

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

April 23, 2012

PLEDGE OF ALLEGIANCE

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

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

NOTICE

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

COMMUNICATIONS TO THE BOARD

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

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

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

WORKSHOP

Next Resolution No. 2012-18

3. **PROPOSED OPERATING BUDGET AND RATES AND CHARGES FOR FISCAL YEAR 2012-13**

Recommendation: That the Board adopt the following Resolution by title approving the District's Operating Budget for Fiscal Year 2012-13 (with Rates and Charges for Fiscal Year 2012-13 to be adopted on June 25, 2012); and approve the Proposition 218 Notices subject to non-substantive modifications.

Reso No. 2018-

4. **RETIREMENT STUDY – ALTERNATIVES EVALUATION**

Recommendation: That the Board review and provide direction regarding its preferred alternative for existing employees retirement benefits based on Aon Hewitt's supplemental financial projections and modeling for the District's CalPERS pension program.

CONSENT CALENDAR	Next Resolution No. 2012-18	Items 5-11
5. <u>MINUTES OF REGULAR BOARD MEETING</u> Recommendation: That the minutes April 9, 2012 Regular Board Meeting be approved as presented.		
6. <u>RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND EVENTS</u> Recommendation: That the Board ratify/approve the meetings and events for Steven LaMar, Mary Aileen Matheis, Douglas Reinhart, Peer Swan and John Withers.		
7. <u>MARCH 2012 FINANCIAL REPORTS</u> Recommendation: That the Board receive and file the Treasurer's Investment Summary Report and the Monthly Interest Rate Swap Summary for March 2012; approve the March 2012 Summary of Payroll ACH payments in the total amount of \$1,376,566.20, and approve the March 2012 Accounts Payable Disbursement Summary of Warrants Nos. 327968 through 328835, workers' compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$21,061,870.07.		
8. <u>DISTRICT STRATEGIC MEASURES DASHBOARDS</u> Recommendation: That the Board receive and file the Strategic Measures Dashboards and Information items.		
9. <u>FISCAL YEAR 2011-12 MANHOLE REHABILITATION PROJECT – CONSTRUCTION AWARD</u> Recommendation: That the Board authorize the General Manager to execute a construction contract with Zebron Contracting, Inc., in the amount of \$192,500 for the Fiscal Year 2011-12 manhole rehabilitation project 20922 (1175).		
10. <u>MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION AND FLOOD PROTECTION IMPROVEMENTS VARIANCE NO. 2</u> Recommendation: That the Board authorize the a General Manager to execute Variance No. 2 with Harper and Associates in the amount of \$34,170 for supplemental coating inspection and engineering services associated with the MWRP Phase 2 Expansion, projects 20214 (1599) and 30214 (1706).		

CONSENT CALENDAR

Items 5-11

11. TUSTIN LEGACY DEVELOPMENT REIMBURSEMENT AGREEMENT WITH CITY OF TUSTIN

Recommendation: That the Board authorize a budget increase for the Legacy Park Tustin Ranch Road Project 11379 (3786) in the amount of \$259,400, from \$686,700 to \$946,100; for project 21379 (3787) in the amount of \$337,700, from \$703,300 to \$1,041,000; and for project 31379 (3788) in the amount of \$271,200, from \$884,600 to \$1,155,800; approve Expenditure Authorizations for project 11379 in the amount of \$259,400, project 21379 in the amount of \$337,700, and project 31379 in the amount of \$271,200; and authorize the General Manager to execute a Reimbursement Agreement with the City of Tustin for the design and construction of IRWD Capital Facilities on the Tustin Legacy development.

ACTION CALENDAR

12. NEWPORT BOULEVARD DOMESTIC WATER MAIN RELOCATION CONTRACT CHANGE ORDER

Recommendation: That the Board authorize a budget increase for project 10822 (1866) by \$420,000, from \$4,859,500 to \$5,279,500; approve an Expenditure Authorization in the amount of \$420,000; and approve Contract Change Order No. 1 in the amount of \$376,501 with Sully Miller Contracting Company for the Newport Boulevard Domestic Water Main Relocation, project 10822 (1866).

13. SYPHON RESERVOIR INTERIM IMPROVEMENTS BUDGET ADDITION, EXPENDITURE AUTHORIZATION, AND CONSULTANT SELECTION

Recommendation: That the Board authorize the addition of project 30374 (3729) to the Fiscal Year 2011-12 Capital Budget in the amount of \$1,399,800; approve an Expenditure Authorization in the amount of \$239,500; and authorize the General Manager to execute a Professional Services Agreement in the amount of \$170,000 with URS Corporation for the Syphon Reservoir interim improvements, project 30374 (3729).

14. ASSET OPTIMIZATION – LAKE FOREST PROPERTY SERRANO SUMMIT FINAL MAP CONSULTANT SELECTION

Recommendation: That the Board approve the retention of Lewis Operating Group to manage the final map process for the Serrano Summit Project and authorize the General Manager to execute a Professional Services Agreement not to exceed \$257,000.

OTHER BUSINESS

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

15. A. General Manager's Report

B. Directors' Comments

- 1)
- 2)
- 3)
- 4)
- 5)

C. Adjourn

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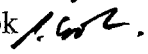
Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the Irvine Ranch Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board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

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

April 23, 2012

Prepared by: Christopher Smithson

Submitted by: Debby Cherney

Approved by: Paul Cook 



WORKSHOP

PROPOSED OPERATING BUDGET AND RATES AND CHARGES FOR FY 2012-13

SUMMARY:

The proposed Fiscal Year (FY) 2012-13 Operating Budget is \$111.1 million, representing an increase of \$3.6 million, or 3.4%, over FY 2011-12. One significant change from the April 9, 2012 Board presentation is Metropolitan Water District of Southern California (Met) reduced its proposed increase from 9.3% on its tier 1 rate to approximately 6.6% thus reducing the projected costs for imported water.

In developing the Operating Budget for FY 2012-13, a number of factors were addressed:

- Rate increases from outside agencies such as Met and increases in the costs of energy and chemicals;
- Increases in labor costs to hire additional personnel into the operations groups to operate the expanded Michelson Water Recycling Plant and the new Wells 21 and 22 Desalter Plant, as well as increases in other areas (some of which are partially offset by reductions in temporary labor costs and overtime);
- Increases in IRWD's costs to treat wastewater and biosolids at the Orange County Sanitation District; and
- Increases to the District's planned contributions to CalPERS as a result of the actuarial analyses and independent retirement benefits study in order to address the current unfunded liability.

The goal of the District's budgeting process remains to fund the resources required to provide services to the District's customers as cost-efficiently as possible. Over the past two years, the District's operating budget has decreased slightly by aggressively pursuing reductions in expenses to offset uncontrollable expenses such as pass-through rate increases from outside agencies on which the District depends for the purchase of water and the treatment of wastewater and biosolids. With significant additional capital facilities coming online in FY 2012-13, the increases in the operating budget reflect additional expenses associated with operating those facilities.

Rate increases are necessary to fund anticipated shortfalls in both the water and sewer/recycled water systems. In the Irvine and Orange Park Acres rate areas, the proposed adjustment to the base commodity rate is \$0.02 per ccf, with a \$0.55 increase in the fixed water service charge. In the Los Alisos rate area, because of its dependence on imported water, the reduced rate increase from Met will reduce staff's proposed increase by \$0.01 per ccf. The significant cost increase expected from the Met will result in a proposed adjustment to the base commodity rate of \$0.09 per ccf, with no increase on the fixed charge for most residential meter sizes. The proposed increase to the uniform sewer fixed charge is \$0.30 per month. More detailed rate information is described below and in the staff report, attached as Exhibit "A".

BACKGROUND:

The Staff Report (Exhibit "A") includes the following:

- Projected revenues and expenses, along with the resulting net position in each rate area by system;
- Changes to current rates and charges necessary to meet each operating system's revenue requirements;
- An update of the correlation between the District's rate tiers and their attendant costs, in order to maintain alignment with Proposition 218 requirements.

The Proposed Operating Budget is attached as Exhibit "B". The budget has been reorganized this year into the five major functional areas, plus separate sections for proposed labor changes and proposed general plant purchases. In addition to the traditional analysis of expected expenditures, there are two notable changes to the employee benefits budget. First, directly allocable benefits have been included in the department-specific budgets (as a percentage of payroll) rather than aggregated in the Human Resources Department budget under "Benefits." These include costs for Medicare and state unemployment taxes as well as the District's anticipated contributions to CalPERS and to the 401(a) deferred compensation programs. Second, the costs associated with the District's annual contribution to CalPERS are now shown as two components: the "PERS Employer Portion" addresses the annual contribution rate established by CalPERS (16.1% for FY 2011/12) and the "PERS In Excess of ARC" addresses the additional funds directed by the Board to fund the District's long-term pension liability.

Exhibit "C" identifies the effects of the proposed rate increases on typical residential customers within the Irvine Ranch, Los Alisos, and Orange Park Acres rate areas. In the Orange Park Acres Rate Area, the increase in the water rates and fixed service charges for these customers is indexed to the changes in the Irvine Ranch Rate Area, as stipulated in the Acquisition and Annexation Agreement.

Attached as Exhibit "D" are the proposed Proposition 218 notices for the Irvine, Los Alisos and Orange Park Acres rate areas.

Exhibit "E" is the proposed resolution approving the Operating Budget for FY 2012-13. Staff recommends its approval.

Proposed Schedule for Budget and Rate Adoption:

April 23, 2012	<i>Second Board Workshop to adopt the Proposed Operating Budget and Proposed Rates and Charges for FY 2012-13; Approval of Proposition 218 Notices for Customers</i>
May 8-10, 2012	Mail the Proposition 218 Notices to customers
June 25, 2012	Adopt Rates and Charges for FY 2012-13

FISCAL IMPACTS:

Planned operating expenses in the Proposed Operating Budget reflect an increase of \$3.6 million from the adopted Operating Budget for FY 2011-12. The proposed rate increases will result in a contribution to the replacement and enhancement capital funds of approximately \$3.8 million and \$11.0 million for water and sewer, respectively. The treated water and sewer/recycled systems are planned to break even during FY 2012-13.

COMMITTEE STATUS:

This item was reviewed by the Finance and Personnel Committee on April 2, 2012. The Committee previously reviewed the Budget assumptions and certain personnel matters in a Special Finance and Personnel Committee meeting on March 21, 2012.

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.

RECOMMENDATION:

THAT THE BOARD ADOPT THE FOLLOWING RESOLUTION BY TITLE APPROVING THE OPERATING BUDGET FOR FISCAL YEAR 2012-13 (WITH RATES AND CHARGES FOR FISCAL YEAR 2012-13 TO BE ADOPTED ON JUNE 25, 2012); AND APPROVE THE PROPOSITION 218 NOTICES SUBJECT TO NON-SUBSTANTIVE MODIFICATIONS.

RESOLUTION NO. 2012 –

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT,
ORANGE COUNTY, CALIFORNIA
APPROVING DISTRICT'S OPERATING BUDGET FOR
FISCAL YEAR 2012-13 AND DETERMINING COMPLIANCE WITH
ARTICLE XIII B OF THE CALIFORNIA CONSTITUTION

LIST OF EXHIBITS:

Exhibit "A" – Staff Report

Exhibit "B" – Proposed Operating Budget Draft for Fiscal Year 2012-13

Exhibit "C" – Selected Comparison of Current and Proposed Rates FY 2012-13

Exhibit "D" – Proposed Proposition 218 Notices

Exhibit "E" – Resolution

EXHIBIT "A"

STAFF REPORT

This staff report provides a discussion of the following areas in support of the District's Proposed Operating Budget for FY 2012-13:

- Projected revenues and expenses and resulting net position in each rate area by system;
- Proposed increases to current rates and charges necessary to meet each operating system's revenue requirements, as well as projected funding from rates and charges for both the Replacement Fund and Enhancement Fund; and
- An analysis correlating the upper tiers of the District's rate structure and their attendant costs, as required by Proposition 218 requirements.

PROPOSED OPERATING BUDGET

During the March 21, 2012 Special Finance and Personnel Committee meeting, staff presented the preliminary draft of the FY 2012-13 Operating Budget for review and input by the Committee. Staff reviewed the major areas reflecting changes from the FY 2011-12 operating budget. All of the Committee's comments have been incorporated into the Staff Report and the Proposed Operating Budget in Exhibit "B". The budget has been updated based on actions taken by the Metropolitan Water District (MWD) and the Orange County Water District (OCWD) and these are discussed in more detail when addressing water purchases.

Projected Revenue:

Estimated potable, untreated, sewer, and recycled water system revenues are projected to be \$109.0 million for FY 2012-13 prior to any potential rate adjustments that may be implemented by the Board. This represents a \$0.6 million decrease from FY 2011-12 operating budget revenues, reflecting a small reduction in commodity water sales. These reduced commodity water sales are offset by even greater reductions in water purchase expenses, attributable primarily to increased water conservation and lower water sales.

To date in FY 2011-12, commodity water sales are under budget by approximately 5%. Staff expects this trend to continue and has based commodity sales projections on actual usage and then applied the projected revenue on a monthly basis using a four year-average for each customer user type. While taking a four-year average may slightly overestimate total commodity sales, it is a more conservative approach to do so in order to ensure that the blended base rate for water is set at a sufficient level to capture the melded cost of water between the various water supply sources of the District.

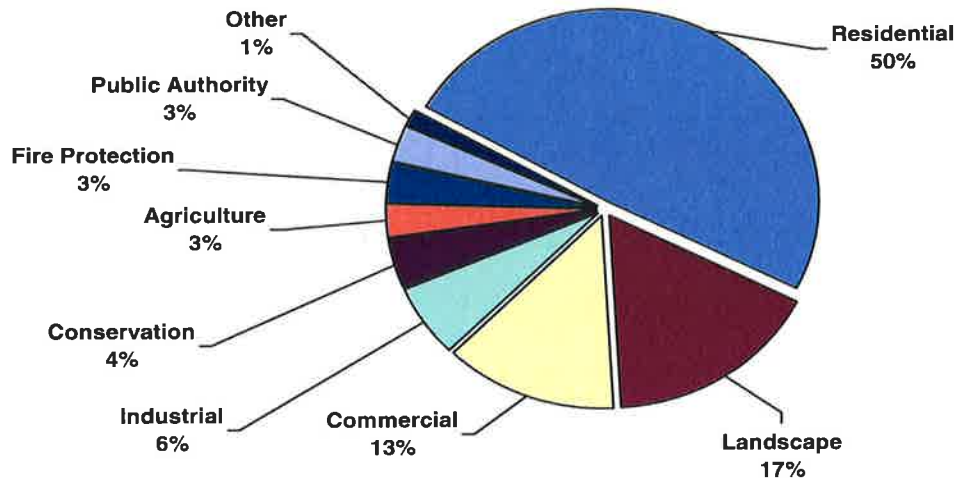
Growth Estimates:

Residential development growth was considered primarily in the apartment sector, although some work has accelerated in the single family residential real estate market within the District. Growth projections are based on the most current projections received from the major developers in the service area. As a result, the growth factor for residential development was estimated at 1% for FY 2012-13.

Commercial volume is flat after the reduction included in the FY 2011-12 Operating Budget which is consistent with commercial vacancy factors. Staff recommends no assumed growth rate for commercial development for FY 2012-13.

Operating Revenue Sources, by Customer Type

Projected Operating Revenue Source: FY 2012-13



Projected Expenses:

The Proposed Operating Budget totals \$111.1 million, which represents a \$3.6 million or 3.4% increase from the prior year's \$107.5 million operating budget (Exhibit "B" Summaries Tab). Of the total expenses, approximately \$97 million is allocated to the operating systems while the balance is allocated to capital projects and capital fund contributions. For purposes of this staff report, the total expenses are examined rather than only those allocated to the operating systems.

The most significant changes to the expenses include the following and are discussed in detail below:

Expense Category	Change from	
	FY 2011-12 Budget	% Change
Labor	\$1,418,500	5.7%
Overtime	(\$185,180)	(18.7%)
Temporary and Contract Labor	(\$278,100)	(23.4%)
Employee Benefits (retirement, healthcare)	\$682,800	5.2%
Repairs and Maintenance – Other Agencies	\$1,021,790	9.7%
Electrical Usage	\$711,980	7.0%
Chemicals	\$206,080	7.0%
Water Purchases	(\$1,211,500)	(4.6%)

Labor:

Each year during the process of developing the Operating Budget, staff analyzes the budgeted positions in the current fiscal year to determine the necessary staffing levels and skill base needed to provide the level of service expected by the District's customers in the coming fiscal year and beyond. As part of this analysis, staff also evaluates employee salaries and benefits to ensure that IRWD continues to

provide a competitive compensation package within the water industry at a reasonable cost. Management also researches and identifies opportunities to increase staffing efficiencies and contain costs through technology, outsourcing and other means. At the same time, the District is making sure that it has the appropriate levels of staffing for the operations of the expanded Michelson Water Recycling Plant, Wells 21/22 Desalter project and the ongoing support and development of the District's strategic investments in the Oracle Enterprise Resource Planning solutions.

The Committee requested an analysis of the budget to actual regular labor expense through mid-year of FY 2011-12. There have been a number of vacant positions which are primarily driving the variance between budget and actual for fiscal FY 2011-12 year to date.

	Regular Labor		
	Budget	Actual	Difference
Quarter 1	\$ 5,730,110	\$ 5,403,279	\$ 326,831
Quarter 2	6,056,836	5,761,243	295,593
Mid-Year	<u>\$11,786,946</u>	<u>\$11,164,522</u>	<u>\$ 622,424</u>

The labor budget changes are discussed in more detail in the Assumptions section of Exhibit "B" which factors in reductions in both overtime and temporary contract labor. The current expected financial impact of the staffing changes has been included in the Proposed Operating Budget, as well as increases in the employees' contribution for their pension benefits.

Water Purchases:

Water purchases have been reduced by \$1,211,500 from the FY 2011-12 budget. Two capital groundwater projects coming online in FY 2012-13 will reduce the melded cost of water by reducing Tier 1 water purchases through the Municipal Water District of Orange County. The first of those two projects is the District's Wells 21 & 22 Desalter project which will provide a less expensive alternative to imported water. This system will come online in October and provide 4,739 acre feet of water. The second project is the Lake Forest Well # 2 coming online in June 2012, providing an additional 500 acre feet of well water for the Los Alisos Service Area.

Original increases included for MWD (9.3%) and OCWD (5.1%) have been reduced based on Board action from the two agencies. The increase in the replenishment assessment rate from OCWD is 4.7% (from \$254 to \$266/af), and the increase from MWDOC on its tier 1 rate will be 6.6% (from \$797 to \$850/af).

Chemicals:

Chemicals increased by \$206,080 or 7% over FY 2011-12. The most significant factor is the addition of Wells 21 & 22 Desalter which has an additional \$409,650 of chemicals associated with treatment of the processed water.

Repairs & Maintenance:

Increases in costs associated with Repairs and Maintenance – Other Agencies, account for \$1,021,790 of the overall increase. The most significant factor in this category is the Wells 21 & 22 Desalter which has an additional \$549,000 in brine disposal costs.

PROPOSED RATES AND CHARGES

Staff has prepared a proposed rate change to meet revenue requirements while including increases for replacement and enhancement capital project funding. Exhibit "C" identifies the impact to rates for the Irvine Ranch, Los Alisos, and Orange Park Acres Rate Areas.

Water System:

Irvine Ranch Rate Area

The Irvine Ranch Rate Area treated system experienced an increase in the cost of purchased water from MWD and OCWD, and an increase in funds set aside to build enhancement and replacement capital.

The significant reductions in many areas helped to substantially eliminate the potential impact to commodity rates. Staff recommends an increase of \$0.02 per ccf of water, reflecting additional costs derived from an expected MWDOC rate increase for imported water (from \$797 to \$850/af) and a \$12.00/acre foot increase in the groundwater Replenishment Assessment (from \$254 to \$266/af). The fixed service charge includes a \$0.55 per month increase, primarily to fund the planned increases to fund replacement and enhancement capital needs.

Based upon countywide average residential usage of 18 ccf/month, the recommended increases in the Irvine Ranch Rate Area will result in an expected rate increase to the average residential customer of \$1.05 or 2.3% from \$45.13 to \$46.18 per month.

Los Alisos Rate Area

The Los Alisos Rate Area experienced cost increases in water since almost all source water used in this rate area is imported water purchased from the Metropolitan Water District of Southern California through the Municipal Water District of Orange County. The addition of the Los Alisos Well # 2 helped reduce the effect of the 6.6% increase from MWDOC. Offsetting these expense increases requires a commodity rate increase (\$0.09/ccf), and a fixed service charge increase of 19.5% for meters larger than one-inch in diameter. This is consistent with the approach the District took in Fiscal Years 2010-11 and 2011-12 to gradually escalate the Los Alisos Rate Area's larger meter fixed charges to bring them closer to the Irvine Ranch fixed service charges. The full 19.5% increase will only affect meters that are below the District's rate by more than that; the District expects to continue applying rate increases to the meter charges until such time as the Los Alisos and Irvine Ranch area rates are at parity.

Based upon countywide average residential usage of 18 ccf/month, the recommended increases in the Los Alisos Rate Area will result in an overall percentage rate increase to the average residential customer of \$1.20 or 2.1% from \$58.20 to \$59.40 per month.

Orange Park Acres Rate Area

In FY 2007-08, the District consolidated with the Orange Park Acres Mutual Water Company. The agreement provided that rates within the new Orange Park Acres Rate Area (OPA) will be changed by the amount necessary to maintain constant the dollar amounts of the difference between commodity and fixed charges in relation to the overall District. In other words, rate increases applied to the Irvine

Ranch rate area will be applied at the same nominal rate to OPA, rather than matching a percentage increase. Exhibit “C” shows the indexed changes to the OPA rates, based upon the proposed changes to the Irvine Ranch area rates.

The following table summarizes the current and proposed water rates for the different rate areas within IRWD:

<u>Revenue Source</u>	<u>Rate Area</u>	<u>Current</u>	<u>Proposed</u>
Base commodity rate	Irvine Ranch	\$ 1.22/ccf	\$ 1.24/ccf
Base commodity rate	Los Alisos	\$ 2.05/ccf	\$ 2.14/ccf
Base commodity rate	OPA	\$ 1.74/ccf	\$ 1.76/ccf
Residential Service rate	Irvine Ranch	\$ 8.75/meter	\$ 9.30/meter
Residential Service rate	Los Alisos	\$ 9.60/meter	\$ 9.60/meter
Residential Service rate	OPA	\$17.25/meter	\$17.80/meter

Untreated Water Rates

The untreated system demands have decreased each year over the last six years and this trend is expected to continue as more customers are converted to using recycled water. The trend of reduced system demands could eventually lead to water needs being met solely by native water. Setting the untreated rate based exclusively on native water costs would result in a rate below recycled water, and thereby eliminate the incentive for converting to the recycled system.

In FY 2011-12, 5,856 acre feet of purchased water spilled over the dam wall when it was replaced by native rainwater. The 1928 Irvine Lake Agreement makes this system unique in that purchased or inventoried water can provide several years of inventory and resolution does not generally occur annually. The District will account for this rainwater at no cost in place of the purchased water and this will continue through seven months of FY 2012-13. This action results in the untreated system operating in a positive position for FY 2012-13. Native water will supply the difference between the rainwater and total demand at a recommended internal rate of \$240 per acre foot.

Staff recommends increasing the untreated rate which is currently \$0.01 /ccf above the recycled rate \$1.09 per ccf. Setting the rate at \$490 per acre foot or \$1.12 per ccf will help to promote conversion from the untreated system to the recycled system and it will provide a reasonable cost of water for those customers on the system with no alternative.

Sewer/Recycled Water System:

The consolidated sewer system has significant replacement capital needs over the coming years based on the District’s Replacement Planning Model. As a result, the District will continue to implement planned increases in the monthly service charges to adequately fund the Sewer Replacement Fund. No portion of the sewer rate increase is related to any operating expense changes. The proposed fixed service charge increase is \$0.30 per month.

TIERED RATE STRUCTURE COST ALLOCATION

In the FY 2010-11 budget, staff provided the detailed methodology for allocating costs to the tiered rates consistent with Proposition 218 requirements. Provided herein is an analysis and recommendation for FY 2012-13 of the cost allocation for each tier consistent with this methodology.

Irvine Ranch Rate Area

The District moved to an allocation-based rate structure in 1991 and established the excessive use tiers with the rates doubling from tier to tier to incentivize water conservation. This approach immediately resulted in a decrease of water consumption that exceeded 10% and it laid the groundwork for the efficient use of water by IRWD customers that is firmly established today. The excessive use tiers provide funding for many programs that are geared toward preserving the water conservation approach established years ago including funding:

- The difference between the Base Rate and the Low Volume (LV) rate
- Conservation programs and incentives
- Conservation outreach efforts that includes identifying and working with Excessive and Wasteful tier users and providing education on conservation for all users
- Maintenance and management of Natural Treatment System (NTS) sites

The methodology utilizes the five tiers beginning with a low volume tier and three conservation tiers. The allocation of costs associated with the tiers follow:

IRVINE RANCH RATE AREA METHODOLOGY	
Tiers	Proposed
Low Volume	Melded cost of pumped water (DATS, DRWF, & IDP)
Base Rate	Melded cost of budgeted sales
Inefficient	MET Tier 1 rate + 33% x (LV differential, Conservation, NTS, and Recycled Conversions) / Inefficient usage
Excessive	MET Tier 2 rate + 33% x (LV differential, Conservation, NTS, and Recycled Conversions) / Excessive usage
Wasteful	MWDOC Penalty + 33% x (LV differential, Conservation, NTS, and Recycled Conversions) / Wasteful usage

When this approach is applied to the budgeted expenses and sales within each tier, the resulting proposed rates for the Irvine Ranch Rate Area for FY 2012-13 follows in the table below:

Tiers	Current Rate (FY 10-11) (per ccf)	Proposed Rate (FY 11-12) (per ccf)	Difference	Description
Low Volume	\$0.91	\$0.91	\$0.00	Pumped water melded cost (Dyer Road Well, DAT, IDP)
Base Rate	\$1.22	\$1.24	\$0.02	All sources melded cost of budgeted water
Inefficient	\$2.50	\$2.76	\$0.26	All-in Met Tier 1 (\$2.20) + 33% of various conservation programs (\$0.56)
Excessive	\$4.32	\$4.70	\$0.38	All-in Met Tier 2 (\$2.75) + 33% of various conservation programs (\$1.95)
Wasteful	\$9.48	\$9.84	\$0.36	MWDOC Penalty Tier (\$5.19) + 33% of various conservation programs (\$4.65)

Los Alisos Rate Area

The Los Alisos Rate Area converted to a tiered rate structure for commodity sales in FY 2011-12. The methodology used for the Los Alisos Rate Area differs from the one identified for Irvine Ranch in the Low Volume, Base Rate, and first excessive use tier. This is due primarily to the difference in source water for these rate areas. The proposal continues to utilize five tiers beginning with a low volume tier and three excessive use tiers. The allocation of costs associated with the tiers follow:

LOS ALISOS RATE AREA METHODOLOGY	
Tiers	Proposed
Low Volume	80% of the all-in cost for MWDOC - MWDOC Water
Base Rate	Melded cost of budgeted sales
Inefficient	120% of MWDOC Water + 33% x (LV differential, Cons., NTS, and Recycled Conversions) / Inefficient usage
Excessive	MET Tier 2 rate + 33% x (LV differential, Conservation, NTS, and Recycled Conversions) / Excessive usage
Wasteful	MWDOC Penalty Tier + 33% x (LV differential, Cons., NTS, and Recycled Conversions) / Wasteful usage

Currently each tier would pay the uniform rate so the variance between the current and proposed rates grow substantially in each successive excessive use tier. This provides the motivation for customer

conservation and it establishes the necessary nexus for Proposition 218. The proposed rate structure for the Los Alisos Rate Area follows:

Tiers	Current Rate (FY 10-11) (per ccf)	Proposed Rate (FY 11-12) (per ccf)	Difference	Description
Low Volume	\$1.54	\$1.54	\$0.00	MWDOC x 80%
Base Rate	\$2.05	\$2.14	\$0.09	MWDOC x 100% + \$0.03 operating component (\$2.05)
Inefficient	\$2.98	\$3.16	\$0.18	MWDOC x 120% (\$2.60) + 33% of various conservation programs (\$0.56)
Excessive	\$4.49	\$4.70	\$0.21	MWDOC Tier 2 (\$2.75) + 33% of various conservation programs (\$1.95)
Wasteful	\$9.84	\$9.84	\$0.00	MWDOC Penalty Tier (\$5.19) + 33% of various conservation programs (\$4.65)

***IRVINE RANCH WATER DISTRICT
OPERATING BUDGET
FISCAL YEAR 2012-13***



“PROPOSED”

APRIL 23, 2012



OPERATING BUDGET

Draft Assumptions as of April 23, 2012 Fiscal Year 2012-13

The goal of the District's budgeting process remains to fund the resources required to provide services to the District's customers as cost-efficiently as possible. Over the past two years, the District's operating budget has decreased slightly by aggressively pursuing reductions in expenses to offset uncontrollable expenses such as pass-through rate increases from outside agencies on which the District depends for the purchase of water and the treatment of wastewater and biosolids. With significant additional capital facilities coming online in FY 2012-13, the increases in the preliminary draft of the operating budget reflect additional expenses associated with operating those facilities.

This document summarizes the major assumptions driving the development of the operating budget for FY 2012-13 for input by the Committee.

I. REVENUES

Estimated potable, untreated, sewer, and recycled system revenues are projected to be \$109.0 million for FY 2012-13 prior to any potential rate adjustments that may be implemented by the Board. Actual fixed service revenue is flat which is consistent with assumptions used in identifying revenues for FY 2011-12

To date in FY 2011-12, commodity water sales are under budget by approximately 5%. Staff expects this trend to continue and has based commodity sales projections on actual usage and then applied the projected revenue on a monthly basis using a four year-average for each customer user type. While taking a four-year average may slightly overestimate total commodity sales, it is a more conservative approach to do so in order to ensure that the blended base rate for water is set at a sufficient level to capture the melded cost of water between the various water supply sources of the District.

Growth Estimates:

Residential development growth was considered primarily in the apartment sector and is based on the most current projections received from the major developers in the service area. Current apartment estimates identify approximately 1,900 coming on line in FY 2012-13. Just over 400 additional units are included in current projections as part of the redevelopment estimate that has not been updated in three years and has clearly not met projections in that time. As a result, the growth factor for residential development was estimated at 1% for FY 2012-13.

Commercial volume has been flat which is consistent with commercial vacancy factors. The FY 2011-12 budget anticipated a return of the base that was lost previously from the economy. Although customer counts increased, it did not match the growth budgeted for FY 2011-12. Current development projections for the commercial/industrial sector identify nearly 30 acres of development occurring in FY 2012-13 as well as 35 acres developing in the current fiscal year. The higher than average vacancy factors do not support meeting these development targets. Staff recommends no assumed growth rate for commercial and industrial development for FY 2012-13.

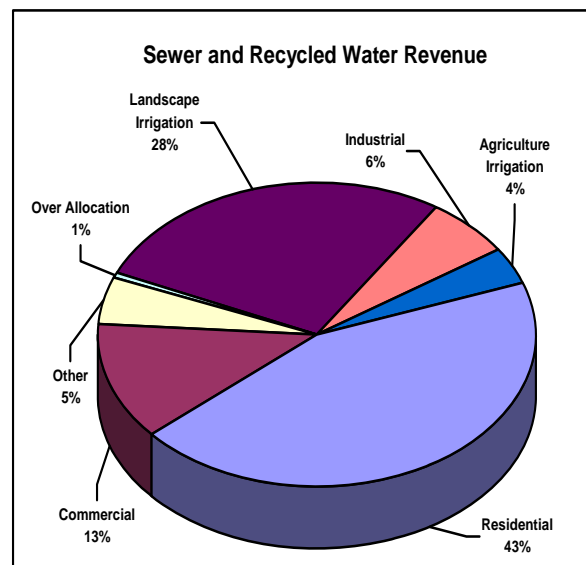
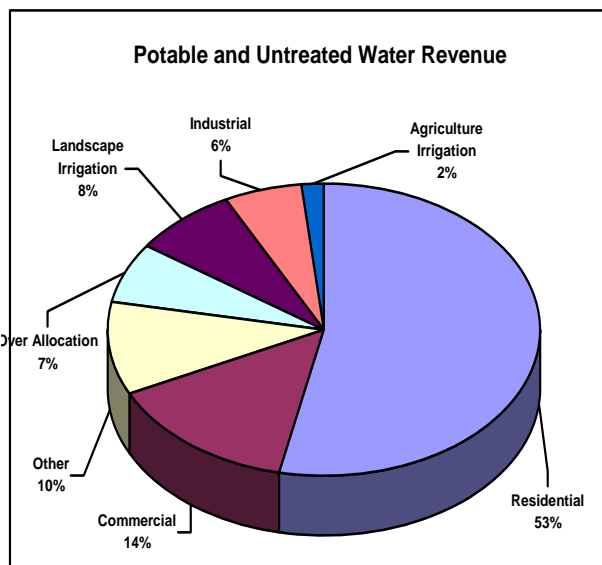


OPERATING BUDGET

Draft Assumptions as of April 23, 2012 Fiscal Year 2012-13

FY 2012-13 Operating Revenue Sources, by Customer Type (in thousands):

Customer Type	Water	Sewer/ Recycled Water	Total
Residential	\$ 30,123	\$ 21,871	\$ 51,994
Landscape Irrigation	\$ 4,272	\$ 12,789	\$ 17,061
Commercial	\$ 8,386	\$ 6,226	\$ 14,612
Other	\$ 6,111	\$ 3,109	\$ 9,220
Over Allocation	\$ 5,857	\$ 1,310	\$ 7,167
Industrial	\$ 3,498	\$ 2,473	\$ 5,971
Agriculture Irrigation	\$ 988	\$ 2,014	\$ 3,002
	\$ 59,235	\$ 49,792	\$ 109,027



The projected revenue sources and their respective percentage of the total are presented in the graph above. Total Residential, Landscape, Commercial, and Industrial revenue constitute over 85% of the total operating revenues.

The "Other" category in the chart above includes revenue from the following sources in the order of total estimated receipts:

- Construction/Temporary accounts
- United States Department of the Navy contribution for the Shallow Ground Water Unit identified as Irvine Desalter Project (IDP) Reimbursements
- Recycled water sales to the Santa Margarita Water District
- Green Acres Project (GAP) recycled water sales
- The Replacement Fund contribution for election expense
- Recycled Water Conversion Loan payments



OPERATING BUDGET

Draft Assumptions as of April 23, 2012
Fiscal Year 2012-13

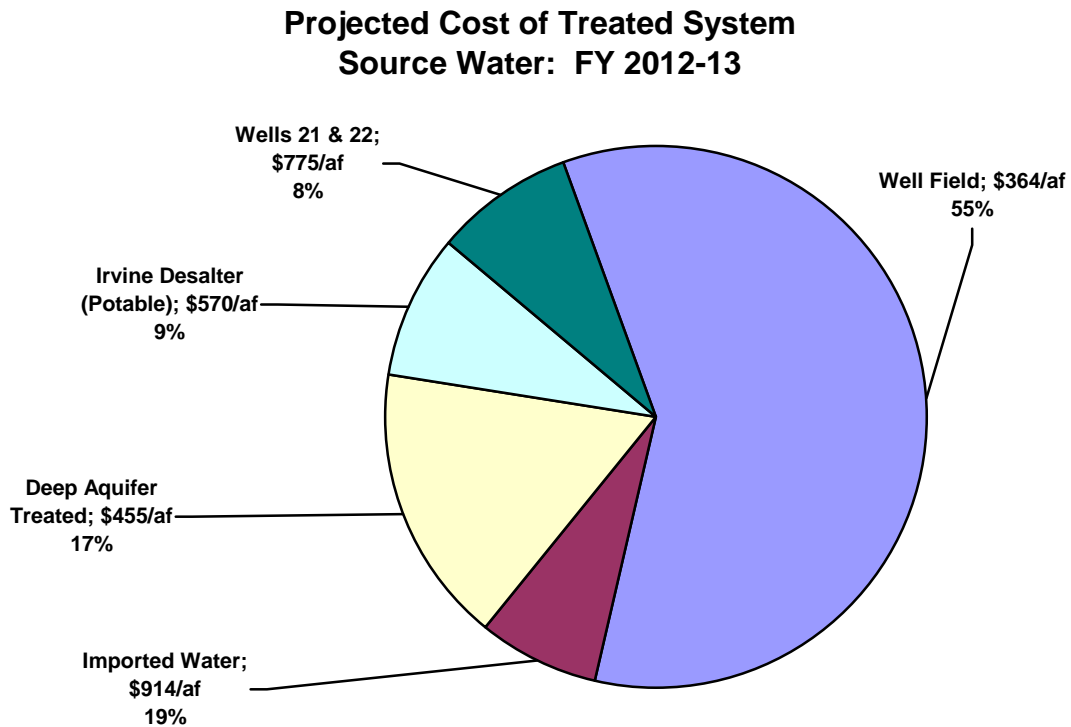
II. OPERATING EXPENSES

Notable expected changes in operating expenses are addressed below by system and function:

A. Treated Water

Groundwater Production

The cost per acre-foot from each of the sources and their respective share of the total water purchased are identified in the graph.



The major assumptions associated with the respective sources of water include the following:

- Based upon the most current information the Orange County Water District, the Replenishment Assessment (RA) is assumed to increase by \$12/acre-foot to \$266/acre-foot.
- In FY 2008-09, 25% of the labor associated with operation and maintenance of the Dyer Road Well Field (DRWF) was included in the cost of water with the assumption that an additional 25% of the DRWF labor will be added each year until all labor has been migrated into the cost of water. By adding the final 25% of the DRWF labor into the cost of water in FY 2012-13, the full labor cost of approximately \$1.6 million will now be appropriately included in the variable cost of water.
- DRWF pumping costs:



OPERATING BUDGET

Draft Assumptions as of April 23, 2012

Fiscal Year 2012-13

- Actual energy usage was reviewed in detail and although a rate increase of approximately 2.5% is included, most energy costs associated with the various sources decreased slightly.
- Chemical expense on the potable side is expected to remain consistent with FY 2011-12 costs.
- Irvine Desalter Project (IDP) Potable Treatment Plant (PTP) chemical expenses are expected to remain consistent with FY 2011-12 costs, in total.
- Deep Aquifer Treatment System (DATS) costs will increase moderately due to the increase in RA identified above.
- Wells 21 & 22 Desalter will come online in October and provide an additional 4,739 acre feet net of water lost to production. This source, similar to IDP and DATS, will have a Basin Production Percentage (BPP) exemption allowing the District to maximize usage of this source which has a lower operating cost than imported water purchased from MWDOC.
- Lake Forest Well # 2 will come online in June of 2012 and provide an additional 500 acre feet of water.

Treated Water – Metropolitan Water District of Southern California (MWD)

- MWD is expected to increase its rates again on January 1, 2013 by 6.6% and further expected to increase its Readiness-to-Serve and Capacity Reservation Charges.
- The Municipal Water District of Orange County (MWDOC) meter charge will be \$7.25 and the incremental rate per acre foot will decrease slightly with the increase in the BPP (68%).
- Staff assumes no substantial change to the costs associated with the IRWD Reservoir Management Systems.

Untreated Water

The primary source of untreated water for FY 2012-13 will be native water stored in the Irvine Lake.

- Native water and Santiago Aqueduct Commission (SAC) water is expected to be used to meet all untreated demands.
- Any MWD/MWDOC increases addressed in the treated water system will also apply to purchases for the untreated system.



OPERATING BUDGET

Draft Assumptions as of April 23, 2012 *Fiscal Year 2012-13*

B. Sewer and Recycled Water

Sewer:

MWRP and LAW RP – The treatment projections for FY 2012-13 at MWRP and LAW RP are 18 MGD and 4 MGD respectively. LAW RP production exceeds the FY 2011-12 but is still well below total capacity.

Recycled:

- Total recycled demand is estimated at 27,697 acre-feet.
- Water produced at MWRP and LAW RP or included in storage is expected to provide 24,413 acre-feet of the total supply.
- Groundwater production is expected to provide an additional 1,080 acre-feet.
- The Irvine Desalter will provide an additional 3,050 acre feet net of water lost to production.
- SAC water will provide an additional 282 acre feet of water.
- The recycled water system is expected to purchase 434 acre-feet of supplemental water from the untreated.

C. Salaries and Benefits

- Each year, staff prepares a labor budget based upon the total positions in the organization chart, expected merit and cost of living increases, and promotional allowances.
 - Each salary is identified and included in January and then walked forward adding merit increases that are based on prior review ratings where necessary in order to reach a starting July salary base.
 - New Positions and promotions are added and all salaries are walked forward on a month by month basis.
 - In December, a COLA and promotional factor are applied to all salaries.
 - In prior years, the total budget would then be reduced by a vacancy factor of 3% to account for retirements and job turnover. Based on the current approach to managing turnover, staff has eliminated the vacancy factor.



OPERATING BUDGET

Draft Assumptions as of April 23, 2012 Fiscal Year 2012-13

- The primary factors driving salaries are:

Removed "Vacancy Factor"	\$ 784,800
COLA Factor (1.2%)	235,400
Promotional Allowance (0.5%)	87,200
Additional Positions	<u>561,900</u>
Subtotal	1,669,300
Reduced Overtime	(185,200)
Reduced Temporary Labor	(278,100)
Eliminated Positions	<u>(250,000)</u>
<i>Net Change</i>	<u><u>\$ 956,000</u></u>

- The District's PERS Employer contribution rate is 16.1% and the PERS in Excess of ARC assumption is 8.9% for a combined employer portion contribution of 25.0%. Based on that contribution rate and given existing payroll budget information, the employer contribution would be \$6,539,000.

- The multi-year plan that was implemented to transition from the District funding the employee contribution to the employee paying their respective portion will continue in FY 2012-13. The current contribution by the District for most employees is 3% and the budget assumes:
 - The Contribution rate paid by employees will increase from 5% to 6% on March 1, 2013;
 - The Employee Contribution rate paid by Senior Staff (Directors) will increase from 7% to 8% on March 1, 2013; and
 - The Employee Contribution rate paid by the GM will remain at 8%

- The District matches an employee's contribution to the deferred compensation by up to 3% of salary after one year of employment. Because not all employees contribute the full 3%, the benefits budget includes includes a matching of 2.75% of total salaries.

- Health and dental insurance premiums are expected to increase, offset in part by expected increases to employee contributions.



OPERATING BUDGET

Draft Assumptions as of April 23, 2012 Fiscal Year 2012-13

III. USE OF OTHER FUNDS

A. Over Allocation Revenue

Over Allocation Revenue is used to offset three primary expense:

- o The Low Volume shortfall is the rate difference between the low volume rate and the base rate. Over allocation revenue is used to offset this differential.
- o Budgeted conservation expenses are funded from over allocation revenue.
- o Urban runoff (NTS) and San Joaquin Marsh maintenance expenses are the third and final component of expenses funded using over allocation revenue.

