shall not be construed to limit IRWD's liability hereunder nor to fulfill the indemnification provisions and requirements of this Contract, nor act in any way to reduce the policy coverage and limits available from the insurer.

## **8. HOLD HARMLESS**

Neither COUNTY nor any officer, agent or employee thereof shall be responsible for any damage or liability occurring by reason of anything done or omitted to be done by IRWD under or in connection with any work, authority or jurisdiction delegated to IRWD under this Agreement or in the exercise of the rights herein granted to IRWD. It is also understood that, pursuant to Government Code Section 895.4, IRWD shall fully indemnify, protect, defend and hold COUNTY, its officers, agents and employees, harmless from any liability imposed for injury (as defined by Government Code Section 810.8), including attorneys fees and costs, occurring by reason of anything done or omitted to be done by IRWD under or in connection with any work, authority or jurisdiction delegated to IRWD under this Agreement or in the exercise of the rights herein granted to IRWD.

Neither IRWD nor any officer, agent or employee thereof shall be responsible for any damage or liability occurring by reason of anything done or omitted to be done by COUNTY under or in connection with any work, authority or jurisdiction delegated to COUNTY under this Agreement or in the exercise of the rights herein granted to COUNTY. It is also understood that, pursuant to Government Code Section 895.4, COUNTY shall fully indemnify, protect, defend and hold IRWD, its officers, agents and employees, harmless from any liability imposed for injury (as defined by Government Code Section 810.8), including attorneys fees and costs, occurring by reason of anything done or omitted to be done by COUNTY under or in connection with any work, authority or jurisdiction delegated to COUNTY under this Agreement or in the exercise of the rights herein granted to COUNTY.

## **9. TIME OF ESSENCE**

Time is of the essence of this Agreement and each and every term and provision hereof.

## **10. AMENDMENTS**

This Agreement expresses all the understandings of the parties concerning all matters covered. No addition to or alteration of the terms of this Agreement shall be valid unless made in the form of a written amendment to this Agreement and formally approved by the Parties hereto.

## **11. SEVERABILITY**

If any term, provision, condition or covenant of this Agreement, or the application thereof, to any party or circumstances shall, to any extent, be held invalid or unenforceable, the remainder of this Agreement, or the application of such term, provision, condition or covenant to persons or circumstances other than those as to whom or which it is held invalid or unenforceable, shall not be affected thereby, and each term or provision of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

## **12. TERMINATION**

Either party may terminate this Agreement with one hundred and twenty (120) days notice to the other Party. Notice of termination shall be in writing and the date upon which such termination is effective. Notice shall be served as provided in Paragraph 20 (NOTICES) above.

### **13. FURTHER ASSURANCES**

Each Party agrees to cooperate with the other Party, at no additional cost to such Party, and to execute such additional instruments and documents as may be reasonably necessary or proper in order to carry out the provisions of this Agreement.

### **14. ATTORNEYS' FEES**

In any action or proceeding between the Parties arising out of or related to the terms of this Agreement, or in any way connected herewith, the Parties agree that attorney fees shall not be recoverable by the prevailing party.

### **15. AGREEMENT ORGANIZATION**

The various headings and numbers herein, the grouping of provisions of this Agreement into separate clauses and paragraphs, the organization hereof, are for the purpose of convenience only and shall not be considered otherwise.

### **16. SUCCESSORS AND ASSIGNS**

The provisions of this Agreement shall be binding on and inure to the benefit of the Parties hereto and their respective successors and assigns.

### **17. NO THIRD PARTY BENEFICIARIES**

No person or entity other than the parties to this Agreement shall be deemed to be a third party beneficiary hereof, and nothing in this Agreement, either express or implied, is intended to confer upon any person or entity, other than the Parties to this Agreement and their respective successors and assigns, any rights, remedies, obligations or liabilities under or by reason of this Agreement.

### **18. GOVERNING LAW AND VENUE**

This Agreement has been negotiated and executed in the state of California and shall be governed by and construed under the laws of the state of California. In the event of any legal action to enforce or interpret this Agreement, the sole and exclusive venue shall be a court of competent jurisdiction located in Orange County, California, and the Parties hereto agree to and do hereby submit to the jurisdiction of such court, notwithstanding Code of Civil Procedure Section 394.

### **19. AUTHORITY TO SIGN**

Each person signing this Agreement on behalf of a Party hereto represents and warrants to the other Parties that he/she has all requisite power and authority to execute and deliver this Agreement for such Party and that this Agreement, when so executed and delivered, will be a binding obligation of, and enforceable against, such party in accordance with its terms.

**20. NOTICES**

Any notice or other communication to be given one Party to the other hereunder shall be in writing and given by personal service, express mail, Federal Express or any similar form of airborne/overnight delivery service, or by United States certified mail, return receipt requested, addressed to the Party at its respective address as follows:

COUNTY: County of Orange  
OC Parks  
13042 Old Myford Road  
Irvine, California 92602-2304  
Attn: Director, OC Parks

IRWD: Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, CA 92619  
Attn: Director of Water Operations

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IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the date first written above.

**IRWD**

District Counsel

Irvine Ranch Water District

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

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

Dated \_\_\_\_\_

APPROVED AS TO FORM:  
County Counsel

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

Dated \_\_\_\_\_

Signed and certified that a copy of this document has been delivered to the Chair of the Board per G.C. Sec 25103, Resolution 79-1535

**COUNTY**

County of Orange

Attest:

By: \_\_\_\_\_  
Chair, Board of Supervisors

\_\_\_\_\_  
Darlene J. Bloom  
Clerk of the Board of Supervisors  
Orange County, California

EXHIBIT "B"

# Water Bottle Filling Station

Feeling thirsty?  
Drink up!

OC parks



cityofirvine.org



Irvine Ranch Water District  
irwd.com

OC Parks and Irvine Ranch Water District have teamed up to provide this convenient and environmentally smart way for you to access quality drinking water.

The clean, pure tap water provided here exceeds state and federal water quality standards.

When using this station to refill your reusable bottle, you're protecting the environment by reducing plastic waste and saving the energy needed to package and distribute water in disposable bottles.

Thanks for choosing the sustainable way to quench your thirst!  
For questions about our water, call Irvine Ranch Water District at: (949) 453-5300 or email: info@irwd.com.

For questions about this OC Parks facility, visit [www.ocparks.com](http://www.ocparks.com), call (866) OC-PARKS or email: [ocparks@ocparks.com](mailto:ocparks@ocparks.com).

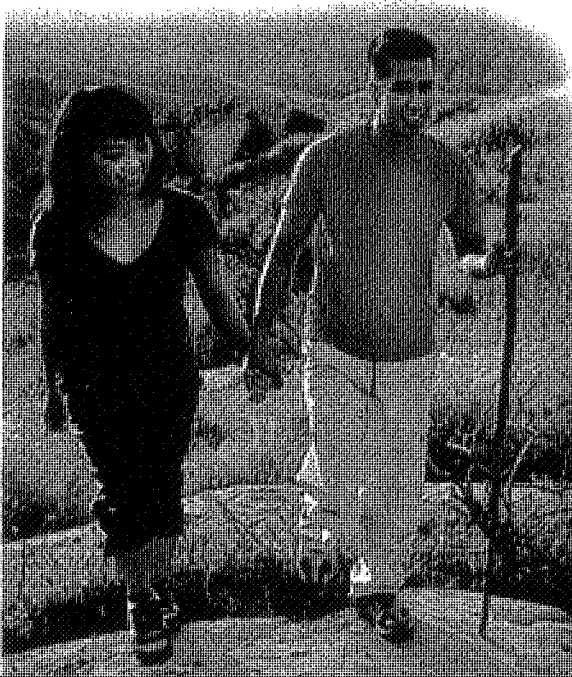




EXHIBIT "C"



**Project GreenFill - Water Bottle Filling Stations**  
**Location Map**



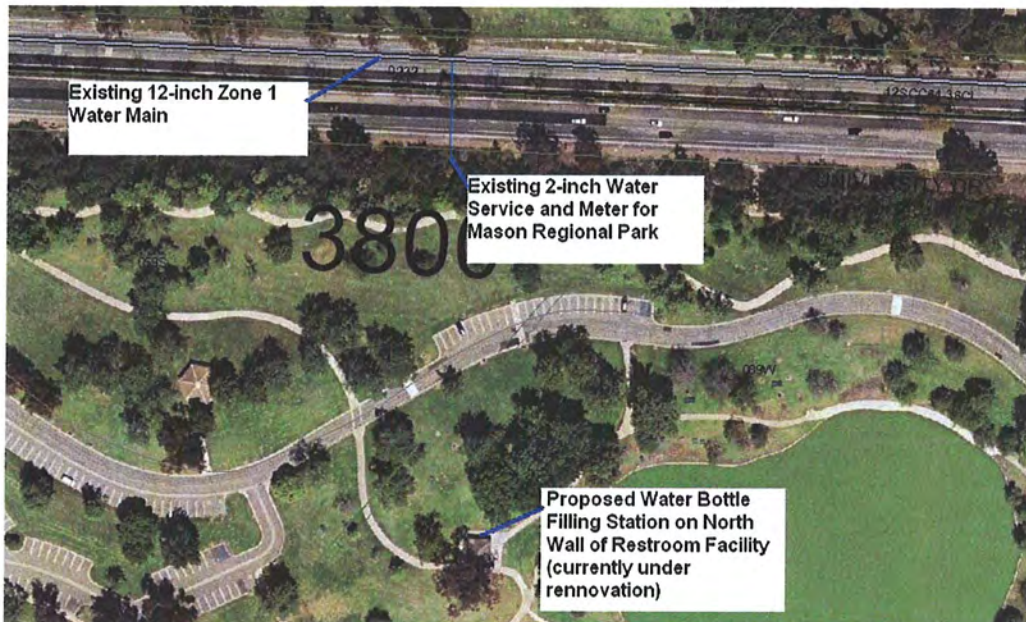


**EXHIBIT "D"**

**Project GreenFill - Water Bottle Filling Stations  
Location No. 1**



Photograph of Proposed Location No. 1 – Restroom Facility (currently under renovation)



Schematic Diagram – Source of Water for Location No. 1



**EXHIBIT "E"**

**Project GreenFill - Water Bottle Filling Stations  
Location No. 2**



Photograph of Proposed Location No. 2 – Island at Intersection of Trails



Schematic Diagram – Source of Water for Location No. 2

June 27, 2011

Prepared by: J. Stanearth / M. Cortez

Submitted by: K. Burton

Approved by: Paul Jones

## ACTION CALENDAR

### ORANGE PARK ACRES TRANSMISSION PIPELINE PROJECT CONTRACT CHANGE ORDER NO. 11

#### 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. 11, in the amount of \$204,350, to Leatherwood Construction, Inc. for the Orange Park Acres Transmission Pipeline Project, Project 11408.

#### BACKGROUND:

Construction of the Orange Park Acres Transmission Pipeline Project (Project) was awarded to Leatherwood Construction, Inc. (Leatherwood) in October 2010 in 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 water system pressure to the Orange Park Acres area. A Location Map of the project is attached as Exhibit "A".

#### Contract Change Order No. 11:

CCO No. 11, in the amount of \$204,350, includes the following Change Requests (CR):

- Construct 20-inch CML&C steel transmission pipeline in Chapman Avenue (CR-16-1), at greater depths over a significant portion of the reach; and with many more existing utility crossings (found during pot-holing operations); and requiring more grade-breaks and fittings; and,
- Backfill the utility trench for the 20-inch transmission pipeline with crushed-miscellaneous base (longitudinally along Chapman) and with sand-cement slurry in all (seven) intersections and other transverse trench crossings (CR-16-2). This was done in response to a new City of Orange permit requirement negotiated with IRWD and the contractor in-lieu of replacing excessively thick street pavement sections.

A staff report, which is attached as Exhibit "B", provides more details on CCO No. 11. A copy of CCO No. 11 is attached as Exhibit "C". A summary of the previous CCOs is attached as Exhibit "D".

Staff reviewed Leatherwood's cost proposals, negotiated changes, and believes Leatherwood's final costs are appropriate and reasonable.



FISCAL IMPACTS:

Project 11408 is included in the FY 2010-11 Capital Budget. The existing budgets and Expenditure Authorizations are sufficient to fund Contract Change Order No. 11 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 at the Engineering and Operations Committee on June 21, 2011.

RECOMMENDATION:

THAT THE BOARD APPROVE CONTRACT CHANGE ORDER NO. 11 WITH LEATHERWOOD CONSTRUCTION, INC. IN THE AMOUNT OF \$204,350 FOR THE ORANGE PARK ACRES TRANSMISSION PIPELINE PROJECT, PROJECT 11408.

LIST OF EXHIBITS:

- Exhibit "A" - Location Map
- Exhibit "B" - Staff Report - Contract Change Order No. 11
- Exhibit "C" - Contract Change Order No. 11
- Exhibit "D" - Contract Change Order Log

# Exhibit "A"

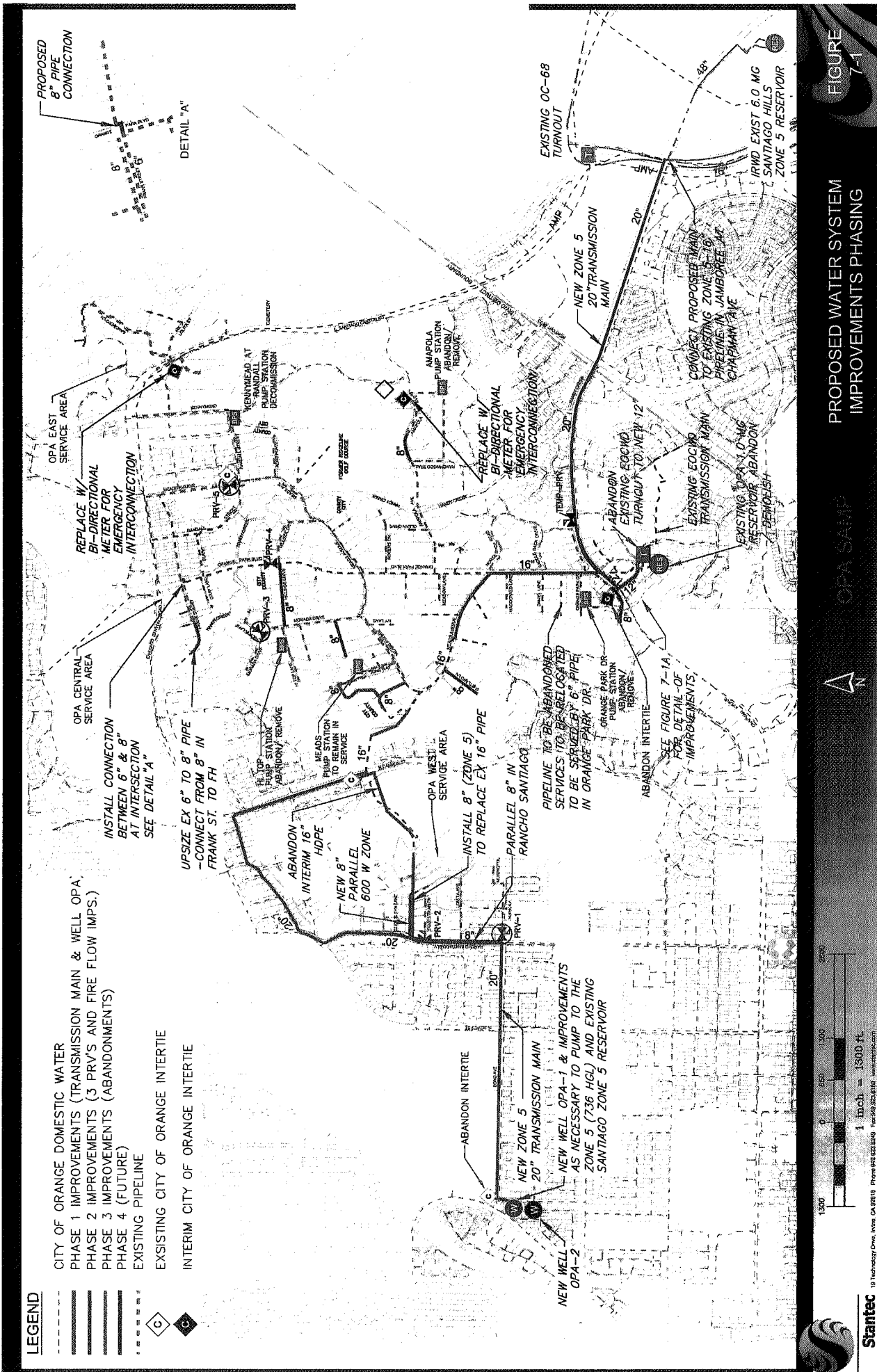
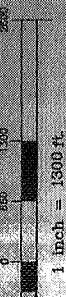


FIGURE 7-1

PROPOSED WATER SYSTEM IMPROVEMENTS PHASING



19 Technology Drive, Irvine, CA 92618 Phone 949 222 8248 Fax 949 222 8188 www.stantec.com



Stantec



# Exhibit “B”

Staff Report  
for  
Orange Park Acres Transmission Pipeline Project  
Contract Change Order No. 11

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. 11 (CCO No. 11).

## **Contract Change Order No. 11**

CCO No. 11 is submitted in the amount of \$204,350. The change order includes two (2) change order requests from the contractor comprised of individual work scope charges. Both are related to the Delta No. 4 revised plan-set and are more specifically related to the 20-inch CML&C steel pipeline segment within Chapman Avenue from Jamboree Road to Orange Park Blvd. The changes are detailed hereafter:

***Construct 20-inch CML&C steel transmission pipeline in alternate alignment & depths per IRWD Delta no. 4 plan revisions – (CR No. 16-1):*** This change was necessary because the original pipe route along Chapman Avenue between Jamboree Road and Orange Park Blvd. was changed vertically to avoid numerous existing underground utility conduits found during the pot-holing operation. Near Orange Park Blvd. and Chapman Avenue, the pipeline was also moved horizontally to avoid an existing 6-inch high-pressure gas line.

Item No. 16-1 in the amount of \$137,406 is for labor and equipment and materials to adjust the pipeline profile to a greater depth crossing numerous (unforeseen) underground utilities. To achieve to revised pipe profile a number of additional pipe deflections and fittings were required. Steel pipe materials account for roughly \$35,000 of this total. The remainder (approximately \$102,000) is for the additional labor and equipment costs to excavate deeper trenches to avoid the utilities encountered and to provide shoring and install the new pipe around them without disturbance. The incremental work effort was negotiated to a lump sum total (an additional 40 working hours) based on “time & materials” cost estimates.

***Construct 20-inch CML&C steel transmission pipeline in Chapman Ave. using alternate trench backfill (CMB longitudinally) and sand-cement slurry in all (seven) intersections per IRWD Delta no. 4 plan revisions – (CR No. 16-2):*** This change request comes from the discovery of varying street pavement thickness during the pot-holing operation. The street section of Chapman Avenue has some sections of 22-inch thick asphalt over varying thickness aggregate base material. In one location there was an old concrete road section beneath the thickened asphalt.

Following a review of the existing soil conditions and traffic indices by our geotechnical engineer, NMG Geotechnical, District staff approached the City of Orange to request a deviation from the standard requirement to “match existing pavement thickness plus one-inch”. Ultimately, the City agreed to a pavement thickness of 8-inches of AC over 18-inches of aggregate base; so long as the trench backfill was done with CMB (crushed miscellaneous base) for longitudinal trenches or with sand-cement slurry in intersections and transverse trenches.

Item No. 16-2 in the amount of \$66,944 is for labor, equipment and materials to backfill the pipe trench zone with CMB (1150 tons) and compact it; to place the sand-cement slurry (840 cubic yards) and to haul away and dispose of the native trench material. This amount also includes credit and reduced labor and equipment costs reflecting the reduced compactive effort within the seven intersection areas where sand-cement slurry was required.

Staff reviewed the contractors “time & materials” cost estimates and negotiated a lump sum amount for the incremental work effort to provide the alternate backfill materials required by the City of Orange. Staff believes this is fair and reasonable for the work performed and the materials provided.

**CON**      **Exhibit "C"**      **ORDER**

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



C.O. No. 11 Page 1 of 1  
 Final  
 Project No. 11408  
 Date: 06-13-11

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. 16-1) Negotiated lump sum price adjustment based on review of "time & materials" price quote for additional work to install the 20-inch steel pipeline in Chapman Avenue per the Delta No. 4 plan revisions. Delta No. 4 plans required deeper installations and reflected numerous additional utility crossings discovered during the potholing operation.	\$137,406.00		7
Item No. 2: (CR No. 16-2) Negotiated lump sum price adjustment based on review of "time & materials" price quote for additional work for placing slurry backfill, crushed miscellaneous base and additional hauling and dump fees for removal of native material from trench zone; minus the credit for the compaction effort of the native materials. Permit condition change required by City of Orange to place slurry in intersections and CMB in lieu of native material in other trench areas.	\$66,944.00		<-3>
NOTE: The Contract Completion Date of April 24, 2012 is changed to April 28, 2012 with this Change Order.			
<b>TOTAL =</b>	\$204,350.00	\$0	4

DAYS ±

1. NET AMOUNT THIS CHANGE ORDER	=	\$204,350.00	4
2. ORIGINAL CONTRACT AMOUNT	=	\$6,786,397.00	455
3. TOTAL PREVIOUS CHANGE ORDERS	=	\$501,593.00	90
4. TOTAL BEFORE THIS CHANGE ORDER (2+ 3)	=	\$7,287,990.00	545
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$7,492,340.00	549

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

----- two hundred four thousand three hundred fifty dollars and no cents

6/11/11      Leatherwood Construction, Inc.      Robby Kanwar  
 Date      Name of Contractor      By

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
<u>J. STANEART</u> IRWD Project Engineer or Consulting Engineer	<u>6/13/11</u> Date	Department Director Approval Required <input type="checkbox"/>
<u>Malcolm Cortez</u> Principal Engineer / Construction Manager	<u>6/14/11</u> Date	General Manager Approval Required <input type="checkbox"/>
<u>Kevin J. Burton</u> Director of Engineering & Construction	<u>6/14/11</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 5406  
PR 11408  
Construction Summary