Budgeted Over Allocation Revenue (in thousands)	\$7,167
Expenses Funded from Over Allocation Revenue:	
Low Volume Shortfall & Conservation Expenses	\$4,721
Urban Runoff and San Joaquin Marsh	<u>2,446</u>
Total Expenses	<u>\$7,167</u>

B. Replacement Fund User Rate Component

Consistent with the Board's direction in recent years, staff assumed increases to the current replacement fund contributions. The current sewer service charge of \$4.50 per month for the average residential customer in FY 2011-12 will increase by \$0.15 to \$4.65 to continue replenishing the sewer replacement fund. Staff assumes an increase of \$0.20 on the water service charge replacement component to \$0.80 for the typical residential customer. The net change in the fund excluding other revenue sources other than 1% receipts follows:

Fund Balance as of February 2012 (in millions)	\$ 165.2
Projected Capital Expenditures	(14.1)
Estimated 1% Receipts	8.6
Replacement Component from User Rates	<u>11.2</u>
Net Replacement Fund Position	<u>\$ 170.9</u>



OPERATING BUDGET

Draft Assumptions as of April 23, 2012 *Fiscal Year 2012-13*

C. Enhancement Fund User Rate Component

The current enhancement fund contribution for both the water and sewer system for FY 2011-12 was a combined \$1.00 per month (\$0.50 each for water and sewer) for the average residential customer. Staff assumes an increase of \$0.20 and \$0.15 for water and sewer respectively, for a combined enhancement component of \$1.35. The net change in the fund excluding other revenue sources other than 1% receipts follows:

Fund Balance as of February 2012 (in millions)	\$15.6
Projected Capital Expenditures	(2.6)
Estimated 1% Receipts	6.4
Enhancement Component from User Rates	<u>3.1</u>
Net Replacement Fund Position	<u>\$22.5</u>

IV. **ALLOCATION OF COSTS BETWEEN IRWD & LOS ALISOS SERVICE AREAS**

- A. Costs that are directly related to providing service or are clearly associated with the Irvine Ranch service area or Los Alisos treated water are allocated to the respective system expenses of that service area.
- B. Those costs that are attributable to system operations but that are not unique to one service area are allocated based upon the ratio of the budgeted acre-feet.
- C. All direct labor costs are allocated General & Administrative (G&A) charges based upon the budgeted G&A factor.

Consolidated Operating Budget for All Departments FY 2012-13

Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Water Purchases	30,078,024	16,161,030	26,179,600	24,968,060	(1,211,540)
Labor Expense RT	13,989,605	0	24,740,300	26,158,800	1,418,500
Labor Expense OT	910,443	398,953	990,100	804,920	(185,180)
Employee Benefits	11,403,262	5,579,346	13,043,550	13,726,350	682,800
Temp & Contract Labor	768,324	311,617	1,189,400	911,300	(278,100)
Electrical Usage	9,001,518	4,346,598	10,220,220	10,932,200	711,980
Fuel	113,796	454,268	540,700	677,500	136,800
Telecommunication	285,735	129,155	307,340	293,840	(13,500)
Other Utilities	66,638	30,158	114,400	101,700	(12,700)
Chemicals	3,031,265	1,600,287	2,941,400	3,147,480	206,080
Operating Supplies	926,181	475,170	1,046,500	1,090,460	43,960
Printing	230,380	148,190	292,600	341,500	48,900
Postage Services	611,622	227,934	550,850	524,120	(26,730)
Permits, Licenses and Fees	711,492	554,624	566,850	689,670	122,820
Office Supplies	75,187	37,346	104,650	99,800	(4,850)
Duplicating Equipment	173,277	104,373	189,000	176,000	(13,000)
Equipment Rental	116,926	61,541	140,590	101,900	(38,690)
Rep & Maint Other Agencies	13,859,380	5,752,491	10,556,100	11,577,890	1,021,790
Rep & Maint IRWD	5,930,176	3,467,083	6,329,550	6,113,905	(215,645)
Insurance	618,130	384,451	535,000	650,000	115,000
Legal Fees	237,902	118,249	352,500	367,500	15,000
Engineering Fees	446,195	375,241	491,300	525,860	34,560
Accounting Fees	78,866	61,590	92,500	82,500	(10,000)
Data Processing	660,389	527,738	949,900	1,176,950	227,050
Personnel Training	585,550	321,796	912,300	915,140	2,840
Personnel Physicals	20,573	14,109	33,800	35,200	1,400
Other Professional Fees	1,027,512	730,187	1,354,850	1,735,420	380,570
Directors' Fees	134,852	35,076	145,000	142,200	(2,800)
Equipment Usage	1,209,472	672,505	0	0	0

Consolidated Operating Budget for All Departments FY 2012-13

<u>Expense Name</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Mileage Reimbursement	106,990	52,856	107,000	114,200	7,200
Collection Fees	25,387	4,657	31,000	21,000	(10,000)
Election Expense	139,414	0	100,000	100,000	0
Safety	165,214	29,764	135,000	106,310	(28,690)
Other	1,605,225	738,836	1,650,800	1,767,300	116,500
Conservation	364,899	188,174	550,000	929,000	379,000
GRAND TOTAL	99,709,800	44,095,394	107,484,650	111,105,975	3,621,325

SOURCES AND USES OF FUNDS

CONSOLIDATED OPERATING BUDGET

Fiscal Year Ending June 30, 2013

In (000's)

Revenues:	Water	Sewer	Total
Residential	\$ 30,123	\$ 21,871	\$ 51,994
Landscape Irrigation	4,272	12,789	17,061
Commercial	8,386	6,226	14,612
Agriculture Irrigation	988	2,014	3,002
Industrial	3,498	2,473	5,971
Public Authority	1,784	1,512	3,296
Fire Protection	3,712		3,712
Construction/Temporary	615	59	674
SMWD Sewer		235	235
Reclaimed Loans		10	10
Green Acres		173	173
Caltrans Dewatering		600	600
IDP Reimbursements		520	520
Over Use Funds/Conservation	3,741	1,310	5,051
Over Use Funds/SJ Marsh & NTS	2,474		2,474
Total Revenues	\$ 59,593	\$ 49,792	\$ 109,385
Proposed Replacement & Enhancement Capital Project Contribution	(2,825)	(10,379)	(13,204)
Net Revenues	\$ 56,768	\$ 39,413	\$ 96,181
 Expenses:			
Water	\$ 30,802	\$ 1,790	\$ 32,592
Salaries & Benefits	7,546	6,874	14,420
Materials & Supplies	9,655	12,314	21,969
OCSD - O & M		9,689	9,689
General Plant	645	644	1,289
General and Admin Expense	9,055	8,249	17,304
Total Expenses	\$ 57,703	\$ 39,560	\$ 97,263
 Funded by User Rate Increase			
			-
Income (Loss) From Operations	\$ (935)	\$ (147)	\$ (1,082)

SOURCES AND USES OF FUNDS

CONSOLIDATED OPERATING BUDGET

Fiscal Year Ending June 30, 2013

In (000's)

Revenues:	<u>Irvine Area</u>	<u>Los Alisos Area</u>	<u>Total</u>
Residential	\$ 24,178	\$ 5,945	\$ 30,123
Landscape Irrigation	2,966	1,306	4,272
Commercial	7,392	994	8,386
Agriculture Irrigation	877	111	988
Industrial	3,498		3,498
Public Authority	1,752	32	1,784
Fire Protection	3,442	270	3,712
Construction/Temporary	565	50	615
SMWD Sewer			-
Reclaimed Loans			-
Green Acres			-
Caltrans Dewatering			-
IDP Reimbursements			-
Over Use Funds/Conservation	3,741		3,741
Over Use Funds/SJ Marsh & NTS	2,474		2,474
Total Revenues	\$ 50,885	\$ 8,708	\$ 59,593
Proposed Replacement & Enhancement Capital Project Contribution	<u>(2,510)</u>	<u>(315)</u>	<u>(2,825)</u>
Net Revenues	\$ 48,375	\$ 8,393	\$ 56,768
Expenses:			
Water	\$ 24,693	\$ 6,109	\$ 30,802
Salaries & Benefits	6,729	817	7,546
Materials & Supplies	8,903	752	9,655
OCSD - O & M			-
General Plant	645		645
General and Admin Expense	8,075	980	9,055
Total Expenses	\$ 49,045	\$ 8,658	\$ 57,703
Funded by User Rate Increase			-
Income (Loss) From Operations	\$ (670)	\$ (265)	\$ (935)



REVENUE

BUDGETED REVENUE SUMMARY BY SYSTEM

	FY 2011-12	Usage Change	Proposed Rate Inc.	FY 2012-13
Water				
Service	\$ 19,758,700	\$ 140,600	\$ 276,600	\$ 20,175,900
Enhancement	1,224,000	60,000	471,000	1,755,000
Replacement	1,450,000	91,000	471,000	2,012,000
Commodity	30,506,300	(1,041,900)	550,000	30,014,400
Low Volume	1,684,400	(200)	108,700	1,792,900
Over Allocation Revenue	3,732,000	799,000	-	4,531,000
Pumping Surcharge	630,600	4,000	-	634,600
Miscellaneous	538,400	16,500	-	554,900
	\$ 59,524,400	\$ 69,000	\$ 1,877,300	\$ 61,470,700
AF	56,560	(1,920)		54,640
User Type				
Residential	\$ 31,512,200	\$ 95,000	\$ 1,059,500	\$ 32,666,700
Commercial	8,395,500	(9,500)	413,200	8,799,200
Industrial	3,452,700	45,400	103,600	3,601,700
Public Authority	1,778,500	5,500	53,900	1,837,900
Construction/Temp.	594,900	20,500	28,700	644,100
Fire Protection	3,678,000	34,100	-	3,712,100
Landscape Irrigation	4,673,200	(201,400)	210,600	4,682,400
Agriculture Irrigation	1,707,400	(719,600)	7,800	995,600
Over Allocation Revenue	3,732,000	799,000	-	4,531,000
	\$ 59,524,400	\$ 69,000	\$ 1,877,300	\$ 61,470,700



REVENUE

BUDGETED REVENUE SUMMARY BY SYSTEM

	<u>FY 2011-12</u>	<u>Usage Change</u>	<u>Proposed Rate Inc.</u>	<u>FY 2012-13</u>
Sewer and Recycled				
Service	\$ 25,548,800	\$ (13,100)	\$ (5,900)	\$ 25,529,800
Enhancement	1,024,000	14,000	287,000	1,325,000
Replacement	9,217,000	124,000	342,000	9,683,000
Commodity	10,371,000	833,300	92,200	11,296,500
Low Volume	945,800	3,100	61,300	1,010,200
Over Allocation Revenue	507,000	(146,000)	-	361,000
Pumping Surcharge	362,700	8,600	-	371,300
Miscellaneous	427,000	44,100	-	471,100
IDP Reimbursements	504,600	15,300	-	519,900
	<u>\$ 48,907,900</u>	<u>\$ 883,300</u>	<u>\$ 776,600</u>	<u>\$ 50,567,800</u>
AF	25,740	1,940		27,680
User Type				
Residential	\$ 21,656,900	\$ 246,200	\$ 379,600	\$ 22,282,700
Commercial	6,371,700	(145,600)	109,100	6,335,200
Industrial	3,272,800	(200,000)	43,900	3,116,700
Public Authority	1,263,700	248,500	26,900	1,539,100
Landscape Irrigation	13,715,100	(10,500)	216,000	13,920,600
Recycled Loans	-	10,600	200	10,800
Agriculture Irrigation	1,146,200	868,200	-	2,014,400
Construction/Temp.	62,000	(3,400)	900	59,500
Green Acres	172,900	-	-	172,900
SMWD	235,000	-	-	235,000
IDP Reimbursements	504,600	15,300	-	519,900
Over Allocation Revenue	507,000	(146,000)	-	361,000
	<u>\$ 48,907,900</u>	<u>\$ 883,300</u>	<u>\$ 776,600</u>	<u>\$ 50,567,800</u>



COST OF WATER

BUDGETED COST OF WATER

	FY 2011-12		FY 2012-13		Change	
	Acre Feet	Total	Acre Feet	Total	Acre Feet	Total
Irvine Ranch Rate Area						
<u>TREATED</u>						
Purchased from MWDOC	7,651	\$ 6,917,537	3,420	\$ 4,235,908	(4,231)	\$ (2,681,629)
Dyer Road Well Field	28,000	10,028,396	28,000	10,246,671	(0)	218,275
Deep Aquifer Treatment System	8,748	3,811,130	8,782	3,735,832	34	(75,298)
Lost to Production	(875)		(878)		(3)	
Wells 21 & 22 Desalter			5,266	3,579,665	5,266	3,579,665
Lost to Production			(527)		(527)	
Irvine Desalter Project	5,191	2,876,660	4,679	2,144,100	(512)	(732,560)
Lost to Production	(779)		(702)		77	
Water Banking				94,800	-	94,800
DATS Capital Cost Refunding		596,600		596,600		-
Total Shrinkage	(2,287)		(2,288)		(1)	
<u>UNTREATED</u>						
Purchased from MWDOC	11	\$ 6,802	71	\$ 50,723	60	\$ 43,921
Native Water	4,731	472,600	3,106	178,100	(1,625)	(294,500)
SAC Water	180	114,600	180	129,900	-	15,300
System Contributions - Wells		(400,000)		0		400,000
Transfer to RW System	(458)	(217,400)	(434)	(205,900)	24	11,500
Total Shrinkage	(646)		(603)		43	
Total Irvine Ranch	<u>49,468</u>	<u>\$ 24,206,925</u>	<u>48,073</u>	<u>\$ 24,786,399</u>	<u>(1,395)</u>	<u>\$ 579,474</u>
Los Alisos Rate Area						
Purchased from MWDOC (Jul-Dec)	7,237	\$ 6,201,500	3,641	3,386,460	(823)	(90,559)
Purchased from MWDOC (Jan-Jun)			2,773	2,724,481		
Well Water (Jul-Dec)	120	6,800	250	12,874	380	18,948
Well Water (Jan-Jun)			250	12,874		
Total Shrinkage (Jul-Dec)	(367)		(194)		22	
Total Shrinkage (Jan-Jun)			(151)			
Total Los Alisos	<u>6,990</u>	<u>\$ 6,208,300</u>	<u>6,569</u>	<u>\$ 6,123,815</u>	<u>(421)</u>	<u>\$ (71,611)</u>
Total Potable Water	<u>56,458</u>	<u>\$ 30,415,225</u>	<u>54,642</u>	<u>\$ 30,910,213</u>	<u>(1,816)</u>	<u>\$ 507,863</u>
Cost per ccf - Potable	Irvine Ranch	\$1.22	45,752	\$24,633,576	\$1.24	1.31%
Cost per ccf - Potable	Los Alisos	\$2.05	6,569	\$ 6,136,689	\$2.14	4.61%

Assumptions:

OCWD - replenishment assessment estimate - \$267/acre foot.

MWDOC - Includes a 6.0% increase that will be effective January 1, 2012 from MWD.



COST OF WATER

BUDGETED COST OF RECYCLED WATER

RECYCLED

MWRP / LAWRP Production	22,329		24,413		2,084	
Groundwater	1,080	335,200	1,080	342,900	-	7,700
Irvine Desalter Project	3,380	2,142,813	3,380	1,706,384	-	(436,429)
SAC Water	282	178,600	282	202,700	0	24,100
Transfer from Untreated System	458	217,400	434	205,900	(24)	(11,500)
<i>Total Shrinkage</i>	<u>(1,794)</u>		<u>(1,892)</u>		<u>(98)</u>	
Total Recycled	<u>25,735</u>	<u>\$ 2,874,013</u>	<u>27,697</u>	<u>\$ 2,457,884</u>	<u>1,962</u>	<u>\$ (416,129)</u>

Assumptions:

OCWD - replenishment assessment estimate - \$267/acre foot.

Metropolitan Water District Includes a 6.5% increase that will be effective January 1, 2012.



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

Program Description

The General Manager's Office implements the policies and decisions established by the Board of Directors and, in so doing, provide overall direction to staff and management to complete that effort.

The General Manager's office also:

- Provides direct services to and communications with the Board of Directors;
- Produces and distributes Board, Board Committee and Ad Hoc Committee meeting packets;
- Schedules all Board, Board Committee, Ad Hoc Committee and annual/special independent corporation meetings;
- Produces the minutes of all Board meetings;
- Maintains all Board resolutions;
- Schedules other meetings and functions on behalf of the Board members and makes travel arrangements, as needed;
- Maintains records of all inter-agency agreements, deeds and easements;
- Maintains records for the various independent corporations;
- Maintains necessary inter-governmental relations;
- Responds to, or directs response to, all media inquiries; and
- Responds to all public information requests.

The General Manager's Office works with the Board of Directors and staff to establish Goals and Objectives for all departments across the District. On January 30, 2012, the Board approved Goals and Objectives for the calendar year, summarized as follows:

Strategic Objectives: Water Reliability, Cost Effectiveness, Innovation, Water Policy

IRWD Groundwater Development Program:

- Complete the water quality testing, environmental permitting, design and construction of groundwater production facilities and well head treatment, as required, to produce water at or above IRWD's allowable Basin Production Percentage (BPP). Proceed with projects identified as priorities in the Groundwater Work Plan.
- Complete the feasibility study and initiate design of system interconnections and potential shared well production capacity, as identified in the study, with Santa Ana, Newport Beach, and Mesa Consolidated Water District to improve regional water system reliability;
- Participate in discussions to encourage more availability of replenishment water locally and for IRWD water banking efforts;
- Work with OCWD to complete and circulate for public comment a draft environmental document regarding the annexation of additional areas of IRWD into OCWD; and
- Develop strategy for the inclusion of recycled water demands in OCWD's calculation of the Basin Production Percentage.



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

IRWD Water Banking Program:

- Develop, execute, and obtain Metropolitan Water District of Southern California's (MWD) consent for a Long-Term Exchange Agreement with Dudley Ridge Water District (DRWD) that will facilitate unbalanced exchanges from the Jackson Ranch to the Strand Ranch Integrated Banking Project;
- Develop and execute a Delivery Agreement between DRWD, California Department of Water Resources (DWR) and MWD for delivery of State Water Project (SWP) water from the Jackson Ranch to the Strand Ranch Project;
- Develop, execute, and obtain MWD's consent for a Long-Term Exchange Agreements with 1) the Antelope Valley-East Kern Water Agency and 2) the Carpinteria Valley Water District and the Central Coast Water Authority;
- Develop and gain approval of a template IRWD / MWD Wheeling Agreement for exchange delivery of non-SWP water from the Strand Ranch Project to IRWD's service area;
- Successfully wheel 1,000 AF of Kern River Water from the Strand Ranch to IRWD's service area, through MWD, for the purposes of exercising the exportability of the water and the Wheeling Agreement with MWD;
- Develop and execute a Letter Agreement with Rosedale-Rio Bravo Water Storage District (Rosedale) that commits IRWD and Rosedale to the development of an Environmental Impact Report (EIR) for a Joint Stockdale West Ranch and Enos Property Water Banking and Exchange Project that also provides IRWD additional storage capacity in Rosedale's Conjunctive Use Program; and
- Develop a Long-term Agreement with Rosedale for a Joint Stockdale West Ranch and Enos Property Water Banking and Exchange Project and complete construction of the wellheads, pipelines and Cross Valley Canal turn-ins for the groundwater recovery facilities on the Strand Ranch Project.

Baker Plant Water Treatment Plant:

- Complete the final design of the Baker Water Treatment Plant and solicit bids for construction;
- Complete agreements among project participants to buy/sell ownership rights in the Baker Pipeline to be consistent with ownership capacities of the Baker Water Treatment Plant;
- Complete EIR addenda for treated water pipeline connection to the South County Pipeline and non-reclaimable waste handling facilities; and
- Coordinate final design efforts and interrelationship with Serrano Summit real estate project.

Irvine Lake:

- Continue discussions with Serrano Water District to update the methodology used to account for evaporative losses for water stored in Irvine Lake, execute an amended agreement between IRWD and SWD to reflect the new methodology, and apply the methodology prospectively;
- Complete the seismic analysis of Santiago Creek Dam to determine the extent of the seismic upgrades required for the dam and outlet tower; and
- Develop an operations plan to maximize the utilization of storage capacity in Irvine Lake, taking into account the use of Irvine Lake water as an alternate source of supply for the Baker Water Treatment Plant.



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

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

Biosolids Dewatering Facilities:

- Complete final design, complete an Environmental Impact Report and Conditional Use Permit, and award construction contract for the MWRP Biosolids and Energy Recovery Facilities to process biosolids for MWRP, Los Alisos Water Recycling Plant and others;
- Integrate innovative and cost effective (life cycle) design features into the biosolids project such as electrical power generation through the use of biogas to power microturbines and acceptance of fats, oils and grease (FOG);
- Establish a marketing program for the future sale and distribution of pellets;
- Pursue financial incentives such as the Self-Generation Incentive Program, SCE's Savings by Design, and submit a USBR grant application;
- Initiate preparation of a preliminary design report for the LAWRP biosolids dewatering system upgrades; and
- Initiate discussions with OCSD to participate in the MWRP Biosolids facilities on an interim basis.

San Diego Creek Flood Protection for Michelson Water Recycling Plant:

- Complete construction of 200-year flood wall to protect the Michelson Water Recycling Plant (MWRP);
- Obtain Letter of Map Revision (LOMR) once the improvements are completed; and
- Continue to advocate and create an administrative record of the County of Orange's responsibilities to perform maintenance in San Diego Creek to maintain flow capacity while maintaining the option to seek full or partial reimbursement from the County of Orange.

Wastewater Treatment, Disposal and Recycled Water Supply Optimization:

- Continue to implement a comprehensive wastewater management strategy to minimize flows to OCSD;
- Determine economic feasibility to integrate the Syphon Reservoir in its existing configuration;
- Complete the geotechnical feasibility study and complete the environmental work plan for the expanded Syphon Reservoir; and
- Develop a work plan and retain a consultant to prepare an Inflow and Infiltration (I/I) Study for IRWD's wastewater collection system.

Sewer System Reliability Improvements:

- Update Sewer System Master Plan, which includes upgrades to the IRWD Sewer Emergency Response Plan, to include the most up-to-date information regarding the collections system and the watershed in which key facilities are located. The update will also identify where the collections system is vulnerable to failure and assess the probable impacts from such a failure to the environment and to public safety, with zero tolerance for sewer spills.



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

Strategic Objective: Water Quality, Innovation

Salt Management Plan:

- Develop a work plan and retain a consultant to prepare an IRWD Salt Management Plan; and
- Evaluate and implement opportunities, in conjunction with the necessary funding mechanisms, to manage salt loading within IRWD's service area.

Research Business Plan:

- Continue to support basic research, applied research, and pilot studies that will improve IRWD's ability to provide services safely, reliably, and cost effectively; and
- Ensure that resources dedicated to research and/or pilot studies provide a commensurate level of value to address current and/or future IRWD challenges.

Strategic Objective: Employee Satisfaction / Development, Cost Effectiveness

Safety Awareness Program:

- Continue with activities associated with the new Safety Awareness Program.

Employee Training:

- Provide employee training which results in continuous improvement and maintains a productive and highly motivated work force.

Performance Management:

- Redesign existing performance appraisal methodology to create and present job-specific annual performance reviews to employees based on job descriptions and requirements;
- Implement NEOGOV web-based software solution for 360 degree performance appraisals; and
- Integrate key data elements from NEOGOV performance appraisals into Oracle human resources records and compensation information.

Succession Planning:

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

Pension and Health Benefits Study:

- Complete Retirement and Health Benefits study using objectives identified and approved by the Board;



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

- Ensure that IRWD is well positioned to comply requirements associated with national health care legislation;
- Actively communicate with employees about the status of the study, objectives, and potential changes and communicate employee feedback to the Board;
- Implement changes, if any, to existing retirement and health benefits on timetables identified through the course of the study;
- Following the policy principles established by the Board in June 2010, advocate for appropriate pension reform to eliminate pension spiking or other similar practices that are financially detrimental to the District and the CalPERS system.

Strategic Objective: Cost Effectiveness, Water Policy

Enterprise Resource Planning Software Optimization:

- Optimize Oracle eBusiness Suite Enterprise Resource Plan (ERP) implementation for financial and human resources applications, including additional reporting and business intelligence capabilities; and
- Evaluate and implement solutions for improved capital budgeting and planning.

Utility Billing Software Implementation:

- Complete the Utility Billing detailed functional software requirements analysis for Oracle Customer care and Billing (CC&B) and issue a Request for Proposal for implementation services;
- Begin Phase 1 of the Oracle CC&B software system implementation; and
- Develop a high level scope for providing outside water agencies with utility billing services.

Enterprise Asset Management System:

- Complete the development of the Enterprise Asset Management Strategy to maximize the utilization of IRWD's infrastructure assets while minimizing lifecycle costs; and
- Select the appropriate Enterprise Asset Management System software based on IRWD's functional needs and develop a work plan to implement the software system.

State and Federal Funding:

- Secure federal funding authorization under a re-authorized Water Resources Development Act (WRDA) for Army Corps of Engineering funding for the Syphon Reservoir Recycled Water Storage project; and
- Continue to seek grants for renewable energy and other key projects through federal stimulus funding and other sources.

IRWD Long-Term Financing Strategy:

- Adopt policy principles and strategy for long-term capital funding.



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

Debt and other Financial Instruments:

- As market conditions warrant, strategically refund the JPA Issue 1 bonds similarly to the Issue 2 refunding in 2010 to capture economic savings on cost of debt;
- Establish counterparties for potential basis swap trade and pre-negotiate ISDA documents;
- As market conditions warrant, seek authorization from the Finance and Personnel Committee to execute a basis swap trade consistent with the parameters established by the Board; and
- Continue to evaluate opportunities to capture and lock in historically low interest rates on the District's debt portfolio.

Real Estate Asset Development:

- Continue with the entitlement process for the Lake Forest/Serrano Summit Property.
- Complete the development of the Sand Canyon Office project.
- Complete a detailed reference guide of all District real property interests including current use, site description, title restrictions/constraints and property location.

Strategic Objectives: Environmental Commitment, Innovation

Natural Treatment Systems (NTS):

- Develop guidelines for design, configurations, and maintenance of low-impact development bioretention facilities as part of the Natural Treatment System Program;
- Continue to work with partners in Newport Bay Executive Committee to develop and implement the elements of the Nitrogen Selenium Management Plan; and
- Prepare an Annual Report of NTS Operations including nutrient removal performance at each NTS facility, operational objectives, and recommendations for adaptive changes to the NTS program.

Energy and Climate Action Master Plan:

- Finalize the Energy and Climate Action Master Plan.
- Implement renewable energy project identified in the Master Plan, as appropriate.

Water Use Efficiency Programs:

- Implement enhanced outreach and cost-effective demand management programs.
- Actively engage in statewide policy discussions addressing the water-energy nexus.

Recycled Water Customer Development:

- Complete development of the on-line site supervisor training for recycled water customers;
- Evaluate the feasibility satellite recycling plants in remote areas not served by the recycled water distribution system;
- Assess the feasibility of serving recycled water to Jazz Semiconductor for their cooling towers and for process water;
- Assess the feasibility of serving recycled water to UCI for use in their cooling towers; and
- Obtain approvals for dual-plumbing of condominiums and apartment properties.



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

Strategic Objectives: Communication, Customer Satisfaction, Water Policy

Government Relations/Legislation:

- Implement the IRWD 2012 state legislative strategy as developed by staff and discussed with the Water Resources Policy and Communications Committee. Conduct advocacy activities on legislation impacting IRWD, the water industry and special district interests.
- Continue to build relationships with federal, state and local elected and appointed officials and their staff members, as well as community leaders to support IRWD initiatives.

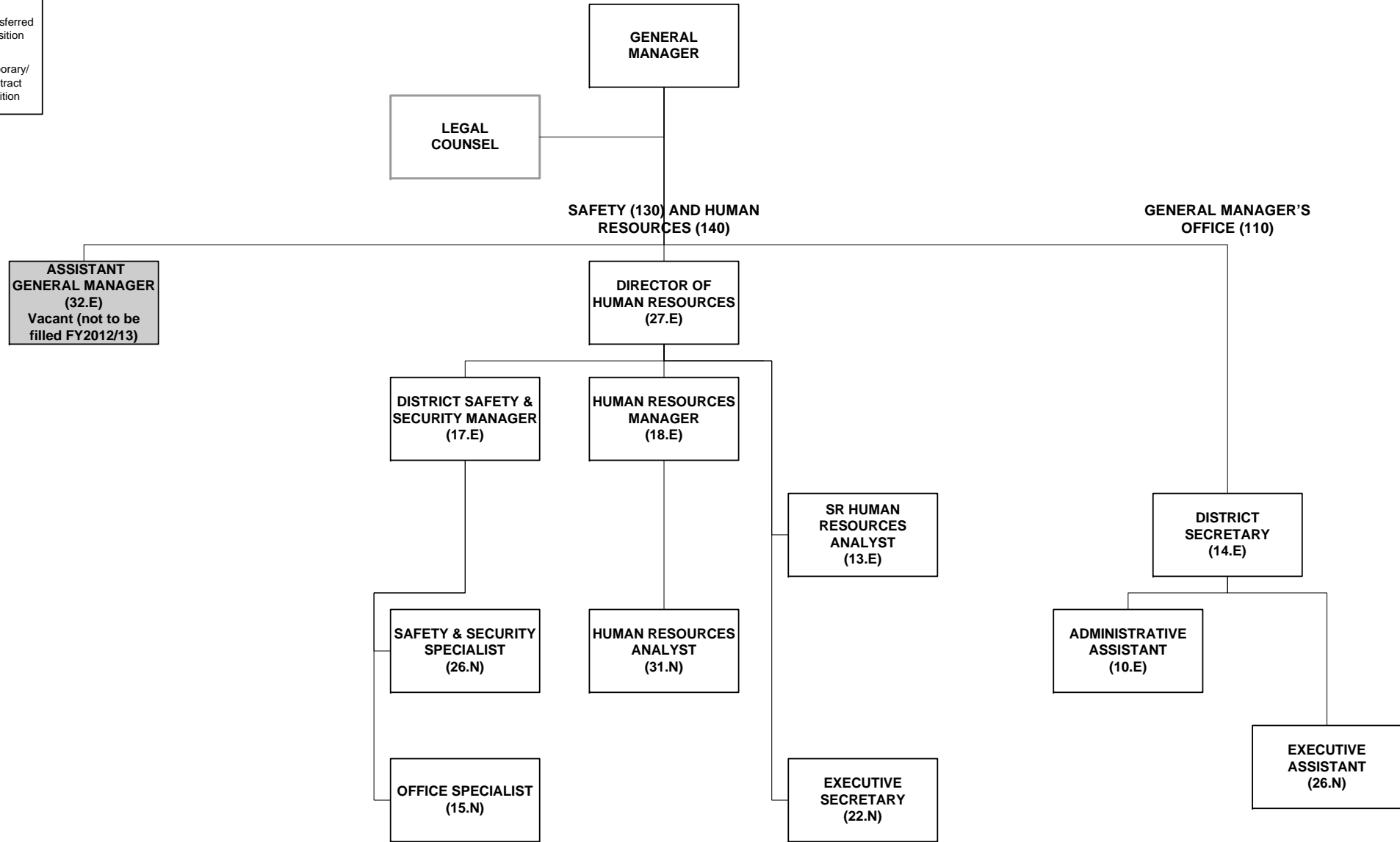
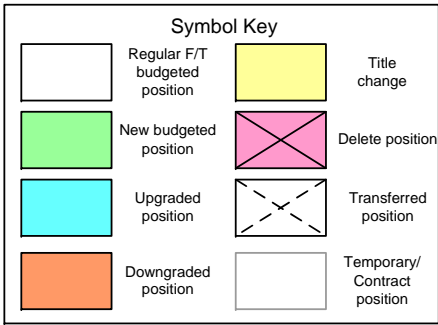
Enhanced Internal and External Communication and Education Programs:

- Develop a strategy for unified District message development and outreach program implementation based on measurement tools, metrics and customer feedback;
- Refine, update and create effective measurement tools for a multi-pronged social media and internet based outreach program aimed at providing information channels for our customers, the media, business partners, IRWD employees, and other government agencies;
- Enhance transparency by providing regular updates and content refinements on the IRWD website, including the finance, board meeting and compensation pages;
- Create an irwd.com customer service web portal that provides a "one stop shop" for IRWD customers to define their web-based customer service experience;
- Implement an on-line water use efficiency training program that can be integrated into the customer bill adjustment process;
- Develop a plan to expand the use of our CodeRED notification system to inform customers of important non-emergency messages throughout the year;
- Complete enhanced communications with customers, including "Always Water Smart", through targeted news media outreach and public communications programs.
- Implement a pilot of "Operation GreenFill", a water bottle filling station project with the County of Orange Parks Department to educate customers about water quality and promote environmental stewardship; and
- Develop and implement a state-of-the-art IRWD intranet; transition employee communications to web-based format.

Customer Service Initiatives:

- In conjunction with the external communications initiatives, develop an outreach plan to inform customers about self-service website options such as e-bill, automated payments, account balance status, usage history, and other services to increase customer utilization and reduce incoming phone calls;
- Collect and analyze customer service call center statistics to ensure maximum staff efficiency and maintain a high level of customer satisfaction.

**IRVINE RANCH WATER DISTRICT
ADMINISTRATION
PROPOSED FISCAL YEAR 2012-13**



Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Administration						
110	Labor Expense RT	281,102	0	715,800	502,800	(213,000)
110	Labor Expense OT	1,295	241	2,000	2,000	0
110	Employee Benefits	0	0	0	160,100	160,100
110	Temp & Contract Labor	0	0	100,000	0	(100,000)
110	Printing	450	0	2,500	2,500	0
110	Postage Services	85	0	200	200	0
110	Permits, Licenses and Fees	93,892	74,985	92,500	89,000	(3,500)
110	Office Supplies	2,112	1,870	4,000	4,000	0
110	Rep & Maint IRWD	80	0	0	0	0
110	Legal Fees	239,638	74,113	317,500	317,500	0
110	Personnel Training	167,772	107,661	193,000	190,500	(2,500)
110	Other Professional Fees	136,163	206,499	144,100	320,400	176,300
110	Directors' Fees	134,852	35,076	145,000	142,200	(2,800)
110	Election Expense	139,414	0	100,000	100,000	0
Total . . . General Managers Office		1,196,854	500,444	1,816,600	1,831,200	14,600

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Administration								
110	Labor Expense RT	521001	Labor Expense RT	281,102	0	715,800	502,800	(213,000)
110	Labor Expense OT	522001	Labor Expense OT	1,295	241	2,000	2,000	0
110	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	13,800	13,800
110	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	6,800	6,800
110	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	13,000	13,000
110	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	80,900	80,900
110	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	44,700	44,700
110	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	900	900
110	Temp & Contract Labor	531005	Temp Ctr Labor Succession Pos	0	0	100,000	0	(100,000)
110	Printing	553001	Printing	450	0	2,500	2,500	0
110	Postage Services	554001	Postage Services	85	0	200	200	0
110	Permits, Licenses and Fees	555001	Permits Licenses And Fees	8,003	10,482	12,000	6,000	(6,000)
110	Permits, Licenses and Fees	555012	Permits Lic LAFCO	48,843	24,843	43,000	30,000	(13,000)
110	Permits, Licenses and Fees	555017	Permits Lic Property Tax	26,799	26,862	27,000	53,000	26,000
110	Permits, Licenses and Fees	555025	Permits Lic Special Assessment	10,247	12,798	10,500	0	(10,500)
110	Office Supplies	556001	Office Supplies	2,112	1,870	4,000	4,000	0
110	Rep & Maint IRWD	572001	Rep Maint IRWD	80	0	0	0	0
110	Legal Fees	582001	Legal Fees General Services	49,098	22,383	55,000	55,000	0
110	Legal Fees	582002	Legal Fees Fin Real Prop Issues	47,256	6,333	45,000	45,000	0
110	Legal Fees	582003	Legal Fees Interagency Issues	50,478	13,633	25,000	25,000	0
110	Legal Fees	582004	Legal Fees Legislative Issues	22,733	3,875	35,000	35,000	0
110	Legal Fees	582005	Legal Fees Litigation	6,204	1,538	100,000	100,000	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
110	Legal Fees	582006	Legal Fees Personnel Issues	15,554	492	7,500	7,500	0
110	Legal Fees	582007	Legal Fees Special Projects	48,315	25,861	50,000	50,000	0
110	Personnel Training	586001	Personnel Conferences	57,387	26,365	60,000	60,000	0
110	Personnel Training	586002	Personnel Memberships	106,386	80,089	100,000	100,000	0
110	Personnel Training	586003	Training Publications	3,572	0	7,500	5,000	(2,500)
110	Personnel Training	586004	Personnel Training	343	607	500	500	0
110	Personnel Training	586016	Employee recognition	84	600	25,000	25,000	0
110	Other Professional Fees	588001	Professional Meetings	792	12,237	0	24,000	24,000
110	Other Professional Fees	588002	Professional Services	73,414	20,285	60,000	0	(60,000)
110	Other Professional Fees	588003	Advertisements	2,975	3,919	0	5,000	5,000
110	Other Professional Fees	588008	Certification Renewals	0	125	0	0	0
110	Other Professional Fees	588011	Committee Meetings	7,849	0	2,500	0	(2,500)
110	Other Professional Fees	588015	Consultants	1,936	141,568	0	210,000	210,000
110	Other Professional Fees	588028	General And Misc Expense	8,041	17,365	40,000	40,000	0
110	Other Professional Fees	588030	Intergovernmental Expenses	80	0	2,500	1,000	(1,500)
110	Other Professional Fees	588031	IRWD Related Cntrbtions To Others	15,300	0	20,000	20,000	0
110	Other Professional Fees	588042	Special Events	17,277	0	10,000	10,000	0
110	Other Professional Fees	588044	Sponsorships	8,500	11,000	0	0	0
110	Other Professional Fees	588047	Water Education Foundation	0	0	9,100	10,400	1,300
110	Directors' Fees	589001	Board of Directors Fees	134,852	35,076	145,000	142,200	(2,800)
110	Election Expense	593001	Election expense	139,414	0	100,000	100,000	0
Total . . . General Managers Office				1,196,854	500,444	1,816,600	1,831,200	14,600



SAFETY AND SECURITY OPERATING BUDGET SUMMARY

Program Description

The Safety and Security Department provides necessary resources to promote a safe and healthful work environment for District employees through required safety training as mandated in Cal-OSHA Regulations. The Department is committed to ensuring, to the extent possible, that all employees are provided adequate training to safely perform their jobs, both on-site and in the field. The Safety and Security Department continually monitors current and pending legislation affecting the District. Appropriate policies are developed or revised to ensure the constant pursuit and maintenance of a safe and healthful workplace that is in compliance with regulations.

The Safety "Awareness" program continues to encourage employees to constantly think about safety (awareness) and establishing as a part of IRWD business philosophy has been implemented. The Safety & Security Department works to increase employee involvement throughout at all levels of the District utilizing All Hands Meetings, Tailgate Safety Meetings, and Safety training sessions, Workplace Evaluations, Industrial Hygiene Evaluations and the General Safety Committee Meetings

The Safety & Security Office maintains all required Cal.-OSHA record keeping and ensures the annual posting of the Cal.-OSHA 300A Form- Summary of Illness & Injuries. The department is responsible for Hazardous disclosures, annual fire inspections and Process Safety Management (PCM) documentation.

A major component of transitioning to the Safety Awareness Program is maintenance of electronic message and bulletin boards. Through all of these messaging devices and programs, the intent is to promote safety awareness at all levels within the district toward the common goal of occupational injury and illness prevention.

The Safety & Security office administers the district Commuter Trip Reduction (Ridesharing) Plan under HR Policy 37 including oversight of the vanpool program (insuring compliance with Air Quality Management Control District and securing monthly subsidy dollars from Orange County Transit Authority).

The Safety & Security office administers, oversees and coordinates operations and services of IRWD Emergency Operations Center (primary and secondary locations). The office represents IRWD for all cities within the 180 sq mile service area, Water Emergency Response Orange County (WEROC), the County Operational Area (OA), State Emergency Management and Federal Emergency Management Agencies for emergency management coordination and declarations.

The Safety and Security Department is also tasked with managing the security program for the District. This responsibility includes development/maintenance of security polices in concert with District Staff requirements and federal Threat Level Alerts developed by the U.S. Department of

Homeland Security. Additionally, the Safety & Security Department has the responsibility of coordinating security responses as needed to the Vulnerability Assessment under a requirement of the Bioterrorism Act of 2002. The Safety & Security Department chairs the District Security Process Team comprised of several members of Senior Staff. This team is tasked with review or developing District policy changes affecting the security of District assets and its employees.