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
1	Approved by Director of Engineering and Construction Approved on February 7, 2011 1.1 Additional pottholing on December 1, 2010 of undisclosed utility conduits along Chapman Avenue at five locations. 1.2 Additional pottholing on December 3, 2010 of undisclosed utility conduits in the intersection of Lamboree and Chapman Avenue. 1.3 Additional pottholing on December 6, 2010 of undisclosed utility conduits in the intersection of Lamboree and Chapman Avenue at the 54-in. and 72-in. pipelines. 1.4 Additional pottholing 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 B B B C	\$ 7,060.00 \$ 2,795.00 \$ 2,795.00 \$ 3,720.00 \$ 8,300.00	\$ 24,670.00	\$ -	\$ 24,670.00	\$ 6,811,067.00	0.4%	3	0	3	458	1/25/2012
2	Approved by Director of Engineering and Construction Approved 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	\$ 6,829,460.00	0.6%	0	3	3	458	1/28/2012
	Approved by Assistant General Manager Approved 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 pottholing on Jons Way on 12/7, 12/8 & 12/9 to locate existing utilities not shown on project plans. 3.4 Additional pottholing on Jons Way to locate 11 different undisclosed utility crossings not shown on the project plans.	B B B B	\$ 8,334.00 \$ 10,250.00 \$ 21,795.00 \$ 7,705.00	\$ 48,084.00	\$ 43,063.00	\$ 91,147.00	\$ 6,877,544.00	1.3%	10	3	13	468	2/7/2012
	Approved by Director of Engineering and Construction Approved on March 23 2011 4.1 Additional pottholing 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. Approved by Director of Engineering and Construction Approved on March 18, 2011 5.1 Rock excavation & removal between stations 138 & 138 in open-space lot between Cannon & Meads on "time & materials" basis. 5.2 No cost time extension to allow for rain days through the end of February 2011.	B D B B	\$ 12,575.00 \$ 10,255.00 \$ 22,834.00 \$ -	\$ 22,830.00	\$ 91,147.00	\$ 113,977.00	\$ 6,900,374.00	1.7%	9	13	22	477	2/16/2012
5	Approved by Assistant General Manager Approved 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 A A A A	\$ 5,792.00 \$ 13,819.00 \$ 4,690.00 \$ 4,306.00 \$ 5,964.00	\$ 34,571.00	\$ 136,811.00	\$ 171,382.00	\$ 6,957,779.00	2.5%	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 B	\$ 21,400.00 \$ 3,100.00	\$ 24,500.00	\$ 171,382.00	\$ 195,882.00	2.9%	\$ 6,982,279.00	3	52	55	455	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	3/22/2012
9	Approved by Board Approved on May 23, 2011 9.1 Change 4 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 C D B C A A	\$ (1,400.00) \$ 193,426.00 \$ 6,725.00 \$ (8,288.00) \$ 58,293.00 \$ (24,492.00) \$ 40,618.00	\$ 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 D	\$ 5,457.00 \$ 10,467.00	\$ 15,924.00	\$ 485,669.00	\$ 501,593.00	7.4%	\$ 15,924.00	4	0	4	545	4/24/2012
11	Approved by Board pending review of E&O Committee Approved on (not yet approved) 11.1 Add 2-inch PVC sleeve for future private gas line - Randazzo Drwy. 11.2 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 B	\$ 137,406.00 \$ 66,944.00	\$ 204,350.00	\$ 501,593.00	\$ 705,943.00	10.4%	\$ 204,350.00	4	0	4	4	4/28/2012

D-2

A - District Convenience/Initiation - Project Related	\$ 74,202.00
B - Differing Site Conditions	\$ 320,425.00
C - Design Oversight	\$ 278,412.00
D - District Convenience/Initiation - Non-Project Related	\$ 32,904.00
<b>TOTAL (A+B+C+D)</b>	<b>\$ 705,943.00</b>
	<b>10.4%</b>

June 27, 2011

Prepared by: J. McGehee/P. Uematsu

Submitted by: K. Burton

Approved by: Paul Jones

## ACTION CALENDAR

### WELLS 21 AND 22 DESALTER CONTRACT CHANGE ORDER NO. 3

#### SUMMARY:

The Wells 21 and 22 Desalter design/build is currently being constructed by Pascal & Ludwig Constructors (P&L). Staff recommends that the Board:

- Approve an Expenditure Authorization in the amount of \$385,600 for Project 10286; and
- Approve Contract Change Order (CCO) No. 3, in the amount of \$367,230, to Pascal & Ludwig Constructors for the Wells 21 and 22 Desalter, Project 10286.

#### BACKGROUND:

Design/Build of the Wells 21 and 22 Desalter was awarded to P&L in June 2010 in the amount of \$14,253,587. This plant will provide reverse osmosis treatment for seven million gallons per day of groundwater extracted from Wells 21 and 22 located in the City of Tustin.

#### Contract Change Order No. 3:

CCO No. 3, in the amount of \$367,230, covers the following three items:

**Emergency Generator:** The original bidding documents did not provide an emergency power supply. During the initial 30% design, staff considered the response time for operations to mobilize to the Desalter Facility as well as providing for an automatic emergency shutdown sequence to protect the reverse osmosis membranes, and determined that the facility should be equipped with an emergency generator. When the main power shuts down unexpectedly, the emergency power will provide for flushing water, motorized valves, shutdown programming, alarming, SCADA, and lights long enough for the facilities to be properly shutdown.

**Surge Tank:** The addition of a surge tank was anticipated when the design/build contract was awarded, but it was not included in the bidding documents because the final hydraulics and tank size were unknown. During the 30% design, the wellhead pump selections, final hydraulic calculations, and surge analysis were completed. Based on the analysis a surge tank was selected to protect the distribution system and plant facilities from surges in water pressure.

**Hydraulic Platform Lift:** This hydraulic lift was added for operations and maintenance of the reverse osmosis membranes, and piping and valves adjacent to the membrane racks. It will provide a safe platform for removing and loading membranes, and for working on the membrane racks and adjacent appurtenances.

Staff reviewed P&L's cost proposal, negotiated changes, and mutually agreed with P&L on the costs. CCO No. 3 is attached as Exhibit "A". The construction contract summary is attached as Exhibit "B".

FISCAL IMPACTS:

Project 10286 is included in the FY 2010-11 Capital Budget. An Expenditure Authorization is requested for CCO No. 3 as shown in the table below and in Exhibit "C".

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
10286	\$39,921,300	\$-0-	\$39,921,300	\$31,351,100	\$385,600	\$31,736,700

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 USBR has adopted a Categorical Exemption for the project.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on June 21, 2011.

RECOMMENDATION:

THAT THE BOARD APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$385,600 FOR PROJECT 10286, AND APPROVE CONTRACT CHANGE ORDER NO. 3, IN THE AMOUNT OF \$367,230, TO PASCAL & LUDWIG CONSTRUCTORS FOR THE WELLS 21 AND 22 DESALTER, PROJECT 10286.

LIST OF EXHIBITS:

Exhibit "A" – Pascal and Ludwig Constructors Contract Change Order No. 3

Exhibit "B" – Construction Contract Summary

Exhibit "C" – Expenditure Authorization

# Exhibit "A"

## CONTRACT CHANGE ORDER

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



C.O. No. 3  
 Final  
 Project No. 10286

Wells 21 and 22 Desalter  
 Project Title

Date: June 8, 2011

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
Emergency Generator	\$233,983		0
Surge Tank	\$115,611		0
Forklift (Straddle Stacker)	\$17,636		0
<b>TOTAL</b>	<b>\$ 367,230</b>	<b>0</b>	<b>0</b>

DAYS ±

1. NET AMOUNT THIS CHANGE ORDER	=	\$367,230	0
2. ORIGINAL CONTRACT AMOUNT	=	\$14,152,587	450
3. TOTAL PREVIOUS CHANGE ORDER(S)	=	\$47,722	0
4. TOTAL BEFORE THIS CHANGE ORDER (2+3)	=	\$14,200,309	450
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$14,567,539	450

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

Three hundred sixty-seven thousand two hundred thirty ----- Dollars

17 JUN 11  
 Date

Pascal & Ludwig Constructors  
 Contractor

*[Signature]*  
 By

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
<i>[Signature]</i>	<u>6/17/11</u>	Department Director Approval Required <input type="checkbox"/> General Manager Approval Required <input type="checkbox"/> Committee Approval Required <input type="checkbox"/> Board Approval Required <input checked="" type="checkbox"/>
IRWD Engineer or Consulting Engineer <i>[Signature]</i>	Date <u>6/17/11</u>	
Principal Engineer <i>[Signature]</i>	Date <u>6/17/11</u>	
Director of Engineering and Construction	Date	
General Manager	Date	By _____ Date _____ Purchase Order No. <u>126738</u>

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 "B"

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

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

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
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.	A	\$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%)	D	\$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	Pending Approval by Board of Directors Approved on June 27, 2011 3.1 Emergency Generator 3.2 Surge Tank 3.3 Forklift (Straddle Stackler)	A	\$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

	Contract Amount	% of Original
A - District Convenience/Initiation - Project Related	\$ 367,230.00	2.6%
B - Differing Site Conditions	\$ -	0.0%
C - Design Oversight	\$ -	0.0%
D - District Convenience/Initiation - Non-Project Related	\$ 47,722.00	0.3%
<b>TOTAL (A+B+C+D)</b>	<b>\$ 414,952.00</b>	<b>2.9%</b>

# IRVINE RANCH WATER DISTRICT

# Exhibit "C"

## Expenditure Authorization

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

Project No: 10286 EA No: 10

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

### Improvement District (ID) Allocations

Project Manager: UEMATSU, PATRICIA

Project Engineer: MORI, RICHARD

Request Date: June 8, 2011

### ID No. Allocation % Source of Funds

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:	\$31,351,100
This Request:	\$385,600
<b>Total EA Requests:</b>	<b>\$31,736,700</b>
Previously Approved Budget:	\$39,921,300
Budget Adjustment Requested this EA:	\$0
<b>Updated Budget:</b>	<b>\$39,921,300</b>
<b>Budget Remaining After This EA</b>	<b>\$8,184,600</b>

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING - PLANNING OUTSIDE	0	0	0	0	0	0	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	367,300	20,493,000	20,860,300	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	\$18,300	\$1,493,100	\$1,511,400	\$0	\$1,901,200	\$1,901,200		
<b>Subtotal (Direct Costs)</b>	<b>\$385,600</b>	<b>\$31,351,100</b>	<b>\$31,736,700</b>	<b>\$0</b>	<b>\$39,921,300</b>	<b>\$39,921,300</b>		
Estimated G/A - 195.00% of direct labor*	\$0	\$1,189,500	\$1,189,500	\$0	\$1,189,500	\$1,189,500		
<b>Total</b>	<b>\$385,600</b>	<b>\$32,540,600</b>	<b>\$32,926,200</b>	<b>\$0</b>	<b>\$41,110,800</b>	<b>\$41,110,800</b>		
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: \_\_\_\_\_

\*\* 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 \$41,934,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. This declaration of official intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.



June 27, 2011

Prepared and Submitted by: Janet Wells

Approved by: Paul Jones



## ACTION CALENDAR

### SELECTION OF FIRM TO CONDUCT SEARCH FOR GENERAL MANAGER

#### SUMMARY:

Staff was directed to solicit proposals from executive recruitment firms to conduct a search for a General Manager to replace Paul Jones. Staff received proposals from four of the five firms solicited and met at a special meeting of the Finance and Personnel Committee to review and discuss the proposals. Staff recommended and the Finance and Personnel Committee concurred to retain the services of Roberts Consulting Group, Inc. at a fixed fee rate of \$27,000.

#### BACKGROUND:

Five firms were requested to submit proposals to conduct an executive search for the District's General Manager. These firms included: Alliance Resource Consulting, Bob Murray & Associates, Ralph Andersen & Associates, Roberts Consulting Group, and Peckham & McKenney. Four firms submitted proposals with Peckham & McKenney declining to respond. A summary of the proposals submitted by the four firms is presented in Exhibit "A". A copy of the proposal submitted by Roberts Consulting Group is included for your review as Exhibit "B".