SAFETY AND SECURITY

OPERATING BUDGET SUMMARY

Major Goals

- Ensure that all employees continue to receive training as required by appropriate regulatory requirements, i.e., CPR/First Aid, Respiratory Protection, Confined Space Entry, Lockout/Tagout, HazMat, Fire/Evacuation, Hazard Communication, Hazardous Materials, Hearing Conservation, Mobile Crane training, Traffic Control etc.
- Update Electronic Message Boards & Bulletin Boards
- Ensure proper training and equipment for HAZMAT team
- Edit and distribute Emergency Call Out Directory to all IRWD employees
- Updates and distribution of IRWD Emergency Plan (red binder).
- Maintain accurate and updated MSDS (as required by law) and make electronically available to all employees
- Schedule/conduct evacuation drills as required for all District facilities
- Develop and implement required security procedures/policies based on Security Process Team
- Maintain security training programs tailored to specific audiences
- Maintain and oversee installation security monitoring at District facilities
- Continue development of Energy Control Procedures with appropriate departments and continue have them available electronically
- Facilitate emergency exercises and continue compliance activities with National Incident Management System (NIMS) and Standardized Emergency Management System (SEMS)
- Maintain EOC facilities and equipment; standardize and maintain supplies for primary and secondary locations for IRWD's Emergency Operations Center (EOC).
- Coordinate with area specific agencies for Emergency Preparedness for Plan Specific Response; example work with Orange County Fire, the Inter-Canyon League and IRWD Ops to to review Wild Land Interface Response within the IRWD fire and flood plans
- Continue conducting Employee New Hire Orientations that includes orientation to NIMS and SEMS Training and familiarization to the Emergency Operations Center (EOC)
- Investigate incidents and provide recommendations to appropriate personnel
- Maintain rider participation to ensure OCTA subsidy within vanpool program; coordinate with Fleet for fuel use, Toll Roads for transponder usage and IRWD van riders for participation logs
- Maintain current agreements of employee participation in the rideshare program (both written record and database)
- Maintain compliance with California Accidental Release Program (Cal-ARP) and Process Safety Management (PSM) programs
- Provide opportunities for employees to obtain vaccinations for potential exposures
- Ensure IRWD stocks the appropriate Personal Protective Equipment for employees (per SWP 5)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Administration						
130	Labor Expense RT	180,210	0	219,800	246,300	26,500
130	Labor Expense OT	2,538	154	2,600	0	(2,600)
130	Employee Benefits	0	0	0	78,400	78,400
130	Temp & Contract Labor	0	4,335	0	0	0
130	Operating Supplies	42,259	16,475	76,600	84,000	7,400
130	Printing	0	2,710	8,500	7,900	(600)
130	Postage Services	0	0	500	400	(100)
130	Permits, Licenses and Fees	15,980	9,821	18,000	20,000	2,000
130	Office Supplies	2,271	705	2,200	2,200	0
130	Rep & Maint IRWD	2,442	119	5,000	5,000	0
130	Personnel Training	39,447	32,861	141,600	102,850	(38,750)
130	Personnel Physicals	13,886	10,220	21,800	23,200	1,400
130	Other Professional Fees	19,038	9,948	35,000	37,000	2,000
130	Mileage Reimbursement	0	9,425	0	0	0
130	Safety	136,906	19,849	96,800	70,000	(26,800)
130	Other	168,842	118,456	208,200	259,000	50,800
Total . . . Safety and Security						
		623,820	235,078	836,600	936,250	99,650

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Administration								
130	Labor Expense RT	521001	Labor Expense RT	180,210	0	219,800	246,300	26,500
130	Labor Expense OT	522001	Labor Expense OT	2,538	154	2,600	0	(2,600)
130	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	6,800	6,800
130	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	3,300	3,300
130	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	6,400	6,400
130	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	39,600	39,600
130	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	21,900	21,900
130	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	400	400
130	Temp & Contract Labor	531001	Temp Contract Labor RT	0	4,335	0	0	0
130	Operating Supplies	552001	Operating Supplies	0	286	0	0	0
130	Operating Supplies	552002	Op Supl Cable Service	2,124	1,157	2,400	2,600	200
130	Operating Supplies	552008	Op Supl Emerg Preparedness Mtrl	2,077	17	4,000	4,000	0
130	Operating Supplies	552010	Op Supl Hazmat Supl	850	1,372	6,500	6,500	0
130	Operating Supplies	552013	Op Supl Lockout Tagout	0	373	2,000	2,000	0
130	Operating Supplies	552015	Op Supl Medical Supl	15	0	0	0	0
130	Operating Supplies	552016	Op Supl Med Supl For 1stAid Kits	1,460	0	1,200	1,200	0
130	Operating Supplies	552017	Op Supl Med Supl For Stocking	5,898	3,408	5,500	5,200	(300)
130	Operating Supplies	552021	Op Supl Presc Safety Glasses	887	610	2,000	10,000	8,000
130	Operating Supplies	552024	Op Supl Safety Awareness	220	686	10,000	10,000	0
130	Operating Supplies	552025	Op Supl Safety Library	1,090	2,666	4,000	4,000	0
130	Operating Supplies	552026	Op Supl Safety Shoes	26,906	5,828	34,500	34,500	0
130	Operating Supplies	552032	Op Supl Signs	0	0	2,000	2,000	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
130	Operating Supplies	552038	Op Supl Warehouse inventory	669	72	2,500	2,000	(500)
130	Operating Supplies	552042	Op Supl Safety Supl PPE	62	0	0	0	0
130	Printing	553001	Printing	0	10	0	0	0
130	Printing	553012	Printing Emergency Call Out	0	1,706	4,000	4,000	0
130	Printing	553013	Printing Emerg Plan Revisions	0	0	1,000	1,000	0
130	Printing	553015	Printing Incident Forms	0	0	500	500	0
130	Printing	553016	Printing Letterhead Forms Labels	0	0	1,000	1,000	0
130	Printing	553019	Printing Open House Materials	0	59	0	0	0
130	Printing	553024	Printing Safety Manuals	0	240	1,000	1,000	0
130	Printing	553026	Printing Visitor Labels	0	694	1,000	400	(600)
130	Postage Services	554001	Postage Services	0	0	500	400	(100)
130	Permits, Licenses and Fees	555009	Permits Lic Hzmt Discl - Bus Emrg Pln	15,980	9,821	18,000	20,000	2,000
130	Office Supplies	556001	Office Supplies	587	452	1,200	1,200	0
130	Office Supplies	556004	Office Supl Emrgncy Preprdncs	1,685	45	1,000	1,000	0
130	Office Supplies	556007	Office Supl Furniture And Equip	0	208	0	0	0
130	Rep & Maint IRWD	572003	Rep IRWD Equipment	841	119	3,000	3,000	0
130	Rep & Maint IRWD	572061	Rep IRWD Hazmat Equip	1,601	0	2,000	2,000	0
130	Personnel Training	586001	Personnel Conferences	369	561	8,000	8,000	0
130	Personnel Training	586002	Personnel Memberships	536	540	600	600	0
130	Personnel Training	586003	Training Publications	427	0	1,500	1,500	0
130	Personnel Training	586004	Personnel Training	(198)	928	0	0	0
130	Personnel Training	586005	Training Asbestos	0	0	2,250	2,250	0
130	Personnel Training	586006	Training Catering	189	0	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
130	Personnel Training	586008	Training CPR 1stAid Blood	16,388	0	15,100	15,100	0
130	Personnel Training	586009	Training Crane Cert	234	21,839	66,600	25,000	(41,600)
130	Personnel Training	586012	Training Defensive Driver	10,419	0	12,600	12,400	(200)
130	Personnel Training	586015	Employee appreciation meeting	0	456	0	0	0
130	Personnel Training	586016	Employee recognition	0	4,235	0	0	0
130	Personnel Training	586017	Training Hazmat	5,178	343	3,100	8,000	4,900
130	Personnel Training	586019	Training Incident Commander	72	0	2,600	2,000	(600)
130	Personnel Training	586020	Training Leadership	1,114	0	4,100	4,000	(100)
130	Personnel Training	586021	Training NIMS Emerg Plan Revise	304	0	5,000	4,000	(1,000)
130	Personnel Training	586027	Training Technical	4,352	3,960	6,850	7,000	150
130	Personnel Training	586028	Training Traffic Control	64	0	6,300	6,000	(300)
130	Personnel Training	586029	Training Trench And Shoring	0	0	7,000	7,000	0
130	Personnel Physicals	587001	Pers Physicals Clinic Services	1,720	3,901	0	0	0
130	Personnel Physicals	587003	Pers Physicals Hazmat Physical	2,005	0	5,000	6,000	1,000
130	Personnel Physicals	587004	Pers Physicals Hearing Testing	825	0	2,200	2,200	0
130	Personnel Physicals	587005	Pers Physicals Immunizations	4,215	3,025	9,600	10,000	400
130	Personnel Physicals	587007	Pers Physicals Resprtory Tsting	5,121	3,294	5,000	5,000	0
130	Other Professional Fees	588001	Professional Meetings	344	357	1,000	1,000	0
130	Other Professional Fees	588011	Committee Meetings	0	36	0	0	0
130	Other Professional Fees	588016	Consulting Services In PSM	16,030	9,554	28,000	30,000	2,000
130	Other Professional Fees	588029	Industrial Hygiene Services	2,665	0	6,000	6,000	0
130	Mileage Reimbursement	591001	Auto Allowance	0	9,425	0	0	0
130	Safety	594002	Safety Departmental Safety Inctv	128,789	17,921	26,800	0	(26,800)

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
130	Safety	594005	Safety Apparel	0	275	0	0	0
130	Safety	594006	Safety Equipment	0	556	0	0	0
130	Safety	594007	Safety Incentive Lunches	8,117	1,097	0	0	0
130	Safety	594008	Safety Awareness Prog	0	0	70,000	70,000	0
130	Other	595002	Other Alarm Services	23,339	21,861	28,000	70,000	42,000
130	Other	595004	Other Commuter Program	55,274	10,168	27,000	12,000	(15,000)
130	Other	595006	Other Contract Commuter Van	43,623	54,302	96,000	108,000	12,000
130	Other	595009	Other Patrol Services	40,784	25,900	50,000	60,000	10,000
130	Other	595010	Other Toll Road Rdshr Transpndrs	5,055	6,225	7,200	9,000	1,800
130	Other	595011	Other Security Hardware Aupport	767	0	0	0	0
Total . . . Safety and Security				623,820	235,078	836,600	936,250	99,650



HUMAN RESOURCES

OPERATING BUDGET SUMMARY

Program Description

Human Resources provides comprehensive personnel management in order to maximize the potential of the District's human resources and overall employee satisfaction. Human Resources is responsible for attracting, developing and sustaining a motivated, productive and highly qualified work force. Human Resources ensures that the District provides a competitive compensation and benefits package; continuous improvement through employee training; fair and consistent policies, procedures and guidelines; and a program that rewards and recognizes employees for their contribution to District goals. Human Resources promotes an open exchange of information and communication throughout the District in order to build trust, enhance understanding and provide for resolution of problems and complaints.

Major Goals

- Continue stabilization and optimization activities related to new Oracle software.
- Implement software and provide District-wide training for NeoGov modules for Recruitment/ Applicant Tracking and Performance Evaluations.
- Continue implementation of District-wide Succession Plan to actively and successfully align employee career development with District goals and objectives to enhance retention and development of key employees and to ensure that current and future business needs are met.
- Continue implementation of mentoring program.
- Conduct supervisory skill training, policy training, career planning training and Employee Enrichment training.
- Continue to update position descriptions as needed.
- Put all position descriptions and HR policies on the IRWD website.
- Continue to monitor cost effectiveness of self-funded Workers' Compensation program.
- Review compensation, benefits, and levels of productivity for selected positions
- Review and monitor all policies and procedures for appropriateness and ensure compliance with constantly changing laws and regulations.

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Administration						
140	Labor Expense RT	307,035	0	543,700	562,800	19,100
140	Labor Expense OT	2,516	2,711	3,500	5,000	1,500
140	Employee Benefits	11,403,262	5,579,346	13,043,550	5,572,450	(7,471,100)
140	Temp & Contract Labor	0	0	2,500	2,500	0
140	Operating Supplies	0	6	0	0	0
140	Printing	2,565	2,685	4,000	4,000	0
140	Postage Services	55	0	100	100	0
140	Office Supplies	728	798	2,500	2,500	0
140	Rep & Maint IRWD	89	0	100	100	0
140	Insurance	14,588	0	0	0	0
140	Legal Fees	(2,922)	17,369	35,000	50,000	15,000
140	Personnel Training	238,602	48,526	323,500	323,500	0
140	Personnel Physicals	6,567	3,889	12,000	12,000	0
140	Other Professional Fees	61,890	39,579	87,000	87,000	0
140	Mileage Reimbursement	0	99	0	0	0
140	Other	0	370	0	0	0
<hr/>						
Total . . . Human Resources		12,034,974	5,695,378	14,057,450	6,621,950	(7,435,500)
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Total . . . Administration		13,855,648	6,430,900	16,710,650	9,389,400	(7,321,250)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Administration								
140	Labor Expense RT	521001	Labor Expense RT	307,035	0	543,700	562,800	19,100
140	Labor Expense OT	522001	Labor Expense OT	2,516	2,711	3,500	5,000	1,500
140	Employee Benefits	523001	Benefits 1959 Survivor Bene	13,478	0	14,350	15,000	650
140	Employee Benefits	523002	Benefits 401A Employer Portion	1,057,180	0	717,600	15,500	(702,100)
140	Employee Benefits	523003	Benefits CID Health Insurance	16,319	15,716	39,000	34,500	(4,500)
140	Employee Benefits	523004	Benefits Dental Premiums	262,901	241,069	374,000	395,100	21,100
140	Employee Benefits	523005	Benefits Empl Asst Prog Prem	10,449	3,895	10,150	10,500	350
140	Employee Benefits	523006	Benefits Health Ins Actives	3,653,043	1,836,751	3,818,000	3,826,330	8,330
140	Employee Benefits	523007	Benefits Life Ins Actives	464,476	51,393	288,750	171,300	(117,450)
140	Employee Benefits	523008	Benefits Life Ins Retirees	13,312	27,401	7,900	12,000	4,100
140	Employee Benefits	523009	Benefits LT Disability Premiums	83,919	16,857	99,850	107,000	7,150
140	Employee Benefits	523010	Benefits Medical Prem Retirees	29,330	9,381	63,650	68,500	4,850
140	Employee Benefits	523011	Benefits Medicare Tax	315,985	0	322,400	7,600	(314,800)
140	Employee Benefits	523012	Benefits PERS Employee Portion	1,731,635	663,632	1,244,400	14,500	(1,229,900)
140	Employee Benefits	523013	Benefits PERS Employer Portion	2,878,306	2,227,689	4,419,300	90,500	(4,328,800)
140	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	309,400	50,100	(259,300)
140	Employee Benefits	523015	Benefits PERS Repl Fund Repymt	0	0	248,900	0	(248,900)
140	Employee Benefits	523016	Benefits RHCAP Payments	284,575	181,550	240,000	285,720	45,720
140	Employee Benefits	523017	Benefits SCWD Health Insurance	10,304	6,966	11,500	12,300	800
140	Employee Benefits	523018	Benefits St Unemployment Tax	30,422	55,894	58,200	1,000	(57,200)
140	Employee Benefits	523019	Benefits Vision Benefit Prem	68,017	33,738	70,200	72,000	1,800
140	Employee Benefits	523020	Benefits Work Comp Claims Rsrv	(838)	(1,419)	350,000	0	(350,000)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
140	Employee Benefits	523021	Benefits Wrkrs Comp Premiums	220,369	135,781	300,000	345,000	45,000
140	Employee Benefits	523022	Benefits Wrkrs Comp Self Insured	0	0	5,000	5,000	0
140	Employee Benefits	523023	Benefits Wrkrs Comp TPA	411	14,457	31,000	33,000	2,000
140	Employee Benefits	523024	Benefits District Veh Use Tax	92	0	0	0	0
140	Employee Benefits	523026	Benefits Wrkrs Comp	259,576	58,596	0	0	0
140	Temp & Contract Labor	531001	Temp Contract Labor RT	0	0	2,500	2,500	0
140	Operating Supplies	552038	Op Supl Warehouse inventory	0	6	0	0	0
140	Printing	553014	Printing ID Card Printing Supl	1,795	2,685	2,500	2,500	0
140	Printing	553020	Printing Personnel Comm	770	0	1,500	1,500	0
140	Postage Services	554001	Postage Services	55	0	100	100	0
140	Office Supplies	556001	Office Supplies	728	798	2,500	2,500	0
140	Rep & Maint IRWD	572001	Rep Maint IRWD	89	0	100	100	0
140	Insurance	581006	Insurance Third Party Admnstrtr	14,588	0	0	0	0
140	Legal Fees	582006	Legal Fees Personnel Issues	(2,922)	17,369	35,000	50,000	15,000
140	Personnel Training	586001	Personnel Conferences	2,752	0	2,500	2,500	0
140	Personnel Training	586002	Personnel Memberships	2,419	2,000	2,500	2,750	250
140	Personnel Training	586003	Training Publications	492	0	2,000	1,750	(250)
140	Personnel Training	586007	Training Class A Lic Inctv	5,800	0	7,000	7,000	0
140	Personnel Training	586013	Educational incentive	16,750	4,250	22,000	22,000	0
140	Personnel Training	586014	Educational reimbursement	96,874	23,715	88,000	88,000	0
140	Personnel Training	586015	Employee appreciation meeting	5,941	5,156	10,000	10,000	0
140	Personnel Training	586016	Employee recognition	88,036	9,567	100,000	100,000	0
140	Personnel Training	586018	Training HR Sponsored	6,330	198	47,000	47,000	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
140	Personnel Training	586020	Training Leadership	1,200	0	7,500	7,500	0
140	Personnel Training	586024	Training Srv And Retr Awrd	3,185	3,642	5,000	5,000	0
140	Personnel Training	586025	Training Succession Planning	6,660	0	20,000	20,000	0
140	Personnel Training	586026	Training Supervisory Cert Pgm	2,100	0	10,000	10,000	0
140	Personnel Training	586030	Trng Mentoring Career Dvlp	64	0	0	0	0
140	Personnel Physicals	587002	Pers Physicals First Aid	1,427	0	2,000	2,000	0
140	Personnel Physicals	587006	Pers Physicals	5,140	3,889	10,000	10,000	0
140	Other Professional Fees	588006	Background Investigations	100	2,293	5,000	5,000	0
140	Other Professional Fees	588012	Community Activity Group	0	39	1,000	1,000	0
140	Other Professional Fees	588015	Consultants	0	6,805	20,000	20,000	0
140	Other Professional Fees	588021	Employee Recruiting	3,619	30,529	25,000	25,000	0
140	Other Professional Fees	588022	Employee Testing	3,211	433	2,000	2,000	0
140	Other Professional Fees	588023	Employee Wellness Program	6,314	2,210	12,000	12,000	0
140	Other Professional Fees	588027	Flex Spending Admin Fees	14,585	(2,730)	10,000	10,000	0
140	Other Professional Fees	588035	New Employee Moving Expense	0	0	1,000	1,000	0
140	Other Professional Fees	588037	Outplacement Services	34,062	0	11,000	11,000	0
140	Mileage Reimbursement	591003	Mileage Reimbursement	0	99	0	0	0
140	Other	595006	Other Contract Commuter Van	0	370	0	0	0
Total . . . Human Resources				12,034,974	5,695,378	14,057,450	6,621,950	(7,435,500)
Total . . . Administration				13,855,648	6,430,900	16,710,650	9,389,400	(7,321,250)



FINANCE AND TREASURY

OPERATING BUDGET SUMMARY

Program Description

The Finance Department is responsible for the official accounting records of the Irvine Ranch Water District, and for providing all financial and administrative management of the District's fixed-income and real estate investments, new and existing debt issues, and deferred compensation programs. In addition, this department provides a wide range of accounting and financial services including payroll, accounts payable, accounts receivable, project accounting, utility billing, financial analysis, financial reporting and coordinating the preparation of the District's annual Board-approved operating budget and Comprehensive Annual Financial Report. The Finance Department oversees risk management and insurance issues as well as reviews and audits of major contracts.

The mission of the Finance Department is to safeguard assets and to provide financial and accounting services in a timely, reliable, high quality, cost-effective manner that meets the requirements of the District's customers.

Major Goals

ACCOUNTING

- Prepare and submit accurate financial reports and relevant tax returns to federal, state, county and district agencies within established legal deadlines and requirements.
- Prepare and submit accurate financial operating reports to the District's Board of Directors quarterly and annually to identify significant budget deviations and to update fiscal forecasts.
- Coordinate the District's annual financial statement audit and submit the District's annual audited financial statements for approval in October/November.
- Prepare a Comprehensive Annual Financial Report (CAFR) for fiscal year 2011-12 and submit for a certificate of award to the Government Finance Officer's Association (GFOA) by calendar year-end.
- Prepare and present the FY 2012-13 Operating Budget to the Board of Directors including setting adequate rate levels to ensure financial strength and stability.
- Lead customer noticing effort for Proposition 218 compliance (operating budget, rates and charges).
- Prepare accounts payable and payroll checks and process remittances on schedule with an error rate of less than one-half of one percent. Process accounts payable checks on a weekly basis, except for emergency checks, payroll-related checks, and vendors offering approved discounts.
- Complete the stabilization and optimization phases of the District-wide Financial Management System Replacement implementation. This effort is intended to increase management visibility and accountability at level of detail that is not currently tracked in our financial systems, eliminate duplicate data entry, and enable greater analytical decision support.



FINANCE AND TREASURY

OPERATING BUDGET SUMMARY

- Refine contract auditing process and scheduling; identify at least three major contracts for additional review.

INVESTMENTS AND CASH MANAGEMENT

- Invest District funds in a prudent and professional manner that will provide maximum security of principal, an optimal rate of return and sufficient liquidity to meet working capital requirements.
- Prepare and submit accurate investment reports and the annual investment policy to the Board of Directors and other interested parties within established time frames.
- Improve short and long-term cash flow models and cash management practices.
- Execute, monitor and report on interest rate swap transactions as appropriate.

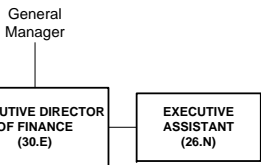
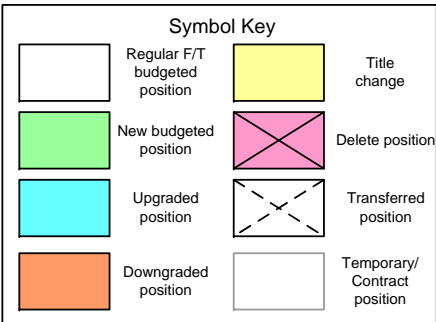
REAL ESTATE

- Complete final map approval process for property located in Lake Forest.
- Continue development of Sand Canyon office project in Irvine, when market conditions warrant.
- Monitor and report on the performance of all real estate projects.

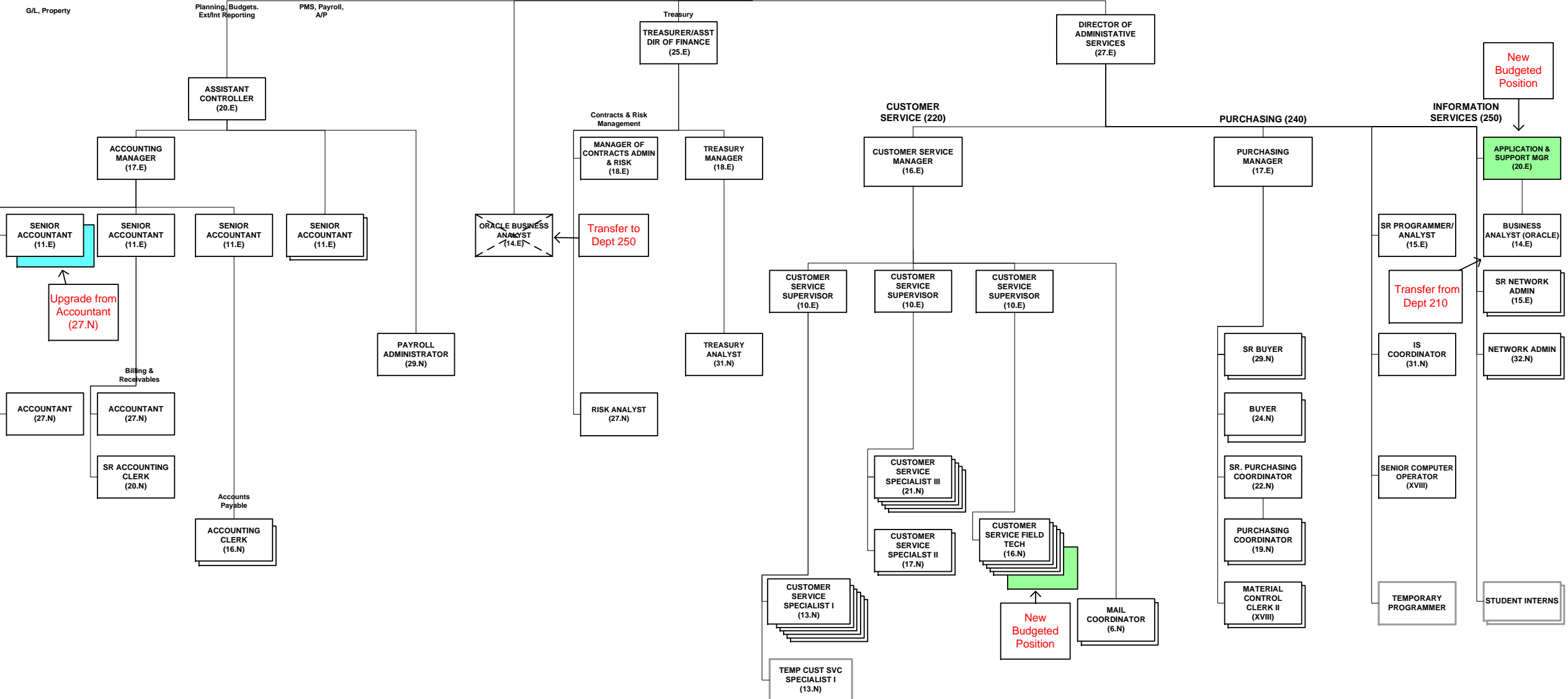
DEBT ISSUANCE AND ADMINISTRATION

- Issue long-term debt to fund capital facilities as needed.
- Prepare and submit continuing disclosure materials on debt issues to appropriate parties.
- Monitor variable interest rates set by remarketing agents on District debt and make adjustments as appropriate.

**IRVINE RANCH WATER DISTRICT
FINANCE AND ADMINISTRATION
PROPOSED FISCAL YEAR 2012-13**



-----FINANCE/TREASURY (210)-----



Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Finance & Administrative Service						
210	Labor Expense RT	1,105,287	0	1,995,000	2,041,700	46,700
210	Labor Expense OT	7,719	26,421	2,500	5,000	2,500
210	Employee Benefits	0	0	0	651,000	651,000
210	Temp & Contract Labor	3,600	0	0	0	0
210	Operating Supplies	1,286	113	2,500	2,500	0
210	Printing	42,411	16,760	46,500	48,500	2,000
210	Postage Services	2,042	13,199	3,500	15,000	11,500
210	Permits, Licenses and Fees	0	37,870	0	0	0
210	Office Supplies	4,234	2,798	10,000	8,000	(2,000)
210	Rep & Maint IRWD	9,773	0	0	0	0
210	Insurance	603,542	384,451	535,000	650,000	115,000
210	Legal Fees	1,187	26,767	0	0	0
210	Accounting Fees	74,720	61,590	92,500	82,500	(10,000)
210	Data Processing	63,399	16,380	65,000	66,000	1,000
210	Personnel Training	12,589	9,595	22,200	22,500	300
210	Other Professional Fees	215,392	83,652	210,500	210,000	(500)
210	Mileage Reimbursement	0	15	0	0	0
210	Collection Fees	23,982	4,414	30,000	20,000	(10,000)
Total . . . Finance and Treasury		2,171,164	684,024	3,015,200	3,822,700	807,500

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Finance & Administrative Services								
210	Labor Expense RT	521001	Labor Expense RT	1,105,287	0	1,995,000	2,041,700	46,700
210	Labor Expense OT	522001	Labor Expense OT	7,719	26,421	2,500	5,000	2,500
210	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	56,300	56,300
210	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	27,600	27,600
210	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	52,900	52,900
210	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	328,900	328,900
210	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	181,700	181,700
210	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	3,600	3,600
210	Temp & Contract Labor	531001	Temp Contract Labor RT	3,600	0	0	0	0
210	Operating Supplies	552001	Operating Supplies	1,286	92	2,500	2,500	0
210	Operating Supplies	552038	Op Supl Warehouse inventory	0	20	0	0	0
210	Printing	553002	Printing Annual Rpt Printing	0	0	0	0	0
210	Printing	553018	Printing Newspaper Publication	336	0	1,000	0	(1,000)
210	Printing	553023	Printing Prop 218 Notices	42,075	16,760	45,000	48,000	3,000
210	Printing	553025	Printing Scanning And Archiving	0	0	500	500	0
210	Postage Services	554001	Postage Services	2,042	13,199	3,500	15,000	11,500
210	Permits, Licenses and Fees	555001	Permits Licenses And Fees	0	16,380	0	0	0
210	Permits, Licenses and Fees	555017	Permits Lic Property Tax	0	21,490	0	0	0
210	Office Supplies	556001	Office Supplies	4,234	2,798	10,000	8,000	(2,000)
210	Rep & Maint IRWD	572103	Rep IRWD Opex And Wausau	9,773	0	0	0	0
210	Insurance	581001	Insurance Boiler And Machinery	0	0	0	0	0
210	Insurance	581002	Insurance Crime	7,779	0	8,500	8,500	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
210	Insurance	581003	Insurance General Liability	285,531	155,346	300,000	322,500	22,500
210	Insurance	581004	Insurance Pollution	39,098	19,549	40,000	113,000	73,000
210	Insurance	581005	Insurance Property	153,961	92,022	162,500	182,000	19,500
210	Insurance	581006	Insurance Third Party Admnstrtr	9,425	5,728	24,000	24,000	0
210	Insurance	581007	Insurance Below Dedctble Loss	101,422	111,807	0	0	0
210	Insurance	581008	Insurance Risk Mgmt Consulting	6,894	0	0	0	0
210	Insurance	581009	Insurance Risk Mgmt Subscription	288	0	0	0	0
210	Insurance	581010	Insurance General Insur SCWD	(856)	0	0	0	0
210	Legal Fees	582001	Legal Fees General Services	1,187	6,767	0	0	0
210	Legal Fees	582007	Legal Fees Special Projects	0	20,000	0	0	0
210	Accounting Fees	584001	Accounting Fees Audit Fees	60,440	61,590	65,000	65,000	0
210	Accounting Fees	584002	Accounting Fees OCSD AUP Cash Resrvs	0	0	5,000	5,000	0
210	Accounting Fees	584003	Accounting Fees Prop 218 Audit	1,950	0	2,500	0	(2,500)
210	Accounting Fees	584004	Accounting Fees Special Projects	0	0	5,000	5,000	0
210	Accounting Fees	584006	Accounting Fees Tax Return Prep	4,830	0	7,500	7,500	0
210	Accounting Fees	584007	Accounting Fees Swap Valuation	7,500	0	7,500	0	(7,500)
210	Data Processing	585002	Data Processing Bloomberg Srvces	63,399	16,380	65,000	66,000	1,000
210	Personnel Training	586001	Personnel Conferences	7,520	4,178	10,000	10,000	0
210	Personnel Training	586002	Personnel Memberships	3,020	5,357	4,700	5,000	300
210	Personnel Training	586003	Training Publications	1,532	30	5,000	5,000	0
210	Personnel Training	586004	Personnel Training	517	0	2,500	2,500	0
210	Personnel Training	586016	Employee recognition	0	31	0	0	0
210	Other Professional Fees	588001	Professional Meetings	0	392	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
210	Other Professional Fees	588007	Banking	90,605	16,674	66,000	78,000	12,000
210	Other Professional Fees	588011	Committee Meetings	648	0	1,000	1,000	0
210	Other Professional Fees	588015	Consultants	0	0	0	0	0
210	Other Professional Fees	588017	Custody Fees	6,074	2,766	5,000	5,000	0
210	Other Professional Fees	588024	Expense Reports	1,308	497	2,500	2,000	(500)
210	Other Professional Fees	588026	Financial Report Preparation	5,280	4,700	5,000	5,000	0
210	Other Professional Fees	588028	General And Misc Expense	430	432	0	0	0
210	Other Professional Fees	588033	Meal Allowances	0	51	0	0	0
210	Other Professional Fees	588036	Opeb Actuarial Analysis	0	3,500	7,500	7,500	0
210	Other Professional Fees	588045	State Mandate Costs	0	0	3,500	3,500	0
210	Other Professional Fees	588051	Deferred Compensation Admin Exp	265	0	0	0	0
210	Other Professional Fees	588053	F And P Committee Meetings	667	558	0	0	0
210	Other Professional Fees	588054	Lockbox Fees	110,115	54,083	120,000	108,000	(12,000)
210	Mileage Reimbursement	591003	Mileage Reimbursement	0	15	0	0	0
210	Collection Fees	592001	Collection fees	23,982	4,414	30,000	20,000	(10,000)
Total . . . Finance and Treasury				2,171,164	684,024	3,015,200	3,822,700	807,500



ADMINISTRATIVE SERVICES

OPERATING BUDGET SUMMARY

Program Description

The Administrative Services group provides a wide range of support services that include Customer Service, Purchasing and Information Services.

The mission of the Customer Service Department is to provide the highest level of customer satisfaction by providing reliable, courteous and efficient service. The Customer Service Department provides new account entry, account billing, account support and mail distribution services.

The mission of the Purchasing Department is to provide its customers with reliable quality service and materials in a professional and timely manner using ethical procurement standards, in order to achieve a high level of customer satisfaction. The Purchasing Department provides procurement of materials and services for all departments within the District.

The mission of the Information Services Department is to research, develop, integrate and support reliable, cost effective information systems that meet the current and future business requirements of our customers and provide a high level of customer satisfaction. The Information Services Department provides implementation, management and support for the District's information systems, voice and data communications systems.

Major Goals

CUSTOMER SERVICE

- Ensure the Customer Service staff receives on-going training and re-training on delivering exceptional customer service both internally and externally.
- Receive and process all orders for new service and discontinuation of service on a daily basis.
- Create and process all new residential/commercial accounts with accurate billing information.
- Flow test and verify new meter sets for commercial accounts and master metered condos and apartments.
- Perform meter lid replacements and meter dig outs to ensure the condition of the service is up to District standards for accurate reading and free of hazardous conditions.
- Coordinate with Engineering on the GPS project.
- Update customer service procedures to reflect current processes.
- Review billing error queries to ensure accurate billing.
- Process daily walk-in payments and reconcile cash drawer.
- Scan and index documents in WebDocs.
- Create and track all applications for temporary construction meters.
- Read and process all temporary construction meter reads for monthly billing.
- Accept payments for processing temporary construction meters, applications for fire flow tests, and customer water bills.
- Prepare invoices to bill the City of Irvine, County of Orange, and Sunset Properties for the Fire hydrant water used for street sweeping and construction clean up.
- Coordinate and control the meter reading of approximately 101,500 meters with readings scheduled and performed on a daily basis.



ADMINISTRATIVE SERVICES

OPERATING BUDGET SUMMARY

- Process all meter reads from ACS and IRWD for accurate billing
- Process all special billings for looped and sub metered accounts.
- Process and insure the printing and mailing of all water/sewer bills in a timely manner (2 days from printer to Post Office).
- Receive, route and deliver all District mail, and process all outgoing mail.
- Respond in person, via telephone, and through written correspondence to customer complaints and inquiries in the field and in the office.
- Monitor and respond to customerservice@irwd.com and eBill@irwd.com inquiries.
- Analyze and resolve billing problems and calculate appropriate adjustments as necessary.
- Process variance requests for additional water allocation.
- Respond to field problems (leaks, no water complaints, high/low pressure, water quality, sewer problems, line breaks, etc.) maintaining continuous interaction with District personnel via two-way radio and paging system.
- Manage delinquent customer accounts and perform shut-offs on a weekly basis.
- Distribute weekly customer satisfaction surveys and maintain 90% customer satisfaction.
- Input Customer Satisfaction percent results into District's strategic measures Dashboard.
- Maintain the CSR computer system.
- Improve and enhance customer web access, and electronic billing and presentment to ensure convenience and ease of use.
- Evaluate the existing water bill and work with other departments to improve the look and content provided to customers.

PURCHASING

- Purchase materials, supplies and services as required in a timely manner with respect to quality, best pricing and meeting the needs and satisfaction of our internal customers.
- Process material/service requests timely and efficiently to meet the requirements of our customers.
- Maintain warehouse inventory fill rate at 100% and review slow moving inventory.
- Continue to update and expand the Purchasing section of the District website as processes change.
- Provide bi-annual procurement process training for all internal customers.
- Expand working knowledge of all Oracle applications including OBIEE.
- Streamline Oracle processes when possible to lessen the impact on our internal customers.
- Attain the achievement of excellence in purchasing award from the National Purchasing Institute.
- Provide ongoing customer support of the Oracle eBusiness Suite applications for procurement and inventory management.
- Scan Closed PO's, Supplier Assessment, Cal Cards, and Certificate of Insurance into Web Docs
- Successfully close Oracle FY 2011/12 PO's at year end.
- Evaluate all Oracle Open PO's before creating new FY2012/13 Open PO's.
- Continue ongoing evaluation of potential suppliers for IRWD.
- Expand participation in cooperative purchasing agreements.



ADMINISTRATIVE SERVICES

OPERATING BUDGET SUMMARY

INFORMATION SERVICES

- Provide helpful, courteous and timely support to all District staff.
- Provide internal and external software training that meets the needs of District staff.
- Provide a reliable network of servers, personal computers, printers and software applications that meet the needs of District staff.
- Provide reliable voice, data and wireless communications services to District staff.
- Develop new and improve existing software applications to meet the requirements of District staff.
- Complete scheduled hardware and software upgrades to District servers, personal computers, printers, network equipment and software applications.
- Complete implementation of the Web Based Backflow Assembly Tracking Application
- Complete implementation of the Intranet software system
- Complete implementation of the Agenda Management Software system
- Complete implementation of the Digital Asset Management Software system.
- Complete implementation of the Identity and Access Management software system
- Complete the Oracle Customer Care and Billing (CC&B) detailed functional software requirements analysis and issue a request for proposal for implementation services
- Begin Phase 1 of the Oracle CC&B software system implementation
- Begin the Budget and Planning application replacement assessment.
- Complete the development of the Enterprise Asset Management Strategy to maximize the utilization of IRWD's infrastructure assets while minimizing lifecycle costs
- Select the appropriate Enterprise Asset Management System software based on IRWD's functional needs and develop a work plan to implement the software system.

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Finance & Administrative Service						
220	Labor Expense RT	732,216	0	1,369,200	1,497,900	128,700
220	Labor Expense OT	35,345	15,394	20,000	20,000	0
220	Employee Benefits	0	0	0	477,600	477,600
220	Temp & Contract Labor	122,370	35,367	79,000	40,000	(39,000)
220	Other Utilities	0	0	8,000	0	(8,000)
220	Operating Supplies	1,959	315	2,000	2,000	0
220	Printing	44,052	17,999	47,000	38,750	(8,250)
220	Postage Services	601,760	210,955	536,800	498,100	(38,700)
220	Office Supplies	5,810	2,066	7,600	5,500	(2,100)
220	Equipment Rental	47,269	30,225	49,600	37,380	(12,220)
220	Rep & Maint IRWD	1,212	10	0	0	0
220	Personnel Training	2,134	1,991	2,200	3,000	800
220	Other Professional Fees	862	452	1,000	1,000	0
220	Collection Fees	1,405	243	1,000	1,000	0
220	Other	1,223,404	587,105	1,189,600	1,228,920	39,320
Total . . . Customer Service						
		2,819,798	902,122	3,313,000	3,851,150	538,150

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Finance & Administrative Services								
220	Labor Expense RT	521001	Labor Expense RT	732,216	0	1,369,200	1,497,900	128,700
220	Labor Expense OT	522001	Labor Expense OT	35,279	13,414	20,000	20,000	0
220	Labor Expense OT	522003	Labor Exp OT Indirect Project	66	1,980	0	0	0
220	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	41,200	41,200
220	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	20,200	20,200
220	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	38,800	38,800
220	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	241,300	241,300
220	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	133,400	133,400
220	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	2,700	2,700
220	Temp & Contract Labor	531001	Temp Contract Labor RT	121,621	4,001	79,000	40,000	(39,000)
220	Temp & Contract Labor	531006	Temp Ctr Labor Indirect Project	749	0	0	0	0
220	Temp & Contract Labor	531009	Temp Ctr Labor Non-IRWD Payroll	0	31,367	0	0	0
220	Other Utilities	544002	Answering Srv for Standby Pgm	0	0	8,000	0	(8,000)
220	Operating Supplies	552001	Operating Supplies	0	11	0	0	0
220	Operating Supplies	552006	Op Supl Eddy Valves And Other	623	231	1,000	1,000	0
220	Operating Supplies	552038	Op Supl Warehouse inventory	727	61	1,000	1,000	0
220	Operating Supplies	552041	Op Supl Work Equip Supl	0	12	0	0	0
220	Operating Supplies	552042	Op Supl Safety Supl PPE	609	0	0	0	0
220	Printing	553005	Printing Blue Var Ret Envelopes	0	0	250	500	250
220	Printing	553010	Printing Door Hangers	0	3,229	1,500	1,000	(500)
220	Printing	553027	Printing Water Bill Envelopes	44,052	14,770	45,000	37,000	(8,000)
220	Printing	553031	Printing Yellow Survey Rtn Envlp	0	0	250	250	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
220	Postage Services	554001	Postage Services	29,250	0	0	0	0
220	Postage Services	554002	Postage 1st Class Prsrt Pmit Fee	185	0	200	200	0
220	Postage Services	554003	Postage Business Reply Pmit Fee	185	190	200	200	0
220	Postage Services	554004	Postage Checkfree Svs Corp	107,263	59,703	129,600	121,200	(8,400)
220	Postage Services	554006	Postage Other District Mail	126,065	0	63,000	65,000	2,000
220	Postage Services	554007	Postage PO Box Renewal Fees	1,880	0	1,900	1,900	0
220	Postage Services	554008	Postage Quick Pay For Billmatrix	5,548	3,242	3,900	7,200	3,300
220	Postage Services	554010	Postage Survey Return Postage	1,000	1,000	1,000	1,000	0
220	Postage Services	554011	Postage Water Bills	330,075	146,440	337,000	300,000	(37,000)
220	Postage Services	554012	Postage Return Address Pstg Fee	310	380	0	1,400	1,400
220	Office Supplies	556001	Office Supplies	3,876	1,039	4,000	4,000	0
220	Office Supplies	556006	Office Supl Mail Room Equip	1,242	796	3,600	1,500	(2,100)
220	Office Supplies	556008	Office Supl Misc Office Exp	692	231	0	0	0
220	Equipment Rental	562009	Equip Rnt Mailroom Equip Lse	45,723	29,436	48,500	37,380	(11,120)
220	Equipment Rental	562010	Equip Rnt Postage Meter Rnt	1,546	789	1,100	0	(1,100)
220	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	1,212	10	0	0	0
220	Personnel Training	586001	Personnel Conferences	2,074	1,012	750	2,000	1,250
220	Personnel Training	586002	Personnel Memberships	0	0	700	0	(700)
220	Personnel Training	586004	Personnel Training	60	979	750	1,000	250
220	Other Professional Fees	588001	Professional Meetings	438	0	0	0	0
220	Other Professional Fees	588028	General And Misc Expense	424	429	1,000	1,000	0
220	Other Professional Fees	588033	Meal Allowances	0	23	0	0	0
220	Collection Fees	592002	Collection Fees Ringclear Automte	1,405	243	1,000	1,000	0

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
220	Other	595007	Other Contract Meter Read Svcs	1,223,404	587,105	1,189,600	1,228,920	39,320
Total . . . Customer Service				2,819,798	902,122	3,313,000	3,851,150	538,150

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Finance & Administrative Service						
240	Labor Expense RT	339,605	0	657,800	655,900	(1,900)
240	Labor Expense OT	5,165	22,266	4,000	4,000	0
240	Employee Benefits	0	0	0	210,200	210,200
240	Temp & Contract Labor	20,896	1,904	4,000	4,000	0
240	Telecommunication	31	0	0	0	0
240	Chemicals	0	(10,000)	0	0	0
240	Operating Supplies	90,564	47,749	96,500	104,000	7,500
240	Printing	9,502	4,724	10,000	10,000	0
240	Postage Services	3,678	844	3,500	3,500	0
240	Office Supplies	17,994	10,418	22,000	24,000	2,000
240	Duplicating Equipment	173,277	104,373	189,000	176,000	(13,000)
240	Equipment Rental	10,122	6,751	12,000	16,000	4,000
240	Rep & Maint IRWD	0	761	0	0	0
240	Personnel Training	3,048	2,427	6,500	6,500	0
240	Other Professional Fees	933	0	2,000	2,000	0
Total . . . Purchasing		674,814	192,216	1,007,300	1,216,100	208,800

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Finance & Administrative Services								
240	Labor Expense RT	521001	Labor Expense RT	339,605	0	657,800	655,900	(1,900)
240	Labor Expense OT	522001	Labor Expense OT	5,165	22,266	4,000	4,000	0
240	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	18,100	18,100
240	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	8,900	8,900
240	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	17,100	17,100
240	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	106,200	106,200
240	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	58,700	58,700
240	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	1,200	1,200
240	Temp & Contract Labor	531001	Temp Contract Labor RT	20,646	1,904	4,000	4,000	0
240	Temp & Contract Labor	531006	Temp Ctr Labor Indirect Project	250	0	0	0	0
240	Telecommunication	543008	Telephone Wireless Phones	31	0	0	0	0
240	Chemicals	551007	Chem Chlorine Gas	0	(10,000)	0	0	0
240	Operating Supplies	552001	Operating Supplies	33,229	16,053	12,500	30,000	17,500
240	Operating Supplies	552035	Op Supl Uniform Srv And Other	48,791	29,381	80,000	70,000	(10,000)
240	Operating Supplies	552038	Op Supl Warehouse inventory	8,279	92	0	0	0
240	Operating Supplies	552040	Op Supl Warehouse Surplus	180	2,223	4,000	4,000	0
240	Operating Supplies	552042	Op Supl Safety Supl PPE	85	0	0	0	0
240	Printing	553007	Printing Business Cards	5,017	3,539	7,000	7,000	0
240	Printing	553016	Printing Letterhead Forms Labels	3,608	1,021	3,000	3,000	0
240	Printing	553026	Printing Visitor Labels	877	164	0	0	0
240	Postage Services	554009	Postage Shipping Of Materials	3,678	844	3,500	3,500	0
240	Office Supplies	556001	Office Supplies	2,706	6,747	2,000	4,000	2,000