#### SUMMARY:

The scope of work presented in all four proposals was quite similar and the cost for the search (professional fees plus projected expenses) ranged from \$22,500 to \$29,500. Roberts Consulting Group stood out among the other firms for several reasons. First, they are located locally in Beverly Hills and select only a limited number of recruitments to provide high quality hands on service. Norm Roberts will personally be heading up this assignment and brings over 35 years and over 3,000 searches for senior level recruitments for local governments nationwide. Sample brochures are included in Exhibit "C". Recent recruitments include:

- General Manager – Eastern Municipal Water
- General Manager – Sonoma County Water Agency
- General Manager – Long Beach Water Department
- President/CEO – Metropolitan Water District of Southern Calif.

#### FISCAL IMPACTS:

The fixed fee for the General Manager recruitment is \$27,000, which includes a one year candidate guarantee. Should an additional search be required, the fixed fee would be waived and the cost of the recruitment would be limited to expenses only.



Action Calendar: Selection of Firm to conduct Search for General Manager

June 27, 2011

Page 2

**ENVIRONMENTAL COMPLIANCE:**

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

**COMMITTEE STATUS:**

This item was reviewed as at a special meeting of the Finance and Personnel Committee on June 23, 2011.

**RECOMMENDATION:**

THAT THE BOARD AUTHORIZE A PROFESSIONAL SERVICES AGREEMENT IN THE AMOUNT OF \$27,000 TO ROBERTS CONSULTING GROUP FOR THE RECRUITMENT OF A GENERAL MANAGER.

**LIST OF EXHIBITS:**

Exhibit "A" – Summary of General Manager Recruitment Proposals

Exhibit "B" – Roberts Consulting Group Proposal

Exhibit "C" – Sample brochures for past executive searches conducted by Roberts Consulting Group

Summary of Recruitment Firms for General Manager Search 2011

Firm	Lead/Project Director	Location	Length of Recruitment	Cost	Recent/Current Recruitments	Comments
Bob Murray & Associates	Bob Murray - 25 yrs exp. 916-784-9080 Regan Williams - 30 yrs. exp.	Roseville, CA	16 weeks	\$16,500; Expenses \$6,000 (\$22,500 total)	City Attorney & Manager, City of Santa Ana City Manager, Anaheim Irvine, Police Chief Laguna Beach, City Mgr. Rancho Santa Margarita, City Mgr. San Clemente, City Manager Fallbrook PUD, General Manager	Develop candidate profile. Develop process to involve Dept. Heads, staff & community if desired. Design interview strategies to ensure BOD makes final decision. Facilitate discussions to reach consensus on ideal candidate. Background checks - top 2-3 candidates. Candid discussions with references. Candidate guarantee - 1 year. New search for cost of expenses only.
Roberts Consulting Group	Norm Roberts - 35 yrs. exp. 818-783-7752 Valerie Roberts - 25 yrs. exp.	Beverly Hills, CA	14 Weeks	\$27,000 Fixed Fee*	Eastern Mun. Water Dist. - General Mgr. Sonoma County Water Agn. - General Mgr. Met. Water Dist. - President/CEO Long Beach Water Dept. - General Manager IRWD - GM and Controller LA Olympic Committee - Peter Ueberroth	Located locally. 3,000 Senior level recruitments for local governments nation-wide Mostly repeat business; one County has hired Roberts 40 times. Recent recruitments for Water/Wastewater agency chief executive. Prior Experience with IRWD. Norm ranked in the book, "The Career Makers" as leading executive recruiter. Candidate guarantee - 1 year. New search for cost of expenses only.
Alliance Resource Consulting	Sherrill Uyeda - 13 yrs. exp. 562-901-0769 ext. 331 310-592-8847 Cell	Long Beach, CA	15 Weeks	\$16,500; Expenses \$7,500 (\$24,000 total)	Water Replenishment District of So Cal - AGM Imperial Irrigation District - AGM LA Dept. of Water and Power - General Mgr. City of Ventura - Water Utility Manager Rancho Calif. Water District - GM & AGM IRWD - GM with Norm Roberts Elsinore Valley Mun. Water - AGM & Dir. of Oprs.	Located locally. Public Sector Executive search speciality. On-line data base of over 11,000 candidates active in public sector positions. Custom online client/candidate management system. Use of social media; Face book, Twitter. Candidate guarantee - 1 year. New search for cost of expenses only.
Ralph Andersen & Associates	Heather Renshler- 26 yrs. exp. 916-630-4900 Robert Burg - 32 yrs. exp.	Rocklin, CA	16 Weeks	\$29,500 Fixed Fee	IRWD - Director of Water Operations Elsinore Valley Mun. Water Dist. - GM & Dir. of Eng. Orange Co. Water Dist. - General Manager Western MWD - General Manager, Manager of HR and Water Resources Mgr.	Recent experience with District. Candidate guarantee - 2 years. New search for cost of expenses only. Aggressive, personalized outreach. Work closely with Board, leadership, stakeholders and when appropriate community.

\* If recruitment results in a candidate not selected for GM being hired for a different executive position in the district, and additional \$10,000 fee is required. Typical requirement of most firm:



## EXHIBIT "B"

June 21, 2011

VIA EMAIL

### CONFIDENTIAL

Members of the Board of Directors  
c/o Ms. Janet Wells  
Director of Human Resources  
Irvine Ranch Water District  
15600 Sand Canyon Avenue  
Irvine, CA 92618-3102

Members of the Board of Directors:

In response to your request, ROBERTS CONSULTING GROUP, INC. is pleased to submit this proposal to assist Irvine Ranch Water District in recruiting and evaluating candidates for the position of General Manager.

In this proposal we outline our general understanding of your requirements and present the process we recommend to conduct this recruitment. It is a process we have successfully utilized for more than 20 years. However, if you desire some modification, we would be pleased to discuss this with you.

### **WHY ROBERTS CONSULTING GROUP?**

The primary objective of ROBERTS CONSULTING GROUP, INC. is to provide our clients with unsurpassed excellence in executive recruitment. Accepting only a limited number of recruitments, we are able to provide senior level, hands on service of the highest quality. From ascertaining our client's needs, to identifying and recruiting qualified candidates, and extensively verifying background information, the work is conducted by senior level consultants with numerous years of experience and judgment. We are also skilled in negotiating final offers, increasing the likelihood of successfully hiring the desired candidate.

Norm Roberts pioneered the field of public sector recruitment over 35 years ago. During his career, he has managed/conducted in excess of 3,000 senior level recruitments for local governments throughout the country. Valerie Roberts has over 25 years of executive recruitment experience, having co-founded and managed *Norman Roberts & Associates, Inc.*, then the largest search firm in the U.S. specializing in public sector recruitment. The majority of our clients have hired us on numerous occasions, including one California county having hired us more than 40 separate times.

**We have extensive experience recruiting chief executives and senior level executives for water/wastewater agencies. Our firm just completed the recruitment for the General Manager for the Eastern Municipal Water District and we previously conducted recruitments for the General Manager for the Sonoma County Water Agency, the President/Chief Executive Officer for the Metropolitan Water District of Southern California, the Deputy General Manager for the Long Beach Water Department, and three**

**senior level executives for the Castaic Lake Water Agency. In addition to previously recruiting a General Manager and a Controller for Irvine Ranch Water District, Norm Roberts managed/conducted senior level recruitments for the following organizations (almost all of which included chief executive recruitments): Castaic Lake Water Agency; Coachella Valley Water District; District of Columbia Water and Sewer Authority; East Bay Municipal Utilities District; Eastern Municipal Water District; Inland Empire Utilities Agency; Long Beach Water Department; Metropolitan Water District of Southern California; Miami-Dade County, FL (Water and Sewer Department); San Antonio Water System (TX); South Florida Water Management District; Washington Suburban Sanitary District (MD); American Water Works Association; California Urban Water Agencies; California Urban Water Conservation Council; Cambria Community Services District; Camrosa Water District; Metropolitan Sewer District (Cincinnati); Contra Costa Water District; Dominguez Services Corporation; City of Fresno (Public Utilities); Little Blue Valley Sewer District (MO); Livermore-Amador Valley Water Management Agency; Monte Vista Water District; Monterey County Water Resources Agency; Monterey Peninsula Water Management District; Morris County Municipal Utilities Authority (NJ); Padre Dam Municipal Water District; Rainbow Water District; Ramona Municipal Water District; City of Richmond, VA (Director of Public Utilities); Southwest Florida Water Management District; Tucson Water Department (AZ); Valencia Water Company; Valley of the Moon Water District; Ventura Regional Sanitation District; and Water Replenishment District of Southern California.**

We believe the primary advantages in utilizing our firm, and what may differentiate us from others, include our:

- Extensive and recent experience recruiting chief executives for water/wastewater agencies.
- Familiarity with the Irvine Ranch Water District from our consultant's prior recruitments conducted for your organization.
- Proximity to you being headquartered in Southern California.
- Proactive recruitment of candidates who may not be seeking new positions and would not normally respond to routine advertising, or who may come from non-traditional sources.
- Track record of success in placing senior level executives in particularly sensitive and highly responsible/accountable positions.
- Quality of our work—indicative of this is the fact that, over the years, most of our clients have utilized our services on more than one occasion, and many have hired us numerous times.
- Ability to conduct a recruitment in a timely and complete manner.
- Thoroughness in conducting reference and background checks—we are very specific about the reference names we request from candidates.

**Norm Roberts will be the on-site person responsible for this assignment and will be assisted by Valerie Roberts.** Norm Roberts will attend all client meetings, assist with research to identify potential candidates, proactively recruit candidates, and interview leading candidates. Valerie Roberts will write the Recruitment Brochure, write and place advertisements, conduct research to identify potential candidates, conduct preliminary candidate interviews via telephone, conduct background investigations (including reference checking), and oversee report preparation. Our biographies can be found in Exhibits A and B, and references can be found in Exhibit C.

## **STATEMENT OF WORK**

Our objective is to find the best qualified candidates for our clients. While notices in professional journals may be helpful, many of the best candidates must be sought out and their interest encouraged. Our familiarity with your area, knowledge of the field and our relationships with professional organizations make us well qualified to assist you.

Our clients have found that we are able to: 1) build consensus among those involved in the hiring process; 2) develop the appropriate specifications for a position; 3) encourage the interest of top-level people who would otherwise be reluctant to respond to an advertisement, 4) preserve the confidentiality of inquiries, consistent with State public disclosure and open meeting laws; 5) save a considerable amount of time for client staff in developing and responding to candidates; and 6) independently and objectively assess the qualifications and suitability of candidates for the particular position for which we are recruiting.

If selected to conduct this recruitment, we will do the following:

### **Information Gathering and Analysis**

We will meet with Members of the Board and other appropriate individuals to obtain views of the position and expectations regarding desirable training, experience and personal characteristics of candidates. We will also gather/review relevant information about the District and the position.

After summarizing our findings, we will submit a draft Recruitment Brochure with the desired qualifications and characteristics for your approval. The Recruitment Brochure that will be sent to potential candidates will include information about the District, the job and the criteria established by you. Two sample Recruitment Brochures are attached.

### **Candidate Recruitment/Outreach**

Once you have approved the Recruitment Brochure, we will proactively seek out individuals with superior qualifications and invite and encourage their interest. Announcements will be placed on-line and in professional journals. However, we will rely heavily on our own experience and contacts.

We will not discriminate against any applicant for employment on the basis of race, religion, creed, age, color, marital status, sex, sexual preference, disabilities, medical condition, veteran status or national origin.

### **Initial Screening**

We will review, acknowledge and evaluate all resumes received. Initial screening will be based upon criteria contained in the Recruitment Brochure, information contained in the resumes submitted to us, and our knowledge of the people and organizations in which they work. Telephone screening will be conducted with the most promising candidates to gain a better understanding of their backgrounds.

### **Interim Reporting**

Upon completion of our initial screening, we will assemble and submit a report of the leading candidates. This report will include summary resumes, supplemental information, and the original resumes of those candidates we believe to be best qualified for the position. Supplemental information on a candidate typically includes: the size of the organization for which the person works, reporting relationships, budget responsibility, the number of people supervised, related experience and reasons for interest in the position. Any other specific information will be dictated by the criteria set forth in the Recruitment Brochure.

The purpose of our interim report is to allow our client an opportunity to review the candidates prior to the conclusion of the search, and it allows us to receive feedback on the caliber of the candidates recruited. In this way, you will not be surprised by the candidates, as you will have seen their qualifications prior to the final interviews. Of course, we are flexible and may consider other individuals as final candidates who are subsequently identified and were not included in the interim report.

### **Candidate Assessment**

We will interview (either in person or via video-conference) those candidates whose qualifications most closely match the criteria established by you. We will examine their qualifications and achievements in view of the selection criteria. Additionally, we will verify degrees and certifications, gather newspaper articles via the Internet, and conduct credit/criminal/civil litigation/motor vehicle record checks through an outside service.

As part of our process in evaluating candidates, we make telephone reference checks. In conducting these references, it is our practice to speak directly with individuals who are, or have been, in a position to evaluate the candidate's performance on the job. These references and our evaluations provide you with a frank, objective appraisal of the candidates. We will conduct preliminary references on candidates to be interviewed, and will finalize these for the top one or two candidates.

### **Client Interviewing**

We will assist you in scheduling final candidates for interview with your organization. In addition, we will prepare a brief written report for those candidates most nearly meeting your specifications, and will provide you with interviewing/selection tips, suggested interview questions, and rating forms for your use. Candidates will not be ranked, for we believe it will then be a matter of chemistry between you and the candidates. We will conduct a "briefing session" immediately preceding your interviews to make sure that the process flows smoothly, and will assist you in a "debriefing" immediately following the interviews. Once we finalize references on the top one or two candidates, we will provide you with a detailed, supplemental written report.

### **Additional Consultant Assistance**

Our efforts do not conclude with the presentation of the final report. We are committed to you until a successful placement is made. Services that are routinely provided include:

- Arranging the schedule of interviews and the associated logistics for final candidates.
- Advising on starting salary, fringe benefits, relocation trends and employment packages.
- Acting as a liaison between client and candidate in discussing offers and counter offers.
- Conducting a final round of reference checking with current employers (if not previously done for reasons of confidentiality).
- Notifying unsuccessful candidates, who were not recommended for interview, of the decision.

### **THE CLIENT'S ROLE**

We work in partnership with our clients in conducting a search. While we may identify and recommend qualified candidates, it is the client who must make the decision about which candidate(s) to hire. In order to insure that the best candidates are available from which to choose, our clients should be willing to do the following:

- Clearly inform us about matters relevant to the search that you wish to keep confidential (e.g., salary, personnel issues, and other privileged information).
- Supply us with the names of people you have previously interviewed/considered for this position.
- Forward to us copies of the resumes you receive, to avoid duplication of effort.
- Provide feedback regarding the information and recommendations provided by us.
- Promptly decide upon and follow up in scheduling interviews with the most promising candidates.
- Assist in providing information to candidates that will enable them to make their career decisions.

By doing the above, we will maximize the likelihood of mutual success.

Finally, please be reminded that the United States Immigration Reform and Control Act of 1986 requires that all employers verify an employee's eligibility to work in the United States. Since we cannot serve as your agent in this matter, your hiring process should include this verification procedure.



## **PROPOSED TIME SCHEDULE**

The following is a typical schedule to conduct a thorough recruitment. However, we would be pleased to discuss modifications to this to meet your needs:

Weeks 1 to 4	Meet with Members of the Board and other appropriate individuals to gather background information. Develop and obtain approval for the Recruitment Brochure. Develop a list of potential candidates to target. Prepare and place advertisements, if desired.
Weeks 5 to 9	Proactive recruitment—solicit, receive and acknowledge resumes. Evaluate resumes and gather supplemental information. Conduct telephone interviews with leading candidates.
Week 10	Submit interim report and meet to review leading candidates.
Weeks 11 and 12	Verify degrees and certifications, conduct preliminary references, conduct credit/criminal/civil litigation/motor vehicle record checks and interview the best qualified candidates.
Week 13	Submit report on final candidates and initiate the interview process with you.
Following Interviews	Finalize references and assist with negotiations.

## **FEES AND EXPENSES**

We propose a total fixed fee of \$27,000 to conduct this recruitment, which includes our firm's expenses. Our budget provides for the following three meetings with the client: 1) to develop the Recruitment Brochure; 2) to present the Interim Report; and 3) to attend interviews of final candidates. Please note that our budget does not include reimbursement of candidates who travel to be interviewed by you. Unless you notify us to the contrary, we will assume that you will handle these reimbursements directly. We will submit three equal invoices, due and payable within 30 days. Our first billing will be upon submission of the draft Recruitment Brochure, the second at the deadline for receipt of resumes, and the third upon presentation of our report on the day of interviews (or 90 days from the start of the recruitment, whichever comes first).

Though we are committed to working with you until a placement is made, our fees are not contingent upon our success in placing a candidate with your organization. However, if the selected candidate (if recommended by us for hire, and other than an internal candidate) should be terminated within one year from the date of hire, we will redo the search for no additional professional fee. We would, however, expect to be reimbursed for any expenses that might be incurred. And, in the event that more than one executive is hired in connection with work performed by us (i.e., for another position within your organization), a fee of \$10,000 will be due for each additional executive hired within one year of the completion of this recruitment.

You may discontinue this assignment at any time by written notification. In the unlikely event that this occurs, you will be billed for fees based upon the time elapsed from the commencement of the assignment to the date of cancellation. If a cancellation occurs within the first 30 days of the assignment, following either verbal or written authorization to proceed, one-third of the professional fee will be due. If a cancellation occurs thereafter, the fee beyond the first one-third will be prorated based upon the number of calendar days which have elapsed. If a cancellation occurs after 90 days, all professional fees will be due in full.

Our ability to carry out the work required is heavily dependent on our past experience in providing similar services to others, and we expect to continue such work in the future. We will, however, preserve the confidential nature of any information received from you or developed during the work in accordance with our established professional standards.

We assure you that we will devote our best efforts to carrying out the work required. The results obtained, our recommendations and any written material we provide will be our best judgment based on the information available to us and our liability, if any, shall not be greater than the amount paid to us for the services rendered.

We look forward with great interest to working with you on this very important assignment.

Sincerely,

Valerie S. Roberts  
President  
Roberts Consulting Group, Inc.  
PO Box 16692  
Beverly Hills, CA 90209  
Phone: (818) 783-7752  
Fax: (818) 783-6377  
Email: robertsrcg@msn.com

## EXHIBIT A

### NORMAN C. ROBERTS

Norman Roberts pioneered the field of public sector recruitment more over 35 years ago. During his career, he has managed more than 3,000 senior level recruitments. In addition, he has also provided other management consulting services for numerous local governments.

Mr. Roberts co-founded ROBERTS CONSULTING GROUP, INC. in March 2003 to provide consulting services to local governments. Previously, he co-founded and, for 11 years, served as President of *Norman Roberts & Associates, Inc.*, then the largest search firm in the U.S. specializing in public sector recruitment. He became a Vice President with Maximus, Inc. when the firm was acquired in April 1999, and continued in that role until March 2003. Prior to establishing Norman Roberts & Associates in 1988, Mr. Roberts was a Senior Vice President of Korn/Ferry International (KFI). He joined KFI in 1976 and was founder and manager of the firm's national public sector, not-for-profit, education and healthcare executive search practices. Among the many placements made by Mr. Roberts was the President of the Los Angeles Olympic Organizing Committee, Mr. Peter Ueberroth.

Mr. Roberts was previously employed for five years by Arthur D. Little, Inc. (ADL), where he conducted general consulting assignments and recruited executives for local governments and associations. Before joining ADL, Mr. Roberts was a senior consultant with Peat, Marwick, Mitchell & Co., during which time he managed several major consulting engagements to provide management assistance to public agencies. For three years before this, he was a senior member of the Executive Director's staff of a federally funded program with a \$60 million annual budget. Previously, he was Assistant City Administrator of the City of Lomita. He began his career as a staff assistant to the City of Los Angeles' Board of Public Works.

Mr. Roberts received a Bachelor of Arts degree in Political Science from the University of California, Los Angeles (UCLA), and a Master's degree in Public Administration from the University of Southern California (USC).

In the book The Career Makers, which profiles the top 150 executive recruiters in the nation, Mr. Roberts was ranked as *the* leading recruiter for both Government Agencies/Municipalities and Engineering. He was among the top ten for Transportation, MIS/Computer Operations, and Women/Handicapped/Minorities, as well as being named a leader in several other areas, including Associations/Societies/Non-Profit Organizations, Health Services/Hospitals, Universities/Colleges/Schools, Public Relations/Government Affairs, Legal, Law/Accounting/Consulting Firms, Construction and Retail.

Mr. Roberts is a Past President of both the Los Angeles and San Francisco chapters of the American Society for Public Administration (ASPA) and, in 1988, he received the Will Baughman Award for distinguished service to ASPA. He was an Advisory Board Member and Past President of the California Executive Recruiters Association (CERA), and a member of the International City/County Management Association (ICMA), Western Governmental Research Association (WGRA), and International Personnel Management Association (IPMA). He is currently on the Advisory Board for the School of Public Policy, Planning and Development at the University of Southern California and is a member of the Government Finance Officers

Association (GFOA). He also served on the Board of Children's Institute International and is a Past President. Mr. Roberts has authored numerous articles and spoken before national organizations on the subject of personnel issues.

## **EXHIBIT B**

### **VALERIE S. ROBERTS**

Valerie Roberts is co-founder and President of ROBERTS CONSULTING GROUP, INC. The firm was formed in March 2003 to provide consulting services to local governments. In 1988, she was co-founder and Executive Vice President of *Norman Roberts & Associates, Inc.*, then the largest executive search firm in the U.S. specializing in public sector recruitment. She had management responsibility for all recruitments conducted by the firm, including developing systems, reviewing all consultant work, and marketing. Maximus, Inc. subsequently acquired *Norman Roberts & Associates*, and she continued with them until March 2003.

Previously, Ms. Roberts held the position of Assistant to the President of the Arden Group, a \$360 million holding company with interests in supermarkets and telecommunications. Prior to joining Arden, Ms. Roberts spent five years as a management consultant with Management Systems Consulting Corporation and Theodore Barry & Associates, specializing in management development, strategic planning and organizational development.

While in graduate school, Ms. Roberts was a Young Presidents' Organization (YPO) intern with Korn/Ferry International and then continued with them as an Associate. She worked on executive search assignments in the areas of financial services, public sector and within the general practice.

Ms. Roberts received a Bachelor of Arts degree from Colorado Women's College (now a part of the University of Denver), where she was valedictorian and graduated summa cum laude. She earned a Master of Business Administration degree from the University of California, Los Angeles (UCLA), with emphasis in finance and strategic planning, and is a member of Beta Gamma Sigma.

Ms. Roberts was a member of the California Executive Recruiters Association, and was active in fundraising efforts sponsored by the Board of Governors of Cedars-Sinai Medical Center and the California Special Olympics. She was also on the Steering Committee for Big Sunday (a Los Angeles county-wide effort to promote volunteerism). Currently, she is a member of the Municipal Management Association of Southern California (MMASC) and serves on the Board of a charitable foundation.