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
240	Office Supplies	556003	Office Supl District Copy Paper	15,288	3,671	20,000	20,000	0
240	Duplicating Equipment	561001	Copier Equip Cost Per Cpy Chrges	32,077	0	25,000	25,000	0
240	Duplicating Equipment	561002	Copier Equip Fax Scn Cpy Prnt	68,578	73,967	80,000	80,000	0
240	Duplicating Equipment	561003	Copier Equip Oce	62,796	30,407	62,000	62,000	0
240	Duplicating Equipment	561004	Copier Equip OCE Usage Fee	0	0	5,000	0	(5,000)
240	Duplicating Equipment	561005	Copier Equip Plotter Rental	9,594	0	16,000	8,000	(8,000)
240	Duplicating Equipment	561006	Copier Equip Supplies	232	0	1,000	1,000	0
240	Equipment Rental	562006	Equip Rnt Gas Cylinder	10,122	6,751	12,000	16,000	4,000
240	Rep & Maint IRWD	572032	Rep IRWD Class 2 Contracts	0	761	0	0	0
240	Personnel Training	586001	Personnel Conferences	2,755	2,013	4,000	4,000	0
240	Personnel Training	586002	Personnel Memberships	0	130	1,500	1,500	0
240	Personnel Training	586004	Personnel Training	293	283	1,000	1,000	0
240	Other Professional Fees	588001	Professional Meetings	79	0	0	0	0
240	Other Professional Fees	588038	Recycling Update Meetings	854	0	2,000	2,000	0
Total . . . Purchasing				674,814	192,216	1,007,300	1,216,100	208,800

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Finance & Administrative Service						
250	Labor Expense RT	445,697	0	784,500	1,000,000	215,500
250	Labor Expense OT	18,198	438	10,000	15,000	5,000
250	Employee Benefits	0	0	0	319,200	319,200
250	Temp & Contract Labor	110,198	24,554	242,000	192,000	(50,000)
250	Telecommunication	227,830	98,083	249,500	236,000	(13,500)
250	Operating Supplies	1,575	310	0	0	0
250	Printing	44,430	24,521	52,000	52,000	0
250	Postage Services	39	0	500	500	0
250	Office Supplies	1,006	0	1,000	1,000	0
250	Rep & Maint IRWD	240,961	153,740	263,300	233,500	(29,800)
250	Accounting Fees	4,146	0	0	0	0
250	Data Processing	596,991	511,358	884,900	1,110,950	226,050
250	Personnel Training	4,479	3,847	23,000	23,000	0
250	Personnel Physicals	120	0	0	0	0
250	Other Professional Fees	170	27,000	1,000	1,000	0
250	Mileage Reimbursement	152	0	0	0	0
250	Other	19,407	9,794	19,000	19,000	0
Total . . . Information Services		1,715,398	853,646	2,530,700	3,203,150	672,450
Total . . . Finance & Administrative Services		7,381,174	2,632,008	9,866,200	12,093,100	2,226,900

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Finance & Administrative Services								
250	Labor Expense RT	521001	Labor Expense RT	445,697	0	784,500	1,000,000	215,500
250	Labor Expense OT	522001	Labor Expense OT	18,198	438	10,000	15,000	5,000
250	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	27,500	27,500
250	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	13,500	13,500
250	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	26,000	26,000
250	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	161,300	161,300
250	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	89,100	89,100
250	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	1,800	1,800
250	Temp & Contract Labor	531001	Temp Contract Labor RT	109,501	22,874	175,000	125,000	(50,000)
250	Temp & Contract Labor	531002	Temp Ctr Labor Oracle DBA	0	0	67,000	67,000	0
250	Temp & Contract Labor	531006	Temp Ctr Labor Indirect Project	697	826	0	0	0
250	Temp & Contract Labor	531009	Temp Ctr Labor Non-IRWD Payroll	0	855	0	0	0
250	Telecommunication	543001	Telecommunication	63,993	34,954	82,000	72,000	(10,000)
250	Telecommunication	543002	Telephone Messaging Services	3,358	2,352	4,000	4,000	0
250	Telecommunication	543003	Telephone Satellite Comm	1,850	1,197	2,000	2,000	0
250	Telecommunication	543006	Telephone Supplies	3,184	1,272	3,000	3,000	0
250	Telecommunication	543008	Telephone Wireless Phones	155,445	58,307	158,500	155,000	(3,500)
250	Operating Supplies	552001	Operating Supplies	1,136	276	0	0	0
250	Operating Supplies	552038	Op Supl Warehouse inventory	438	34	0	0	0
250	Printing	553016	Printing Letterhead Forms Labels	(286)	0	0	0	0
250	Printing	553028	Printing Water Bill Forms	25,090	15,546	22,000	32,000	10,000
250	Printing	553029	Printing Bill Printer Cnsmbles	19,626	8,975	30,000	20,000	(10,000)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
250	Postage Services	554001	Postage Services	39	0	500	500	0
250	Office Supplies	556001	Office Supplies	1,006	0	1,000	1,000	0
250	Rep & Maint IRWD	572001	Rep Maint IRWD	184	0	0	0	0
250	Rep & Maint IRWD	572003	Rep IRWD Equipment	0	2,605	0	0	0
250	Rep & Maint IRWD	572006	Rep IRWD AC Frog Monitor SJR	0	(802)	0	0	0
250	Rep & Maint IRWD	572014	Rep IRWD Audio Visual Equip	5,966	0	3,000	3,000	0
250	Rep & Maint IRWD	572017	Rep IRWD Biolgcal Safety Cbnts CEPA	0	525	0	0	0
250	Rep & Maint IRWD	572042	Rep IRWD Data Center	29,630	18,303	22,300	22,500	200
250	Rep & Maint IRWD	572044	Rep IRWD Disaster Recovery	70,626	41,462	71,000	71,000	0
250	Rep & Maint IRWD	572047	Rep IRWD Electrical	12,968	326	20,000	20,000	0
250	Rep & Maint IRWD	572066	Rep IRWD IBM AS400	32,689	15,614	42,000	32,000	(10,000)
250	Rep & Maint IRWD	572100	Rep IRWD Natural Gas Generator	0	27	0	0	0
250	Rep & Maint IRWD	572106	Rep IRWD PC Network	40,004	58,555	65,000	65,000	0
250	Rep & Maint IRWD	572119	Rep IRWD Rolm	17,551	0	0	0	0
250	Rep & Maint IRWD	572135	Rep IRWD Telemetry	31,343	17,126	40,000	20,000	(20,000)
250	Accounting Fees	584007	Accounting Fees Swap Valuation	4,146	0	0	0	0
250	Data Processing	585001	Data Processing AS400	78,612	45,620	80,700	83,800	3,100
250	Data Processing	585002	Data Processing Bloomberg Srvces	958	546	0	0	0
250	Data Processing	585003	Data Processing Data Comm Equip	109,493	57,384	125,200	139,000	13,800
250	Data Processing	585004	Data Processing DEC VAX TImetry	0	875	10,000	10,000	0
250	Data Processing	585005	Data Processing GIS	96,210	67,671	97,300	98,550	1,250
250	Data Processing	585006	Data Processing Oracle	0	30,524	182,300	285,000	102,700
250	Data Processing	585007	Data Processing Outside Services	42,000	7,958	62,000	95,400	33,400

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
250	Data Processing	585008	Data Processing PC Network	176,946	257,813	213,100	275,000	61,900
250	Data Processing	585009	Data Processing Rolm	8,529	753	0	0	0
250	Data Processing	585010	Data Processing Supplies	19,080	6,888	29,000	29,000	0
250	Data Processing	585011	Data Processing Telemetry	65,162	35,324	85,300	95,200	9,900
250	Personnel Training	586001	Personnel Conferences	3,536	3,203	10,000	10,000	0
250	Personnel Training	586002	Personnel Memberships	495	0	1,000	1,000	0
250	Personnel Training	586003	Training Publications	448	644	1,500	1,500	0
250	Personnel Training	586004	Personnel Training	0	0	10,500	10,500	0
250	Personnel Physicals	587007	Pers Physicals Resprtory Tsting	120	0	0	0	0
250	Other Professional Fees	588028	General And Misc Expense	170	27,000	1,000	1,000	0
250	Mileage Reimbursement	591003	Mileage Reimbursement	152	0	0	0	0
250	Other	595005	Other Computer Backup Storage	19,407	9,794	19,000	19,000	0
Total . . . Information Services				1,715,398	853,646	2,530,700	3,203,150	672,450
Total . . . Finance & Administrative Services				7,381,174	2,632,008	9,866,200	12,093,100	2,226,900



ENGINEERING AND PLANNING

OPERATING BUDGET SUMMARY

Program Description

The Engineering and Planning Department provides planning, design and construction coordination to produce the water, wastewater and recycled water facilities necessary to provide the highest level of service to the customers of the District. In addition, the Department provides technical support to all other departments including Operations, Finance, Planning, Public Affairs, Water Quality and Administration.

Planning: The Planning and Technical Services group of the Department is responsible for all master planning and preliminary facility planning studies for new facilities. The Planning group provides GIS and CAD services to the other groups of the District and is responsible for managing District property and rights of way.

Capital Projects: The Capital Projects group designs and constructs major water, wastewater and recycled water treatment and transmission facilities necessary to improve the quality and reliability of service to existing and future customers of the District. This group is responsible for the expansion and improvement of water treatment and clean-up projects; design and construction of pipelines to allow the conversion of older areas to recycled water irrigation; expansion of recycled water production; design and construction of projects to integrate service areas acquired through agency consolidations; and design of storage facilities as well as many other projects.

Development Services: The Development Services group facilitates the land development process within the District by designing and bidding the water and wastewater facilities necessary to support that development. These facilities are coordinated with development schedules so that projects are not impeded by a lack of water and wastewater facilities. Temporary and interim facilities, when necessary, are coordinated through this group. The group also reviews developer submittals for quality and conformance with District specifications and assesses and collects appropriate fees.

Operations Support: The Operations Support group is responsible for providing technical support to the Operations and Water Quality Departments in their projects to expand and rehabilitate existing facilities. This group is also responsible for the design and construction of small to medium size water, wastewater and recycled water facilities.

Inspection Services: The Inspection Services group provides construction inspection services to other groups of the Department to insure the highest level of constructed quality. These services include constructability review, pre-construction paperwork, progress payment processing, field inspection, change order evaluation and processing, and final acceptance coordination. The group is responsible for coordinating specialized construction support services such as surveying and geotechnical testing and inspection.

MWRP Construction: The MWRP Construction group is responsible for the construction of the Michelson Water Recycling Plant Expansion and the MWRP Biosolids Facilities.



ENGINEERING AND PLANNING

OPERATING BUDGET SUMMARY

Major Goals

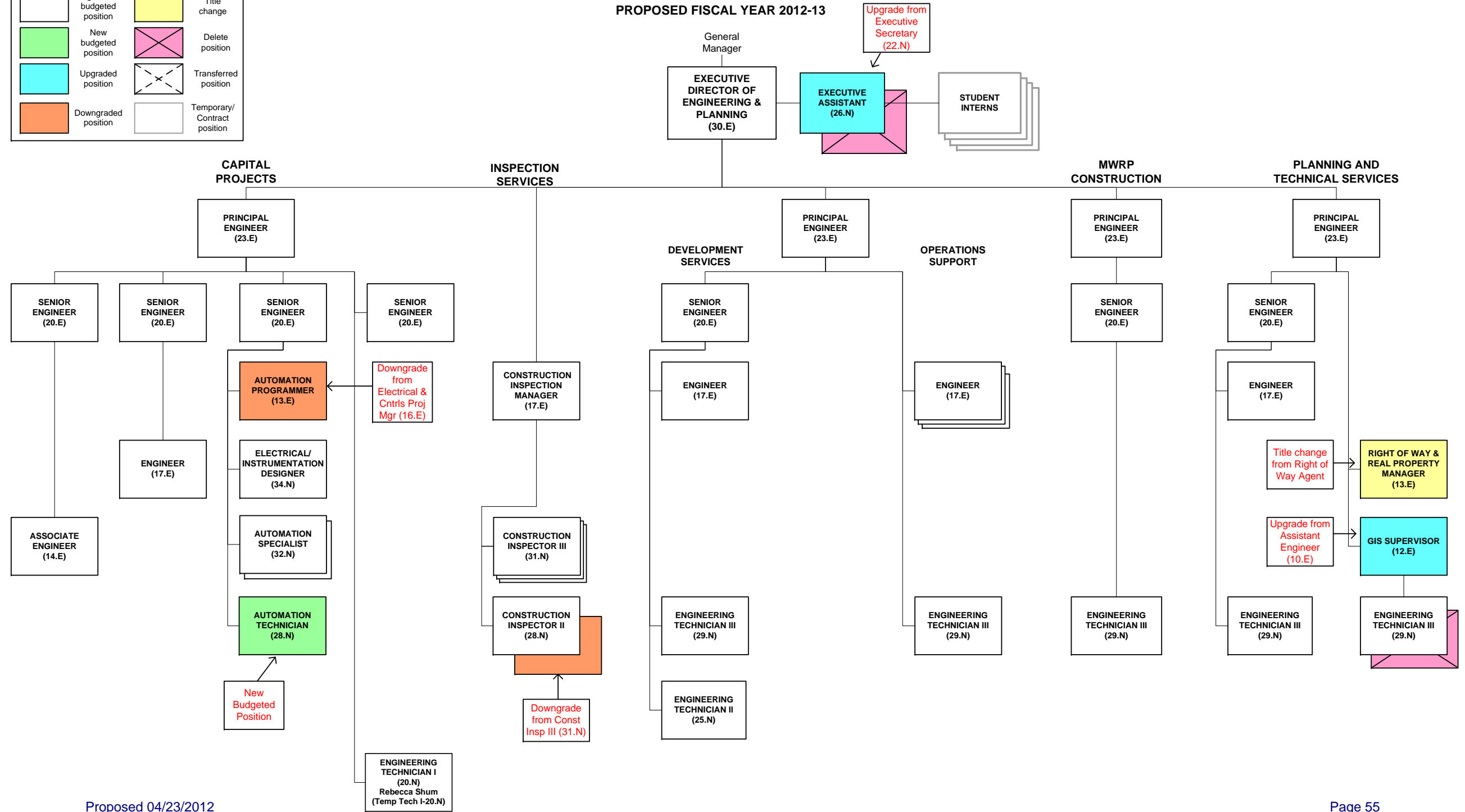
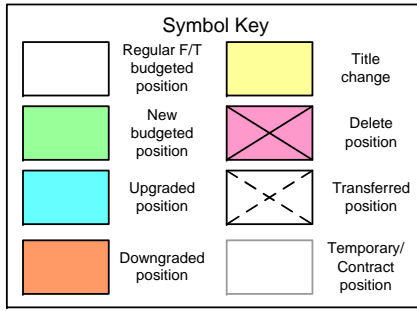
ENGINEERING

- MWRP Expansion construction.
- MWRP Flood Protection construction.
- MWRP Biosolids Facilities design and construction.
- Baker Water Treatment Plant design and construction.
- Well 115/107 Rehabilitation, Pipelines & Treatment Modifications design.
- Orange Park Acres Well OPA-1 design and construction.
- Santa Ana Heights Newport Blvd. Pipeline Relocation construction.
- Sand Canyon Avenue Railroad Grade Separation construction.
- Water Operations SCADA Replacement implementation.
- Syphon Reservoir Interim Facilities design and construction.
- University Drive Pipelines Cathodic Protection construction.

PLANNING

- Domestic and Recycled Water Systems Hydraulic Modeling
- Provide Inter-agency technical support.
- Continue Great Park planning and coordination.
- Implement IRWD/SA/MCWD/CNB Interconnections.
- Complete Syphon Reservoir Feasibility Study.
- Develop alternative water supplies.
- Water Resources Master Plan update.

**IRVINE RANCH WATER DISTRICT
ENGINEERING & PLANNING
PROPOSED FISCAL YEAR 2012-13**



ENGINEERING TECHNICIAN I (20.N)
Rebecca Shum
(Temp Tech I-20.N)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Engineering & Planning						
300	Labor Expense RT	1,922,405	0	3,282,900	4,182,400	899,500
300	Labor Expense OT	10,810	17,906	73,000	69,000	(4,000)
300	Employee Benefits	0	0	0	1,329,800	1,329,800
300	Temp & Contract Labor	43,366	74,230	165,000	168,000	3,000
300	Operating Supplies	15,110	22,852	11,750	11,200	(550)
300	Printing	12,321	43,913	17,000	54,500	37,500
300	Postage Services	48	0	150	120	(30)
300	Permits, Licenses and Fees	8,866	0	1,000	0	(1,000)
300	Office Supplies	14,578	5,165	18,000	20,000	2,000
300	Rep & Maint IRWD	99,581	45,821	45,750	41,800	(3,950)
300	Engineering Fees	7,300	0	6,500	3,200	(3,300)
300	Personnel Training	10,855	15,217	19,500	30,000	10,500
300	Other Professional Fees	1,234	2,016	3,500	4,200	700
300	Mileage Reimbursement	95	78	0	200	200
Total . . . Engineering and Planning		2,146,570	227,198	3,644,050	5,914,420	2,270,370
Total . . . Engineering & Planning		2,146,570	227,198	3,644,050	5,914,420	2,270,370

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Engineering & Planning								
300	Labor Expense RT	521001	Labor Expense RT	1,922,405	0	3,282,900	4,182,400	899,500
300	Labor Expense OT	522001	Labor Expense OT	9,453	17,556	73,000	69,000	(4,000)
300	Labor Expense OT	522003	Labor Exp OT Indirect Project	1,358	350	0	0	0
300	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	114,800	114,800
300	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	56,300	56,300
300	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	108,100	108,100
300	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	671,700	671,700
300	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	371,300	371,300
300	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	7,600	7,600
300	Temp & Contract Labor	531001	Temp Contract Labor RT	41,205	63,296	120,000	108,000	(12,000)
300	Temp & Contract Labor	531004	Temp Ctr Labor Student Interns	0	0	45,000	60,000	15,000
300	Temp & Contract Labor	531006	Temp Ctr Labor Indirect Project	2,161	1,213	0	0	0
300	Temp & Contract Labor	531007	Temp Ctr Labor Overtime	0	4,145	0	0	0
300	Temp & Contract Labor	531009	Temp Ctr Labor Non-IRWD Payroll	0	5,576	0	0	0
300	Operating Supplies	552007	Op Supl Electrical	0	0	0	0	0
300	Operating Supplies	552019	Op Supl Paints Oils And Lbrcants	0	0	0	0	0
300	Operating Supplies	552020	Op Supl Photographic Equip	297	15	600	400	(200)
300	Operating Supplies	552027	Op Supl Sample Containers	368	0	0	0	0
300	Operating Supplies	552034	Op Supl Tools And Equipment	0	0	1,000	1,000	0
300	Operating Supplies	552038	Op Supl Warehouse inventory	13,701	22,415	8,150	7,600	(550)
300	Operating Supplies	552041	Op Supl Work Equip Supl	366	422	2,000	1,600	(400)
300	Operating Supplies	552042	Op Supl Safety Supl PPE	378	0	0	600	600

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
300	Printing	553001	Printing	2,551	359	2,500	2,500	0
300	Printing	553003	Printing Atlas And Constr Plans	2,048	31	2,500	2,000	(500)
300	Printing	553025	Printing Scanning And Archiving	7,722	43,523	12,000	50,000	38,000
300	Postage Services	554001	Postage Services	48	0	150	120	(30)
300	Permits, Licenses and Fees	555001	Permits Licenses And Fees	1,513	0	1,000	0	(1,000)
300	Permits, Licenses and Fees	555027	Permits Lic USA	7,353	0	0	0	0
300	Office Supplies	556001	Office Supplies	14,578	5,165	16,000	14,000	(2,000)
300	Office Supplies	556002	Office Supl CAD Supl	0	0	0	2,000	2,000
300	Office Supplies	556005	Office Supl GIS Supl	0	0	0	2,000	2,000
300	Office Supplies	556007	Office Supl Furniture And Equip	0	0	2,000	2,000	0
300	Rep & Maint IRWD	572001	Rep Maint IRWD	9,861	391	0	0	0
300	Rep & Maint IRWD	572003	Rep IRWD Equipment	250	0	0	0	0
300	Rep & Maint IRWD	572122	Rep IRWD Sediment Removal	0	28,000	0	0	0
300	Rep & Maint IRWD	572135	Rep IRWD Telemetry	43,205	18,152	45,000	39,200	(5,800)
300	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	234	(722)	750	2,600	1,850
300	Rep & Maint IRWD	572155	Rep IRWD Facility Sfty Imprvmnts	46,032	0	0	0	0
300	Engineering Fees	583001	Engineering Fees	0	0	1,500	1,200	(300)
300	Engineering Fees	583007	Eng Fees Consultant Services	0	0	5,000	0	(5,000)
300	Engineering Fees	583024	Eng Fees Outside Legal Desc	7,300	0	0	2,000	2,000
300	Personnel Training	586001	Personnel Conferences	3,268	8,980	8,000	14,000	6,000
300	Personnel Training	586002	Personnel Memberships	5,794	2,442	5,000	6,000	1,000
300	Personnel Training	586003	Training Publications	1,434	969	1,500	2,000	500
300	Personnel Training	586004	Personnel Training	359	2,826	5,000	8,000	3,000

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
300	Other Professional Fees	588001	Professional Meetings	517	1,377	1,500	2,000	500
300	Other Professional Fees	588008	Certification Renewals	643	430	2,000	2,000	0
300	Other Professional Fees	588011	Committee Meetings	0	209	0	200	200
300	Other Professional Fees	588038	Recycling Update Meetings	74	0	0	0	0
300	Mileage Reimbursement	591003	Mileage Reimbursement	95	78	0	200	200
Total . . . Engineering and Planning				2,146,570	227,198	3,644,050	5,914,420	2,270,370
Total . . . Engineering & Planning				2,146,570	227,198	3,644,050	5,914,420	2,270,370



WATER OPERATIONS

OPERATING BUDGET SUMMARY

Program Description

The Water Operations Department provides operation, maintenance and repair of the District's domestic (treated) water, recycled water, untreated water and Natural Treatment Systems. These systems include the Dyer Road Wellfield, Deep Aquifer Treatment System, Irvine Desalter Project (Potable Treatment Plant, Principal Aquifer Plant and Shallow Groundwater Unit), Manning Water Treatment Plant and the San Joaquin Marsh. The Water Operations Department also provides maintenance for all District facilities, vehicle and other rolling equipment.

The mission of the Water Operations Department is to operate and maintain the District's infrastructure in an efficient, cost effective and environmentally sensitive manner that provides a high level of customer satisfaction.

Major Goals

ADMINISTRATION

- Provide overall management and administrative services to the Water Operations Department.
- Prepare, monitor and manage the Department's Operating, General Plant and Capital budgets.
- Continue efficient operation and maintenance of Irvine Lake and the Irvine Lake Pipeline.
- Ensure efficient operation of all IRWD wells and pumping facilities.
- Manage, operate and maintain the SAC/Baker system.
- Prevent lost time accidents and recordable injuries through continuous improvement and the completion of safety meetings in accordance with Safety Department guidelines.
- Continue operation, maintenance and improvement of the District's cathodic protection program.
- Ensure safe dam operation through the monitoring and surveillance program.

SYSTEM OPERATIONS

- Assist with the SCADA upgrade implementation.
- Maintain the Dyer Road Wellfield and DATS domestic water flows in accordance with the Wellfield Pumping Plan on a monthly and annual basis.
- Maintain zero water quality non-compliance events.
- Budget, maintain and reduce energy costs in accordance with Southern California Edison's current rate structure.
- Assist the Engineering Department with the design and startup of domestic and recycled water system facilities.
- Operate the Irvine Desalter Project (PTP, SGU and PAP) in accordance with the joint agency agreement and submit periodic reports as required.
- Complete Cross-Connection Control Program annual inspections and back-flow device maintenance in accordance with the California Administrative Code, Title 17, Public Health.



WATER OPERATIONS OPERATING BUDGET SUMMARY

NATURAL TREATMENT SYSTEMS

- Provide cost effective operations with an emphasis on vegetation, sediment, management and wildlife/habitat management for the Natural Treatment System (NTS) facilities.

CONSTRUCTION AND REPAIR SERVICES

- Provide construction and repair services to internal and external customers in a safe, efficient, cost effective and environmentally sensitive manner.
- Maintain a high level of customer satisfaction by responding to and repairing water leaks with minimum impact to customers.
- Maintain a maximum of 100 minutes no-service per month for the potable and non-potable systems.

PREVENTIVE MAINTENANCE

- Complete annual preventive maintenance programs on distribution pipelines and appurtenances throughout the District including valve exercising, cathodic protection test station reading, pressure reducing valve maintenance, hydrant flushing, bottom drain flushing, air/vac maintenance, meter maintenance and leak detection.
- Mark the District's underground facilities in response to Underground Service Alert (USA) tickets to prevent potential damages to the facilities from construction activities.
- Set and complete annual maintenance goals in accordance with AWWA and industry standards.
- Replace 5/8" residential and 3/4" residential meters on a 17-year cycle.
- Replace 1" residential/commercial meters on an 18-year cycle.
- Replace 1.5" and 2" commercial meters on a 15-year cycle.

FACILITIES & FLEET MAINTENANCE

- Manage the maintenance of all District properties and facilities.
- Provide the maintenance for all District vehicles and rolling equipment.

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
410	Labor Expense RT	196,317	0	366,100	405,500	39,400
410	Employee Benefits	0	0	0	130,700	130,700
410	Other Utilities	4,619	1,786	2,400	2,400	0
410	Operating Supplies	4,930	2,212	4,500	4,500	0
410	Printing	2,220	0	500	500	0
410	Permits, Licenses and Fees	153,716	28,305	70,550	86,550	16,000
410	Office Supplies	5,849	3,532	8,000	8,000	0
410	Equipment Rental	911	6,401	0	0	0
410	Rep & Maint Other Agencies	457,088	153,200	389,400	1,033,100	643,700
410	Engineering Fees	174,143	72,022	92,000	92,000	0
410	Personnel Training	12,881	8,718	19,000	18,990	(10)
410	Other Professional Fees	8,780	6,744	7,000	7,600	600
<hr/>						
Total . . . Water Operations Administration		1,021,452	282,920	959,450	1,789,840	830,390

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
410	Labor Expense RT	521001	Labor Expense RT	196,317	0	366,100	405,500	39,400
410	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	11,100	11,100
410	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	5,700	5,700
410	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	10,500	10,500
410	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	66,000	66,000
410	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	36,700	36,700
410	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	700	700
410	Other Utilities	544003	Utilities For SJR Newport	2,602	1,594	2,000	2,000	0
410	Other Utilities	544006	SA Metered Water For Wellfld Use	2,017	192	400	400	0
410	Operating Supplies	552003	Op Supl Calendars And Log Books	4,650	2,183	4,500	4,500	0
410	Operating Supplies	552038	Op Supl Warehouse inventory	0	29	0	0	0
410	Operating Supplies	552041	Op Supl Work Equip Supl	108	0	0	0	0
410	Operating Supplies	552042	Op Supl Safety Supl PPE	172	0	0	0	0
410	Printing	553001	Printing	2,220	0	500	500	0
410	Permits, Licenses and Fees	555002	Permits Lic Bellewick Comm Assoc	160	0	200	200	0
410	Permits, Licenses and Fees	555003	Permits Lic Dam Permits	113,032	0	50,000	56,000	6,000
410	Permits, Licenses and Fees	555015	Permits Lic OCTA Pipeline ROW	4,902	5,065	5,000	5,000	0
410	Permits, Licenses and Fees	555017	Permits Lic Property Tax	35,622	23,075	15,000	25,000	10,000
410	Permits, Licenses and Fees	555021	Permits Lic Sntiago Pump Sta Tanks	0	0	350	350	0
410	Permits, Licenses and Fees	555030	Permits Lic Wtr Rights	0	165	0	0	0
410	Office Supplies	556001	Office Supplies	5,849	3,532	8,000	8,000	0
410	Equipment Rental	562001	Equipment Rental	911	1,716	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
410	Equipment Rental	562004	Equip Rnt Flush Rcycl Blwff Drns	0	4,685	0	0	0
410	Rep & Maint Other Agencies	571001	Rep Maint EOCWD	16,442	0	11,000	25,000	14,000
410	Rep & Maint Other Agencies	571002	Rep Maint Jnt Rgnl Wtr Supl Sys	12,565	0	22,000	44,500	22,500
410	Rep & Maint Other Agencies	571003	Rep Maint Laguna Aufdenkamp	51,139	(2,760)	15,000	35,000	20,000
410	Rep & Maint Other Agencies	571004	Rep Maint Laguna Cstal Supl Line	44,987	2,496	20,000	5,000	(15,000)
410	Rep & Maint Other Agencies	571005	Rep Maint Laguna El Morro	19,792	6,112	8,000	8,000	0
410	Rep & Maint Other Agencies	571006	Rep Maint East Orange Cnty Fdr	94,030	40,200	80,400	135,600	55,200
410	Rep & Maint Other Agencies	571008	Rep Maint Disposal Fees	133,463	67,259	132,000	681,000	549,000
410	Rep & Maint Other Agencies	571013	Rep Maint Sac Baker Pipeline	23,871	0	22,500	22,500	0
410	Rep & Maint Other Agencies	571014	Rep Maint Santa Mrgtra Wtr Dist	3,800	2,392	3,500	1,500	(2,000)
410	Rep & Maint Other Agencies	571015	Rep Maint Serrano Irrig Dist	56,999	37,500	75,000	75,000	0
410	Engineering Fees	583006	Eng Fees Cathodic Protect Mntring	35,086	52,658	47,000	47,000	0
410	Engineering Fees	583009	Eng Fees Dam Montring Survllnce	139,057	19,364	45,000	45,000	0
410	Personnel Training	586001	Personnel Conferences	3,397	3,479	6,000	6,000	0
410	Personnel Training	586002	Personnel Memberships	2,240	692	2,300	2,300	0
410	Personnel Training	586003	Training Publications	544	546	700	690	(10)
410	Personnel Training	586004	Personnel Training	6,700	3,385	10,000	10,000	0
410	Personnel Training	586024	Training Srv And Retr Awrd	0	616	0	0	0
410	Other Professional Fees	588008	Certification Renewals	2,916	2,782	4,000	4,000	0
410	Other Professional Fees	588011	Committee Meetings	0	275	0	600	600
410	Other Professional Fees	588028	General And Misc Expense	5,864	3,151	3,000	3,000	0
410	Other Professional Fees	588033	Meal Allowances	0	186	0	0	0
410	Other Professional Fees	588039	Research Projects	0	350	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Total . . . Water Operations Administration				1,021,452	282,920	959,450	1,789,840	830,390

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
415	Labor Expense RT	49,903	0	206,424	219,200	12,776
415	Labor Expense OT	7,303	2,070	2,975	4,000	1,025
415	Employee Benefits	0	0	0	70,100	70,100
415	Temp & Contract Labor	0	95	0	0	0
415	Electrical Usage	165,376	2,094	15,070	11,900	(3,170)
415	Telecommunication	0	0	0	0	0
415	Chemicals	0	0	20,000	0	(20,000)
415	Operating Supplies	855	2,157	5,710	5,710	0
415	Equipment Rental	4,363	2,689	9,490	9,520	30
415	Rep & Maint Other Agencies	7,789	4,840	11,000	11,000	0
415	Rep & Maint IRWD	720,233	373,619	822,188	776,700	(45,488)
415	Engineering Fees	42,053	57	32,451	74,460	42,009
415	Safety	0	0	2,000	2,000	0
415	Other	0	0	8,500	8,500	0
Total . . . NTS Operations		997,875	387,621	1,135,808	1,193,090	57,282

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
415	Labor Expense RT	521001	Labor Expense RT	49,903	0	206,424	219,200	12,776
415	Labor Expense OT	522001	Labor Expense OT	7,303	2,070	2,975	4,000	1,025
415	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	6,100	6,100
415	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	2,900	2,900
415	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	5,700	5,700
415	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	35,400	35,400
415	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	19,600	19,600
415	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	400	400
415	Temp & Contract Labor	531001	Temp Contract Labor RT	0	95	0	0	0
415	Electrical Usage	541001	Electrical Usage	161,267	0	0	0	0
415	Electrical Usage	541006	Electricity Calsense Controllers	1,540	733	3,200	3,200	0
415	Electrical Usage	541007	Electricity Pump Operations	2,569	1,361	11,870	8,700	(3,170)
415	Telecommunication	543001	Telecommunication	0	0	0	0	0
415	Chemicals	551008	Chem Cienega Sodium Benzoate	0	0	20,000	0	(20,000)
415	Operating Supplies	552009	Op Supl Hand Tools	34	0	3,520	3,520	0
415	Operating Supplies	552033	Op Supl Samplers And Meters	0	175	0	0	0
415	Operating Supplies	552038	Op Supl Warehouse inventory	821	930	1,200	1,200	0
415	Operating Supplies	552041	Op Supl Work Equip Supl	0	1,052	990	990	0
415	Equipment Rental	562005	Equip Rnt Portble Rstrms Equip	4,363	2,689	9,490	9,520	30
415	Rep & Maint Other Agencies	571012	Rep Maint Orange Cntr Vctr Cntrl	7,789	4,840	11,000	11,000	0
415	Rep & Maint IRWD	572003	Rep IRWD Equipment	0	0	5,000	5,000	0
415	Rep & Maint IRWD	572010	Rep IRWD Aquatic Vegetation Rmv	32,042	25,000	40,000	40,000	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
415	Rep & Maint IRWD	572039	Rep IRWD Ctr Landscape SJWS	196,697	131,600	225,600	225,600	0
415	Rep & Maint IRWD	572062	Rep IRWD Header Bd Instll Obsrv	909	0	3,500	3,500	0
415	Rep & Maint IRWD	572071	Rep IRWD Irrigation Repairs	5,944	0	25,000	25,000	0
415	Rep & Maint IRWD	572077	Rep IRWD Kiosks Benches Signs	1,796	118	14,500	14,500	0
415	Rep & Maint IRWD	572083	Rep IRWD Landscape EI Modena	2,731	11,079	11,750	11,750	0
415	Rep & Maint IRWD	572084	Rep IRWD Landscape Inline Basins	92,687	12,159	13,000	13,000	0
415	Rep & Maint IRWD	572085	Rep IRWD Landscape Marshburn	57,789	8,051	48,500	48,500	0
415	Rep & Maint IRWD	572086	Rep IRWD Landscape Non Contract	14,543	4,108	21,000	21,000	0
415	Rep & Maint IRWD	572087	Rep IRWD Landscape Old Lgna Cnyn	2,664	10,808	11,500	11,500	0
415	Rep & Maint IRWD	572088	Rep IRWD Landscape PA1 Basins	59,078	46,966	63,500	63,500	0
415	Rep & Maint IRWD	572089	Rep IRWD Landscape Quail Meadow	1,132	4,594	4,950	4,950	0
415	Rep & Maint IRWD	572090	Rep IRWD Landscape Quail Springs	10,456	16,414	45,500	45,500	0
415	Rep & Maint IRWD	572091	Rep IRWD Landscape Trabuco	94,656	13,402	80,500	80,500	0
415	Rep & Maint IRWD	572092	Rep IRWD Landscape Turtle Ridge	2,398	9,728	10,500	10,500	0
415	Rep & Maint IRWD	572099	Rep IRWD Monitoring Supl	2,302	3,340	8,060	8,060	0
415	Rep & Maint IRWD	572116	Rep IRWD Fence Reprs And Upgrds	13,875	5,180	11,000	11,000	0
415	Rep & Maint IRWD	572117	Rep IRWD Road Maint	17,154	13,950	23,000	23,000	0
415	Rep & Maint IRWD	572118	Rep IRWD Rodent Control	1,251	0	4,500	9,000	4,500
415	Rep & Maint IRWD	572122	Rep IRWD Sediment Removal	35,109	53,491	100,000	50,000	(50,000)
415	Rep & Maint IRWD	572134	Rep IRWD Structure And Pipe	13,194	0	15,040	15,040	0
415	Rep & Maint IRWD	572138	Rep IRWD Tree And Shrub Planting	60,699	3,599	35,400	35,400	0
415	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	241	32	888	900	12
415	Rep & Maint IRWD	572158	Rep IRWD San Diego Creek	885	0	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
415	Engineering Fees	583007	Eng Fees Consultant Services	6,250	0	32,451	32,460	9
415	Engineering Fees	583008	Eng Fees Contract Lab Services	35,803	57	0	42,000	42,000
415	Safety	594001	Safety Confined Space Entry Equip	0	0	2,000	2,000	0
415	Other	595001	Other Safety Aerial Phto San Jqun	0	0	8,500	8,500	0
Total . . . NTS Operations				997,875	387,621	1,135,808	1,193,090	57,282

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
420	Water Purchases	30,078,024	16,161,030	26,179,600	24,968,060	(1,211,540)
420	Labor Expense RT	870,562	0	1,513,776	1,600,600	86,824
420	Labor Expense OT	51,121	20,907	39,525	70,460	30,935
420	Employee Benefits	0	0	0	509,200	509,200
420	Electrical Usage	5,559,594	2,833,765	6,757,350	7,258,100	500,750
420	Fuel	33,831	20,016	25,500	25,500	0
420	Telecommunication	40,422	26,273	39,240	39,240	0
420	Other Utilities	8,780	0	9,600	9,600	0
420	Chemicals	866,241	367,270	768,500	1,143,430	374,930
420	Operating Supplies	27,178	9,191	26,290	26,250	(40)
420	Permits, Licenses and Fees	6,753	3,324	6,200	6,220	20
420	Office Supplies	71	(36)	0	0	0
420	Equipment Rental	7,500	0	7,500	9,000	1,500
420	Rep & Maint Other Agencies	13,391	(8,825)	0	0	0
420	Rep & Maint IRWD	104,280	158,842	226,912	200,000	(26,912)
420	Engineering Fees	10,532	25,153	17,849	18,000	151
420	Other Professional Fees	0	862	0	1,000	1,000
420	Safety	745	0	3,000	3,000	0
Total . . . System Operations		37,679,026	19,617,772	35,620,842	35,887,660	266,818

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
420	Water Purchases	511001	Water Purchases - Imported	17,975,067	11,337,379	11,746,000	8,368,900	(3,377,100)
420	Water Purchases	511002	Water Purch GroundWtr Prod	9,719,036	3,887,138	11,556,400	13,328,600	1,772,200
420	Water Purchases	511003	Water Purch Native Wtr	(90,240)	(94,953)	472,600	178,100	(294,500)
420	Water Purchases	511004	Water Purch Rcycld Wtr	(6,464)	4,039	275,400	288,400	13,000
420	Water Purchases	511005	Water Purch Suppl Fr Untrtd	22,399	0	217,400	0	(217,400)
420	Water Purchases	511006	Water Purch Suppl To Rcycld	(22,399)	0	(217,400)	0	217,400
420	Water Purchases	511007	Water Purch MWD Capacity Chrg	295,687	123,536	279,100	160,800	(118,300)
420	Water Purchases	511008	Water Purch MWD Readiness	1,010,336	511,570	746,200	1,387,740	641,540
420	Water Purchases	511009	Water Purch MWDOC Mtr Surchrg	532,462	291,988	509,500	659,820	150,320
420	Water Purchases	511010	Water Purch Cap Cost Refunding	492,480	0	594,400	595,700	1,300
420	Water Purchases	511011	Water Purch Wtr Cost Reimb	12,264	5,381	0	0	0
420	Water Purchases	511012	Water Purch Dudley Ridge	47,157	0	0	0	0
420	Water Purchases	511013	Water Purch Rcycld Fr Untr	309,382	94,953	0	205,900	205,900
420	Water Purchases	511014	Water Purch Untrtd To RW Sys	(219,142)	0	0	(205,900)	(205,900)
420	Water Purchases	511015	Water Purch Well Bene Untrtd	0	0	(400,000)	0	400,000
420	Water Purchases	511016	Water Purch Well Bene Potable	0	0	240,000	0	(240,000)
420	Water Purchases	511017	Water Purch Well Bene Rcycld	0	0	160,000	0	(160,000)
420	Labor Expense RT	521001	Labor Expense RT	870,562	0	1,513,776	1,600,600	86,824
420	Labor Expense OT	522001	Labor Expense OT	50,800	19,233	39,525	70,460	30,935
420	Labor Expense OT	522003	Labor Exp OT Indirect Project	321	1,674	0	0	0
420	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	44,000	44,000
420	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	21,400	21,400

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
420	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	41,300	41,300
420	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	257,400	257,400
420	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	142,200	142,200
420	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	2,900	2,900
420	Electrical Usage	541001	Electrical Usage	5,559,594	2,833,765	6,757,350	7,258,100	500,750
420	Fuel	542009	Fuel Natural Gas	33,831	20,016	25,500	25,500	0
420	Telecommunication	543001	Telecommunication	33,297	22,408	33,240	33,240	0
420	Telecommunication	543005	Telephone Scwd Telemetry	7,125	3,865	6,000	6,000	0
420	Other Utilities	544001	Streaming Data Service Pkg	8,780	0	9,600	9,600	0
420	Chemicals	551002	Chem Ammonia	119,837	52,092	117,000	122,950	5,950
420	Chemicals	551003	Chem Anti Foam	3,434	0	1,000	1,000	0
420	Chemicals	551004	Chem Antiscalent	33,706	0	0	0	0
420	Chemicals	551005	Chem Calcium Hypochlorite	23,194	20,530	25,000	40,000	15,000
420	Chemicals	551007	Chem Chlorine Gas	113,976	61,389	80,000	120,000	40,000
420	Chemicals	551010	Chem Corrosion Inhibitor	65,621	57,134	98,000	98,000	0
420	Chemicals	551013	Chem Hydrochloric Acid	685	0	500	500	0
420	Chemicals	551019	Chem Manning Treatment Plant	580	367	0	500	500
420	Chemicals	551026	Chem RO P303 Membrane Cleaning	6,106	13,551	25,000	0	(25,000)
420	Chemicals	551027	Chem Sodium Bisulfate	42,524	26,185	43,000	50,000	7,000
420	Chemicals	551028	Chem Sodium Dodecylsulfate	7,062	0	5,000	0	(5,000)
420	Chemicals	551029	Chem Sodium Hydroxide	42,623	13,914	81,500	18,900	(62,600)
420	Chemicals	551030	Chem Sodium Hypochlorite	371,783	104,509	183,000	213,280	30,280
420	Chemicals	551031	Chem Sodium Thiosulfate	8,976	2,485	17,500	12,300	(5,200)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
420	Chemicals	551032	Chem Sodium Tripoly Phosphate	0	0	2,000	0	(2,000)
420	Chemicals	551033	Chem Threshold Inhibitor	26,135	15,115	90,000	95,600	5,600
420	Chemicals	551034	Chem Citric Acid MBR	0	0	0	63,500	63,500
420	Chemicals	551036	Chem Membrane Cleaning Supplies	0	0	0	86,500	86,500
420	Chemicals	551039	Chem Sulfuric Acid	0	0	0	220,400	220,400
420	Operating Supplies	552001	Operating Supplies	0	0	0	0	0
420	Operating Supplies	552009	Op Supl Hand Tools	1,079	67	4,480	4,480	0
420	Operating Supplies	552023	Op Supl Residential Workshops	373	0	0	0	0
420	Operating Supplies	552034	Op Supl Tools And Equipment	365	0	0	0	0
420	Operating Supplies	552038	Op Supl Warehouse inventory	15,886	7,627	13,800	13,760	(40)
420	Operating Supplies	552041	Op Supl Work Equip Supl	6,984	592	8,010	8,010	0
420	Operating Supplies	552042	Op Supl Safety Supl PPE	2,491	906	0	0	0
420	Permits, Licenses and Fees	555001	Permits Licenses And Fees	301	0	0	0	0
420	Permits, Licenses and Fees	555013	Permits Lic Signal Pk Twr Lse - Antnna	6,452	3,324	6,200	6,220	20
420	Office Supplies	556001	Office Supplies	71	(36)	0	0	0
420	Equipment Rental	562001	Equipment Rental	7,500	0	7,500	9,000	1,500
420	Rep & Maint Other Agencies	571020	Rep Maint TCWD Credit	(32,118)	(8,825)	0	0	0
420	Rep & Maint Other Agencies	571022	Rep Maint KWB Assessments	42,648	0	0	0	0
420	Rep & Maint Other Agencies	571023	Rep Maint KWB Miscellaneous	2,861	0	0	0	0
420	Rep & Maint IRWD	572003	Rep IRWD Equipment	4,743	0	0	0	0
420	Rep & Maint IRWD	572006	Rep IRWD AC Frog Monitor SJR	0	0	7,000	7,000	0
420	Rep & Maint IRWD	572008	Rep IRWD Air Stripper Carbon Rpl	43,615	17,835	60,000	42,000	(18,000)
420	Rep & Maint IRWD	572022	Rep IRWD Chlrm Scrubber Cstic Rpl	0	59,804	35,000	60,000	25,000