## EXHIBIT C

### REFERENCES

**Organization:** Eastern Municipal Water District  
**Contact:** Joseph Kuebler                      Randy Record  
**Title:** Board President                      Director (also MWD 1<sup>st</sup> Vice Chair)  
**Telephone:** (951) 928-3777 x4235

**Organization:** Sonoma County Water Agency  
**Contact:** Valerie Brown  
**Title:** Member of the Board of Directors and  
Member of the Sonoma County Board of Supervisors  
**Telephone:** (707) 565-2241

**Organization:** Metropolitan Water District of Southern California  
**Contact:** Gilbert Ivey                      Debra Mann  
**Title:** Assistant GM/CAO                      Assistant GM/COO  
**Telephone:** (213) 217-6000

**Organization:** Long Beach Water Department  
**Contact:** Kevin Wattier  
**Title:** General Manager  
**Telephone:** (562) 570-2300

**Organization:** Castaic Lake Water Agency  
**Contact:** Dan Masnada  
**Title:** General Manager  
**Telephone:** (661) 297-1600

**Organization:** Orange County, CA  
**Contact:** Tom Mauk  
**Title:** County Executive Officer  
**Telephone:** (714) 834-5400

**EASTERN MUNICIPAL WATER DISTRICT - GENERAL MANAGER**  
[Perris, CA]



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**EASTERN MUNICIPAL WATER DISTRICT**  
**GENERAL MANAGER**

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**Perris, CA**

**ROBERTS CONSULTING GROUP INC**







# EASTERN MUNICIPAL WATER DISTRICT - GENERAL MANAGER

## [Perris, CA]

- \* **Water Supply and Reliability** – “Provide a safe and reliable supply of water at a reasonable cost.”
- \* **Collect and Treat Wastewater** – “Provide safe, reliable and cost-effective collection and treatment of wastewater.”
- \* **Sound Financial Policy** – “Manage public funds to ensure financial stability and demonstrate responsible stewardship.”
- \* **Organizational Efficiency** – “Provide services and facilities in a responsive, cost-efficient manner.”
- \* **Human Resources** – “Promote and sustain a safe, ethical and productive work environment that results in the greatest contribution from its employees toward achieving the District’s goals.”

The District’s mission is highly regulated by state, federal and local laws and is accomplished through the efforts of a workforce that is, in many cases, State certified to perform the highly specialized duties closely associated with the District’s core competencies of water, wastewater and recycled water services. This workforce is responsible for the operation, maintenance, design, inspection, testing and management of the District’s resources and projects. This workforce is supplemented with a wide range of suppliers and advisors capable of delivering essential products and services required in the effective operation of a municipal water district.

The District enjoys a stable working relationship with a workforce largely represented by a single bargaining unit – IBEW Local 1436. Supervisors and above represent themselves directly with the District’s executive management team. Employee relations are supported by a District commitment to a set of values and beliefs, employee safety, fair treatment, and equitable pay and benefits. All employee groups are organized under the General Manager within large functional groups called branches. These branches are led by a member of the executive management team. These include the Executive Branch, Operations and Maintenance Branch, Engineering Branch, and Resource Development

Branch. The Finance Department and the Customer Service Department form a designated work group led by the District’s Chief Financial Officer.

As a member agency of MWD, the District is the leading water provider for a 542 square mile service area in western Riverside County. Accomplishment of the District’s mission takes place in an environment demanding extensive management systems to fully comply with the myriad of federal, state, local and regional regulations while demonstrating the agility to effectively adapt to new regulations, changes in the local economy, environmental issues, and water usage practices and decisions impacting water supplies. Although the District has extensive water rights and as a public agency significant structural and financial advantages to remain the leading water provider in this area, all of this is predicated on the ability to maintain the public’s trust and confidence in the responsible and cost effective management of water, wastewater and recycled services. The ongoing investment in and management of state-of-the-art technologies available to the water industry, coupled with careful management and tracking of financial resources and obligations enable the workforce to effectively adapt to periods of rapid change.

## THE AREA

The District is headquartered within Riverside County in Perris, CA. The County is a multi-faceted environment of rolling hills, lakes and rivers, deserts and forests. It is also centrally located with nearby access to magnificent mountain ranges and warm sunny beaches. Located within a short drive to Southern California’s many cultural events and tourist attractions, Riverside County is an excellent alternative to the more costly and congested neighboring counties. In addition to having a reasonable cost of living, the County’s housing market continues to be among the most affordable in Southern California. Higher education facilities abound throughout the area (e.g., the University of California, Riverside).

With more than two million residents, Riverside is the sixteenth largest county in the U.S. and the fourth most populous County in California and, for more than a decade, was one of the nation’s fastest growing counties. The Eastern Municipal Water District serves about one-third of this population. The ethnic breakdown of the Inland Empire (of which Riverside County is a part) is 43% Caucasian, 42% Hispanic, 7% African American, 5% Asian and 3% other. The County spans 7,303 square miles, sharing its borders with Imperial, Orange, San Diego and San Bernardino counties.

## KEY CHALLENGES AND OPPORTUNITIES

Key challenges and opportunities facing the General Manager include:

- \*Controlling operating costs.
- \*Evaluating staff performance.
- \*Long-range planning.
- \*Adjusting water rates and stabilizing District finances.
- \*Declining connection fees due to the slow economy.
- \*Containing pension costs.
- \*Succession planning.
- \*Maintaining sufficient water supply from MWD and local sources.
- \*Cooperating with related public agencies and professional associations.





# EASTERN MUNICIPAL WATER DISTRICT - GENERAL MANAGER

[Perris, CA]

## THE POSITION

Under policy guidance from the Board of Directors, the General Manager plans, organizes, integrates, fiscally controls, directs, administers, reviews and evaluates the activities, operations and services of the District; collaborates with the Board for adoption of the District's Strategic Plan and annual business plan; ensures execution of short- and long-term goals and objectives consistent with the Strategic Plan and annual business plan; ensures District operations and functions effectively serve the needs of customers/rate payers throughout the District's service area, while complying with applicable laws and regulations; and performs related duties as assigned.

The General Manager is appointed by the Board of Directors and serves as the District's chief executive officer. He/She is accountable for developing, implementing and executing short- and long-term plans, policies, budgets and strategies to accomplish the District's mission, Strategic Plan and Board of Directors' priorities. The General Manager operates within Board policy and exercises latitude and discretion to achieve effective and efficient utilization of the District's resources in serving the District's constituencies and rate payers.

Duties and responsibilities of the position include, but are not limited to the following:

- \* Plans, organizes, controls, integrates and evaluates the work of all District branches and departments to ensure that operations and services comply with the policies and strategic direction set by the Board of Directors and with all applicable laws and regulations; with the executive management team, develops and recommends adoption of a District Strategic Plan and annual business plans; directs the development and implementation, and monitors the accomplishment of, short- and long-term plans, goals and objectives to achieve the District's mission, Strategic Plan, Board priorities and compliance with applicable laws and regulations; directs the development of operating and capital improvement budgets for approval and adoption by the Board; directs the annual rate setting and standby property tax process, and participates in public and Board hearings on proposed rates.
- \* Directs and monitors implementation of adopted budgets; directs development and implementation of the capital improvement program and all major engineering and construction projects financed by District, grant-in-aid, loan and bond issuances; directs and monitors the development, implementation and evaluation of plans, policies, systems, financial strategies and procedures to achieve short- and long-term District-wide goals, objectives and work standards.
- \* Plans and evaluates executive staff performance; establishes performance requirements and personal development targets; regularly monitors performance and provides coaching for performance improvement and development; provides compensation and other rewards to recognize performance; takes disciplinary action, up to and including termination, to address performance deficiencies, in accordance with the District's personnel rules and policies.
- \* Provides leadership and works with the executive team to develop and retain highly competent, customer-service oriented staff through selection, compensation, training and day-to-day management practices which support the District's mission, strategic plan, objectives and values.
- \* Assesses regional, industry, District service area, improvement/assessment district, community and customer needs and ensures objectives and priorities are focused on meeting those needs effectively, efficiently, and with high quality service; directs development and implementation of initiatives for service improvement/enhancement; provides day-to-day leadership and works with the District's executive team to ensure a high performance, customer service oriented work environment consistent with sound management principles and District mission and values.
- \* Assists the Board by overseeing the preparation of analyses and recommendations regarding policy issues and long-range plans to address District service area needs; makes recommendations to the Board of Directors regarding policy issues to meet community and customer needs; assists the Board of Directors in identifying, articulating and implementing policies and programs.
- \* Receives Board of Director instructions and requests; makes interpretations of District ordinances, policies and applicable laws and regulations to ensure District compliance.
- \* Directs and oversees the analysis of proposed legislation and regulation; in conjunction with the Board, directs and participates in industry and intergovernmental activities to influence legislative and regulatory change consistent with the District's interests and needs; works as a team with the Board in dealings with constituent cities in the District's service area, MWD and with other industry and governmental agencies, professional organizations and elected officials.
- \* Directs and oversees the creation and maintenance of comprehensive, effective human resource management programs, policies and systems; directs and monitors the District's labor relations, labor negotiations and labor-management relations programs and initiatives; directs the improvement of management systems, processes and measurement techniques to improve District operations and effectiveness; directs the development and implementation of a long-range technology plan.
- \* Participates in regional, state and national water and water reclamation meetings and conferences to stay abreast of trends and technology related to District operations. Participates in professional and community organizations on behalf of the District and as part of the District's community involvement and public affairs programs and activities.



The position is open due to the forthcoming retirement of the incumbent after 20 years with the District.



# EASTERN MUNICIPAL WATER DISTRICT - GENERAL MANAGER

[Perris, CA]

## THE CANDIDATE

### Education and Experience

- \* A typical way of obtaining the knowledge, skills and abilities listed below is graduation from a four-year college or university with a major in civil engineering, public or business administration, or a closely related field; and at least ten years of progressively responsible executive or management experience in the operation and maintenance of a large, complex public utility; or an equivalent combination of training and experience.
- \* The ideal candidate will have a generalist background with a master's degree in public administration, business administration, civil engineering or a related field, along with 20 or more years of relevant experience.
- \* A stable employment history is important. The Board envisions the selected candidate remaining in the position for at least ten years.
- \* Candidates from all geographic areas will be considered, although California experience would be a plus.
- \* While public sector experience is important, a combination of public and private sector experience would be ideal.

### Knowledge, Skills and Abilities

The selected candidate should have knowledge of:

- \* Theory, principles, practices and techniques of organization design and development, public administration, public financing, financial management and long-range planning as they apply to a large, complex public water and water reclamation utility.
- \* Principles, practices and techniques involved in the construction, maintenance and operation of a large, complex potable water distribution and water reclamation system.
- \* Federal, state and local laws, regulations and court decisions applicable to a water distribution and reclamation system.
- \* District functions and associated management, financial and public policy issues.
- \* Principles and practices of budgeting, purchasing and maintenance of public records.
- \* Organization and functions of an elected board of directors.
- \* The Brown Act and other laws and regulations governing the conduct of public meetings.
- \* Social, political and environmental issues influencing program/project development and implementation.
- \* Research methods and analysis techniques.
- \* Principles and practices of effective human resource management and supervision.
- \* District personnel rules, policies and labor contract provisions.
- \* Principles and practices of sound business communications.