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
420	Rep & Maint IRWD	572040	Rep IRWD Contract Repairs	2,040	0	0	0	0
420	Rep & Maint IRWD	572099	Rep IRWD Monitoring Supl	517	5,226	4,940	5,000	60
420	Rep & Maint IRWD	572110	Rep IRWD PTP Cartridge Filters	0	11,432	15,000	15,000	0
420	Rep & Maint IRWD	572111	Rep IRWD PTP Mmbrne Eval Clning	30,684	7,100	50,000	50,000	0
420	Rep & Maint IRWD	572113	Rep IRWD RepaiRepaterials	5,001	0	20,000	10,000	(10,000)
420	Rep & Maint IRWD	572114	Rep IRWD From Untrtd	71	0	2,500	0	(2,500)
420	Rep & Maint IRWD	572115	Rep IRWD To Rcycld	440	0	15,000	0	(15,000)
420	Rep & Maint IRWD	572117	Rep IRWD Road Maint	0	43,525	0	0	0
420	Rep & Maint IRWD	572134	Rep IRWD Structure And Pipe	0	0	960	1,000	40
420	Rep & Maint IRWD	572137	Rep IRWD Traffic Control	11,430	400	10,000	5,000	(5,000)
420	Rep & Maint IRWD	572141	Rep IRWD UnderWtr Reservoir Insp	0	3,800	0	0	0
420	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	5,119	9,720	6,512	5,000	(1,512)
420	Rep & Maint IRWD	572149	Rep IRWD Wthr Station Maint	47	0	0	0	0
420	Rep & Maint IRWD	572163	Rep IRWD DR4000 Photometer	573	0	0	0	0
420	Engineering Fees	583002	Eng Fees Rattlsnke Bnchmrk Srvy	2,330	0	3,000	3,000	0
420	Engineering Fees	583003	Eng Fees San Jquin Bnchmrk Srvy	4,400	13,707	6,000	6,000	0
420	Engineering Fees	583004	Eng Fees Santiago Bnchmrk Srvy	1,500	0	2,500	2,500	0
420	Engineering Fees	583005	Eng Fees Syphn Resvr Bnchmrk Srvy	0	0	1,500	1,500	0
420	Engineering Fees	583007	Eng Fees Consultant Services	2,302	11,445	4,849	5,000	151
420	Other Professional Fees	588039	Research Projects	0	862	0	1,000	1,000
420	Safety	594001	Safety Confined Space Entry Equip	745	0	3,000	3,000	0
Total . . . System Operations				37,679,026	19,617,772	35,620,842	35,887,660	266,818

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
425	Labor Expense RT	630,742	0	1,211,800	1,327,400	115,600
425	Labor Expense OT	8,082	5,821	10,200	13,400	3,200
425	Employee Benefits	0	0	0	422,900	422,900
425	Temp & Contract Labor	56,103	30,925	77,500	78,000	500
425	Chemicals	3,230	1,996	5,000	5,000	0
425	Operating Supplies	35,968	37,204	93,800	83,700	(10,100)
425	Permits, Licenses and Fees	3,463	4,626	8,000	11,000	3,000
425	Office Supplies	0	45	0	0	0
425	Equipment Rental	0	0	2,000	2,000	0
425	Rep & Maint IRWD	225,683	138,729	214,600	219,000	4,400
425	Other Professional Fees	235	0	0	0	0
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Total . . . Preventive Maintenance		963,504	219,346	1,622,900	2,162,400	539,500

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
425	Labor Expense RT	521001	Labor Expense RT	630,742	0	1,211,800	1,327,400	115,600
425	Labor Expense OT	522001	Labor Expense OT	7,286	4,139	10,200	13,400	3,200
425	Labor Expense OT	522003	Labor Exp OT Indirect Project	796	1,682	0	0	0
425	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	36,600	36,600
425	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	18,000	18,000
425	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	34,300	34,300
425	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	213,500	213,500
425	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	118,100	118,100
425	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	2,400	2,400
425	Temp & Contract Labor	531001	Temp Contract Labor RT	47,849	20,907	77,500	78,000	500
425	Temp & Contract Labor	531006	Temp Ctr Labor Indirect Project	8,254	9,221	0	0	0
425	Temp & Contract Labor	531007	Temp Ctr Labor Overtime	0	798	0	0	0
425	Chemicals	551031	Chem Sodium Thiosulfate	3,230	1,996	5,000	5,000	0
425	Operating Supplies	552001	Operating Supplies	0	148	0	0	0
425	Operating Supplies	552009	Op Supl Hand Tools	0	2,178	0	0	0
425	Operating Supplies	552019	Op Supl Paints Oils And Lbrcants	0	0	30,000	10,000	(20,000)
425	Operating Supplies	552034	Op Supl Tools And Equipment	203	7,220	0	0	0
425	Operating Supplies	552036	Op Supl USA Supl	0	903	1,200	2,200	1,000
425	Operating Supplies	552038	Op Supl Warehouse inventory	18,775	13,731	43,500	43,500	0
425	Operating Supplies	552041	Op Supl Work Equip Supl	15,080	13,023	19,100	28,000	8,900
425	Operating Supplies	552042	Op Supl Safety Supl PPE	1,909	0	0	0	0
425	Permits, Licenses and Fees	555005	Permits Lic Encroachment Pmit	3,084	0	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
425	Permits, Licenses and Fees	555006	Permits Lic Envr Lab Accrdttion	369	0	0	0	0
425	Permits, Licenses and Fees	555027	Permits Lic USA	0	4,626	8,000	11,000	3,000
425	Permits, Licenses and Fees	555031	Permits Lic For PM Crew GPS Unit	10	0	0	0	0
425	Office Supplies	556001	Office Supplies	0	45	0	0	0
425	Equipment Rental	562004	Equip Rnt Flush Rcycl Blwff Drns	0	0	2,000	2,000	0
425	Rep & Maint IRWD	572001	Rep Maint IRWD	0	0	0	0	0
425	Rep & Maint IRWD	572003	Rep IRWD Equipment	158	0	0	0	0
425	Rep & Maint IRWD	572041	Rep IRWD Ctl Valve Air Vac Parts	75,990	34,359	70,000	70,000	0
425	Rep & Maint IRWD	572065	Rep IRWD Hydrant Parts	(17,834)	12,489	10,000	15,000	5,000
425	Rep & Maint IRWD	572069	Rep IRWD Interior Plants	0	80	0	0	0
425	Rep & Maint IRWD	572096	Rep IRWD Meter Repair Parts	148,073	64,260	134,600	134,000	(600)
425	Rep & Maint IRWD	572113	Rep IRWD RepaiRepataterials	0	0	0	0	0
425	Rep & Maint IRWD	572137	Rep IRWD Traffic Control	308	0	0	0	0
425	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	19,838	27,540	0	0	0
425	Rep & Maint IRWD	572162	Rep IRWD Proj 82106 Tustin	(850)	0	0	0	0
425	Other Professional Fees	588033	Meal Allowances	235	0	0	0	0
Total . . . Preventive Maintenance				963,504	219,346	1,622,900	2,162,400	539,500

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
430	Labor Expense RT	883,893	0	1,161,200	1,510,500	349,300
430	Labor Expense OT	79,406	112,076	67,200	152,000	84,800
430	Employee Benefits	0	0	0	482,100	482,100
430	Temp & Contract Labor	54,720	7,758	0	0	0
430	Other Utilities	7,500	3,631	0	0	0
430	Chemicals	1,407	2,452	1,200	1,200	0
430	Operating Supplies	126,977	49,396	93,500	113,500	20,000
430	Permits, Licenses and Fees	62,739	23,310	56,000	56,000	0
430	Equipment Rental	27,093	11,097	11,000	11,000	0
430	Rep & Maint IRWD	866,491	468,628	505,350	365,750	(139,600)
430	Other Professional Fees	0	86	0	0	0
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Total . . . Construction and Repair Services		2,110,225	678,435	1,895,450	2,692,050	796,600

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
430	Labor Expense RT	521001	Labor Expense RT	883,893	0	1,161,200	1,510,500	349,300
430	Labor Expense OT	522001	Labor Expense OT	60,432	92,670	67,200	152,000	84,800
430	Labor Expense OT	522003	Labor Exp OT Indirect Project	18,974	19,407	0	0	0
430	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	41,600	41,600
430	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	20,400	20,400
430	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	39,100	39,100
430	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	243,500	243,500
430	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	134,700	134,700
430	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	2,800	2,800
430	Temp & Contract Labor	531001	Temp Contract Labor RT	52,587	6,207	0	0	0
430	Temp & Contract Labor	531006	Temp Ctr Labor Indirect Project	2,133	636	0	0	0
430	Temp & Contract Labor	531007	Temp Ctr Labor Overtime	0	915	0	0	0
430	Other Utilities	544002	Answering Srv for Standby Pgm	7,500	3,631	0	0	0
430	Chemicals	551002	Chem Ammonia	0	1,568	0	0	0
430	Chemicals	551006	Chem Chlorine	0	0	240	240	0
430	Chemicals	551031	Chem Sodium Thiosulfate	1,407	885	960	960	0
430	Operating Supplies	552009	Op Supl Hand Tools	1,253	(1,253)	0	0	0
430	Operating Supplies	552034	Op Supl Tools And Equipment	35,217	14,073	34,500	0	(34,500)
430	Operating Supplies	552036	Op Supl USA Supl	0	355	0	0	0
430	Operating Supplies	552038	Op Supl Warehouse inventory	69,184	27,089	50,000	70,000	20,000
430	Operating Supplies	552041	Op Supl Work Equip Supl	14,604	9,132	9,000	43,500	34,500
430	Operating Supplies	552042	Op Supl Safety Supl PPE	6,718	0	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
430	Permits, Licenses and Fees	555005	Permits Lic Encroachment Pmit	62,739	23,310	56,000	56,000	0
430	Equipment Rental	562003	Equip Rnt Construction Equip	27,093	11,097	11,000	11,000	0
430	Rep & Maint IRWD	572001	Rep Maint IRWD	138	0	0	0	0
430	Rep & Maint IRWD	572002	Rep IRWD Building	8	0	0	0	0
430	Rep & Maint IRWD	572003	Rep IRWD Equipment	6,224	111	1,350	1,350	0
430	Rep & Maint IRWD	572011	Rep IRWD Asphalt Rpl	310,783	206,742	210,000	100,000	(110,000)
430	Rep & Maint IRWD	572030	Rep IRWD Class 9 Parts	0	319	0	0	0
430	Rep & Maint IRWD	572034	Rep IRWD Class 4 Contracts	0	177	0	0	0
430	Rep & Maint IRWD	572038	Rep IRWD Concrete	25,451	21,691	35,000	10,000	(25,000)
430	Rep & Maint IRWD	572040	Rep IRWD Contract Repairs	55,719	8,479	20,000	20,000	0
430	Rep & Maint IRWD	572060	Rep IRWD HW Disposal	2,798	2,629	4,000	4,000	0
430	Rep & Maint IRWD	572093	Rep IRWD Lighting	362	0	0	0	0
430	Rep & Maint IRWD	572113	Rep IRWD RepaiRepaterials	78,877	15,400	42,000	37,400	(4,600)
430	Rep & Maint IRWD	572115	Rep IRWD To Rcycld	82	0	0	0	0
430	Rep & Maint IRWD	572123	Rep IRWD Select Backfill Mtrl	59,682	23,394	43,000	43,000	0
430	Rep & Maint IRWD	572129	Rep IRWD Spoil Disposal	28,265	31,750	50,000	50,000	0
430	Rep & Maint IRWD	572137	Rep IRWD Traffic Control	78,378	26,534	50,000	50,000	0
430	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	191,868	131,402	0	0	0
430	Rep & Maint IRWD	572147	Rep IRWD Whs RepaiReprtrls	(343)	0	50,000	50,000	0
430	Rep & Maint IRWD	572159	Rep IRWD Security	20,880	0	0	0	0
430	Rep & Maint IRWD	572160	Rep IRWD Sewer Lateral Ctr	7,319	0	0	0	0
430	Other Professional Fees	588001	Professional Meetings	0	86	0	0	0
Total . . . Construction and Repair Services				2,110,225	678,435	1,895,450	2,692,050	796,600

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
435	Labor Expense RT	309,507	0	538,700	607,200	68,500
435	Labor Expense OT	17,928	5,528	11,600	11,200	(400)
435	Employee Benefits	0	0	0	193,100	193,100
435	Temp & Contract Labor	53,827	26,602	91,000	66,000	(25,000)
435	Electrical Usage	499	0	0	0	0
435	Fuel	0	72	0	0	0
435	Telecommunication	153	122	0	0	0
435	Other Utilities	21,721	11,737	19,400	19,700	300
435	Operating Supplies	27,854	12,120	25,500	26,000	500
435	Permits, Licenses and Fees	230	0	0	0	0
435	Equipment Rental	440	0	0	0	0
435	Rep & Maint IRWD	1,110,856	497,574	1,140,150	1,006,260	(133,890)
435	Other Professional Fees	15	0	0	0	0
435	Equipment Usage	0	68,710	0	0	0
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Total . . . Facilities Services		1,543,029	622,466	1,826,350	1,929,460	103,110

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
435	Labor Expense RT	521001	Labor Expense RT	309,507	0	538,700	607,200	68,500
435	Labor Expense OT	522001	Labor Expense OT	14,596	3,484	11,600	11,200	(400)
435	Labor Expense OT	522003	Labor Exp OT Indirect Project	3,331	2,044	0	0	0
435	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	16,600	16,600
435	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	8,200	8,200
435	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	15,600	15,600
435	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	97,600	97,600
435	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	54,100	54,100
435	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	1,000	1,000
435	Temp & Contract Labor	531001	Temp Contract Labor RT	53,838	25,202	91,000	66,000	(25,000)
435	Temp & Contract Labor	531006	Temp Ctr Labor Indirect Project	(11)	0	0	0	0
435	Temp & Contract Labor	531009	Temp Ctr Labor Non-IRWD Payroll	0	1,400	0	0	0
435	Electrical Usage	541001	Electrical Usage	499	0	0	0	0
435	Fuel	542003	Fuel Sand Canyon	0	72	0	0	0
435	Telecommunication	543007	Telephone Wireless Comm Calsense	153	122	0	0	0
435	Other Utilities	544004	Duck Club Fuel	779	0	200	500	300
435	Other Utilities	544007	Trash	16,554	10,196	15,000	15,000	0
435	Other Utilities	544008	Trash and Portable Toilets	2,283	278	1,600	1,600	0
435	Other Utilities	544009	Well 21 Water Srv For Tustin	2,105	1,263	2,600	2,600	0
435	Operating Supplies	552001	Operating Supplies	21	0	0	0	0
435	Operating Supplies	552012	Op Supl Whse Janitorial	30	35	0	0	0
435	Operating Supplies	552030	Op Supl Shadetree Supl	11,130	7,220	6,000	10,000	4,000

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
435	Operating Supplies	552034	Op Supl Tools And Equipment	3,963	2,747	6,000	6,000	0
435	Operating Supplies	552038	Op Supl Warehouse inventory	11,495	2,118	13,500	10,000	(3,500)
435	Operating Supplies	552041	Op Supl Work Equip Supl	286	0	0	0	0
435	Operating Supplies	552042	Op Supl Safety Supl PPE	929	0	0	0	0
435	Permits, Licenses and Fees	555005	Permits Lic Encroachment Pmit	230	0	0	0	0
435	Equipment Rental	562001	Equipment Rental	440	0	0	0	0
435	Rep & Maint IRWD	572002	Rep IRWD Building	55,748	22,830	39,400	37,500	(1,900)
435	Rep & Maint IRWD	572005	Rep IRWD Sign	5,746	505	3,600	3,600	0
435	Rep & Maint IRWD	572011	Rep IRWD Asphalt Rpl	0	9,995	0	10,000	10,000
435	Rep & Maint IRWD	572018	Rep IRWD Bld Sprinkler Sys	3,170	0	4,350	4,360	10
435	Rep & Maint IRWD	572046	Rep IRWD Duck Club	4,056	9,707	15,000	14,000	(1,000)
435	Rep & Maint IRWD	572051	Rep IRWD Fence	29,180	10,897	10,000	10,000	0
435	Rep & Maint IRWD	572053	Rep IRWD Fire Extinguish Service	6,997	9,416	10,000	6,000	(4,000)
435	Rep & Maint IRWD	572063	Rep IRWD HVAC	652	0	0	0	0
435	Rep & Maint IRWD	572064	Rep IRWD HVAC Non Contract	3,984	391	6,000	4,000	(2,000)
435	Rep & Maint IRWD	572076	Rep IRWD Janitorial Srv - Fld Sts	12,513	3,658	13,100	13,000	(100)
435	Rep & Maint IRWD	572079	Rep IRWD Landscape Adtl Work	97,297	52,905	90,000	90,000	0
435	Rep & Maint IRWD	572080	Rep IRWD Landscape Irrig Maint	412,246	196,342	422,600	401,500	(21,100)
435	Rep & Maint IRWD	572081	Rep IRWD Landscape Erosion Cntrl	55,914	920	20,000	9,600	(10,400)
435	Rep & Maint IRWD	572082	Rep IRWD Landscape Irrig Repairs	62,728	33,292	40,000	40,000	0
435	Rep & Maint IRWD	572098	Rep IRWD Midge Fly Fogging	71,333	31,302	74,000	74,000	0
435	Rep & Maint IRWD	572104	Rep IRWD Paint	34,437	9,387	45,000	5,000	(40,000)
435	Rep & Maint IRWD	572107	Rep IRWD Pest Control	59,477	42,087	69,500	69,500	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
435	Rep & Maint IRWD	572108	Rep IRWD Pest Control Maint	13,032	32,525	9,000	9,000	0
435	Rep & Maint IRWD	572120	Rep IRWD Roof Repair	11,490	0	10,000	7,000	(3,000)
435	Rep & Maint IRWD	572124	Rep IRWD Shadetree	20,660	6,975	6,000	12,000	6,000
435	Rep & Maint IRWD	572125	Rep IRWD Shadetree Fire Ant Trtmnt	1,574	1,506	1,600	3,200	1,600
435	Rep & Maint IRWD	572133	Rep IRWD Street Sweeping	16,018	5,585	11,000	11,000	0
435	Rep & Maint IRWD	572141	Rep IRWD UnderWtr Reservoir Insp	119,062	3,800	90,000	90,000	0
435	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	3,011	1,080	0	0	0
435	Rep & Maint IRWD	572154	Rep IRWD IRWDine LK DeVegetation	10,134	3,491	0	0	0
435	Rep & Maint IRWD	572161	Rep IRWD Treatment Plant Proj	400	0	0	0	0
435	Rep & Maint IRWD	572164	Rep IRWD Contract Painting	0	8,978	150,000	82,000	(68,000)
435	Other Professional Fees	588055	Shadetree	15	0	0	0	0
435	Equipment Usage	590001	Equipment Usage	0	68,710	0	0	0
Total . . . Facilities Services				1,543,029	622,466	1,826,350	1,929,460	103,110

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
440	Labor Expense RT	23,253	0	64,200	0	(64,200)
440	Labor Expense OT	10,612	2,070	6,800	6,000	(800)
440	Employee Benefits	0	0	0	0	0
440	Temp & Contract Labor	6,113	0	0	0	0
440	Electrical Usage	121,736	79,709	135,000	135,000	0
440	Fuel	8,995	4,904	20,000	10,000	(10,000)
440	Other Utilities	5,249	3,293	5,000	5,000	0
440	Operating Supplies	17,432	10,827	26,000	22,000	(4,000)
440	Rep & Maint IRWD	247,885	101,432	207,200	189,200	(18,000)
440	Personnel Training	0	167	0	0	0
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Total . . . Sand Canyon Property Maintenance		441,275	202,401	464,200	367,200	(97,000)
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Major Dept ... Operations						
445	Labor Expense RT	55,799	0	64,200	0	(64,200)
445	Labor Expense OT	6,720	1,111	6,800	4,000	(2,800)
445	Employee Benefits	0	0	0	0	0
445	Temp & Contract Labor	17,190	0	0	0	0
445	Fuel	19,896	6,272	30,000	30,000	0
445	Other Utilities	18,769	9,710	25,000	20,000	(5,000)
445	Operating Supplies	32,186	15,247	40,000	35,000	(5,000)
445	Rep & Maint IRWD	278,309	138,115	207,200	223,200	16,000
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Total . . . Operations Center Property Maintenance		428,870	170,455	373,200	312,200	(61,000)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
440	Labor Expense RT	521001	Labor Expense RT	23,253	0	64,200	0	(64,200)
440	Labor Expense OT	522001	Labor Expense OT	10,612	2,070	6,800	6,000	(800)
440	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	0	0
440	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	0	0
440	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	0	0
440	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	0	0
440	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	0	0
440	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	0	0
440	Temp & Contract Labor	531001	Temp Contract Labor RT	6,113	0	0	0	0
440	Electrical Usage	541003	Electrical Usage Sand Canyon	121,736	79,709	135,000	135,000	0
440	Fuel	542003	Fuel Sand Canyon	8,995	4,904	20,000	10,000	(10,000)
440	Other Utilities	544007	Trash	5,249	3,293	5,000	5,000	0
440	Operating Supplies	552001	Operating Supplies	0	266	0	0	0
440	Operating Supplies	552011	Op Supl Janitorial Supl	17,432	10,243	26,000	22,000	(4,000)
440	Operating Supplies	552012	Op Supl Whse Janitorial	0	318	0	0	0
440	Rep & Maint IRWD	572002	Rep IRWD Building	9,506	8,322	15,000	15,000	0
440	Rep & Maint IRWD	572005	Rep IRWD Sign	517	426	0	0	0
440	Rep & Maint IRWD	572007	Rep IRWD Air Frshnr Deodorizer	1,110	611	1,100	1,100	0
440	Rep & Maint IRWD	572018	Rep IRWD Bld Sprinkler Sys	1,078	1,505	1,500	1,500	0
440	Rep & Maint IRWD	572048	Rep IRWD Elevator	3,825	1,777	5,000	5,000	0
440	Rep & Maint IRWD	572050	Rep IRWD Fitness Room Equip	683	0	500	500	0
440	Rep & Maint IRWD	572052	Rep IRWD Fire Alarm	0	0	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
440	Rep & Maint IRWD	572063	Rep IRWD HVAC	9,585	3,994	9,600	9,600	0
440	Rep & Maint IRWD	572064	Rep IRWD HVAC Non Contract	23,757	2,151	5,000	5,000	0
440	Rep & Maint IRWD	572069	Rep IRWD Interior Plants	16,470	8,499	10,000	15,000	5,000
440	Rep & Maint IRWD	572074	Rep IRWD Janitorial Non Ctr	7,040	0	3,000	3,000	0
440	Rep & Maint IRWD	572075	Rep IRWD Janitorial Srv	62,563	24,722	56,000	56,000	0
440	Rep & Maint IRWD	572078	Rep IRWD Landscaping	49,201	849	0	0	0
440	Rep & Maint IRWD	572079	Rep IRWD Landscape Adtl Work	0	8,971	33,000	10,000	(23,000)
440	Rep & Maint IRWD	572080	Rep IRWD Landscape Irrig Maint	1,633	4,652	14,000	14,000	0
440	Rep & Maint IRWD	572082	Rep IRWD Landscape Irrig Repairs	0	0	5,000	5,000	0
440	Rep & Maint IRWD	572093	Rep IRWD Lighting	9,508	3,431	8,500	8,500	0
440	Rep & Maint IRWD	572105	Rep IRWD Painting Hdq	0	7,640	5,000	5,000	0
440	Rep & Maint IRWD	572107	Rep IRWD Pest Control	9,186	7,484	11,500	11,500	0
440	Rep & Maint IRWD	572108	Rep IRWD Pest Control Maint	314	0	1,000	1,000	0
440	Rep & Maint IRWD	572133	Rep IRWD Street Sweeping	330	0	0	0	0
440	Rep & Maint IRWD	572139	Rep IRWD Tree Treatments	0	0	2,500	2,500	0
440	Rep & Maint IRWD	572148	Rep IRWD Wtr Feature	37,152	13,475	10,000	10,000	0
440	Rep & Maint IRWD	572152	Rep IRWD Window Service	1,462	2,924	10,000	10,000	0
440	Rep & Maint IRWD	572156	Rep IRWD Partition Relocation	2,965	0	0	0	0
440	Personnel Training	586015	Employee appreciation meeting	0	167	0	0	0
Total . . . Sand Canyon Property Maintenance				441,275	202,401	464,200	367,200	(97,000)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
445	Labor Expense RT	521001	Labor Expense RT	55,799	0	64,200	0	(64,200)
445	Labor Expense OT	522001	Labor Expense OT	6,720	1,111	6,800	4,000	(2,800)
445	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	0	0
445	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	0	0
445	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	0	0
445	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	0	0
445	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	0	0
445	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	0	0
445	Temp & Contract Labor	531001	Temp Contract Labor RT	17,190	0	0	0	0
445	Fuel	542002	Fuel Operations Center	19,896	6,272	30,000	30,000	0
445	Other Utilities	544007	Trash	18,769	9,710	25,000	20,000	(5,000)
445	Operating Supplies	552012	Op Supl Whse Janitorial	32,034	15,228	40,000	35,000	(5,000)
445	Operating Supplies	552038	Op Supl Warehouse inventory	152	19	0	0	0
445	Rep & Maint IRWD	572002	Rep IRWD Building	33,604	18,550	32,000	32,000	0
445	Rep & Maint IRWD	572003	Rep IRWD Equipment	0	153	0	0	0
445	Rep & Maint IRWD	572005	Rep IRWD Sign	337	325	0	0	0
445	Rep & Maint IRWD	572007	Rep IRWD Air Frshnr Deodorizer	2,689	1,414	2,700	2,700	0
445	Rep & Maint IRWD	572018	Rep IRWD Bld Sprinkler Sys	2,842	2,741	3,000	3,000	0
445	Rep & Maint IRWD	572022	Rep IRWD Chlrn Scrbbber Cstic Rpl	130	0	0	0	0
445	Rep & Maint IRWD	572048	Rep IRWD Elevator	2,127	3,101	3,000	3,000	0
445	Rep & Maint IRWD	572050	Rep IRWD Fitness Room Equip	1,517	1,036	1,200	1,200	0
445	Rep & Maint IRWD	572051	Rep IRWD Fence	325	0	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
445	Rep & Maint IRWD	572052	Rep IRWD Fire Alarm	2,316	400	2,000	2,000	0
445	Rep & Maint IRWD	572063	Rep IRWD HVAC	21,391	13,394	18,000	18,000	0
445	Rep & Maint IRWD	572064	Rep IRWD HVAC Non Contract	21,809	11,598	5,000	15,000	10,000
445	Rep & Maint IRWD	572068	Rep IRWD Interior Painting	4,524	0	5,000	5,000	0
445	Rep & Maint IRWD	572069	Rep IRWD Interior Plants	17,086	8,333	9,000	15,000	6,000
445	Rep & Maint IRWD	572074	Rep IRWD Janitorial Non Ctr	3,488	0	4,000	4,000	0
445	Rep & Maint IRWD	572075	Rep IRWD Janitorial Srv	82,521	35,433	70,000	70,000	0
445	Rep & Maint IRWD	572078	Rep IRWD Landscaping	30,388	0	0	0	0
445	Rep & Maint IRWD	572079	Rep IRWD Landscape Adtl Work	705	8,026	2,000	2,000	0
445	Rep & Maint IRWD	572080	Rep IRWD Landscape Irrig Maint	9,288	877	20,800	20,800	0
445	Rep & Maint IRWD	572082	Rep IRWD Landscape Irrig Repairs	0	7,457	2,000	2,000	0
445	Rep & Maint IRWD	572093	Rep IRWD Lighting	10,958	6,857	5,000	5,000	0
445	Rep & Maint IRWD	572107	Rep IRWD Pest Control	9,186	13,265	10,000	10,000	0
445	Rep & Maint IRWD	572108	Rep IRWD Pest Control Maint	629	0	0	0	0
445	Rep & Maint IRWD	572139	Rep IRWD Tree Treatments	0	0	1,500	1,500	0
445	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	0	17	0	0	0
445	Rep & Maint IRWD	572152	Rep IRWD Window Service	9,444	5,078	11,000	11,000	0
445	Rep & Maint IRWD	572156	Rep IRWD Partition Relocation	11,005	61	0	0	0
Total . . . Operations Center Property Maintenance				428,870	170,455	373,200	312,200	(61,000)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
450	Labor Expense RT	228,236	0	422,400	349,900	(72,500)
450	Labor Expense OT	1,066	472	3,400	4,000	600
450	Employee Benefits	0	0	0	111,900	111,900
450	Fuel	29	396,647	410,000	570,000	160,000
450	Other Utilities	0	0	45,000	45,000	0
450	Operating Supplies	5,965	2,972	11,450	11,460	10
450	Permits, Licenses and Fees	0	0	3,500	3,500	0
450	Office Supplies	167	20	0	0	0
450	Equipment Rental	3,147	0	5,000	5,000	0
450	Rep & Maint IRWD	4,490	331,158	453,500	539,600	86,100
450	Other Professional Fees	0	35	0	0	0
450	Equipment Usage	1,209,472	603,794	0	0	0
450	Mileage Reimbursement	106,702	42,956	107,000	114,000	7,000
Total ... Fleet Services		1,559,273	1,378,054	1,461,250	1,754,360	293,110
Major Dept ... Operations						
451	Labor Expense OT	228,951	0	282,600	0	(282,600)
451	Temp & Contract Labor	545	0	0	0	0
451	Chemicals	207	0	0	0	0
451	Operating Supplies	1,963	631	4,000	0	(4,000)
451	Rep & Maint IRWD	1,112	1,014	1,200	0	(1,200)
Total ... Standby Program		232,779	1,645	287,800	0	(287,800)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
450	Labor Expense RT	521001	Labor Expense RT	228,236	0	422,400	349,900	(72,500)
450	Labor Expense OT	522001	Labor Expense OT	1,066	472	3,400	4,000	600
450	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	9,700	9,700
450	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	4,800	4,800
450	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	9,100	9,100
450	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	56,400	56,400
450	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	31,200	31,200
450	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	700	700
450	Fuel	542004	Fuel Class 1	29	56,135	45,100	62,700	17,600
450	Fuel	542005	Fuel Class 2	0	258,642	278,800	387,600	108,800
450	Fuel	542006	Fuel Class 3	0	66,175	65,600	91,200	25,600
450	Fuel	542007	Fuel Class 4	0	9,802	8,200	11,400	3,200
450	Fuel	542008	Fuel Class 5	0	5,893	12,300	17,100	4,800
450	Other Utilities	544005	GPS Tracking Sys	0	0	45,000	45,000	0
450	Operating Supplies	552001	Operating Supplies	0	8	0	0	0
450	Operating Supplies	552022	Op Supl Radios	0	0	2,000	2,000	0
450	Operating Supplies	552034	Op Supl Tools And Equipment	1,490	0	3,750	3,760	10
450	Operating Supplies	552038	Op Supl Warehouse inventory	2,858	2,964	3,200	3,200	0
450	Operating Supplies	552041	Op Supl Work Equip Supl	1,131	0	2,500	2,500	0
450	Operating Supplies	552042	Op Supl Safety Supl PPE	486	0	0	0	0
450	Permits, Licenses and Fees	555018	Permits Lic Radio Repeatr Site Lse	0	0	3,500	3,500	0
450	Office Supplies	556001	Office Supplies	0	20	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
450	Office Supplies	556008	Office Supl Misc Office Exp	167	0	0	0	0
450	Equipment Rental	562001	Equipment Rental	1,948	0	0	0	0
450	Equipment Rental	562007	Equip Rnt Heavy Equipment	1,199	0	0	0	0
450	Equipment Rental	562008	Equip Rnt Large Crane	0	0	5,000	5,000	0
450	Rep & Maint IRWD	572001	Rep Maint IRWD	0	47	0	0	0
450	Rep & Maint IRWD	572023	Rep IRWD Class 1 Parts	2	13,386	25,000	25,000	0
450	Rep & Maint IRWD	572024	Rep IRWD Class 2 Parts	0	98,912	135,500	168,000	32,500
450	Rep & Maint IRWD	572025	Rep IRWD Class 3 Parts	0	72,479	90,000	105,000	15,000
450	Rep & Maint IRWD	572026	Rep IRWD Class 4 Parts	0	15,727	20,000	30,000	10,000
450	Rep & Maint IRWD	572027	Rep IRWD Class 5 Parts	0	4,772	6,000	9,000	3,000
450	Rep & Maint IRWD	572028	Rep IRWD Class 6 Parts	221	4,673	10,000	9,000	(1,000)
450	Rep & Maint IRWD	572029	Rep IRWD Class 7 Parts	0	1,562	0	3,100	3,100
450	Rep & Maint IRWD	572030	Rep IRWD Class 9 Parts	1,337	5,074	2,000	6,000	4,000
450	Rep & Maint IRWD	572031	Rep IRWD Class 1 Contracts	0	7,493	17,500	17,500	0
450	Rep & Maint IRWD	572032	Rep IRWD Class 2 Contracts	0	36,059	65,000	65,000	0
450	Rep & Maint IRWD	572033	Rep IRWD Class 3 Contracts	0	64,510	67,500	89,000	21,500
450	Rep & Maint IRWD	572034	Rep IRWD Class 4 Contracts	0	2,071	5,000	4,000	(1,000)
450	Rep & Maint IRWD	572035	Rep IRWD Class 5 Contracts	0	1,239	5,000	2,400	(2,600)
450	Rep & Maint IRWD	572036	Rep IRWD Class 6 Contracts	0	300	5,000	600	(4,400)
450	Rep & Maint IRWD	572037	Rep IRWD Class 7 Contracts	0	500	0	1,000	1,000
450	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	26	18	0	0	0
450	Rep & Maint IRWD	572157	Rep IRWD Portable Generator	2,904	0	0	0	0
450	Rep & Maint IRWD	572170	Rep IRWD Class 9 Contracts	0	2,336	0	5,000	5,000

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
450	Other Professional Fees	588028	General And Misc Expense	0	35	0	0	0
450	Equipment Usage	590001	Equipment Usage	1,209,472	603,794	0	0	0
450	Mileage Reimbursement	591001	Auto Allowance	64,285	12,705	65,000	65,000	0
450	Mileage Reimbursement	591002	Mileage Reimbursement Fas Trak	21,580	19,090	23,000	30,000	7,000
450	Mileage Reimbursement	591003	Mileage Reimbursement	20,837	11,160	19,000	19,000	0
Total . . . Fleet Services				1,559,273	1,378,054	1,461,250	1,754,360	293,110
Major Dept ... Operations								
451	Labor Expense OT	522001	Labor Expense OT	228,951	0	282,600	0	(282,600)
451	Temp & Contract Labor	531001	Temp Contract Labor RT	545	0	0	0	0
451	Chemicals	551031	Chem Sodium Thiosulfate	207	0	0	0	0
451	Operating Supplies	552001	Operating Supplies	0	0	2,000	0	(2,000)
451	Operating Supplies	552034	Op Supl Tools And Equipment	78	0	0	0	0
451	Operating Supplies	552038	Op Supl Warehouse inventory	1,885	533	2,000	0	(2,000)
451	Operating Supplies	552041	Op Supl Work Equip Supl	0	98	0	0	0
451	Rep & Maint IRWD	572096	Rep IRWD Meter Repair Parts	0	916	0	0	0
451	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	1,112	98	0	0	0
451	Rep & Maint IRWD	572147	Rep IRWD Whs RepaiReprtl	0	0	1,200	0	(1,200)
Total . . . Standby Program				232,779	1,645	287,800	0	(287,800)



WATER QUALITY & ENVIRONMENTAL COMPLIANCE

OPERATING BUDGET SUMMARY

Program Description

The Water Quality Department provides a wide range of support services that include Water Quality Analysis, Regulatory Compliance, Water Quality Projects, Environmental Projects and Water Quality Administration.

Water Quality Analysis provides our customers, both internal and external, with high quality data in a professional and timely manner. The Water Quality Analysis Department utilizes state-of-the-art, United States Environmental Protection Agency (EPA) and California Department of Public Health (CDPH) approved analytical methods to provide data for regulatory monitoring and reporting, process control, research projects and capital projects.

Regulatory Compliance plans and manages District-wide programs to ensure the District complies with all environmental regulations governing water, wastewater and groundwater discharges. Staff collects all required samples of water, wastewater and recycled water from distribution systems, treatment facilities, storage reservoirs, wetland operations and customer facilities to assure quality services and products are served to our customers. This sub-department also responds to customer service issues and concerns regarding water quality. In addition to water-related programs, Regulatory Compliance staff manages other regulatory compliance programs such as Hazardous Waste, Underground Storage Tanks, Aboveground Petroleum Storage Tanks and Universal Waste.

Environmental Projects plans and manages projects which evaluate the environmental effects of District activities and proposed laws and regulations and administers regulatory permits issued to regulate environmental effects. Environmental Projects also participates with Orange County and the cities in the Newport Bay watershed, the Orange County Sanitation District and South Orange County Wastewater Authority, to address watershed and permit issues including environmental evaluation and permitting.

Water Quality Projects conducts research, develops projects and provides process control support and problem solving to enhance the performance of the District's domestic and recycled water supply, treatment, distribution, storage and compliance objectives. It provides similar support to the District's wastewater collection/treatment, recycled water and urban runoff treatment systems.

Water Quality Administration assists all Water Quality and Environmental sub-departments in carrying out their missions; provides Water Quality related support to the operations and maintenance of all water and sewer collections systems; and ensures that all District operations are conducted in a safe, reliable, cost-effective, environmentally sensitive manner to achieve a high level of customer satisfaction.



WATER QUALITY & ENVIRONMENTAL COMPLIANCE

OPERATING BUDGET SUMMARY

Major Goals

WATER QUALITY ANALYSIS

- Perform necessary analyses to determine compliance with all applicable federal, state and local environmental and water quality laws and regulations. Provide process control data to assist operating groups in meeting their regulatory requirements.
- Complete and submit all regulatory monitoring data by the specified due dates.
- Complete analyses within specified hold times and meet quality control specifications.
- Research and implement new testing methods where justified, specifically methods routinely sent out to contract laboratories and screening methods for system security and general water quality concerns.
- Maintain the laboratory's Environmental Laboratory Accreditation Program (ELAP) certification by submitting the renewal application by the prescribed due date and successfully completing the site audit.
- Successfully complete all required water, wastewater, hazardous waste and DMR proficiency testing samples and submit the data by the prescribed due date.
- Research and implement, where appropriate, improved means to communicate water quality data to internal and external customers.
- Be environmentally responsible in the selection, procurement and disposal of reagents utilized in the laboratory.
- Seek to improve established contacts with regulatory agencies.

REGULATORY COMPLIANCE

- Ensure the District operates in full compliance with all applicable federal, state and local environmental and water quality laws and regulations.
- Respond to Water Quality Customer Service Requests and investigate the customer's concern.
- Determine required monitoring programs to address all regulatory requirements for potable, wastewater and recycled water.
- Coordinate with other agencies with respect to Industrial Waste Programs and other projects.
- Plan, organize and supervise the work of the Compliance Monitoring Group.
- Collect potable system distribution and storage samples to comply with the CDPH monitoring plan and to proactively identify any developing quality issues in the system.
- Collect MWRP and LAW RP samples to assure proper operation of the treatment facilities and compliance with each facilities' NPDES permit.



WATER QUALITY & ENVIRONMENTAL COMPLIANCE

OPERATING BUDGET SUMMARY

ENVIRONMENTAL PROJECTS

- Assist and provide resources to other departments with environmental and water permitting issues.
- Prepare and submit environmental permit applications for routine activities and projects.
- Administer the environmental reporting on the District's wetlands development and operations.
- Assist in the development of environmental quality projects and coordinate research and development activities.

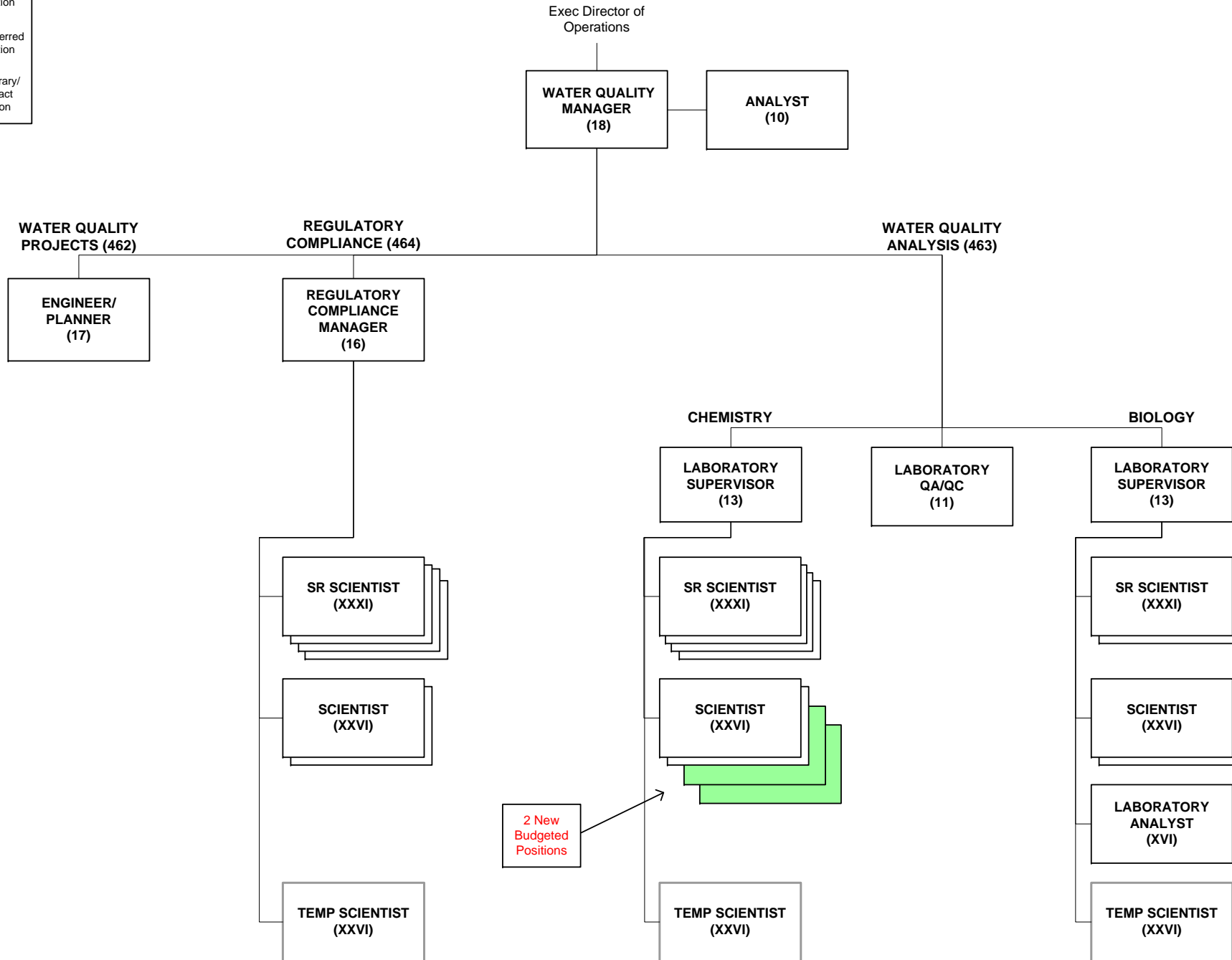
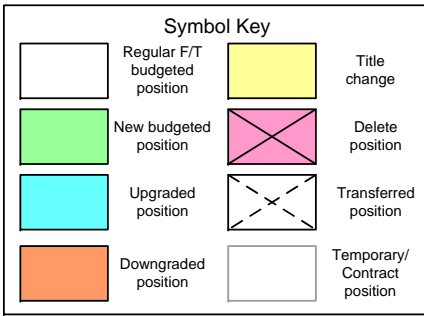
WATER QUALITY PROJECTS

- Evaluate process control and water quality monitoring data to assess, correct or recommend performance improvement of the IRWD membrane treatment facilities, including IDP-SGU, IDP-PAP, IDP-PTP, DATS, CATS, the Manning Treatment Plant, the future Baker Treatment Plant and the future Tustin Wells 21/22 Treatment Plant.
- Develop test protocols, standard operating protocols and procedures, operate, perform sample collection and monitoring of bench, pilot and full-scale process facilities, including the Cienega demonstration subsurface filtration project and other applicable IRWD pilot and demonstration research projects.
- Actively monitor operation and perform troubleshooting of full scale and partial RMS installed at 19 IRWD domestic water reservoirs. Provide support to new RMS design and construction at various IRWD potable reservoirs.
- Act as a liaison and administer reporting IRWD groundwater extraction and treatment operations for removal of the TCE plume from the Irvine sub-basin groundwater at the IDP Principal Aquifer wells, IDP-PAP and IDP-SGU to the Department of the Navy (DON), local and state regulatory agencies.
- Train Plant and Systems Operations staff on process control procedures, monitoring and troubleshooting in the various water treatment and monitoring applications.
- Provide engineering assistance to IRWD staff in the administration, planning, design, construction and operation of water, wastewater and irrigation facilities. Provide guidance and recommendations on operation of the IRWD wastewater discharge dechlorination facilities to improve IRWD compliance with the NPDES discharge permit.
- Develop and analyze alternative approaches for meeting water quality regulations.
- Assist in the development and coordinate district wide research, pilot and demonstration projects.
- Administer Water Quality potable, wastewater and recycled water planning reserves projects.

WATER QUALITY ADMINISTRATION

- Ensure the District operates in full compliance with all applicable federal, state and local environmental and water quality laws and regulations.

**IRVINE RANCH WATER DISTRICT
WATER QUALITY
PROPOSED FISCAL YEAR 2012-13**



Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
461	Labor Expense RT	170,650	0	247,600	205,900	(41,700)
461	Employee Benefits	0	0	0	65,800	65,800
461	Temp & Contract Labor	3,353	3,423	0	0	0
461	Operating Supplies	29	4	0	0	0
461	Postage Services	864	114	500	500	0
461	Permits, Licenses and Fees	145,037	(296)	0	0	0
461	Office Supplies	1,971	2,004	2,500	2,500	0
461	Personnel Training	2,786	50	10,000	10,000	0
461	Other Professional Fees	88,252	83,239	187,000	77,000	(110,000)
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Total . . . Water Quality Administration		412,943	88,538	447,600	361,700	(85,900)
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Major Dept ... Operations						
462	Labor Expense RT	52,306	0	109,900	114,700	4,800
462	Employee Benefits	0	0	0	37,500	37,500
462	Operating Supplies	447	0	850	850	0
462	Postage Services	164	16	0	0	0
462	Engineering Fees	0	0	7,900	7,900	0
462	Personnel Training	1,473	13,403	4,800	4,800	0
462	Other Professional Fees	352	125	300	55,300	55,000
462	Safety	0	3	0	0	0
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Total . . . Water Quality Projects		54,743	13,546	123,750	221,050	97,300

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
461	Labor Expense RT	521001	Labor Expense RT	170,650	0	247,600	205,900	(41,700)
461	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	5,600	5,600
461	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	2,800	2,800
461	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	5,400	5,400
461	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	33,300	33,300
461	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	18,400	18,400
461	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	300	300
461	Temp & Contract Labor	531001	Temp Contract Labor RT	3,353	3,423	0	0	0
461	Operating Supplies	552038	Op Supl Warehouse inventory	29	4	0	0	0
461	Postage Services	554001	Postage Services	864	114	500	500	0
461	Permits, Licenses and Fees	555014	Permits Lic MWRP NPDES Permit	49,717	0	0	0	0
461	Permits, Licenses and Fees	555016	Permits Lic PF RD Encroachment	7,275	(3,000)	0	0	0
461	Permits, Licenses and Fees	555019	Permits Lic Region 8 9 Dewater	9,793	0	0	0	0
461	Permits, Licenses and Fees	555022	Permits Lic SCAQMD	44,821	2,704	0	0	0
461	Permits, Licenses and Fees	555026	Permits Lic SWRCB SSO WDR	32,885	0	0	0	0
461	Permits, Licenses and Fees	555030	Permits Lic Wtr Rights	546	0	0	0	0
461	Office Supplies	556001	Office Supplies	1,971	2,004	2,500	2,500	0
461	Personnel Training	586001	Personnel Conferences	2,651	50	8,500	8,500	0
461	Personnel Training	586002	Personnel Memberships	135	0	1,500	1,500	0
461	Other Professional Fees	588001	Professional Meetings	11	0	0	0	0
461	Other Professional Fees	588028	General And Misc Expense	391	243	2,000	2,000	0
461	Other Professional Fees	588031	IRWD Related Cntrbtions To Others	66,884	69,479	75,000	75,000	0

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
461	Other Professional Fees	588039	Research Projects	20,966	13,517	110,000	0	(110,000)
Total . . . Water Quality Administration				412,943	88,538	447,600	361,700	(85,900)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
462	Labor Expense RT	521001	Labor Expense RT	52,306	0	109,900	114,700	4,800
462	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	3,200	3,200
462	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	1,500	1,500
462	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	3,100	3,100
462	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	19,000	19,000
462	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	10,500	10,500
462	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	200	200
462	Operating Supplies	552004	Op Supl Chemical Supl	237	0	500	500	0
462	Operating Supplies	552009	Op Supl Hand Tools	0	0	50	50	0
462	Operating Supplies	552033	Op Supl Samplers And Meters	152	0	200	200	0
462	Operating Supplies	552038	Op Supl Warehouse inventory	59	0	100	100	0
462	Postage Services	554001	Postage Services	164	0	0	0	0
462	Postage Services	554005	Postage Contr Lab Shipment	0	16	0	0	0
462	Engineering Fees	583007	Eng Fees Consultant Services	0	0	7,900	7,900	0
462	Personnel Training	586001	Personnel Conferences	679	13,148	4,100	4,100	0
462	Personnel Training	586002	Personnel Memberships	574	255	500	500	0
462	Personnel Training	586003	Training Publications	220	0	200	200	0
462	Other Professional Fees	588008	Certification Renewals	0	125	300	300	0
462	Other Professional Fees	588039	Research Projects	352	0	0	55,000	55,000
462	Safety	594004	Safety General Safety Expense	0	3	0	0	0
Total . . . Water Quality Projects				54,743	13,546	123,750	221,050	97,300

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
463	Labor Expense RT	635,760	0	1,174,304	1,285,500	111,196
463	Labor Expense OT	13,474	6,059	12,300	12,600	300
463	Employee Benefits	0	0	0	410,200	410,200
463	Temp & Contract Labor	130,400	62,011	107,000	35,100	(71,900)
463	Operating Supplies	260,241	130,324	283,700	316,540	32,840
463	Postage Services	2,543	2,504	4,700	5,100	400
463	Permits, Licenses and Fees	5,975	7,331	7,300	7,300	0
463	Office Supplies	50	16	0	0	0
463	Equipment Rental	16,081	2,293	32,000	0	(32,000)
463	Rep & Maint IRWD	186,111	133,370	188,200	179,335	(8,865)
463	Engineering Fees	51,847	64,953	146,800	148,300	1,500
463	Personnel Training	5,585	2,370	16,100	16,100	0
463	Other Professional Fees	2,222	3,932	1,500	1,500	0
463	Safety	2,204	1,828	1,700	1,710	10
Total . . . Water Quality Analysis		1,312,493	416,990	1,975,604	2,419,285	443,681

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
463	Labor Expense RT	521001	Labor Expense RT	635,760	0	1,174,304	1,285,500	111,196
463	Labor Expense OT	522001	Labor Expense OT	12,959	5,224	12,300	12,600	300
463	Labor Expense OT	522003	Labor Exp OT Indirect Project	516	835	0	0	0
463	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	35,400	35,400
463	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	17,700	17,700
463	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	33,400	33,400
463	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	207,000	207,000
463	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	114,700	114,700
463	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	2,000	2,000
463	Temp & Contract Labor	531003	Temp Ctr Labor FT Positions	130,400	62,011	107,000	35,100	(71,900)
463	Operating Supplies	552005	Op Supl Chemistry	155,977	84,316	181,000	202,740	21,740
463	Operating Supplies	552018	Op Supl Microbiology	93,414	38,071	97,000	99,800	2,800
463	Operating Supplies	552028	Op Supl Sample Receiving	10,267	7,232	5,000	12,660	7,660
463	Operating Supplies	552038	Op Supl Warehouse inventory	584	705	700	1,340	640
463	Postage Services	554001	Postage Services	54	0	0	0	0
463	Postage Services	554005	Postage Contr Lab Shipment	2,489	2,504	4,700	5,100	400
463	Permits, Licenses and Fees	555006	Permits Lic Envr Lab Accrdttion	5,975	7,331	7,300	7,300	0
463	Office Supplies	556001	Office Supplies	50	16	0	0	0
463	Equipment Rental	562002	Equip Rnt Chemistry	16,081	2,293	3,200	0	(3,200)
463	Equipment Rental	562011	Equip Rnt Vapor Voc Sys	0	0	28,800	0	(28,800)
463	Rep & Maint IRWD	572004	Rep IRWD Miscellaneous	1,855	1,252	3,000	3,010	10
463	Rep & Maint IRWD	572012	Rep IRWD ASTM Cls1 Wghts Rcert	770	770	900	900	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
463	Rep & Maint IRWD	572013	Rep IRWD Atmic Absrp ICPMS Srv Agr	27,798	29,745	28,700	35,575	6,875
463	Rep & Maint IRWD	572015	Rep IRWD Autoclaves Steris	15,982	8,151	16,800	20,500	3,700
463	Rep & Maint IRWD	572016	Rep IRWD Sensor Calibration	825	873	900	900	0
463	Rep & Maint IRWD	572017	Rep IRWD Biolgcal Safety Cbnts CEPA	290	0	300	300	0
463	Rep & Maint IRWD	572019	Rep IRWD Calibrate Lab Equip	4,308	0	4,800	4,600	(200)
463	Rep & Maint IRWD	572021	Rep IRWD Centrifuge Bckmn Coulter	1,251	1,341	1,300	1,600	300
463	Rep & Maint IRWD	572043	Rep IRWD Deionized Wtr Non Ctr	13,239	1,407	4,100	4,100	0
463	Rep & Maint IRWD	572045	Rep IRWD Discrete Analyzers Seal	10,795	9,800	11,300	11,875	575
463	Rep & Maint IRWD	572056	Rep IRWD Fume Hoods Maint Agr	1,500	1,500	1,600	1,600	0
463	Rep & Maint IRWD	572057	Rep IRWD Gas Chrom Mass Spectr	53,515	26,617	56,200	59,000	2,800
463	Rep & Maint IRWD	572059	Rep IRWD Glasswr Wshr Lancer USA	2,034	301	2,400	2,400	0
463	Rep & Maint IRWD	572070	Rep IRWD Ion Chromtgrph Dionix	9,355	11,093	9,800	10,380	580
463	Rep & Maint IRWD	572094	Rep IRWD LIMS Sys Support	25,995	27,403	27,300	0	(27,300)
463	Rep & Maint IRWD	572097	Rep IRWD Microscope	550	550	600	595	(5)
463	Rep & Maint IRWD	572116	Rep IRWD Fence Reprs And Upgrds	0	702	0	0	0
463	Rep & Maint IRWD	572136	Rep IRWD TOC Analyzer GE	8,715	8,678	9,200	10,000	800
463	Rep & Maint IRWD	572142	Rep IRWD Unintrruptble Pwr Supl	7,334	3,190	9,000	12,000	3,000
463	Engineering Fees	583001	Engineering Fees	45,691	64,287	56,000	144,500	88,500
463	Engineering Fees	583008	Eng Fees Contract Lab Services	0	0	81,800	0	(81,800)
463	Engineering Fees	583010	Eng Fees DeWtring Urban Run Off	3,858	0	7,000	1,400	(5,600)
463	Engineering Fees	583015	Eng Fees SPCC Plan Review	268	0	0	0	0
463	Engineering Fees	583020	Eng Fees Unanticipated Contr Lab	952	666	1,000	1,400	400
463	Engineering Fees	583022	Eng Fees Industrial Wastes	1,079	0	1,000	1,000	0

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
463	Personnel Training	586001	Personnel Conferences	2,440	1,089	6,600	6,600	0
463	Personnel Training	586002	Personnel Memberships	1,470	902	1,500	1,500	0
463	Personnel Training	586004	Personnel Training	1,327	379	7,000	7,000	0
463	Personnel Training	586023	Training Reference Mtrls	349	0	1,000	1,000	0
463	Other Professional Fees	588001	Professional Meetings	9	0	0	0	0
463	Other Professional Fees	588008	Certification Renewals	763	409	1,500	1,500	0
463	Other Professional Fees	588039	Research Projects	1,450	3,523	0	0	0
463	Safety	594003	Safety Expendable Equipment	2,204	1,828	1,700	1,710	10
Total . . . Water Quality Analysis				1,312,493	416,990	1,975,604	2,419,285	443,681

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
464	Labor Expense RT	320,519	0	580,800	612,900	32,100
464	Labor Expense OT	51,744	29,872	55,000	55,000	0
464	Employee Benefits	0	0	0	191,800	191,800
464	Temp & Contract Labor	39,285	10,933	54,000	25,000	(29,000)
464	Operating Supplies	48,813	25,641	47,000	47,000	0
464	Postage Services	24	0	0	0	0
464	Permits, Licenses and Fees	125,240	80,708	134,200	134,200	0
464	Office Supplies	854	90	0	0	0
464	Rep & Maint IRWD	59,800	2,893	65,500	65,500	0
464	Engineering Fees	7,074	2,123	6,000	6,000	0
464	Personnel Training	4,939	3,378	14,500	14,500	0
464	Other Professional Fees	739	138	1,250	1,250	0
464	Safety	742	31	2,000	2,000	0
Total ... Regulatory Compliance		659,774	155,808	960,250	1,155,150	194,900
Major Dept ... Operations						
466	Labor Expense RT	22,823	0	0	0	0
466	Employee Benefits	0	0	0	0	0
466	Permits, Licenses and Fees	2,319	131,487	168,600	190,700	22,100
466	Rep & Maint IRWD	0	19,301	30,000	30,000	0
466	Engineering Fees	0	18,755	26,000	26,000	0
466	Other Professional Fees	3,055	532	0	0	0
Total ... Environmental Projects		28,197	170,075	224,600	246,700	22,100

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
464	Labor Expense RT	521001	Labor Expense RT	320,519	0	580,800	612,900	32,100
464	Labor Expense OT	522001	Labor Expense OT	41,355	17,351	7,500	7,500	0
464	Labor Expense OT	522002	Labor Expense OT Standby	0	0	47,500	47,500	0
464	Labor Expense OT	522003	Labor Exp OT Indirect Project	10,390	12,521	0	0	0
464	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	16,200	16,200
464	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	8,400	8,400
464	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	15,400	15,400
464	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	96,800	96,800
464	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	54,000	54,000
464	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	1,000	1,000
464	Temp & Contract Labor	531001	Temp Contract Labor RT	37,127	4,417	54,000	25,000	(29,000)
464	Temp & Contract Labor	531006	Temp Ctr Labor Indirect Project	2,158	2,968	0	0	0
464	Temp & Contract Labor	531009	Temp Ctr Labor Non-IRWD Payroll	0	3,548	0	0	0
464	Operating Supplies	552001	Operating Supplies	80	0	0	0	0
464	Operating Supplies	552004	Op Supl Chemical Supl	565	0	500	500	0
464	Operating Supplies	552018	Op Supl Microbiology	0	1,253	0	0	0
464	Operating Supplies	552027	Op Supl Sample Containers	24,471	11,432	25,000	25,000	0
464	Operating Supplies	552033	Op Supl Samplers And Meters	19,825	10,065	16,000	16,000	0
464	Operating Supplies	552037	Op Supl UST Mats And HW Wst Lbls	332	0	500	500	0
464	Operating Supplies	552038	Op Supl Warehouse inventory	3,251	2,868	0	0	0
464	Operating Supplies	552039	Op Supl Warehouse Supl	288	22	5,000	5,000	0
464	Postage Services	554001	Postage Services	24	0	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
464	Permits, Licenses and Fees	555004	Permits Lic DHS Waterworks Pmit	92,219	42,500	85,000	85,000	0
464	Permits, Licenses and Fees	555007	Permits Lic Hazmat Cal ARP OC	32,809	37,080	40,000	40,000	0
464	Permits, Licenses and Fees	555008	Permits Lic HW Fee Bd Of Equal	0	0	400	400	0
464	Permits, Licenses and Fees	555011	Permits Lic HW DTSC EPA ID No Ver Fee	212	1,128	3,200	3,200	0
464	Permits, Licenses and Fees	555020	Permits Lic Region 8 Stormwater	0	0	1,300	1,300	0
464	Permits, Licenses and Fees	555023	Permits Lic SPCC Facility	0	0	800	800	0
464	Permits, Licenses and Fees	555024	Permits Lic SPCC Storage Stmt	0	0	500	500	0
464	Permits, Licenses and Fees	555028	Permits Lic UST Permits	0	0	3,000	3,000	0
464	Office Supplies	556001	Office Supplies	854	90	0	0	0
464	Rep & Maint IRWD	572004	Rep IRWD Miscellaneous	4,887	499	7,000	7,000	0
464	Rep & Maint IRWD	572009	Rep IRWD Alarm Certification	35	0	1,500	1,500	0
464	Rep & Maint IRWD	572020	Rep IRWD CARB Testing	0	0	1,000	1,000	0
464	Rep & Maint IRWD	572060	Rep IRWD HW Disposal	39,270	4,897	45,000	45,000	0
464	Rep & Maint IRWD	572126	Rep IRWD Sigma Rfrgrtd Autsamplr	4,084	891	5,000	5,000	0
464	Rep & Maint IRWD	572128	Rep IRWD Spill Bucket Testing	0	0	1,000	1,000	0
464	Rep & Maint IRWD	572143	Rep IRWD Universal Wastes	3,896	0	5,000	5,000	0
464	Rep & Maint IRWD	572144	Rep IRWD UST Scnd Contnment Tsting	7,500	(3,414)	0	0	0
464	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	129	20	0	0	0
464	Engineering Fees	583015	Eng Fees SPCC Plan Review	0	2,040	3,000	3,000	0
464	Engineering Fees	583017	Eng Fees Traffic Control	910	83	2,000	2,000	0
464	Engineering Fees	583018	Eng Fees Training DOT	6,052	0	0	0	0
464	Engineering Fees	583019	Eng Fees Training UST	112	0	1,000	1,000	0

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
464	Personnel Training	586001	Personnel Conferences	1,648	795	3,800	3,800	0
464	Personnel Training	586002	Personnel Memberships	803	370	1,000	1,000	0
464	Personnel Training	586003	Training Publications	552	1,336	2,500	2,500	0
464	Personnel Training	586004	Personnel Training	1,935	877	6,000	6,000	0
464	Personnel Training	586022	Training RCRA	0	0	1,200	1,200	0
464	Other Professional Fees	588001	Professional Meetings	0	31	250	250	0
464	Other Professional Fees	588008	Certification Renewals	539	81	1,000	1,000	0
464	Other Professional Fees	588011	Committee Meetings	0	26	0	0	0
464	Other Professional Fees	588028	General And Misc Expense	139	0	0	0	0
464	Other Professional Fees	588039	Research Projects	61	0	0	0	0
464	Safety	594004	Safety General Safety Expense	742	31	2,000	2,000	0
Total . . . Regulatory Compliance				659,774	155,808	960,250	1,155,150	194,900

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
466	Labor Expense RT	521001	Labor Expense RT	22,823	0	0	0	0
466	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	0	0
466	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	0	0
466	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	0	0
466	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	0	0
466	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	0	0
466	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	0	0
466	Permits, Licenses and Fees	555014	Permits Lic MWRP NPDES Permit	0	36,899	50,000	75,000	25,000
466	Permits, Licenses and Fees	555016	Permits Lic PF RD Encroachment	0	6,984	7,000	8,000	1,000
466	Permits, Licenses and Fees	555019	Permits Lic Region 8 9 Dewater	0	15,081	14,000	16,000	2,000
466	Permits, Licenses and Fees	555022	Permits Lic SCAQMD	2,319	31,075	62,000	50,000	(12,000)
466	Permits, Licenses and Fees	555026	Permits Lic SWRCB SSO WDR	0	40,770	35,000	41,000	6,000
466	Permits, Licenses and Fees	555030	Permits Lic Wtr Rights	0	678	600	700	100
466	Rep & Maint IRWD	572049	Rep IRWD Emissions Srce Test	0	19,301	30,000	30,000	0
466	Rep & Maint IRWD	572151	Rep IRWD Wettraq	0	0	0	0	0
466	Engineering Fees	583011	Eng Fees EC Montring Second Rnd	0	0	1,000	1,000	0
466	Engineering Fees	583013	Eng Fees SAWPA Basin Montring Pgm	0	18,755	20,000	20,000	0
466	Engineering Fees	583014	Eng Fees SOCWA Salinity Mgmt Pgm	0	0	5,000	5,000	0
466	Engineering Fees	583016	Eng Fees SSMP 5 Year Pgm Update	0	0	0	0	0
466	Other Professional Fees	588039	Research Projects	3,055	532	0	0	0
Total . . . Environmental Projects				28,197	170,075	224,600	246,700	22,100



WASTEWATER OPERATIONS

OPERATING BUDGET SUMMARY

Program Description

WASTEWATER OPERATIONS AND MAINTENANCE ADMINISTRATION (510)

The Wastewater Operations Department provides cost-effective, reliable and compliant operation and maintenance of the District's two wastewater recycling treatment plants, the MWRP power generation facility, and the collection system. The Department also manages the FOG program for the District, provides mechanical and electrical services for all District facilities as well as maintenance, modifications and technical support for the District's water, sewer and recycled water systems to ensure optimal reliability, efficiency, ease of operation and life expectancy.

ELECTRICAL SERVICES (520)

The Electrical Services Department provides electrical maintenance for all District pumping systems, process equipment, control systems and facilities. The department provides timely and cost effective testing, repair, maintenance, modification and installation of electrical power distribution, motors and motor controls, as well as analytical and process instrumentation. Electrical Services utilizes a Computerized Maintenance Management System (CMM) which, along with predictive maintenance tools such as infrared thermal imaging, aid in the prioritizing and tracking of work flow. Electrical Services is also heavily invested in the safety function of the District. Staff is working with the Safety Office to provide up to date Electrical and Lockout/Tagout SWPs and writing and implementing Electrical Standard Operating Procedures (ESOPs). Staff constantly strives to stay on the cutting edge of regulatory and safety developments.

MECHANICAL SERVICES (540)

The Mechanical Services Department provides mechanical maintenance for all of the Districts pumping systems, stationary engines, and process equipment. This Department is managed utilizing preventive, predictive, and proactive maintenance within a computerized reliability based maintenance environment. Mechanical Services has the ability to overhaul, modify, and redesign all rotating equipment to fully optimize performance. This section also provides fabrication and machine shop services District wide to ensure efficient effective services are met in a timely fashion with close attention to detail. This high level of service assures satisfaction to our valued customers.

MWRP OPERATIONS (550)

The MWRP Operations Department provides for both the operation and mechanical repair and upkeep of an 18 MGD Tertiary Reclamation plant. This department has the expertise and experience to effectively and efficiently operate and maintain the treatment facility to meet reclaimed water distribution demands, while meeting all regulatory requirements.



WASTEWATER OPERATIONS

OPERATING BUDGET SUMMARY

COLLECTION SYSTEM (570)

The Collection System Department operates and maintains the sewer collection system in a safe, efficient, reliable and cost effective manner to prevent spills and interruptions in an environmentally safe manner with the highest customer satisfaction. The following are goals and objectives for the operation of the collection system;

LAWRP OPERATIONS (590)

The Los Alisos Water Reclamation Plant (LAWRP) provides for the treatment of sewer flows from Lake Forest and a portion of Mission Viejo. The LAWRP is rated to treat 7.5MGD of secondary effluent that can be discharged to an ocean outfall, or subsequently the capacities to treat demands of 5.5MGD for reclaim water to secondary users. The department's function is to provide the necessary resources to operate and maintain the facility's ability to treat wastewater cost effectively and meet all regulatory compliance.

Major Goals

SUPPORT SERVICES (510)

- Achieve 100% compliance with all NPDES permits.
- Provide administration support to the Wastewater Operations Department.
- Work with the Information Services Department to provide tools for 80% planned maintenance.
- Administer and coordinate departmental database systems (CMMS and SCADA).
- Manage the wastewater operations and plant operations for the District.
- Manage the IRWD FOG Program.
- Continue to investigate biosolids disposal/reuse options.
- Oversee the operations of the Electrical Services, Mechanical Services, Collection Systems, LAWRP and MWRP Operations Departments.

ELECTRICAL SERVICES (520)

- Complete the reorganization of the department into Electrical and Instrumentation sections.
- Support the MWRP Phase 2 expansion and Biosolids projects.
- Support the selection of the new Enterprise Asset Management Software.
- Support over twenty five Engineering projects such as the Baker Treatment Facility, Wells 21 and 22, and Manning Treatment to name a few.
- Provide improvements to OPA pumping facilities and infrastructure as required.
- Expand the infrared thermography program in-house to reduce costs and increase productivity.
- Modify stationary generators to accept quick-connect cable attachment to facilitate load testing and emergency generator connection.
- Improve the maintenance and troubleshooting of magnetic flow meters by using in-situ calibration verification and the VeriMaster software package.



WASTEWATER OPERATIONS

OPERATING BUDGET SUMMARY

- Begin an aggressive schedule of planned SCE outages to allow access for the cleaning and preventative maintenance of District pump stations.
- Send one technician to medium voltage (5kV) training.
- Send one technician to level II thermography training.
- Write Electrical Standard Operation Procedures (ESOPs) to standardize maintenance practices.
- Maintain all RMS, chloramination and analyzer/mixer installations
- Perform annual servicing of variable frequency drives (VFDs) and motor soft starters throughout the district.
- Perform annual servicing of generator automatic transfer switches (ATS) at facilities throughout the District.

MECHANICAL SERVICES (540)

- Continue to perform annual pump efficiency testing on all District equipment and analyze the data to evaluate pump system optimization.
- Continue to perform annual pump vibration analysis on all District equipment 100>Hp and analyze the data to evaluate pump system conditions.
- Continue to perform oil analysis on all rotating equipment to ensure optimum machine health.
- Perform annual servicing and load testing on all District stationary emergency generators.
- Complete the Sand Canyon Zone 1-3 pump/motor upgrades.
- Complete the pilot pump chopper pump installation at Michelson Lift Station.
- Continue to provide assistance to MWRP Operations concerning plant expansion and pump replacement.
- Continue to provide support for the Biosolids project.
- Continue to provide support for the Baker Plant/21-22 Desalter projects.
- Assist with the rehabilitation of Well 110.
- Provide engineering and field support for the re-drilling of wells 115 and OPA.
- Continue the scheduled pump overhaul program as directed by the use of reliability and performance measuring tools.
- Continue to assist with the selection of a new CMMS program to accommodate asset management and provide information for better maintenance analysis.
- Continue to maintain and improve all field chlorination and ammonia disinfecting system to ensure safety and reliability.
- Investigate and implement energy saving projects within the District.

MWRP OPERATIONS (550)

- Produce quality tertiary effluent to meet reclaimed water distribution requirements
- Minimize OCSD flows and CORF charges to consistently produce a minimum 18.0 MGD of reclaimed water
- Achieve 100% NPDES Permit Compliance
-



WASTEWATER OPERATIONS

OPERATING BUDGET SUMMARY

- Assist Engineering, HDR Inc. and Filanc Contractors with coordination of construction activities for the MWRP Phase 2 Expansion Project
- Assist Engineering and Black and Veatch with completion of design for the MWRP Energy Recovery and Biosolids Facility
- Initiate MWRP Phase 2 Expansion Permanent Floodwall and Floodgate inspections.
- Assist with the commissioning of MWRP Phase 2 Expansion (new) High Rate Clarifier (HRC)
- Assist with the commissioning of MWRP Phase 2 Expansion (new) Headwork's Facility
- Assist with the commissioning of MWRP Phase 2 Expansion (new) Primary Sedimentation Tanks
- Assist with the commissioning of MWRP Phase 2 Expansion (new) Membrane Bioreactors (MBRs) Facility
- Replace Filter Effluent Gates with Weir Plates
- Perform Recommended Service on Two (2) Aeration Blowers
- Perform Annual Tertiary Filter Surveillance Program
- Perform Annual Replenishment of Tertiary Filter Media
- Perform Annual Calibration of Effluent Flow Metering

COLLECTION SYSTEM (570)

- Maintain the collection system in an efficient and reliable manner to prevent problems for IRWD customers.
- Maintain the collection system to prevent any sewer system overflows (SSO) from occurring.
- Clean the entire collection system consisting of twenty-one inch pipelines and under on an annual basis.
- Identify sewer collection system reliability by identifying areas with an accumulation Fats, Oils and Grease (FOG) and mitigate.
- Maintain sewer collection system reliability by identifying areas with excessive root growth and mitigate.
- Monitor and inspect all lift stations within the collection system to ensure efficient and reliable operation.
- Monitor H₂S levels throughout the collection system to identify sources for mitigation, and to ensure efficient and effective H₂S control.
- Monitor sewer flows throughout the collection system to ensure sufficient capacity.
- Conduct CCTV inspections of at least 20% of all existing pipelines on an annual basis.
- Identify sewer collection system deficiencies using CCTV inspection equipment and schedule infrastructure repairs as needed.
- Provide our Engineering Department with timely and accurate CCTV inspections of all existing and newly constructed sewer pipelines.
- Identify areas within the collection system which require the application of vector control chemicals.
- Provide our employees with training necessary to fulfill the goals of IRWD succession planning program.
- Provide our employees a safe work environment and recognition for their contributions.

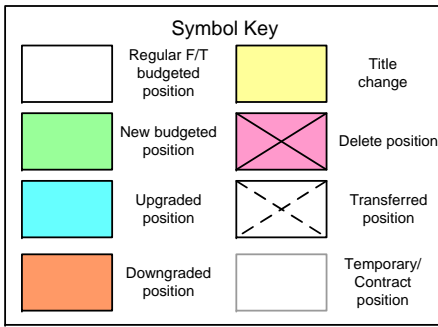


WASTEWATER OPERATIONS

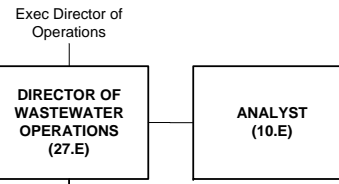
OPERATING BUDGET SUMMARY

LAWRP OPERATIONS (590)

- Achieve 100% NPDES permit compliance.
- Reduce energy costs.
- Emphasize employee safety awareness.
- Maintain consistent solids dewatering operations to reduce the current solids inventory within Pond-3.
- Develop a plan for removing the settled solids from Pond-5.
- Rehabilitate the overflow stand-pipe in the tertiary clarifier effluent distribution channel.
- Develop a plan for providing backup power to the Pond-5 and SOCWA pump stations in the event of an emergency.
- Retro-fit the Zone 'A' reclaim effluent pumps with a variable frequency drive.
- Upgrade LAWRP's employee break room.
- Rehabilitate or replace each of the 30-inch ground valve assemblies integral to the diversion piping at Ponds 3 & 4.



**IRVINE RANCH WATER DISTRICT
WASTEWATER OPERATIONS
PROPOSED FISCAL YEAR 2012-13**



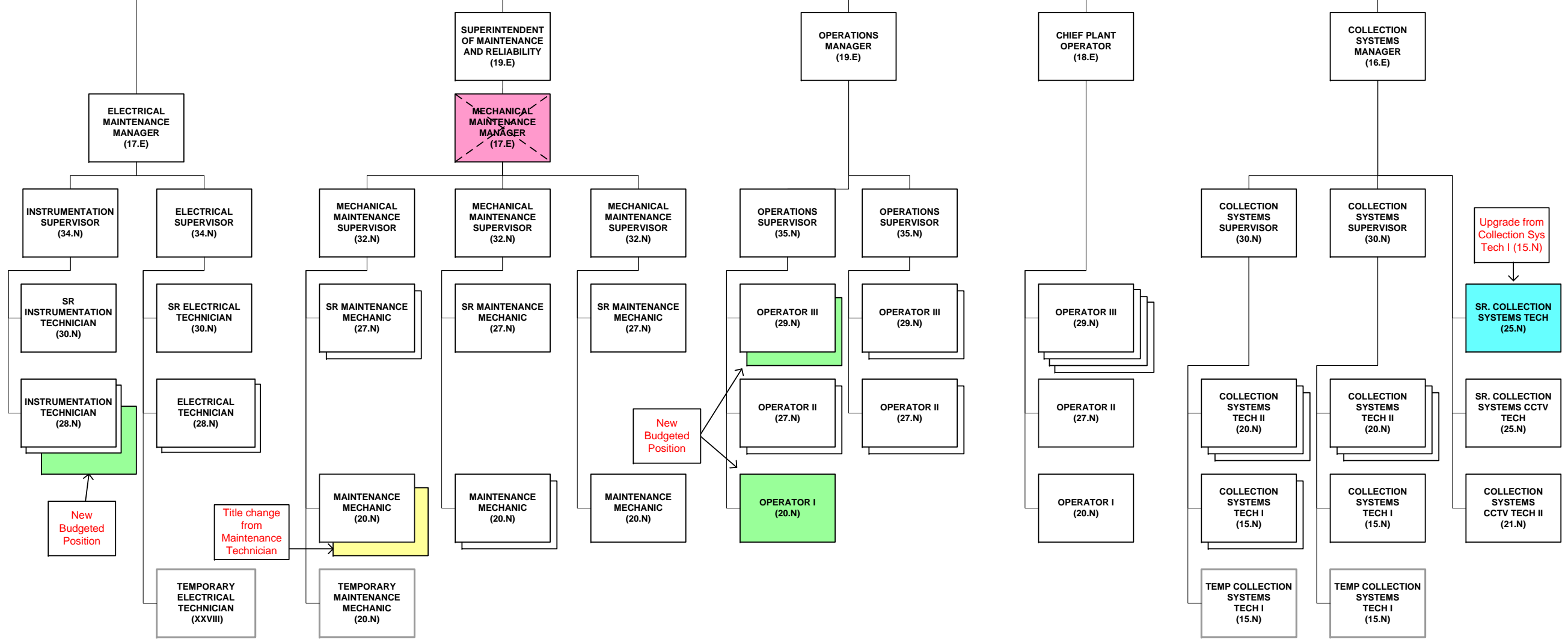
ELECTRICAL MAINTENANCE (520)

MECHANICAL MAINTENANCE (540)

MWRP OPERATIONS (550)

LOS ALISOS RECYCLING PLANT (590)

COLLECTION SYSTEMS (570)



Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
510	Labor Expense RT	148,386	0	248,501	259,100	10,599
510	Labor Expense OT	295	0	1,000	0	(1,000)
510	Employee Benefits	0	0	0	82,700	82,700
510	Temp & Contract Labor	5,108	542	2,500	2,000	(500)
510	Electrical Usage	2,220,030	948,469	2,294,400	2,501,100	206,700
510	Fuel	10,302	3,688	10,200	10,000	(200)
510	Telecommunication	1,259	600	1,400	1,400	0
510	Operating Supplies	450	0	500	500	0
510	Printing	0	0	2,000	2,000	0
510	Postage Services	76	0	0	0	0
510	Office Supplies	6,647	2,056	7,600	7,600	0
510	Rep & Maint Other Agencies	13,152,468	5,450,193	9,866,800	10,223,350	356,550
510	Rep & Maint IRWD	83,360	48,821	118,000	118,000	0
510	Personnel Training	3,760	3,701	5,500	5,500	0
510	Other Professional Fees	1,535	1,055	10,000	5,500	(4,500)
Total . . . Wastewater Operations and Maintenance Administr		15,633,676	6,459,127	12,568,401	13,218,750	650,349

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
510	Labor Expense RT	521001	Labor Expense RT	148,386	0	248,501	259,100	10,599
510	Labor Expense OT	522001	Labor Expense OT	295	0	1,000	0	(1,000)
510	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	7,100	7,100
510	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	3,500	3,500
510	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	6,800	6,800
510	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	41,700	41,700
510	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	23,100	23,100
510	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	500	500
510	Temp & Contract Labor	531001	Temp Contract Labor RT	5,108	542	2,500	2,000	(500)
510	Electrical Usage	541001	Electrical Usage	1,161,546	482,771	1,144,500	1,217,550	73,050
510	Electrical Usage	541002	Electrical Usage Oper Center	205,748	82,517	200,400	190,600	(9,800)
510	Electrical Usage	541004	Electricity Rcycld Pumping MWRP	852,735	383,181	927,400	949,550	22,150
510	Electrical Usage	541012	Electricity UV Disinfection	0	0	22,100	143,400	121,300
510	Fuel	542011	Fuel Natural Gas Generator	10,302	3,688	10,200	10,000	(200)
510	Telecommunication	543001	Telecommunication	918	459	1,000	1,000	0
510	Telecommunication	543004	Telephone SCE Paging Service	340	142	400	400	0
510	Operating Supplies	552038	Op Supl Warehouse inventory	49	0	500	500	0
510	Operating Supplies	552042	Op Supl Safety Supl PPE	401	0	0	0	0
510	Printing	553001	Printing	0	0	2,000	2,000	0
510	Postage Services	554001	Postage Services	76	0	0	0	0
510	Office Supplies	556001	Office Supplies	6,647	2,056	7,600	7,600	0
510	Rep & Maint Other Agencies	571007	Rep Maint OCSD Dir Op Req	825,741	501,302	827,700	902,600	74,900

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
510	Rep & Maint Other Agencies	571009	Rep Maint OCSD Sewage Treatment	1,273,536	767,714	1,508,700	1,594,600	85,900
510	Rep & Maint Other Agencies	571010	Rep Maint OCSD Solids Treatment	10,328,150	3,888,271	6,951,100	7,191,600	240,500
510	Rep & Maint Other Agencies	571011	Rep Maint OCSD Odor Cntrl Slds	315,592	172,275	344,550	344,550	0
510	Rep & Maint Other Agencies	571016	Rep Maint SMWD Chiquita Trtmnt	296,796	62,982	119,450	100,000	(19,450)
510	Rep & Maint Other Agencies	571021	Rep Maint TCWD El Toro Lift Sttn	112,653	57,650	115,300	90,000	(25,300)
510	Rep & Maint IRWD	572055	Rep IRWD FSE FOG GI Insp	83,360	48,821	80,000	118,000	38,000
510	Rep & Maint IRWD	572101	Rep IRWD OCHCA FSE BMP Inspctns	0	0	38,000	0	(38,000)
510	Personnel Training	586001	Personnel Conferences	1,038	100	0	0	0
510	Personnel Training	586002	Personnel Memberships	0	179	500	500	0
510	Personnel Training	586004	Personnel Training	2,723	3,422	5,000	5,000	0
510	Other Professional Fees	588001	Professional Meetings	1,298	66	9,500	5,000	(4,500)
510	Other Professional Fees	588008	Certification Renewals	223	70	500	500	0
510	Other Professional Fees	588028	General And Misc Expense	0	758	0	0	0
510	Other Professional Fees	588033	Meal Allowances	14	162	0	0	0
Total . . . Wastewater Operations and Maintenance Administration				15,633,676	6,459,127	12,568,401	13,218,750	650,349

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
520	Labor Expense RT	383,648	0	703,200	845,500	142,300
520	Labor Expense OT	69,158	15,841	69,000	74,000	5,000
520	Employee Benefits	0	0	0	267,300	267,300
520	Temp & Contract Labor	1,080	0	60,000	30,000	(30,000)
520	Operating Supplies	32,481	24,816	33,100	37,300	4,200
520	Permits, Licenses and Fees	89	0	0	0	0
520	Rep & Maint IRWD	470,066	240,647	418,800	436,000	17,200
520	Personnel Training	6,720	8,811	11,000	11,250	250
520	Other Professional Fees	1,377	663	1,800	1,900	100
520	Safety	8,403	3,401	8,000	8,000	0
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Total . . . Electrical Maintenance		973,022	294,179	1,304,900	1,711,250	406,350

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
520	Labor Expense RT	521001	Labor Expense RT	383,648	0	703,200	845,500	142,300
520	Labor Expense OT	522001	Labor Expense OT	69,158	15,841	69,000	74,000	5,000
520	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	22,900	22,900
520	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	11,300	11,300
520	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	21,900	21,900
520	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	135,200	135,200
520	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	74,700	74,700
520	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	1,300	1,300
520	Temp & Contract Labor	531001	Temp Contract Labor RT	1,080	0	60,000	30,000	(30,000)
520	Operating Supplies	552001	Operating Supplies	0	0	700	700	0
520	Operating Supplies	552007	Op Supl Electrical	5,669	8,546	7,100	12,600	5,500
520	Operating Supplies	552019	Op Supl Paints Oils And Lbrcants	14	0	0	0	0
520	Operating Supplies	552034	Op Supl Tools And Equipment	17,156	12,455	14,500	13,000	(1,500)
520	Operating Supplies	552038	Op Supl Warehouse inventory	8,835	3,789	10,800	11,000	200
520	Operating Supplies	552041	Op Supl Work Equip Supl	51	25	0	0	0
520	Operating Supplies	552042	Op Supl Safety Supl PPE	756	0	0	0	0
520	Permits, Licenses and Fees	555001	Permits Licenses And Fees	89	0	0	0	0
520	Rep & Maint IRWD	572001	Rep Maint IRWD	438,453	204,345	386,000	402,500	16,500
520	Rep & Maint IRWD	572100	Rep IRWD Natural Gas Generator	659	0	5,000	5,000	0
520	Rep & Maint IRWD	572102	Rep IRWD OCSD	3,489	0	0	0	0
520	Rep & Maint IRWD	572109	Rep IRWD Portable Gas Detection	18,453	18,180	21,800	22,500	700
520	Rep & Maint IRWD	572112	Rep IRWD Raw Wtr Syss	4,491	14,682	2,000	2,000	0