In addition, he/she should be able to:

- \* Establish and maintain effective working relationships with Board members, District executives and managers, other elected and appointed governmental officials, industry and business executives, professional and community groups, consultants, developers, employees, media representatives and the public.
- \* Analyze and make sound recommendations on complex management and administrative issues.
- \* Plan, organize and direct the operations of a large, complex water distribution and water reclamation system.
- \* Understand, interpret, explain and apply District policy and procedures.
- \* Present proposals and recommendations clearly, logically and persuasively in public meetings.
- \* Represent the District effectively in negotiations.
- \* Establish and ensure compliance with appropriate procedures and controls.
- \* Prepare clear, concise and comprehensive correspondence, reports and other written materials.
- \* Exercise sound, expert independent judgment within broad general policy guidelines.
- \* Exercise tact and diplomacy in dealing with sensitive, complex and confidential issues and situations.





# EASTERN MUNICIPAL WATER DISTRICT - GENERAL MANAGER

## [Perris, CA]

### Management Style and Personal Traits

The ideal candidate will be a take charge leader who is fiscally conservative, open and transparent, and willing to accept responsibility. He/She should be team oriented; encourage staff input; delegate, yet monitor the work of subordinates; and be someone who frequently gets out of his/her office to observe District operations first-hand. The General Manager should keep the Board fully informed in a timely and accurate manner (no surprises), be responsive to their requests, and follow-up in a timely manner. In addition, he/she should interact with tact, diplomacy and political acumen.

The General Manager should have good presentation skills (clear and concise) and be articulate, confident, assertive and decisive. He/She should have vision, "see the big picture" and think "outside of the box", as well as be innovative, entrepreneurial, and intelligent (a quick study). Finally, this person should be mature, a good listener, politically aware, credible, and have a sense of humor.



### COMPENSATION

The salary for this position is highly competitive, with hiring dependent upon the qualifications and experience of the selected candidate. In addition, the General Manager is eligible for a performance bonus. Benefits are provided which include: vacation, holidays and sick leave; medical insurance (choice of several plans; District contributions cover most of the premiums; cash may be received in lieu of insurance with proof of other coverage); dental insurance (Delta Dental, with premiums paid by the District); vision insurance (United Healthcare Vision Plan, with premiums for the employee paid by the District); group life insurance (District-paid equal to the employee's annual salary up to \$150,000; additional insurance up to \$50,000 available with District and employee each paying half); for employees hired on or after 11/4/10, retirement through the Public Employees Retirement System (PERS) is 2% at 55 (District pays 3% of employee's contribution and employees pay the additional 4%; employees who become members of PERS on or after 7/1/96 are subject to a compensation limit of \$150,000 per year for benefit calculation purposes); in lieu of Social Security, the District contributes 7.15% of the employee's first \$16,500 of salary each year into each employee's individual 401(a) Security Trust Fund; credit union; voluntary deferred compensation; tuition assistance; and an automobile allowance of \$650 per month. The District is required to collect Medicare tax equal to 1.45% of an employee's total gross earning.

### HOW TO APPLY

Send resumes (email preferred) by March 28, 2011 to:

#### ROBERTS CONSULTING GROUP INC

PO Box 16692  
Beverly Hills, CA 90209  
Telephone: (818) 783-7752  
Facsimile: (818) 783-6377  
Email: robertsrcg@msn.com

*Equal Opportunity/ADA Employer*

*Female, Minority and Disabled Candidates are Encouraged to Apply*

Additional information about the Eastern Municipal Water District can be found on their website at [www.emwd.org](http://www.emwd.org).



**GENERAL MANAGER – SONOMA COUNTY WATER AGENCY**  
[Santa Rosa, CA]



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**GENERAL MANAGER**

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**Sonoma County Water Agency**  
(Santa Rosa, CA)

**ROBERTS CONSULTING GROUP INC**



# GENERAL MANAGER – SONOMA COUNTY WATER AGENCY

## [Santa Rosa, CA]

### THE AREA

Sonoma County is conveniently located less than 30 miles north of San Francisco. It boasts over 200 award-winning wineries, scenic coastline and beaches, the winding Russian River, majestic redwoods, 21 challenging golf courses, museums, galleries, diverse festivals, fine dining, and charming inns and spas. The County encompasses over one million acres of land and water, rich in scenic beauty with an array of parks, recreational facilities, campsites and lakes. Open space and agricultural land account for a great majority of Sonoma County acreage.

Fueled by job growth and quality of life, Sonoma County has continued a modest growth rate, having reached nearly 500,000 residents. A majority of these residents (69%) live within the city limits of the County's nine cities. They are, in order of population: Santa Rosa (the County seat), Petaluma, Rohnert Park, Windsor, Healdsburg, Sonoma, Cloverdale, Sebastopol and Cotati. 67.8% of the population is Caucasian, with 23.5% Hispanic, 3.7% Asian, 1.6% African American, .9% American Indian and 2.5 percent Other.

The County's economy is extremely diverse, relying on agriculture, tourism, manufacturing, services and high technology industries. Agriculture (including wine grapes and livestock/poultry) and tourism are two of the major drivers of the Sonoma County economy. The tourism industry generates over \$1 billion annually, with more than seven million visitors each year. Unemployment rates for Sonoma County have increased since 2005, yet the County has consistently maintained a level lower than the California average.

While home prices reflect the value of living in an area that offers an abundance of amenities, the prices of Sonoma County homes remain one of the last true real estate bargains in the greater Bay Area. There are 40 K-12 school districts in the County. Over 71,000 students attend the 179 public schools that are located in Sonoma County. Higher education opportunities are available at Santa Rosa Junior College and Sonoma State University, among other institutions. Healthcare resources include Sutter Medical Center of Santa Rosa, St. Joseph Health System, and Kaiser-Permanente, in addition to others.

### THE AGENCY

The Sonoma County Water Agency is a special district formed by the California State legislature in 1949 and is responsible for providing a safe and reliable water supply to its customers in Sonoma and Marin counties. The Agency also maintains 300 miles of flood control channels and provides sanitation services. With a FY 2010-11 budget of approximately \$185 million, the Agency employs about 200 staff and consists of five divisions, including: Engineering and Resource Planning, Environmental Resources and Public Affairs, Operations, Maintenance, and Administrative Services. The Agency supports the concept of environmental sustainability, focusing on renewable power sources, and strives to be a leader in its water conservation and fishery restoration programs.

"The mission of the Sonoma County Water Agency is to effectively manage the resources in our care for the benefit of people and the environment through resource and environmental stewardship, technical innovation and responsible fiscal management." Their vision statement is "The Sonoma County Water Agency is a regional leader in water resources management. The Water Agency strives to look forward, beyond today's issues, to anticipate ways to advance its mission. Additionally, the Water Agency continues to adapt its mission in response to changing opportunities, keeping the Water Agency at the forefront of developments in the water industry."

The four core functions of the Agency are water supply, water transmission, flood control, and wastewater collection and treatment. As a wholesale water supplier, the Agency is responsible for securing and maintaining

water rights and encouraging water conservation and reuse to meet the present and future reasonable demands of its customers. The Agency's water transmission system provides for wholesale domestic water delivery to eight primary contractors (the cities of Santa Rosa, Petaluma, Sonoma, Rohnert Park and Cotati; Town of Windsor; Valley of the Moon Water District; and North Marin Water District), the Marin Municipal Water District, and other smaller customers, who in turn deliver drinking water to more than 600,000 residents. For flood control, the Agency designs, constructs and maintains certain flood control facilities. The Agency provides sanitation functions to county sanitation districts and Agency zones.

The Sonoma County Board of Supervisors acts as the Water Agency's Board of Directors. The five members of the Board are elected by district, on a non-partisan basis, for four-year staggered terms. In addition, the Water Advisory Committee (WAC) represents the eight major cities and water districts that receive water delivered by the Water Agency aqueduct system. The Committee helps make decisions regarding water supply issues in the Water Agency's service area. Members of the WAC are eight elected officials, each appointed by their respective Council or Board.

### KEY CHALLENGES AND OPPORTUNITIES

The Water Agency and its contractors face big challenges, including:

- \* An economic downturn that has impacted residents' ability and willingness to pay higher water rates.
- \* Aging infrastructure, located in a seismically active region, that will require new projects to increase the reliability of water deliveries.
- \* A federal mandate to change the way the Agency does business in order to help save endangered Coho salmon and threatened Steelhead.
- \* Uncertain water supply conditions, including the effects of climate change on both the amount and timing of rainfall.
- \* Increasing costs of energy and increasing energy demand.





# GENERAL MANAGER – SONOMA COUNTY WATER AGENCY

[Santa Rosa, CA]

The Water Agency and water contractors have already taken some steps to meet these challenges: individuals are conserving water; the use of recycled water has increased; new sources of water are being explored; and the Water Agency and its contractors are continually improving operations. While these are good steps, they are not enough. That is why the Water Agency Board of Directors held a workshop that focused on strategies to ensure future water supply and to increase the reliability of regional water. Below are nine strategies outlined in the draft Water Supply Strategy Action Plan:

- \* Address Dry Creek summer flows.
- \* Modify operation of the Russian River system.
- \* Evaluate potential climate change impacts on water supply and flood protection.
- \* Pursue combined water supply and flood control projects.
- \* Work with stakeholders to promote sound, information-based water supply planning programs.
- \* Improve transmission system reliability.
- \* Take advantage of energy and water synergies.
- \* Implement integrated water management.
- \* Overcome organizational fragmentation to promote efficiency of water system operations and planning.

In addition to maintaining relationships with current contractors (including rate structures), among the concerns facing the Agency are the economy, water supply shortages, and compliance with the recent Russian River Biological Opinion. The State of California and local governments are facing unprecedented budget shortfalls. There is potential that the Agency's sole source of funding for flood protection activities may be borrowed by the State to address its deficit. Were this to occur, the Agency would work through legislative channels to seek a plan to mitigate this loss.

Consecutive dry spring conditions and large reductions in releases from the Potter Valley Project into the East Fork Russian River/Lake Mendocino have impacted the amount of water stored in Lake Mendocino in recent years, though this has been mitigated by better rainfall this past spring. Because of the potential for these drought conditions to return, the Agency must reduce the amount of water supplied from the Russian River to its customers. These delivery reductions coincide with the need to perform several new projects and studies associated with the final Russian River Biological Opinion issued by the National Marine Fisheries Service for Steelhead trout, Coho salmon and Chinook salmon in the Russian River watershed. Meeting the requirements of the Biological Opinion while maintaining adequate water delivery is a significant issue for the Agency.

The Agency has been working to reduce operational expenses, particularly with respect to the Water Transmission System, because of an anticipated reduction of water sales income. Most of the costs for operations of the Water Transmission System are fixed, therefore larger than normal rate increases are necessary to fund routine operations and maintenance activities, existing debt service, and actions required to comply with the Biological Opinion.

The Agency also needs to work with its stakeholders on long term water supply planning, and continue actions to reduce greenhouse gas emissions.

The Agency's Board of Directors approved a Strategic Priorities Plan in 2007, identifying nine priorities. Many of these priorities represent multi-year efforts and will extend into future fiscal years. These priorities include:



- \* Assist customers to meet their water supply needs.
- \* Address impacts on listed salmonid species.
- \* Protect water quality and improve the reliability of the water transmission system.
- \* Improve the Agency's business efficiency and effectiveness.
- \* Lead development of regional sustainability programs and water resource partnerships.
- \* Conduct stream maintenance and provide funding for drainage, storm water quality and stream habitat enhancement in flood control zones.
- \* Improve public understanding of the Agency and Agency programs.
- \* Address critical infrastructure needs for sanitation systems.
- \* Improve employee recruitment and retention.