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
520	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	4,520	3,440	4,000	4,000	0
520	Personnel Training	586002	Personnel Memberships	792	396	500	750	250
520	Personnel Training	586004	Personnel Training	5,928	8,415	10,500	10,500	0
520	Other Professional Fees	588008	Certification Renewals	1,359	663	1,400	1,500	100
520	Other Professional Fees	588033	Meal Allowances	18	0	400	400	0
520	Safety	594005	Safety Apparel	8,403	3,401	8,000	8,000	0
Total . . . Electrical Maintenance				973,022	294,179	1,304,900	1,711,250	406,350

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
540	Labor Expense RT	428,526	0	747,298	999,400	252,102
540	Labor Expense OT	19,025	2,817	20,800	21,780	980
540	Employee Benefits	0	0	0	319,300	319,300
540	Temp & Contract Labor	49,633	14,515	84,000	84,000	0
540	Operating Supplies	51,458	20,155	52,800	52,800	0
540	Office Supplies	0	90	0	0	0
540	Rep & Maint IRWD	491,387	243,403	453,800	464,200	10,400
540	Personnel Training	12,764	1,990	12,000	12,000	0
540	Other Professional Fees	1,137	865	3,000	3,120	120
540	Safety	4,227	2,508	6,300	6,800	500
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Total . . . Mechanical Maintenance		1,058,157	286,343	1,379,998	1,963,400	583,402

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
540	Labor Expense RT	521001	Labor Expense RT	428,526	0	747,298	999,400	252,102
540	Labor Expense OT	522001	Labor Expense OT	19,025	2,817	20,800	21,780	980
540	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	27,600	27,600
540	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	13,300	13,300
540	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	26,200	26,200
540	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	161,500	161,500
540	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	89,000	89,000
540	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	1,700	1,700
540	Temp & Contract Labor	531001	Temp Contract Labor RT	48,644	13,701	84,000	79,000	(5,000)
540	Temp & Contract Labor	531006	Temp Ctr Labor Indirect Project	989	815	0	5,000	5,000
540	Operating Supplies	552001	Operating Supplies	690	0	1,600	1,600	0
540	Operating Supplies	552014	Op Supl Mechanical	7,077	4,446	14,200	14,200	0
540	Operating Supplies	552019	Op Supl Paints Oils And Lbrcants	25,251	10,192	18,500	18,500	0
540	Operating Supplies	552034	Op Supl Tools And Equipment	12,024	3,338	12,500	12,500	0
540	Operating Supplies	552038	Op Supl Warehouse inventory	5,553	2,168	6,000	6,000	0
540	Operating Supplies	552041	Op Supl Work Equip Supl	0	12	0	0	0
540	Operating Supplies	552042	Op Supl Safety Supl PPE	864	0	0	0	0
540	Office Supplies	556001	Office Supplies	0	90	0	0	0
540	Rep & Maint IRWD	572001	Rep Maint IRWD	465,702	222,535	428,100	437,200	9,100
540	Rep & Maint IRWD	572058	Rep IRWD Generating Power Plant	14,544	13,704	14,000	15,000	1,000
540	Rep & Maint IRWD	572071	Rep IRWD Irrigation Repairs	0	15	0	0	0
540	Rep & Maint IRWD	572100	Rep IRWD Natural Gas Generator	63	0	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
540	Rep & Maint IRWD	572102	Rep IRWD OCSD	0	0	500	500	0
540	Rep & Maint IRWD	572112	Rep IRWD Raw Wtr Syss	142	43	2,200	2,200	0
540	Rep & Maint IRWD	572113	Rep IRWD RepaiRepaterials	396	0	0	0	0
540	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	10,540	7,106	9,000	9,300	300
540	Personnel Training	586001	Personnel Conferences	50	0	0	0	0
540	Personnel Training	586002	Personnel Memberships	528	396	1,000	1,000	0
540	Personnel Training	586004	Personnel Training	12,185	1,516	11,000	11,000	0
540	Personnel Training	586008	Training CPR 1stAid Blood	0	78	0	0	0
540	Other Professional Fees	588001	Professional Meetings	55	0	0	0	0
540	Other Professional Fees	588008	Certification Renewals	836	824	3,000	3,000	0
540	Other Professional Fees	588028	General And Misc Expense	0	41	0	120	120
540	Other Professional Fees	588039	Research Projects	246	0	0	0	0
540	Safety	594003	Safety Expendable Equipment	0	17	0	0	0
540	Safety	594004	Safety General Safety Expense	0	33	0	0	0
540	Safety	594005	Safety Apparel	4,173	2,458	6,300	6,800	500
540	Safety	594006	Safety Equipment	54	0	0	0	0
Total . . . Mechanical Maintenance				1,058,157	286,343	1,379,998	1,963,400	583,402

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
550	Labor Expense RT	535,894	0	1,025,600	970,900	(54,700)
550	Labor Expense OT	84,175	30,430	92,000	92,000	0
550	Employee Benefits	0	0	0	309,700	309,700
550	Fuel	39,679	22,428	44,000	31,000	(13,000)
550	Chemicals	1,809,767	953,369	1,766,100	1,531,250	(234,850)
550	Operating Supplies	15,935	10,545	18,900	19,200	300
550	Equipment Rental	0	2,086	12,000	12,000	0
550	Rep & Maint Other Agencies	2,303	(175)	0	0	0
550	Rep & Maint IRWD	246,277	114,093	232,000	249,360	17,360
550	Personnel Training	4,985	4,329	8,000	10,800	2,800
550	Other Professional Fees	1,120	660	1,000	1,300	300
550	Safety	4,606	1,464	5,500	5,200	(300)
550	Other	206	0	35,000	63,000	28,000
Total . . . MWRP Operations		2,744,948	1,139,230	3,240,100	3,295,710	55,610

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
550	Labor Expense RT	521001	Labor Expense RT	535,894	0	1,025,600	970,900	(54,700)
550	Labor Expense OT	522001	Labor Expense OT	77,515	22,392	92,000	92,000	0
550	Labor Expense OT	522003	Labor Exp OT Indirect Project	6,660	8,038	0	0	0
550	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	26,800	26,800
550	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	13,000	13,000
550	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	25,200	25,200
550	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	156,700	156,700
550	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	86,400	86,400
550	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	1,600	1,600
550	Fuel	542010	Fuel Natural Gas FPS 2	39,679	22,428	44,000	31,000	(13,000)
550	Chemicals	551001	Chem Aluminum Sulfate	8,741	4,343	9,450	0	(9,450)
550	Chemicals	551006	Chem Chlorine	796,118	375,953	726,650	399,000	(327,650)
550	Chemicals	551009	Chem Clarifloc 210 P	4,186	4,600	4,850	4,800	(50)
550	Chemicals	551011	Chem Ferric Aluminum Hrc	0	0	122,850	105,300	(17,550)
550	Chemicals	551012	Chem Ferric Chloride	491,380	313,390	305,000	297,250	(7,750)
550	Chemicals	551017	Chem KOH PH Control	27,747	0	15,200	11,000	(4,200)
550	Chemicals	551018	Chem Magnesium Hydroxide	246,901	155,244	305,000	305,700	700
550	Chemicals	551020	Chem Methanol	202,284	98,634	203,750	205,400	1,650
550	Chemicals	551021	Chem Miscellaneous Chemicals	203	1,206	5,000	5,000	0
550	Chemicals	551024	Chem Polymer HRC	0	0	29,500	156,000	126,500
550	Chemicals	551025	Chem Primary Odor Control	7,509	0	38,850	8,000	(30,850)
550	Chemicals	551027	Chem Sodium Bisulfate	24,699	0	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
550	Chemicals	551034	Chem Citric Acid MBR	0	0	0	6,000	6,000
550	Chemicals	551035	Chem Citric Acid UV	0	0	0	8,700	8,700
550	Chemicals	551037	Chem Microsand HRC	0	0	0	7,800	7,800
550	Chemicals	551038	Chem Sodium Hypochlorite MBR	0	0	0	11,300	11,300
550	Operating Supplies	552001	Operating Supplies	5	0	0	0	0
550	Operating Supplies	552011	Op Supl Janitorial Supl	555	0	0	0	0
550	Operating Supplies	552034	Op Supl Tools And Equipment	7,373	7,631	12,600	12,800	200
550	Operating Supplies	552038	Op Supl Warehouse inventory	7,246	2,915	6,300	6,400	100
550	Operating Supplies	552039	Op Supl Warehouse Supl	0	0	0	0	0
550	Operating Supplies	552042	Op Supl Safety Supl PPE	756	0	0	0	0
550	Equipment Rental	562001	Equipment Rental	0	2,086	12,000	12,000	0
550	Rep & Maint Other Agencies	571009	Rep Maint OCSD Sewage Treatment	2,303	(175)	0	0	0
550	Rep & Maint IRWD	572001	Rep Maint IRWD	225,469	107,972	201,800	219,000	17,200
550	Rep & Maint IRWD	572003	Rep IRWD Equipment	250	0	0	0	0
550	Rep & Maint IRWD	572127	Rep IRWD Special Projects	15,419	865	20,000	20,000	0
550	Rep & Maint IRWD	572145	Warehouse Inventory	0	0	0	0	0
550	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	5,139	5,256	10,200	10,360	160
550	Personnel Training	586001	Personnel Conferences	126	2,697	0	0	0
550	Personnel Training	586002	Personnel Memberships	1,944	132	700	800	100
550	Personnel Training	586004	Personnel Training	2,915	1,500	7,300	10,000	2,700
550	Other Professional Fees	588008	Certification Renewals	1,120	586	1,000	1,300	300
550	Other Professional Fees	588033	Meal Allowances	0	74	0	0	0
550	Safety	594006	Safety Equipment	4,606	1,464	5,500	5,200	(300)

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
550	Other	595008	Other Grit Screenings Disposal	0	0	35,000	63,000	28,000
550	Other	595011	Other Security Hardware Auport	206	0	0	0	0
Total . . . MWRP Operations				2,744,948	1,139,230	3,240,100	3,295,710	55,610

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
570	Labor Expense RT	540,168	0	948,700	1,005,800	57,100
570	Labor Expense OT	105,331	51,946	115,000	103,960	(11,040)
570	Employee Benefits	0	0	0	320,700	320,700
570	Temp & Contract Labor	0	80	83,200	83,200	0
570	Electrical Usage	104,220	62,208	124,700	124,700	0
570	Telecommunication	16,039	4,078	16,800	16,800	0
570	Chemicals	313,898	174,695	307,100	350,000	42,900
570	Operating Supplies	47,217	27,103	50,000	44,000	(6,000)
570	Printing	0	54	0	0	0
570	Permits, Licenses and Fees	43,099	0	0	0	0
570	Rep & Maint Other Agencies	0	1,350	0	0	0
570	Rep & Maint IRWD	337,555	169,133	323,000	343,000	20,000
570	Personnel Training	1,448	1,030	9,000	7,500	(1,500)
570	Other Professional Fees	1,091	785	1,500	1,500	0
570	Safety	4,638	547	7,200	5,000	(2,200)
Total . . . Collection Systems						
		1,514,705	493,010	1,986,200	2,406,160	419,960

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
570	Labor Expense RT	521001	Labor Expense RT	540,168	0	948,700	1,005,800	57,100
570	Labor Expense OT	522001	Labor Expense OT	88,632	29,918	115,000	59,860	(55,140)
570	Labor Expense OT	522003	Labor Exp OT Indirect Project	16,699	22,028	0	44,100	44,100
570	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	27,600	27,600
570	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	13,600	13,600
570	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	26,100	26,100
570	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	162,300	162,300
570	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	89,600	89,600
570	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	1,500	1,500
570	Temp & Contract Labor	531001	Temp Contract Labor RT	0	0	83,200	83,200	0
570	Temp & Contract Labor	531009	Temp Ctr Labor Non-IRWD Payroll	0	80	0	0	0
570	Electrical Usage	541001	Electrical Usage	104,220	62,208	124,700	124,700	0
570	Telecommunication	543001	Telecommunication	16,039	4,078	16,800	16,800	0
570	Chemicals	551022	Chem Odor Control Chemicals	313,898	174,695	307,100	350,000	42,900
570	Operating Supplies	552034	Op Supl Tools And Equipment	5,771	5,361	9,000	9,000	0
570	Operating Supplies	552038	Op Supl Warehouse inventory	23,281	13,350	26,000	20,000	(6,000)
570	Operating Supplies	552041	Op Supl Work Equip Supl	16,886	8,392	15,000	15,000	0
570	Operating Supplies	552042	Op Supl Safety Supl PPE	1,279	0	0	0	0
570	Printing	553001	Printing	0	54	0	0	0
570	Permits, Licenses and Fees	555001	Permits Licenses And Fees	43,099	0	0	0	0
570	Rep & Maint Other Agencies	571009	Rep Maint OCSD Sewage Treatment	0	1,350	0	0	0
570	Rep & Maint IRWD	572001	Rep Maint IRWD	3,897	0	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
570	Rep & Maint IRWD	572054	Rep IRWD Flow Monitoring	46,517	18,182	50,000	50,000	0
570	Rep & Maint IRWD	572067	Rep IRWD Insect Control	17,588	1,684	19,000	18,000	(1,000)
570	Rep & Maint IRWD	572095	Rep IRWD Manhole Rpl Pgm	37,748	8,600	20,000	20,000	0
570	Rep & Maint IRWD	572113	Rep IRWD RepaiRepaterials	38,884	18,336	20,000	36,000	16,000
570	Rep & Maint IRWD	572121	Rep IRWD Root Control	63,380	0	75,000	65,000	(10,000)
570	Rep & Maint IRWD	572137	Rep IRWD Traffic Control	101,430	81,528	75,000	100,000	25,000
570	Rep & Maint IRWD	572140	Rep IRWD Trunk Swr Siphn Cling	34,268	44,465	60,000	50,000	(10,000)
570	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	3,244	1,040	4,000	4,000	0
570	Rep & Maint IRWD	572153	Rep IRWD Bison NB Calif Reimb	(9,400)	(4,700)	0	0	0
570	Personnel Training	586002	Personnel Memberships	1,056	952	1,500	1,500	0
570	Personnel Training	586004	Personnel Training	392	0	7,500	6,000	(1,500)
570	Personnel Training	586008	Training CPR 1stAid Blood	0	78	0	0	0
570	Other Professional Fees	588008	Certification Renewals	1,091	785	1,300	1,300	0
570	Other Professional Fees	588033	Meal Allowances	0	0	200	200	0
570	Safety	594006	Safety Equipment	4,638	547	7,200	5,000	(2,200)
Total . . . Collection Systems				1,514,705	493,010	1,986,200	2,406,160	419,960

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations						
590	Labor Expense RT	342,074	0	672,900	590,900	(82,000)
590	Labor Expense OT	54,919	23,300	53,000	46,820	(6,180)
590	Employee Benefits	0	0	0	187,300	187,300
590	Temp & Contract Labor	15,019	3,293	14,500	14,500	0
590	Electrical Usage	830,063	420,353	893,700	868,900	(24,800)
590	Fuel	1,064	241	1,000	1,000	0
590	Telecommunication	0	0	400	400	0
590	Chemicals	36,514	110,504	73,500	116,600	43,100
590	Operating Supplies	29,972	5,795	32,100	32,000	(100)
590	Permits, Licenses and Fees	0	85	0	0	0
590	Office Supplies	0	90	0	0	0
590	Rep & Maint Other Agencies	226,341	151,907	288,900	295,440	6,540
590	Rep & Maint IRWD	64,909	69,859	166,000	179,700	13,700
590	Personnel Training	132	196	4,300	4,300	0
590	Other Professional Fees	1,173	320	1,500	1,500	0
590	Safety	2,743	133	2,500	2,600	100
590	Other	193,365	23,112	190,500	188,880	(1,620)
Total . . . LAWRP Operations		1,798,288	809,186	2,394,800	2,530,840	136,040
Total . . . Operations		73,168,253	33,887,147	72,253,453	77,618,255	5,364,802

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Operations								
590	Labor Expense RT	521001	Labor Expense RT	342,074	0	672,900	590,900	(82,000)
590	Labor Expense OT	522001	Labor Expense OT	48,674	15,406	53,000	30,820	(22,180)
590	Labor Expense OT	522003	Labor Exp OT Indirect Project	6,245	7,895	0	16,000	16,000
590	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	16,000	16,000
590	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	7,900	7,900
590	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	15,200	15,200
590	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	94,800	94,800
590	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	52,400	52,400
590	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	1,000	1,000
590	Temp & Contract Labor	531001	Temp Contract Labor RT	14,901	3,143	14,500	14,500	0
590	Temp & Contract Labor	531006	Temp Ctr Labor Indirect Project	118	150	0	0	0
590	Electrical Usage	541001	Electrical Usage	671,301	356,038	795,550	787,800	(7,750)
590	Electrical Usage	541005	Electricity Rcycld Pumping LAWRP	158,762	64,314	0	0	0
590	Electrical Usage	541008	Electricity Zone A Effluent	0	0	14,250	29,600	15,350
590	Electrical Usage	541009	Electricity Zone B Effluent	0	0	12,300	11,300	(1,000)
590	Electrical Usage	541010	Electricity Effluent to LAWD	0	0	60,800	28,700	(32,100)
590	Electrical Usage	541011	Electricity Effluent to SOCWA Outfall	0	0	10,800	11,500	700
590	Fuel	542001	Fuel	1,064	0	1,000	1,000	0
590	Fuel	542009	Fuel Natural Gas	0	241	0	0	0
590	Telecommunication	543001	Telecommunication	0	0	400	400	0
590	Chemicals	551006	Chem Chlorine	3,600	0	10,950	15,000	4,050
590	Chemicals	551014	Chem Hydrofloc Coagulant	0	61,292	30,050	63,000	32,950

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
590	Chemicals	551015	Chem Hydrogen Peroxide	6,812	3,878	10,300	10,600	300
590	Chemicals	551016	Chem Hypochlorite	18,955	45,334	14,000	20,000	6,000
590	Chemicals	551023	Chem Polymer	7,148	0	8,200	8,000	(200)
590	Operating Supplies	552034	Op Supl Tools And Equipment	24,683	4,847	19,500	19,200	(300)
590	Operating Supplies	552038	Op Supl Warehouse inventory	4,407	947	12,600	12,800	200
590	Operating Supplies	552039	Op Supl Warehouse Supl	209	0	0	0	0
590	Operating Supplies	552042	Op Supl Safety Supl PPE	673	0	0	0	0
590	Permits, Licenses and Fees	555001	Permits Licenses And Fees	0	85	0	0	0
590	Office Supplies	556001	Office Supplies	0	90	0	0	0
590	Rep & Maint Other Agencies	571017	Rep Maint SOCWA IDP Brine	6,641	25,158	32,500	34,000	1,500
590	Rep & Maint Other Agencies	571018	Rep Maint SOCWA IDP SGU	34,008	16,426	30,800	32,800	2,000
590	Rep & Maint Other Agencies	571019	Rep Maint SOCWA Effluent	185,692	110,323	225,600	228,640	3,040
590	Rep & Maint IRWD	572001	Rep Maint IRWD	63,524	69,518	166,000	179,700	13,700
590	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	1,384	341	0	0	0
590	Personnel Training	586001	Personnel Conferences	0	86	0	0	0
590	Personnel Training	586002	Personnel Memberships	132	0	300	300	0
590	Personnel Training	586004	Personnel Training	0	110	4,000	4,000	0
590	Other Professional Fees	588008	Certification Renewals	1,173	320	1,500	1,500	0
590	Safety	594005	Safety Apparel	2,692	133	1,250	1,300	50
590	Safety	594006	Safety Equipment	51	0	1,250	1,300	50
590	Other	595003	Other Biosolids Disposal	193,365	23,112	190,500	188,880	(1,620)
Total . . . LAWRP Operations				1,798,288	809,186	2,394,800	2,530,840	136,040

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Total . . . Operations				73,168,253	33,887,147	72,253,453	77,618,255	5,364,802



WATER POLICY AND RESOURCES

OPERATING BUDGET SUMMARY

Program Description

The Water Policy and Resources Department is responsible for developing and implementing water resource supply and demand management programs to enhance the reliability of water supplies for District customers. The department is also responsible for managing the District's environmental compliance programs and regulatory requirements.

Water Use Efficiency: Demand management programs directly offset the need for developing additional water supplies and are critical elements in meeting the District's water resources/reliability objectives. IRWD has provided industry leadership through the development of innovative and aggressive demand management programs focusing on wastewater recycling and water use efficiency. Water Use Efficiency is aggressively implementing the six elements of the "Water Conservation Business Plan" during the current fiscal year. These efforts will continue during the 2011/12 fiscal year, with modifications implemented as necessary based on review of the effectiveness of the Plan. Budget requests associated with the Plan are included in various sections of the budget. Additional conservation efforts including development of an on-line water use efficiency training program, and participation in innovative pilots and research that maintain IRWD's leadership position are also incorporated into the 2011/12 fiscal year budget.

Recycled Water: IRWD is recognized as a national leader in recycled water based in large part on the many years IRWD of experience with recycled water and the number of meters served. IRWD currently serves almost 5,000 recycled water meters including over 45 commercial dual-plumbed buildings where recycled water is used for flushing toilets and urinals. The recycled water group continues to pursue additional uses for recycled water in the service area and is actively pursuing several additional industrial customers which represent large scale customers for IRWD. IRWD is also recognized for its support of recycled water through organizations such as WateReuse, a national recycled water advocacy group. IRWD, in concert with WateReuse, is active in state-wide policy, legislation, regulation and support for other agencies which face challenges as their programs are initiated or are being expanded.

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Government Relations: IRWD strives to develop and advocate for policies at the federal, state and local levels that promote a reliable high quality, and cost effective water supply for IRWD customers and demonstrates the efficient use of resources. These efforts enhance IRWD services through federal, state and local government relations and initiatives. The Government Relations staff provides policy leadership and technical expertise to the legislative process, particularly on issue of water recycling, water use efficiency, water supply reliability, and governance, among others.



WATER POLICY AND RESOURCES

OPERATING BUDGET SUMMARY

Strategic Initiatives for 2012-13

RECYCLED WATER

- Facilitate recycled water conversions.
- Work with Jazz Semiconductor and UCI Central Plant to determine the viability of converting some of their operations to recycled water.
- Research the potential for package plants to serve recycled water in selected locations in IRWD's service area.
- Review and inspect on-site recycled water installations.
- Implement on-going inspection and testing program to insure compliance with State and IRWD regulations.
- Develop a test protocol for dual-plumbed apartments and condominiums;
- Develop an On-line Site Supervisor Training Program. This program may be made available to other agencies throughout the State to help them with their Site Supervisor training objectives;
- Remain active with WaterReuse California and the Orange County Chapter of WaterReuse California;
- Take an active role in recycled water advocacy, policy, legislation and regulation.

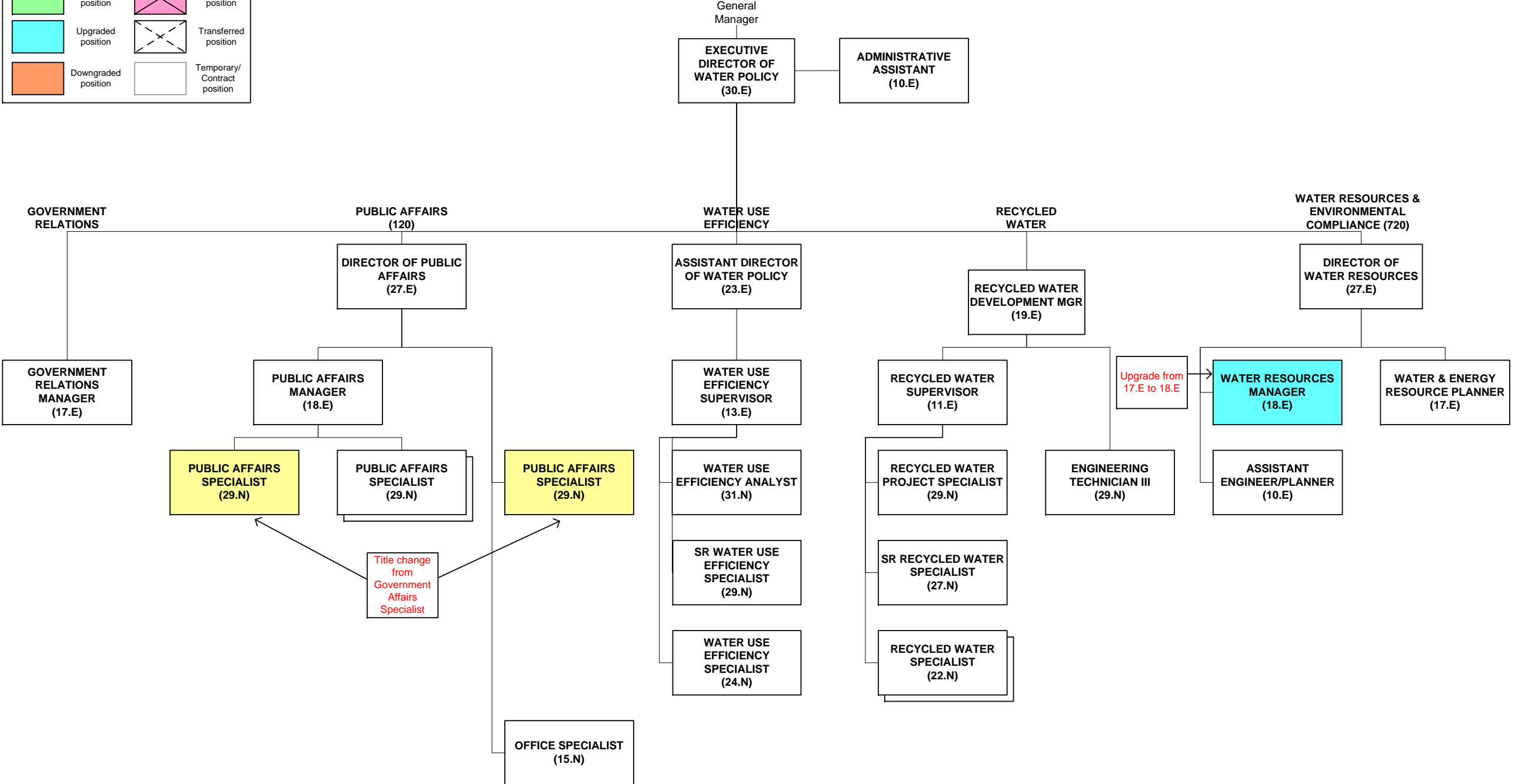
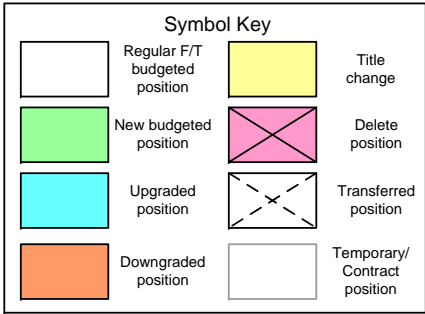
WATER USE EFFICIENCY

- Monitor the effectiveness of Water Conservation Business Plan elements. Update the Plan and implement program changes, as appropriate.
- Develop and implement an on-line water use efficiency training program.
- Continue customer support, review and analysis of IRWD's allocation-based tiered-rate structure.
- Participate in and implement innovative demand management pilot programs, studies, partnerships and research
- Continue implementation of regional water use efficiency programs, including weather-based irrigation controllers and residential turf replacement.
- Actively participate in local, regional and state conservation-related issues, including legislative and regulatory matters

GOVERNMENTAL RELATIONS

- Advise the General Manager and Board on legislation at the federal, state and local levels affecting IRWD customers.
- Advocate for state and federal funding of the Syphon Reservoir project and other water resources projects.
- Increase communication with local government officials and community leaders regarding District projects and policy priorities.
- Provide policy leadership and technical expertise to the legislative process, particularly on issue of water recycling, water use efficiency, water supply reliability, and governance, among others.

IRVINE RANCH WATER DISTRICT
 WATER RESOURCES AND POLICY
 PROPOSED FISCAL YEAR 2012-13



Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Water Resources and Policy						
710	Labor Expense RT	1,847,082	0	3,163,997	1,438,500	(1,725,497)
710	Labor Expense OT	8,784	1,895	16,000	6,400	(9,600)
710	Employee Benefits	0	0	0	458,600	458,600
710	Temp & Contract Labor	32,008	11,048	23,200	2,000	(21,200)
710	Operating Supplies	2,192	429	5,350	6,350	1,000
710	Printing	7,939	502	6,750	0	(6,750)
710	Postage Services	109	0	400	400	0
710	Permits, Licenses and Fees	29,293	90,041	1,000	10,000	9,000
710	Office Supplies	8,177	4,898	14,250	8,500	(5,750)
710	Rep & Maint IRWD	46,753	14,000	18,500	19,800	1,300
710	Engineering Fees	153,245	192,179	155,800	150,000	(5,800)
710	Personnel Training	19,459	19,621	44,000	68,100	24,100
710	Other Professional Fees	19,640	14,484	128,200	356,300	228,100
710	Mileage Reimbursement	40	91	0	0	0
710	Conservation	364,899	188,174	550,000	929,000	379,000
Total . . . Water Resources and Policy		2,539,621	537,363	4,127,447	3,453,950	(673,497)

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Water Resources and Policy								
710	Labor Expense RT	521001	Labor Expense RT	1,847,082	0	3,163,997	1,438,500	(1,725,497)
710	Labor Expense OT	522001	Labor Expense OT	8,784	1,895	16,000	6,400	(9,600)
710	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	39,500	39,500
710	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	19,400	19,400
710	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	37,400	37,400
710	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	231,600	231,600
710	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	128,100	128,100
710	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	2,600	2,600
710	Temp & Contract Labor	531001	Temp Contract Labor RT	31,859	10,728	10,000	2,000	(8,000)
710	Temp & Contract Labor	531004	Temp Ctr Labor Student Interns	0	0	13,200	0	(13,200)
710	Temp & Contract Labor	531006	Temp Ctr Labor Indirect Project	149	319	0	0	0
710	Operating Supplies	552001	Operating Supplies	205	86	1,500	1,500	0
710	Operating Supplies	552020	Op Supl Photographic Equip	0	0	250	250	0
710	Operating Supplies	552023	Op Supl Residential Workshops	547	62	600	1,900	1,300
710	Operating Supplies	552031	Op Supl Wtr Leak Detection Tblts	55	0	500	0	(500)
710	Operating Supplies	552038	Op Supl Warehouse inventory	1,385	271	500	700	200
710	Operating Supplies	552041	Op Supl Work Equip Supl	0	11	2,000	2,000	0
710	Printing	553001	Printing	3,955	302	0	0	0
710	Printing	553003	Printing Atlas And Constr Plans	252	0	1,000	0	(1,000)
710	Printing	553006	Printing Brochures	2,131	75	5,000	0	(5,000)
710	Printing	553022	Printing Print Ads	1,602	0	750	0	(750)
710	Printing	553025	Printing Scanning And Archiving	0	125	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
710	Postage Services	554001	Postage Services	109	0	400	400	0
710	Permits, Licenses and Fees	555001	Permits Licenses And Fees	5,214	12,284	0	0	0
710	Permits, Licenses and Fees	555010	Permits Lic Health Depart	9,275	0	1,000	10,000	9,000
710	Permits, Licenses and Fees	555029	Permits Lic Prop Tax Wtr Banking	14,804	55,526	0	0	0
710	Permits, Licenses and Fees	555030	Permits Lic Wtr Rights	0	22,230	0	0	0
710	Office Supplies	556001	Office Supplies	5,063	4,898	8,100	8,500	400
710	Office Supplies	556002	Office Supl CAD Supl	0	0	3,000	0	(3,000)
710	Office Supplies	556005	Office Supl GIS Supl	3,114	0	2,250	0	(2,250)
710	Office Supplies	556007	Office Supl Furniture And Equip	0	0	900	0	(900)
710	Rep & Maint IRWD	572016	Rep IRWD Sensor Calibration	2,395	0	4,000	4,000	0
710	Rep & Maint IRWD	572072	Rep IRWD Jackson Rnch Discing Mwing	0	0	0	0	0
710	Rep & Maint IRWD	572073	Rep IRWD Kern Wtr Bank Admin Fees	8,470	2,000	0	0	0
710	Rep & Maint IRWD	572130	Rep IRWD CVC Capacity Fixed Costs	22,011	0	0	0	0
710	Rep & Maint IRWD	572131	Rep IRWD Disking Mowing Spraying	0	0	0	0	0
710	Rep & Maint IRWD	572132	Rep IRWD Levee And Canal Maint	0	0	0	0	0
710	Rep & Maint IRWD	572146	Rep IRWD Whs Materials	29	0	0	0	0
710	Rep & Maint IRWD	572149	Rep IRWD Wthr Station Maint	6,242	0	12,000	13,300	1,300
710	Rep & Maint IRWD	572150	Rep IRWD Wthr Station Repl parts	7,605	4,500	2,500	2,500	0
710	Rep & Maint IRWD	572165	Rep IRWD DRWD Standby Charge	0	0	0	0	0
710	Rep & Maint IRWD	572166	Rep IRWD DRWD ID Charges	0	0	0	0	0
710	Rep & Maint IRWD	572167	Rep IRWD Stockdale Rnch Discing Mwing	0	0	0	0	0
710	Rep & Maint IRWD	572168	Rep IRWD DRWD Bene Assmt SWP Fixed	0	0	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
710	Rep & Maint IRWD	572169	Rep IRWD Strand Rnch KCWA Admin Fee	0	7,500	0	0	0
710	Engineering Fees	583001	Engineering Fees	22	0	5,800	0	(5,800)
710	Engineering Fees	583021	Eng Fees Wtrshd TMDL Pgm	121,317	188,333	150,000	150,000	0
710	Engineering Fees	583023	Eng Fees Outside Inspection	31,907	3,847	0	0	0
710	Personnel Training	586001	Personnel Conferences	11,883	10,649	18,000	41,100	23,100
710	Personnel Training	586002	Personnel Memberships	3,464	1,517	5,000	4,000	(1,000)
710	Personnel Training	586003	Training Publications	32	0	1,000	3,000	2,000
710	Personnel Training	586004	Personnel Training	1,732	2,100	10,000	10,000	0
710	Personnel Training	586010	Training CUWCC Dues	583	3,983	7,500	7,500	0
710	Personnel Training	586011	Training CUWCC Meetings	1,765	1,106	2,500	2,500	0
710	Personnel Training	586024	Training Srv And Retr Awd	0	267	0	0	0
710	Other Professional Fees	588001	Professional Meetings	5,351	1,564	11,500	11,500	0
710	Other Professional Fees	588008	Certification Renewals	476	195	1,000	1,000	0
710	Other Professional Fees	588009	CII Technical Assistance	6,400	3,332	25,000	25,000	0
710	Other Professional Fees	588014	Conservation Rsrch Pilot Studies	(6,025)	5,399	72,000	210,000	138,000
710	Other Professional Fees	588025	External Affairs	0	0	0	89,800	89,800
710	Other Professional Fees	588040	Residential Workshops	61	0	200	0	(200)
710	Other Professional Fees	588044	Sponsorships	3,675	0	0	0	0
710	Other Professional Fees	588046	Travel Expenses For Wtr Banking	0	0	0	0	0
710	Other Professional Fees	588048	Water Efficiency Meetings	211	994	500	1,000	500
710	Other Professional Fees	588050	Webpage Landscape Prfrmance Rprt	9,400	3,000	18,000	18,000	0
710	Other Professional Fees	588058	Demonstration Gardens	91	0	0	0	0
710	Mileage Reimbursement	591003	Mileage Reimbursement	40	91	0	0	0

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
710	Conservation	596001	Always Water Smart	14,550	38,974	100,000	379,000	279,000
710	Conservation	596002	Tactical Incentives	350,349	149,200	450,000	550,000	100,000
Total . . . Water Resources and Policy				2,539,621	537,363	4,127,447	3,453,950	(673,497)



PUBLIC AFFAIRS

OPERATING BUDGET SUMMARY

Program Description

The Public Affairs Department is responsible for communicating accurate and timely information about Irvine Ranch Water District services, projects, activities and programs. The department uses multiple media platforms, including print, personal contact, education programs, publications, tours, as well as electronic and social media outlets. The IRWD communication program serves the District and our customers by:

- creating and maintaining credibility and public trust
- increasing customer awareness of the services we provide
- promoting the District's value, activities and events of significance
- ensuring that accurate and timely information is conveyed to the public regarding incidents and issues of a controversial and/or sensitive nature
- promoting transparency and easy to access information

Strategic Initiatives for 2012-13

ALWAYS WATER SMART PROGRAM

- Promote and educate customers on efficient water use practices using multiple outreach platforms including resident tours of IRWD facilities, Always Business Smart practices and Always Water Smart University.
- Provide students in the IRWD service area with learning opportunities regarding water supply, water reliability and water use efficiency programs. Promote educational programs to schools in the IRWD service area.

COMMUNITY OUTREACH AND MEDIA PROGRAMS

- Refine, update and create effective multi-pronged social media outreach programs aimed at providing extended information channels for IRWD customers, the media, business partners, IRWD employees and other government entities.
- Enhance communications with customers through a targeted media outreach and public communications program including consistent and timely updates for construction and maintenance projects.
- Provide enhanced customer outreach for the IRWD CodeRed emergency notification system.

BUSINESS OUTREACH PROGRAM

- Develop strong working relationships with the business community by hosting a series of meetings for area businesses and those who are interested in working with IRWD. Meetings will feature IRWD facilities and projects, procurement/contract program and partnership opportunities as well as information on smart water practices.

EMPLOYEE COMMUNICATION PROGRAM

- Develop and maintain active employee communication programs. Develop an intranet site to facilitate information sharing, enhance collaboration and cut costs.

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Water Resources and Policy						
120	Labor Expense RT	0	0	0	646,100	646,100
120	Labor Expense OT	8,763	1,206	7,300	7,300	0
120	Employee Benefits	0	0	0	205,900	205,900
120	Temp & Contract Labor	3,511	0	0	85,000	85,000
120	Operating Supplies	2,887	581	2,100	2,100	0
120	Printing	64,490	34,321	95,850	120,850	25,000
120	Postage Services	132	302	0	200	200
120	Office Supplies	2,668	723	5,000	6,000	1,000
120	Personnel Training	18,115	21,620	22,600	20,750	(1,850)
120	Other Professional Fees	455,354	244,818	523,700	552,330	28,630
120	Mileage Reimbursement	0	192	0	0	0
Total . . . Public Affairs		555,919	303,764	656,550	1,646,530	989,980

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Water Resources and Policy								
120	Labor Expense RT	521001	Labor Expense RT	0	0	0	646,100	646,100
120	Labor Expense OT	522001	Labor Expense OT	8,763	1,206	7,300	7,300	0
120	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	17,800	17,800
120	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	8,800	8,800
120	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	16,700	16,700
120	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	104,000	104,000
120	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	57,500	57,500
120	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	1,100	1,100
120	Temp & Contract Labor	531001	Temp Contract Labor RT	3,511	0	0	85,000	85,000
120	Operating Supplies	552001	Operating Supplies	2,845	581	1,100	2,100	1,000
120	Operating Supplies	552029	Op Supl School Programs	0	0	1,000	0	(1,000)
120	Operating Supplies	552038	Op Supl Warehouse inventory	42	0	0	0	0
120	Printing	553001	Printing	778	4,727	3,000	0	(3,000)
120	Printing	553004	Printing Billing Inserts	30,454	12,244	49,000	0	(49,000)
120	Printing	553006	Printing Brochures	18,407	10,615	11,000	0	(11,000)
120	Printing	553008	Printing Copy Center	1,137	0	3,500	0	(3,500)
120	Printing	553009	Printing Cust Promotional Items	401	687	2,000	0	(2,000)
120	Printing	553011	Printing Educational Items	0	650	1,650	0	(1,650)
120	Printing	553017	Printing New Material Tours	0	0	500	0	(500)
120	Printing	553019	Printing Open House Materials	0	1,384	7,000	0	(7,000)
120	Printing	553021	Printing Photographic Services	1,490	4,748	200	0	(200)
120	Printing	553030	Printing Water Qlty Brochure	11,824	(734)	18,000	0	(18,000)

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Exp Name	Account No	Account Description	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
120	Printing	553032	Printing And Photography	0	0	0	120,850	120,850
120	Postage Services	554001	Postage Services	132	302	0	200	200
120	Office Supplies	556001	Office Supplies	79	0	0	0	0
120	Office Supplies	556008	Office Supl Misc Office Exp	2,588	723	5,000	6,000	1,000
120	Personnel Training	586001	Personnel Conferences	11,681	15,406	15,000	15,000	0
120	Personnel Training	586002	Personnel Memberships	577	1,305	1,100	1,100	0
120	Personnel Training	586003	Training Publications	2,690	3,632	2,900	1,500	(1,400)
120	Personnel Training	586004	Personnel Training	3,167	1,277	3,600	3,150	(450)
120	Other Professional Fees	588001	Professional Meetings	400	22	0	0	0
120	Other Professional Fees	588003	Advertisements	0	0	1,000	0	(1,000)
120	Other Professional Fees	588004	Always Wtr Smart Comm And Educ Prg	41,206	36,034	50,000	91,500	41,500
120	Other Professional Fees	588005	Awards	802	0	600	0	(600)
120	Other Professional Fees	588010	Classroom Educational Program	95,778	38,340	120,000	149,680	29,680
120	Other Professional Fees	588013	Community Programs	5,590	1,440	5,000	0	(5,000)
120	Other Professional Fees	588015	Consultants	59,225	25,000	10,000	85,000	75,000
120	Other Professional Fees	588018	Distribution Service	0	30	1,000	0	(1,000)
120	Other Professional Fees	588019	Electronic Communications	1,832	0	4,000	6,000	2,000
120	Other Professional Fees	588020	Educational Programs	520	730	10,000	0	(10,000)
120	Other Professional Fees	588025	External Affairs	126,589	80,245	186,800	0	(186,800)
120	Other Professional Fees	588034	Media Duplication And Awards	484	0	2,000	2,600	600
120	Other Professional Fees	588041	School Program	19	526	500	0	(500)
120	Other Professional Fees	588042	Special Events	3,416	3,673	3,000	0	(3,000)
120	Other Professional Fees	588043	Customer Outreach	4,592	20,269	18,000	70,000	52,000

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
120	Other Professional Fees	588044	Sponsorships	10,525	11,550	29,000	11,750	(17,250)
120	Other Professional Fees	588049	Web Site Maintenance And Upgrade	99,300	26,900	82,800	132,800	50,000
120	Other Professional Fees	588056	Video Production	795	59	0	0	0
120	Other Professional Fees	588057	Conservation Devices	4,282	0	0	0	0
120	Other Professional Fees	588059	Events and Meetings	0	0	0	3,000	3,000
120	Mileage Reimbursement	591003	Mileage Reimbursement	0	192	0	0	0
Total . . . Public Affairs				555,919	303,764	656,550	1,646,530	989,980



WATER RESOURCES AND ENVIRONMENTAL COMPLIANCE

OPERATING BUDGET SUMMARY

Program Description

The Water Resources and Environmental Compliance Department is responsible for the development of water supply programs and banking projects outside of the local Orange County area. These programs and projects are increasing the diversity and reliability of the District's water supplies by securing water supplies from sources outside of Orange County and storing them for future use in groundwater banking projects in Kern County. The District's efforts in the development of these non-local programs and projects are needed in response to risks of water supply interruptions and continued pressure on water supplies from an expanding statewide population as well as legislative requirements tying water supply with new development.