Specific FY 2010-11 Water Agency objectives include:

- \* Continue planning and implementation of the Biological Opinion. Specific projects for the year include the Mirabel fish screen replacement, design of pilot mitigation measures in Dry Creek, monitoring of water quality in the estuary, implementation of temporary streamflow changes, and initiation of environmental analyses required to process BO-mandated permanent streamflow changes.



# GENERAL MANAGER – SONOMA COUNTY WATER AGENCY

## [Santa Rosa, CA]

- \* Become ISO 14000 and ISO 9001 registered. Complete the necessary improvements in procedures so that ISO registration can be achieved.
- \* Work with water contractors to develop the strategies and implementation plans necessary to assure a reliable, sustainable, economical and diversified water supply for the future.
- \* Complete work on the 2010 Urban Water Management Plan by December 2010.
- \* Complete the development of long term financial plans for each of the Agency's enterprises to help ensure sufficient resources are available to carry out strategic projects while maintaining adequate levels of fund balance reserves.
- \* Complete the tenant improvements to the operations building at 1315 Aviation Blvd. and move to a single campus which will allow for significantly better internal communications and more efficient overall operations.
- \* Provides leadership and administrative policy direction; coordinates administration of all Agency divisions; evaluates performance of subordinate managers; conducts meetings and conferences with Agency staff; advises the Board of Supervisors regularly of water, wastewater, flood control and conservation issues.
- \* Establishes and maintains effective communication and working relationships with related County departments and key officials of federal, state and local agencies.
- \* Directs the research, analysis and formulation of the Agency budget; determines departmental budget priorities; prepares and justifies program and budget recommendations to the County Administrator and the Board of Supervisors; ensures that budget expenditures are properly controlled.
- \* Establishes and evaluates monitoring and evaluation systems; establishes measurable standards for reviewing the success of the plan and the new water, wastewater and flood control systems and services.

### THE POSITION

Subject to determination of policy by the Board of Directors and the County Administrator, the General Manager plans, organizes, directs and coordinates all activities and functions of the Sonoma County Water Agency in relation to the management and conservation of water resources and reclamation, and performs related duties as required.

The Water Agency General Manager is the principal administrative person in overall charge of the Agency. He/She is in a position of trust and confidence, and serves as the Agency head and appointing authority for all employees in the Agency. This person provides advice and consultation on all matters related to the requirements of the Agency and in all matters relating to water, sanitation, recycling, conservation, environmental affairs and flood control.

The General Manager serves at the will and pleasure of the Agency Board of Directors. Typical duties of the position include, but are not limited to:

- \* Interviews and selects top management staff; reviews and approves staff training programs; recommends changes in position classification consistent with organizational structure; evaluates the performance of subordinate managers; approves or disapproves merit salary increases; adjusts employee grievances within limits of delegated authority, has authority to hire and discharge in the Water Agency; delegates authority and holds subordinate managers accountable for the efficient administration of their divisions or sections.
- \* Develops a program to monitor and manage stream flows in the Russian River and consideration for all beneficial uses; ensures future water planning and modeling of water availability and usage for resource management purposes.
- \* Negotiates contracts with other agencies for intake, treatment, storage, transmission and resale of water.
- \* Directs and coordinates preparation of rate schedules for the resale of water delivered to other agencies and customers; directs and coordinates preparation of rate schedules for the collection, treatment, storage and disposal of wastewater, and the reuse of reclaimed water for customers served by the Agency.





# GENERAL MANAGER – SONOMA COUNTY WATER AGENCY

## [Santa Rosa, CA]



- \* Directs and coordinates the preparation and administration of the Agency budget; reviews and evaluates current programs, anticipates future needs, and formulates long range goals of the Agency.
- \* Consults with legal counsel concerning matters of litigation, contracts and Agency operations; monitors legislation at the federal, state and local levels; directs and coordinates changes required by new legislations.
- \* Plans and directs the selection, training, assignment, supervision and evaluation of employees; plans and directs Agency employees in areas of financial and program management.
- \* Coordinates planning and other activities of the Agency with those of other public agencies and various County departments.
- \* Coordinates preparation and release to the media of information related to the programs and services of the Water Agency.
- \* Advises the Board of Supervisors and the County Administrator of any changes in State laws or regulations that will have an impact on the delivery of water, wastewater, flood control and reclamation services; provides the Board of Supervisors and the County Administrator with specific plans, costs and recommendations needed to meet legal requirements.
- \* Confers with and advises citizen groups, advisory bodies and others concerned with Agency programs and activities; represents the Agency and speaks before public bodies, groups, organizations and the public on matters pertaining to Agency programs and activities; and attends conferences and seminars to keep informed of new developments and technologies.
- \* Directs the preparation of a wide variety of plans and reports, and maintenance of Agency records and documents.

## THE CANDIDATE

### Education and Experience

- \* Any combination of education and training which would provide the opportunity to acquire the knowledge and abilities listed would be qualifying. A typical way to achieve this would be through graduation from an accredited college or university, with a bachelor's degree in engineering, public administration, business administration, environmental studies, geography, economics, physical and biological sciences, or a closely related field. A degree in civil engineering is desirable, although not a requirement.
- \* Candidates should have extensive administrative and management experience, which would provide an opportunity to acquire the knowledge

and abilities listed. Normally this would include six years of professional management experience in a large public agency including water, wastewater, city or county government. Responsibility for the development and implementation of complex public works/utility projects, programs, goals, policies and strategies is highly desired.

- \* California experience, as well as experience with a water wholesaler, would be a plus.
- \* Possession of a valid certification of registration as a Professional Engineer issued by the State Board of Registration for Civil and Professional Engineers is highly desired.
- \* Possession of a valid driver's license at the appropriate level including special endorsements, as required by the State of California, may be required depending upon assignment to perform the essential job functions of the position.

### Knowledge, Skills and Abilities

It is important for the selected candidate to have excellent interpersonal skills, both oral and written communication skills, and be a team builder. He/She should have extensive knowledge of the principles and practices of water, wastewater and water resources management and administration; and the political attitudes and concerns surrounding water and wastewater conservation, control and utilization; as well as thorough knowledge of:

- \* Laws, regulations and legal opinions relating to water rights, water supply and transmission activities, water quality, environmental activities, wastewater and water reuse activities, and flood and drainage control activities.
- \* Economics and infrastructure financing of domestic water supply and transmission systems, sanitation systems, reclamation and flood control systems.
- \* The principles and practices of public works administration and organization including personnel and fiscal management.
- \* Working knowledge of budgetary practices and procedures.

This person should also be able to:

- \* Plan, organize and coordinate the activities of an agency with diverse major ongoing program responsibilities.
- \* Establish and maintain harmonious working relationships with subordinates, representatives of other County departments, public agencies, private contractors, engineers, architects and the general public.
- \* Plan, organize and coordinate the activities of a large department of highly specialized professional and technical employees.





# GENERAL MANAGER – SONOMA COUNTY WATER AGENCY

## [Santa Rosa, CA]

- \* Interpret, explain and apply applicable laws, rules, regulations, ordinances and federal, state and local legislation.
- \* Prepare and direct the preparation of simple, concise and comprehensive written reports and oral presentations containing alternate solutions and recommendations regarding specific resources, plans and policies.
- \* Provide effective leadership in the development of new or improved procedures and policies.
- \* Evaluate departmental policies and procedures.
- \* Define problem areas, and direct the implementation of policy decisions and practices to improve department operations.
- \* Exercise initiative, ingenuity and sound judgment in solving difficult administrative, economic, technical and personnel problems.
- \* Serve as technical advisor to public officials, boards and the general public on water resources, sanitation and flood control matters.
- \* Analyze and review staff reports and recommendations, and provide constructive criticism.
- \* Effectively interview, select, train, supervise and evaluate subordinate managers.
- \* Supervise and control the expenditure of funds and resources for the Agency.
- \* Dental Plan – Excellent family coverage for Employee and dependents at a minimal employee premium of \$13 bi-weekly.
- \* Vision Care, Disability Insurance and Life Insurance (two times annual salary) – County pays full costs of premiums.
- \* Comprehensive Medical Examination – Department Heads are eligible to receive an annual comprehensive medical examination paid by the County.
- \* Cash Allowance – A cash allowance of approximately \$600 per month is paid to each employee.
- \* IRS Section 125 Plan Benefits – The County provides an IRS 125 plan that allows employees to pay for child care and medical care on a pre-tax basis. Additionally, all employee's costs for medical and dental are paid on a pre-tax basis via the premium conversion benefit in the 125 plan.
- \* Retirement – County Retirement Act of 1937 with 3% @ 60 formula. Fully integrated with Social Security.
- \* Deferred Compensation – County contribution of 5% of salary to an IRS 401(a) deferred compensation account. The County's 401(a) contribution is included in the employee earnings for the 1937 Act retirement compensation base. Employee may also contribute on a pre-tax basis to an IRS 457 plan up to the IRS annual maximum.
- \* Retiree Medical Benefit – The County contributes into a Health Reimbursement Arrangement for the employee while employed to fund post employment Retiree Health Benefits.
- \* Vehicle Allowance - \$215 per pay period.

### Management Style and Personal Traits

The ideal candidate will be collaborative, a consensus builder, encourage participative decision-making, and delegate, yet monitor staff performance (not a micro-manager). He/She should excel at selecting and motivating subordinate staff. This person should be a team player who works well with contractors and other agencies, should be able to multi-task, and be willing to take reasonable risks. In addition, he/she should treat all Board members evenhandedly and keep the Board fully informed in a timely manner.

The selected candidate should be a leader who can articulate a vision for the Agency, "see the big picture," be politically savvy and able to work effectively with local, state and federal officials, as well as appointees of funding and regulatory agencies. He/She should be intelligent, innovative, confident and have a professional presence. Finally, this person should be patient, a good listener and have a sense of humor.

### COMPENSATION

The annualized salary range for this position is \$175,902 to \$213,804, with hiring dependent upon the qualifications and experience of the selected candidate. In addition, management benefits are provided which typically include:

- \* Vacation – Accrual of 15 days annually for the first ten years; up to 24 days annually based on length of service. An additional 7.5 days (60 hours) of management leave annually which may be taken as time off or cash payments.
- \* Holidays – County observes 11 holidays per year plus 17 hours of "floating" holiday hours.
- \* Sick Leave – Accrual of 12 days annually with no limit on accumulation. Employees are paid 25% of accumulated sick leave upon voluntary separation or 100% credit at retirement.
- \* Health Plan – Choice of three health plans (one PPO and two HMO) with the County contribution of approximately \$500 per month.

- \* Professional Development Funds – Reimbursement up to \$950 per fiscal year for job related activities such as periodicals and training materials, professional dues and memberships, and purchase of professional literature. An additional \$300 allowance is available for reimbursement of certain taxable expenses, such as physical fitness. (Note: Due to budget issues, all professional development funds are currently suspended through FY 2010/11.)
- \* Relocation Reimbursement Programs – Reimbursement for household relocation is available.

Due to ongoing fiscal issues, the County of Sonoma has implemented a Mandatory Time Off Program for FY 2010-11 and FY 2011-12 of eight days and five days respectively. Details of the program are available upon request.

### HOW TO APPLY

Send resumes by **December 15, 2010 (email preferred)** to:

#### ROBERTS CONSULTING GROUP INC

PO Box 16692  
Beverly Hills, CA 90209  
Telephone: (818) 783-7752  
Facsimile: (818) 783-6377  
Email: robertsrcg@msn.com

*Equal Opportunity/ADA Employer*

Additional information about the Sonoma County Water Agency can be found on their website at [www.scwa.ca.gov](http://www.scwa.ca.gov).