This department is responsible for the design and construction of the District's water banking projects. In addition, this department is responsible for the the negotiation and development of agreements with other agencies and entities throughout the State of California for water transfer and exchanges that facilitate the recharge, storage and recovery of water at the water banking projects. The department is also responsible for the negotiation and the development of agreements that facilitate the delivery of water recovered from the water banking projects to IRWD's service area through facilities owned by the California Department of Water Resources and Metropolitan Water District of Southern California.

Other responsibilities of the Water Resources and Environmental Compliance department include the management of the District's environmental and regulatory compliance programs and managing the energy and greenhouse gas master planning activities of the district. The environmental and regulatory compliance programs focus on the operation of potable water and wastewater systems operations and the construction of new facilities.

Strategic Initiatives for 2012-13

WATER RESOURCES

- Develop, execute and obtain Metropolitan Water District of Southern California's (MWD) consent for a Long-Term Exchange Agreement with Dudley Ridge Water District (DRWD) that will facilitate unbalanced exchanges from the Jackson Ranch to the Strand Ranch Integrated Banking Project (Strand Ranch Project);
- Develop and execute a Delivery Agreement between DRWD, California Department of Water Resources (DWR) and MWD for delivery of State Water Project (SWP) water from the Jackson Ranch to the Strand Ranch Project;
- Develop, execute and obtain MWD's consent for a Long-Term Exchange Agreements with Antelope Valley-East Kern Water Agency and the Central Coast Water Authority.



WATER RESOURCES AND ENVIRONMENTAL COMPLIANCE

OPERATING BUDGET SUMMARY

- Develop and gain approval of a template Wheeling Agreement between IRWD and MWD for exchange delivery of non-SWP water from the Strand Ranch Project to IRWD's service area and successfully wheel (through MWD) 1,000 AF of Kern River Water from the Strand Ranch to IRWD's service area;
- Develop and present to the Board an EIR for a Joint Stockdale West Ranch and Enos Property Water Banking and Exchange Project;
- Develop a Long-term Agreement with Rosedale for a Joint Stockdale West Ranch and Enos Property Water Banking and Exchange Project;
- Complete construction of the wellheads, pipelines and Cross Valley Canal turn-ins for the groundwater recovery facilities on the Strand Ranch Project;
- Complete a preliminary feasibility study and solicit proposals for of a utility scale solar project on the Jackson Ranch in Kings County;

ENVIRONMENTAL COMPLIANCE

- Complete EIR addenda for a product water pipeline and a non-reclaimable waste handling facilities for the Baker Treatment Plant Project;
- Complete an Environmental Impact Report for the MWRP Biosolids and Energy Recovery Facilities to process biosolids for MWRP and the Los Alisos Water Recycling Plant;
- Complete a Mitigated Negative Declaration for the SAMS 1 site and an Initial Study and CEQA Determination for NTS 62; and
- Support the District's environmental and regulatory compliance programs and activities.

Consolidated Operating Expense Budget for FY 2012-13

Dept No	Expense Name	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Water Resources and Policy						
720	Labor Expense RT	0	0	0	473,500	473,500
720	Employee Benefits	0	0	0	150,800	150,800
720	Electrical Usage	0	0	0	32,500	32,500
720	Permits, Licenses and Fees	14,804	63,026	0	75,200	75,200
720	Rep & Maint Other Agencies	0	0	0	15,000	15,000
720	Rep & Maint IRWD	30,482	2,000	223,300	228,900	5,600
720	Personnel Training	11,576	10,289	0	8,700	8,700
720	Other Professional Fees	5,754	1,698	3,000	5,720	2,720
Total . . . Water Resources		62,615	77,014	226,300	990,320	764,020
Total . . . Water Resources and Policy		3,158,156	918,140	5,010,297	6,090,800	1,080,503
GRAND TOTAL		99,709,800	44,095,394	107,484,650	111,105,975	3,621,325

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
Major Dept ... Water Resources and Policy								
720	Labor Expense RT	521001	Labor Expense RT	0	0	0	473,500	473,500
720	Employee Benefits	523002	Benefits 401A Employer Portion	0	0	0	13,100	13,100
720	Employee Benefits	523011	Benefits Medicare Tax	0	0	0	6,400	6,400
720	Employee Benefits	523012	Benefits PERS Employee Portion	0	0	0	12,200	12,200
720	Employee Benefits	523013	Benefits PERS Employer Portion	0	0	0	76,200	76,200
720	Employee Benefits	523014	Benefits PERS In Excess Of ARC	0	0	0	42,100	42,100
720	Employee Benefits	523018	Benefits St Unemployment Tax	0	0	0	800	800
720	Electrical Usage	541013	Electricity GW Recvry Exp for BVWD	0	0	0	32,500	32,500
720	Permits, Licenses and Fees	555029	Permits Lic Prop Tax Wtr Banking	14,804	55,526	0	0	0
720	Permits, Licenses and Fees	555032	Prop Tax Assoc with Water Banking	0	0	0	59,700	59,700
720	Permits, Licenses and Fees	555033	Prop Tax Assoc with Farming Solar	0	0	0	3,000	3,000
720	Permits, Licenses and Fees	555034	KCWA 3rd Party Agreemt Admin Fees	0	7,500	0	12,500	12,500
720	Rep & Maint Other Agencies	571024	Rep Maint Exch Recvry Exp for BVWD	0	0	0	15,000	15,000
720	Rep & Maint IRWD	572073	Rep IRWD Kern Wtr Bank Admin Fees	8,470	2,000	45,000	45,000	0
720	Rep & Maint IRWD	572130	Rep IRWD CVC Capacity Fixed Costs	22,011	0	7,000	10,000	3,000
720	Rep & Maint IRWD	572131	Rep IRWD Disking Mowing Spraying	0	0	31,000	29,400	(1,600)
720	Rep & Maint IRWD	572132	Rep IRWD Levee And Canal Maint	0	0	6,000	10,200	4,200
720	Rep & Maint IRWD	572165	Rep IRWD DRWD Standby Charge	0	0	14,000	14,000	0
720	Rep & Maint IRWD	572166	Rep IRWD DRWD ID Charges	0	0	300	300	0
720	Rep & Maint IRWD	572168	Rep IRWD DRWD Bene Assmt SWP Fixed	0	0	120,000	120,000	0
720	Personnel Training	586001	Personnel Conferences	7,399	6,672	0	4,700	4,700
720	Personnel Training	586002	Personnel Memberships	3,464	1,517	0	1,000	1,000

Consolidated Operating Expense Budget for FY 2012-13

<u>Dept No</u>	<u>Exp Name</u>	<u>Account No</u>	<u>Account Description</u>	2010-11 Actual	2011-12 Actual thru 12/31/11	2011-12 Orig Budget	2012-13 Prop Budget	Variance
720	Personnel Training	586004	Personnel Training	712	2,100	0	3,000	3,000
720	Other Professional Fees	588001	Professional Meetings	5,278	1,503	0	2,400	2,400
720	Other Professional Fees	588008	Certification Renewals	476	195	0	320	320
720	Other Professional Fees	588046	Travel Expenses For Wtr Banking	0	0	3,000	3,000	0
Total . . . Water Resources				62,615	77,014	226,300	990,320	764,020
Total . . . Water Resources and Policy				3,158,156	918,140	5,010,297	6,090,800	1,080,503
GRAND TOTAL				99,709,800	44,095,394	107,484,650	111,105,975	3,621,325



GENERAL PLANT

SUMMARY

	Fiscal Year 2011-12	Fiscal Year 2012-13	Increase (Decrease)	% Inc/(Dec)
Information Systems	\$ 227,425	\$ 754,000	\$ 526,575	231.54%
Transportation Equipment	379,500	590,000	210,500	55.47%
Tools, Shop and Work Equipment	-	-	-	-
Other General Plant Including Safety Equipment	75,000	29,450	(45,550)	-60.73%
Laboratory, Stores and Communication Equipment	46,000	211,620	165,620	360.04%
Office Furniture and Equipment	125,000	41,170	(83,830)	100.00%
Structures/Improvements - Sand Canyon/MWRP	-	13,000	13,000	-
Work Equipment/Class IV, V, VI	64,937	87,100	22,163	34.13%
Sub-Total	917,862	1,726,340	808,478	88.08%
Less: Vehicle Salvage Value	(16,000)	(26,800)	(10,800)	67.50%
Total General Plant	\$ 901,862	\$ 1,699,540	\$ 797,678	88.45%

Fiscal Year 2012-13

Funded by User Charges	\$1,154,350	67.92%
Funded by Capital Funds	545,190	32.08%

Total Fiscal Year 2012-13 **\$ 1,699,540**

Fiscal Year 2011-12

Funded by User Charges	\$ 552,900	61.31%
Funded by Capital Funds	348,962	38.69%

Total Fiscal Year 2011-12 **\$ 901,862**



GENERAL PLANT

ANALYSIS

Description	Administration	Finance & Administrative Services	Engineering & Planning	Operations	Water Policy	Total
Information Systems	\$ -	\$ 754,000	\$ -	\$ -	\$ -	\$ 754,000
Laboratory Equipment	-	-	-	211,620	-	211,620
Other General Plant	-	-	-	29,450	-	29,450
Office Furniture & Equipment	-	10,170	-	31,000	-	41,170
Work Equipment/Class IV, V, VI	-	-	-	87,100	-	87,100
Transportation Equipment	-	-	-	590,000	-	590,000
Structures/Improvements - Sand Canyon/MWRP	-	-	-	13,000	-	13,000
Subtotal	\$ -	\$ 764,170	\$ -	\$ 962,170	\$ -	\$ 1,726,340
Less Vehicle Salvage Value	-	-	-	(26,800)	-	(26,800)
Total Fiscal Year 2012-13	\$ -	\$ 764,170	\$ -	\$ 935,370	\$ -	\$ 1,699,540
Total Fiscal Year 2011-12	-	227,425	-	674,437	-	901,862
Increase/(Decrease)	\$ -	\$ 536,745	\$ -	\$ 260,933	\$ -	\$ 797,678

General Plant Description and Justification
Fiscal Year 2012-13 Operating Budget

General Plant Asset	Task	Life (Years)	Dept	Cost	Allocation				Asset Description	Justification
					Fund Source		System			
					New	Replace	% Water	%Sewer/ Recycle		
1 Machinery and Equipment	8031.710.1	5	220	\$10,170	100%		100%	10 Aquacue Barnacles, includes cost, one-time set-up, first year maintenance and access fee.	Aquacue Barnacles can easily be temporarily placed on a customer meter and then provide flow data by minute or other interval and then viewed using software by both IRWD staff and the individual customer. Data can be provided to both customer and to IRWD staff in order to view and identify probable sources of high use. Staff currently uses dataloggers also on an as-needed basis, but these are difficult to use, software is obsolete, reports are not accessible on real time basis and reports are difficult to interpret. Switching to Aquacues will enable staff to be more responsive to customers in managing their water use.	
2 Machinery and Equipment	8030.250.1	4	250	\$150,000		100%	50%	50%	Personal Computer Replacement	One-hundred twenty-five personal computers are needed to replace systems purchased between 2008-2009. This meets the District's replacement criteria of four years for personal computer systems. The systems are used in for accessing District applications.
3 Machinery and Equipment	8030.250.10	5	250	\$13,000	50%	50%	50%	50%	Additional Laboratory Information Management Systems (LIMS) Licenses	Additional licenses are needed for the District's Laboratory Information Management System. The current number of licenses do not meet the needs for access to the system. The additional licenses will provide the appropriate number for access to the system.
4 Machinery and Equipment	8030.250.2	4	250	\$40,000		100%	50%	50%	Laptop Computer Replacement	Twenty-five laptop computers are needed to replace systems purchased between 2008-2009. This meets the District's replacement criteria of four years for personal computer systems. The laptop computer systems are used in the field by Administration, Water Operations, Wastewater Operations, Water Quality, and Water Resources. The systems are used in the office for accessing District applications. In the field, the systems are used to collect data and access the District's SCADA Systems.

**General Plant Description and Justification
Fiscal Year 2012-13 Operating Budget**

	General Plant Asset	Task	Life (Years)	Dept	Cost	Allocation			Asset Description	Justification	
						Fund Source		System			
						New	Replace	% Water %Sewer/ Recycle			
5	Machinery and Equipment	8030.250.3	5	250	\$50,000	100%		50%	50%	Intranet Software and Implementation	Intranet software is needed to allow the District to develop web based portals for use by District employees to more effectively communicate, collaborate, and share information. The intranet software will integrate with the District's e-mail system, Network file storage, and Enterprise applications to provide a focal point for employees to access District information.
6	Machinery and Equipment	8030.250.4	5	250	\$40,000	100%		50%	50%	Agenda Management Software and Implementation	Agenda Management Software is needed to more effectively manage the District's Board and Committee Meeting Agenda preparation, publication, and distribution process. Agenda management software will allow the District to automate the manual processes currently in practice. This system utilizes cloud technology to automate workflows and help meet open government standards in a productive and cost effective manner.
7	Machinery and Equipment	8030.250.5	5	250	\$10,000	100%		50%	50%	Digital Media Management Software	Digital Media Management software is needed to organize and manage the District's digital photos, video, and presentations and improve employee access. The software will allow the District to automate the manual processes currently in practice and improve the efficiency of searching for photos and video for preparation of presentations.
8	Machinery and Equipment	8030.250.7	5	250	\$315,000		100%	50%	50%	SCADA Network Server and Storage Replacement	Replacements are needed for the District's Water SCADA Network Server systems purchased between 2007 and 2008 This meets the District's replacement criteria of five years for Network Server systems. These servers are used to support the Water SCADA system. the replacement systems will utilize blade based servers, a Storage Area Network (SAN) system, Solid State Drive (SSD) technology, and Server Virtualization that will consolidate multiple servers onto a single server blade.

General Plant Description and Justification
Fiscal Year 2012-13 Operating Budget

	General Plant Asset	Task	Life (Years)	Dept	Cost	Allocation				Asset Description	Justification
						Fund Source		System			
						New	Replace	% Water	%Sewer/ Recycle		
9	Machinery and Equipment	8030.250.8	5	250	\$35,000	50%	50%	50%	50%	SCADA Change Management Software	The District currently uses AutoSave change management software from MDT for control of changes for automation system files for PLCs, network devices, system design documents, etc. The use of this software has resulted in a great improvement in management of all aspects of the system. A new product from MDT will allow for use of AutoSave on the Wonderware Archestra portion of the District's SCADA system. "AutoSave for System Platform" provides change management for Archestra application objects including graphics, templates, instances and more. Full version history and revision details are available for all objects. In addition, the ability to compare two revisions, report differences and restore an older object version from AutoSave to the Wonderware Galaxy Repository is invaluable during the engineering development and maintenance phases of work on the District's system.
10	Machinery and Equipment	8030.250.9	5	250	\$101,000	50%	50%	50%	50%	Storage Area Network (SAN) Upgrade	Additional storage is needed to on the District's storage area network (SAN) system. The SAN supports the majority of the District's Enterprise applications, including Oracle, E-Mail, shared network files, Laboratory Information Management (LIMS), Tabware Work Orders, Geographical Information Systems (GIS), and Fleet Management. As the Oracle system is expanded and transactions are accumulated, additional storage is needed. Expanded E-mail and shared files also require additional storage. The storage requirement for these systems is doubled due to the High Availability system that stores a mirrored copy of the production data at a second location. This provides the District with a quick recovery from a server or storage failure.

General Plant Description and Justification

Fiscal Year 2012-13 Operating Budget

General Plant Asset	Task	Life (Years)	Dept	Cost	Allocation				Asset Description	Justification	
					Fund Source		System				
					New	Replace	% Water	%Sewer/ Recycle			
11	Machinery and Equipment	8036.415.1	10	415	\$2,900		100%	50%	50%	20 foot storage container. (R415)	The Natural Treatment Systems Department is requesting to purchase a storage container to facilitate storage of bird houses, signs, misc hand tools, fence posts, rubber boots, and related equipment used in the San Joaquin Marsh.
12	Machinery and Equipment	8036.415.2	10	415	\$8,000		100%	50%	50%	Refrigerated sampling unit. (R415)	The NTS Department is requesting funds to replace one refrigerated sampling unit. The refrigerated sampling unit, which serves the San Joaquin Marsh is older than ten years, is beyond repair, and requires replacement.
13	Machinery and Equipment	8031.430.1	5	430	\$6,100		100%	50%	50%	Pipe and cable locator, transmitter and receiver. (R425)	To replace and upgrade the existing Metrotech Line locator. The new Ridgid locator and transmitter will reduce labor expense by providing inductive and conductive tracing over a greater range of frequencies and with greater accuracy than existing district owned equipment.
14	Machinery and Equipment	8031	5	430	\$11,500	50%	50%	100%		1,800 feet of NSF certified potable water hose. (N425)	The Preventative Maintenance Department is requesting to purchase 1,800 feet of premium hose for use as bypass pipeline and delivery hose for potable water. This hose will enable crews to bypass sections of pipeline to facilitate repairs and maintenance without disruption of service.
15	Machinery and Equipment	8031	10	430	\$18,000		100%	50%	50%	Three steel trench shoring boxes. (R430)	The Construction and Repair Department is requesting to purchase three adjustable trench shoring boxes to replace existing District equipment. The existing trench boxes are worn due to use and exposure and no longer meet OSHA standards.
16	Machinery and Equipment	8036.435.2	10	435	\$1,100		100%	50%	50%	12" compound slide miter saw. (R435)	To replace Facilities' existing compound slide miter saw. The miter saw is being replaced due to age and condition.
17	Machinery and Equipment	8036.435.3	10	435	\$5,000		100%	50%	50%	10" Table saw. (R435)	To replace Facilities' existing 10-inch table saw. The table is twenty five years old and lacks current safety features.

**General Plant Description and Justification
Fiscal Year 2012-13 Operating Budget**

General Plant Asset	Task	Life (Years)	Dept	Cost	Allocation			Asset Description	Justification		
					Fund Source		System				
					New	Replace	% Water %Sewer/ Recycle				
18	Machinery and Equipment	8036.435.4	10	435	\$16,000		100%	100%	LAWRP Carpet. (R435)	The Facilities Services Department is requesting funds to replace the carpeting in the LAWRP Administration building. Carpet needs replacement due to age and condition.	
19	Machinery and Equipment	8038.435.1	20	435	\$18,500		100%	50%	50%	18,000 Lb vehicle Hoist. (R435)	To replace hoist # 2 in the fleet services shop. The hoist is a non-containment style in ground hoists. The hoist is more than 30 years old and has been removed from service due to leaks. Repair costs exceed the value of the hoist.
20	Structures & Improvements	8013.440.1	20	440	\$13,000		100%	50%	50%	ADA compliant retrofit door operator w/ pedestal remote switches. (N435)	The Facilities Services Department is requesting funds to install an ADA compliant door operator on the Headquarters board room entrance doors. The door operator is required to bring the building into compliance with the Americans with Disabilities Act.
21	Office Furniture	8021.440.2	5	440	\$8,000		100%	50%	50%	Re-upholstery of Headquarters lobby chairs. (R435)	The Facilities Services Department is requesting funds to re-upholster eight chairs in the Sand Canyon Lobby. The lobby furniture is scheduled for restoration due to normal wear and tear.
22	Vehicles	8052.450.1	7	450	\$11,500		100%		100%	2,360 GVW, 2WD, off-highway, utility vehicle. (R550)	The Fleet Services Department is requesting funds to replace unit 5283, a 1997 Taylor Dunn Utility Cart. Unit 5283 is being replaced due to age and condition.
23	Vehicles	8055.450.1	10	450	\$29,500		100%	50%	50%	5,250 GVW, extra cab, 2WD compact pickup truck. (R425)	The Fleet Services Department is requesting funds to replace unit 2020, a 2006 F-250 with 118,000 miles. Unit 2020 requires replacement due to age and condition.
24	Vehicles	8055.450.3	10	450	\$28,500		100%	50%	50%	5,250 GVW, extra cab, 2WD compact pickup truck. (R425)	The Fleet Services Department is requesting funds to replace unit 2110, a 2005 F250 with 103,000 miles. Unit 2110 requires replacement due to age and condition.
25	Vehicles	8055.450.4	10	450	\$31,500		100%	50%	50%	10,000 GVW, extra cab, 4WD, pickup truck. (R420)	The Fleet Services Department is requesting funds to replace unit 2009, a 2005 F250 with 102,000 miles. Unit 2009 requires replacement due to age and condition.

**General Plant Description and Justification
Fiscal Year 2012-13 Operating Budget**

	General Plant Asset	Task	Life (Years)	Dept	Cost	Allocation			Asset Description	Justification	
						Fund Source		System			
						New	Replace	% Water %Sewer/ Recycle			
26	Vehicles	8055.450.5	10	450	\$31,500		100%	50%	50%	10,000 GVW, extra cab, 4WD, pickup truck. (R425)	The Fleet Services Department is requesting funds to replace unit 2005, a 2005 F150 4WD with 107,000 miles. Unit 2005 requires replacement due to age and condition.
27	Vehicles	8055.450.6	10	450	\$34,500		100%	50%	50%	4,720 GVW, 4WD, hybrid, sport utility vehicle. (R300)	The Fleet Services Department is requesting funds to replace Engineering Pool's unit 1045, a 1997 GMC Yukon with 78,000 miles. Unit 2110 requires replacement due to age and condition.
28	Vehicles	8055.450.7	10	450	\$34,500		100%	50%	50%	4,720 GVW, 4WD, hybrid, sport utility vehicle. (R710)	The Fleet Services Department is requesting funds to replace Engineering pool unit 2045, a 1998 GMC Suburban with 65,000 miles. Unit 2045 requires replacement due to age and condition.
29	Vehicles	8055.450.8	10	450	\$48,500	100%		50%	50%	13,300 GVW, Std. cab, 2WD, DRW, w/utility bed, ladder rack, and mounted Autocrane. (N550)	The Fleet Services Department is requesting funds to purchase a new utility truck for use by MWRP Operations Department. The Wastewater Operations Department requires a truck to support the senior maintenance mechanic and the maintenance mechanic positions which were. These positions were added in a previous budget year and are now fully staffed. This additional staff has been supported by a loaner vehicle from the Fleet Services pool.
30	Vehicles	8056.450.1	15	450	\$165,000	100%		100%		1,500 gallon bulk sodium hypochlorite delivery truck (N420)	The Fleet Services Department is requesting funds to purchase a truck to transport sodium hypochlorite from bulk storage tanks at the Michelson and Los Alisos treatment plants to remote sites. A pilot program using a surplus truck fitted with intermodal bulk containers has been in effect for one year and has yielded a net cost savings of approximately \$300,000. The tanks and pumps placed on the surplus truck are near the end of their utility but have proven that in-house delivery of sodium hypochlorite to remote disinfection sites is both cost effective and efficient. A durable purpose built truck is necessary to continue the program.

**General Plant Description and Justification
Fiscal Year 2012-13 Operating Budget**

General Plant Asset	Task	Life (Years)	Dept	Cost	Allocation				Asset Description	Justification	
					Fund Source		System				
					New	Replace	% Water	%Sewer/ Recycle			
31	Vehicles	8060.450.1	15	450	\$175,000		100%	50%	50%	37,750 GVW, compressed natural gas, construction crew truck. (R430)	The Fleet Services Department is requesting the second half of funds to replace unit 3059, a 1993 construction crew truck.
32	Machinery and Equipment	8036.463.1	10	463	\$75,000	100%			100%	Laboratory instrumentation for future Biosolids and Energy Recovery Project.	One-third of the funds necessary to acquire one (1) gas chromatograph and one (1) gas chromatograph mass spectrometer needed to analyze the digester gas for the future biosolids and energy recovery facilities. Funds to be accrued in fiscal years ending 2013, 2014 and 2015 and carried forward for expenditure in FY ending 2015.
33	Machinery and Equipment	8036.463.2	10	463	\$94,800		100%	50%	50%	Existing Laboratory Equipment Replacement	This item is to accrue funds to normalize the cost associated with future replacements of the following major laboratory analytical instruments: five (5) gas chromatographs (\$60 - \$125k/each) and one (1) ion chromatograph w/liquid chromatography (\$210k).
34	Machinery and Equipment	8036.463.3	10	463	\$41,820	100%		50%	50%	Ultra High Purity Nitrogen Gas Generator	The laboratory currently utilizes high pressure cylinders (3,000 psi) to supply nitrogen gas to analytical instrumentation and other laboratory uses. This nitrogen generator will eliminate the potential safety hazards associated with staff handling and changing out the high pressure cylinders as they are depleted. The estimated payback for this purchase is six years.
35	Machinery, equipment	8031.464.1	5	464	\$11,500		100%	100%		All weather refrigerated composite sampler with controller, flow meter, and sensor	Of the District's 22 refrigerated composite samplers, used for regulatory monitoring of treatment plant processes, 11 are more than five years old. We plan to replace two of the very oldest this year and two more next year.
36	Machinery, equipment	8031.464.2	5	464	\$11,500		100%	100%		All weather refrigerated composite sampler with controller, flow meter, and sensor	Of the District's 22 refrigerated composite samplers, used for regulatory monitoring of treatment plant processes, 11 are more than five years old. We plan to replace two of the very oldest this year and two more next year.

**General Plant Description and Justification
Fiscal Year 2012-13 Operating Budget**

	General Plant Asset	Task	Life (Years)	Dept	Cost	Allocation			Asset Description	Justification	
						Fund Source		System			
						New	Replace	% Water %Sewer/ Recycle			
37	Machinery and Equipment	8031.520.1	5	520	\$10,200	100%		50%	50%	Fluke Ti32 Thermal Imager with telephoto and wide angle lens	As electrical Services expands its infrared thermography program, there is a need for a higher quality thermal imager. The Fluke Ti32 features higher resolution and field changeable battery packs. The imager also accepts telephoto and wide angle lens which will aid in producing quality images.
38	Machinery and Equipment	8031.520.1	5	520	\$14,250	100%		50%	50%	Druck Advanced Modular Calibrator with accessories	The Druck Calibrator is a portable, safe, highly accurate, documenting calibrator. It is HART communication compatible, allowing it to link to our smart transmitters and sensors. This calibrator will enable staff to test and calibrate all pressure and level instruments with one unit, due to its wide pressure range.
39	Machinery and Equipment	3520.540.1	15	540	\$5,000		100%	50%	50%	Stationary TIG/ARC Welder	Existing equipment requires replacement. VRD™ (Voltage Reduction Device™) provides an additional measure of safety, especially when working in an environment with a higher risk of electrical shock such as wet areas and hot, humid, sweaty conditions.
Sub-total					\$1,726,340						
Salvage Value					(\$26,800)						
Total General Plant					<u>\$1,699,540</u>						



LABOR

THREE YEAR PERSONNEL COMPARISON

Department	Authorized Positions ⁽¹⁾		
	2010-11	2011-12	2012-13
Administration			
Number of Positions	20.0	21.0	13.0 ⁽²⁾
% change from prior year	0.0 %	5.0 %	(38.1) %
Finance and Administrative Services			
Number of Positions	67.0	64.0	66.0
% change from prior year	1.5 %	(4.5) %	3.1 %
Engineering and Planning			
Number of Positions	35.0	33.0	40.0 ⁽³⁾
% change from prior year	0.0 %	(5.7) %	21.2 %
Operations			
Number of Positions	84.0	82.0	167.0
% change from prior year	1.2 %	(2.4) %	103.7 %
Wastewater Operations			
Number of Positions	54.5	56.0	0.0 ⁽⁴⁾
% change from prior year	2.8 %	2.8 %	(100.0) %
Water Quality and Environmental Compliance			
Number of Positions	25.0	25.0	0.0 ⁽⁴⁾
% change from prior year	0.0 %	0.0 %	(100.0) %
Water Policy			
Number of Positions	28.0	26.0	26.0
% change from prior year	3.7 %	(7.1) %	0.0 %
Total Number of Positions	<u>313.5</u>	<u>307.0</u>	<u>312.0</u>
Number of Changed Positions	(6.0)	(6.5)	5.0
% Change From Prior Year	<u>(1.9) %</u>	<u>(2.1) %</u>	<u>1.6 %</u>

- (1) In January 2012, many functional areas were reorganized. The subsequent footnotes provide more detail on the specific departmental shifts.
- (2) Public Affairs moved to Water Policy.
- (3) Planning was combined with Engineering.
- (4) Wastewater Operations and Water Quality are sub-departments within Operations.



LABOR

PROPOSED LABOR CHANGES

Proposed Personnel Budget Changes Reflected the FY2012/13 Operating Budget

Title and Salary Grade Changes for Existing Positions:

Public Affairs:

Government Affairs Specialist (Salary Grade 29.N) → Public Affairs Specialist (Salary Grade 29.N)
(Title change only – 2 positions)

These titles are being changed to more properly reflect the duties and responsibilities of these positions.

Finance:

Accountant (Salary Grade 27.N) → Senior Accountant (Salary Grade 11. E) (Upgrade - 1 position)

The upgrade of this position is needed to perform more sophisticated analysis and troubleshooting in the Oracle financial environment, particularly in the project accounting arena which accounts for about 50% of our annual expenditures.

Engineering & Planning:

Assistant Engineer/Planner (Salary Grade 10.E) → GIS Supervisor (Salary Grade 12.E) (Upgrade - 1 position)

This Assistant Engineer/Planner position was recently vacated by the incumbent providing an opportunity for the District to upgrade this position to a GIS Supervisor. The upgrade of this position will allow the District to retain a highly experienced candidate with GIS and supervisory skills. This will allow for higher level employees in the Planning group to participate and direct other more challenging projects.

Executive Secretary (Salary Grade 22.N) → Executive Assistant (Salary Grade 26.N) (Upgrade - 1 position)

The duties and responsibilities of this position have increased in quantity as well as in their level of expertise since the last reorganization. The incumbent currently processes the administrative support for more than 40 professional staff while directly supervising 4 interns and 2 full time temporary library staff. This upgrade is consistent with the requirements of this position and other similar positions within the District.

Right of Way Agent (Salary Grade 13.E) → Right of Way & Real Property Manager (Salary Grade 13.E)
(Title change only – 1 position)

This title change is requested to more properly reflect the duties and responsibilities of this position.

Electrical & Controls Project Manager (Salary Grade 16.E) → Automation Programmer (Salary Grade 13.E)
(Downgrade - 1 position)

The incumbent for the Electrical & Controls Project Manager recently vacated this position allowing the District to request a redirection of manpower to the growing needs in the Automation Group. With the addition of new facilities and automation systems, the redistribution of manpower for an Automation Programmer is needed to assist in the repair, maintenance, trouble shooting and implementation of these new systems.



LABOR

PROPOSED LABOR CHANGES

Engineering & Planning (continued):

Construction Inspector III (Salary Grade 31.N) → Construction Inspector II (Salary Grade 28.N)
(Downgrade – 1 position)

The incumbent in this position is under filling as a Construction Inspector II. A Construction Inspector III position is not required at this time and therefore this downgrade is being recommended.

Preventive Maintenance:

Metering Systems Technician III (Salary Grade 26.N) → Water Maintenance Technician III (Salary Grade 26.N) (Title change only – 1 position)

The Metering Systems Technician III position will be utilized as a Water Maintenance Technician III (both positions are at the same salary grade; title change only) in the Preventive Maintenance department to provide additional leadership support and supervision for the nine technicians working within that department.

Water Maintenance Technician II (Salary Grade 22.N) → Metering Systems Technician II (Salary Grade 22.N)
(Title change only – 1 position)

A Water Maintenance Technician II will be utilized as a Metering Systems Technician II (both positions are at the same salary grade; title change only) to provide additional support in the Meter Maintenance department.

Mechanical Maintenance:

Maintenance Technician (Salary Grade 20.N) → Maintenance Mechanic (Salary Grade 20.N)
(Title change only – 1 position)

The Maintenance Technician position has been used to fill a Maintenance Mechanic (both positions are at the same salary grade; title change only) position during this past year as this position was needed in the Mechanical Maintenance department needed to prepare for the implementation of the MWRP Phase 2 Expansion.

Collection Systems:

Collection Systems Technician I (Salary Grade 15.N) → Sr. Collection Systems Technician (Salary Grade 25.N)
(Upgrade 1 position)

The upgrade of this position is needed to handle the more complex duties required for compliance with new Statewide Waste Discharge Requirements (WDR). These new requirements specify that agencies achieve specific collection system maintenance goal objectives, including the control of odors. As a result, there is an increasing need for staff to monitor odor complaints; review odor complaint trends and patterns and ensure that corrective actions are taken; coordinate and accept odor control chemical deliveries; arrange wastewater and vapor samplings for sewage lift station, force mains, and trunk sewer mains; and evaluate new odor controls systems and technologies. Additionally, the position will be responsible for investigating and monitoring inflow and infiltration (I&I) into the collection system and other miscellaneous duties related to the FOG odor complaints.



LABOR

PROPOSED LABOR CHANGES

Water Resources:

Water Resources Manager (Salary Grade 17.E) → (Salary Grade 18.E) (Upgrade 1 Position)

The duties and responsibilities of this position have increased in complexity and in the level of expertise required. The incumbent serves as a project manager responsible for the completion of intricate aspects in the development of the water banking projects and is responsible for reviewing complex agreements for the delivery of water in and out of storage. The incumbent has fostered the respect of numerous agencies outside the District and provides training and guidance to other department employees with regards to the District's water banking program.

New Positions:

Customer Service:

Customer Service Field Technician (Salary Grade 16.N)

This position is being requested to transition a temporary position to a full-time regular position. Over the past four years, the number of field service orders has increased and is expected to continue into FY2012/13 with an estimated total of 27,000 orders. The number of customer service orders which include shut offs, start/stop service requests, re-reads, etc. has increased by 18% since 2008.

Information Systems:

Applications & Support Manager (Salary Grade 20.E)

The Oracle ERP system requires a higher level of skills to manage and maintain. This position will provide the critical management needed for managing Oracle and other applications and support functions. This position will also provide the District the opportunity to prepare for future succession planning needs. This position will act as the project manager for the Oracle Customer Care and Billing implementation project and will provide a strong base for trouble shooting and enhancements after implementation.

Engineering & Planning:

Automation Technician (Salary Grade 28.N)

This new entry level position is being requested to support the automation needs of the new water and wastewater facilities and to prepare for the potential retirement of two key employees in this area within the next few years. This will allow specific technical and tacit knowledge to be passed on to the incumbent in this new position.



LABOR

PROPOSED LABOR CHANGES

Water Quality :

Scientist (Salary Grade 26.N) (2 Positions)

These two new positions are required to handle increased analytical workload associated with new facilities (including extensive testing for the three IDP treatment plants per the DON Agreement) and expansion of the District's service area. The workload represents a long-term increase to the laboratory's base workload. The addition of these two positions will complete the process to transition the temporary staff responsible for providing assistance to complete this additional work to full time regular positions. The budget for temporary labor has been reduced to reflect this change; however, funds for two temporary staff beginning December 2012 are also requested for staffing necessary to cover the additional process control and regulatory analytical workload associated with the MWRP Phase 2 Expansion Project.

Operations:

Instrumentation Technician (Salary Grade 28.N)

This new entry level position is being requested to support the automation needs of the new water and wastewater facilities in the Electrical Maintenance department. The addition of this position will also allow the District to grow internal expertise and allow for specific technical and tacit knowledge to be passed on to the incumbent in this new position.

Operator I (Salary Grade 20.N) (1 position)

Operator III (Salary Grade 24.N) (1 position)

An additional Operator I and an Operator III are needed for MWRP Operations to meet the treatment plant's operational requirements associated with the MWRP Phase 2 Expansion Project that is scheduled to be completed by the end of 2012. The expansion project increases the plant capacity from 18 to 28 MGD and adds new processes that more than double the amount of existing process equipment. The new processes will require additional and more frequent chemical deliveries that are coordinated and supervised by MWRP Operations. Additionally, the operational complexities of the membrane bioreactor, high-rate clarifier and ultraviolet disinfection facilities will place a higher demand on existing staff. The consultant study for the Phase 2 Expansion Project provided a conservative estimate that seven to eight new full-time employees would be required to operate and maintain the new facilities. Two additional operator positions were added in the last two years in anticipation of these additional operational needs. The majority of the new processes for the treatment plant are scheduled for commissioning in 2012, so adding these positions on July 1st will ensure that this higher level of plant operational requirements can be met.



LABOR

PROPOSED LABOR CHANGES

Eliminated Positions:

Engineering & Planning:

Executive Secretary (Salary Grade 22.N)

The incumbent in this position retired during the current fiscal year and there is no need to fill this position.

Engineering Technician III (Salary Grade 29.N)

The incumbent in this position retired during the current fiscal year and there is no need to fill this position.

Mechanical Maintenance :

Mechanical Maintenance Manager (Salary Grade 17.E)

During the most recent re-organization, a Superintendent of Maintenance and Reliability (Salary Grade 19.E) was added to the Wastewater Operations department. The successful candidate for this position was holding the Mechanical Maintenance Manager position (Salary Grade 17.E) which can now be eliminated.



LABOR

SUMMARY OF SALARIES AND WAGES

	Total	Administration	Finance & Administrative Services	Engineering & Planning	Operations	Water Policy
Current Authorized:						
Gross Pay	\$24,598,100	\$1,287,700	\$4,950,500	\$4,045,000	\$12,367,600	\$2,509,200
Annual Increase	436,900	24,200	85,400	63,200	215,300	48,800
Sub-Total Regular Salaries & Wages	25,596,900	1,311,900	5,035,900	4,108,200	12,582,900	2,558,000
New Positions:						
Gross Pay	561,900	0	159,700	71,800	330,400	0
Total Regular Salaries & Wages	26,158,800	1,311,900	5,195,600	4,180,000	12,913,300	2,558,000
Direct Benefits	8,336,700	417,629	1,656,346	1,333,746	4,113,774	815,252
Total Regular Salaries & Wages and Direct Benefits	\$34,495,500	\$1,729,529	\$6,851,946	\$5,513,746	\$17,027,074	\$3,373,252
Employee Count:	312	13	66	40	167	26

Reconciliation of Labor Changes				
	Regular Time	Overtime	Temporary	Net Change
FY 2011-12 Labor Budget	24,740,300	990,100	1,189,400	
FY 2012-13 Labor Budget	26,158,800	804,920	911,300	
Difference	1,418,500	(185,180)	(278,100)	955,220
Changes				
Removed "Vacancy Factor"	784,800			
COLA Factor (1.2%)	235,400			
Promotional Allowance (0.5%)	87,200			
Additional Positions	561,900			
Subtotal	1,669,300			
Reduced Overtime	(185,200)			
Reduced Temporary Labor	(278,100)			
Eliminated Positions	(250,000)			
Net Change	956,000			

(1) Direct Benefits consist of the following:

- Medicare tax 1.45%.
- PERS Employee Portion - different factor for senior staff. For all others - assumes a 3% contribution until March 1, 2012, 2% thereafter.
- PERS Employer Portion - 16.1%.
- PERS in Excess of ARC - 8.9%.
- District 401A contribution - 2.75%
- State Unemployment Insurance tax - 0.18%.

Exhibit "C"



Selected Comparison of Current and Proposed Residential Rates

(in thousands)

Before Rate Adjustment:	Irvine Ranch		Los Alisos		Orange Park Acres	
	Potable	Wastewater	Potable	Wastewater	Potable	Wastewater
Current Residential Rates:	Water	Sewer/ Recycled Water	Water	Sewer/ Recycled Water	Water	Sewer/ Recycled Water
Commodity Rate	\$1.22	\$1.09	\$2.05	\$1.09	\$1.74	
Residential Service	\$8.75	\$16.90	\$9.60	\$16.90	\$16.50	\$2.08
Operations	\$7.65	\$11.90	\$8.50	\$11.90	\$16.15	
Replacements	\$0.60	\$4.50	\$0.60	\$4.50	\$0.60	
Enhancements	\$0.50	\$0.50	\$0.50	\$0.50	\$0.50	
Total Service Charge	<u>\$8.75</u>	<u>\$16.90</u>	<u>\$9.60</u>	<u>\$16.90</u>	<u>\$17.25</u>	
Commodity (18 ccf)	\$19.48		\$31.70		\$34.04	
Current Monthly	<u>\$45.13</u>		<u>\$58.20</u>		<u>\$51.29</u>	
Proposed Residential Rate Adjustment:						
Base Commodity Rate	\$1.24	\$1.11	\$2.14 ⁽¹⁾	\$1.11	\$1.76	\$2.10
Operations	\$7.80	\$11.90	\$8.10 ⁽¹⁾	\$11.90	\$16.30	
Replacements	\$0.80	\$4.65	\$0.80	\$4.65	\$0.80	
Enhancements	\$0.70	\$0.65	\$0.70	\$0.65	\$0.70	
Total Service Charge	<u>\$9.30</u>	<u>\$17.20</u>	<u>\$9.60</u>	<u>\$17.20</u>	<u>\$17.80</u>	
Commodity	<u>\$19.68</u>		<u>\$32.60</u>		<u>\$34.40</u>	
Proposed Monthly	\$46.18		\$59.40		\$52.20	
Current Monthly	\$45.13		\$58.20		\$51.29	
Difference	\$1.05		\$1.20		\$0.91	
Change %	2.3%		2.1%		1.8%	

⁽¹⁾ The larger meter service charge in the Los Alisos rate area are much lower than equivalent meters in the Irvine Ranch rate area. In anticipation of establishing a uniform rate, the larger meters are being increased by a greater percentage. Meters larger than 1" will have a service charge increase of 19.5%.

IRVINE RANCH RATE AREA – RESIDENTIAL CUSTOMER

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

Background

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

Proposed Changes

IRWD is proposing a water rate increase of \$0.02 per ccf (one hundred cubic feet of water, or 748 gallons) to the base rate in the Irvine Ranch rate area, and **proposes no change to the existing low volume rate**. The \$0.02 increase would change the current base commodity charge for water from \$1.22 to \$1.24 per ccf, which is still one of the lowest water rates in Orange County. This change is largely due to an average 7% increase in the cost of imported water purchased from the Metropolitan Water District of Southern California (MWD) through our regional water wholesaler, the Municipal Water District of Orange County (MWDOC) and a 5% increase in the cost of groundwater from the Orange County Water District..

The fixed water service charge is proposed to increase \$0.55 from \$8.75 to \$9.30 for the average size residential water meter. Of the proposed \$0.55 increase, \$0.40 is for planned increases to infrastructure replacement costs discussed below. The sewer rate is proposed to increase from \$16.90 to \$17.20 per month. **The total cost of all water and sewer rate increases would be an average of \$1.05 per month for the typical residential customer.**

Included in the monthly service charges to the average residential customer are \$1.50 per month for water infrastructure replacements and enhancements, and \$5.30 per month for sewer infrastructure replacements and enhancements. IRWD includes this funding source for capital replacement and enhancements as part of its long-term planning approach. By planning for the future and setting aside monies now to pay for the inevitable repair and the replacement of infrastructure such as pipes, pumping stations and treatment facilities, the District can avoid massive one-time increases to its customer rates and charges in the future.

How are Water Allocations Determined with an Allocation-Based Conservation Rate Structure?

IRWD customer bills are calculated using an allocation-based conservation rate structure uses property-specific water budgets and tiered pricing to provide customers with an economic incentive to encourage efficient water use. Under IRWD's allocation-based conservation rate structure, each customer receives a basic allocation of water that allows for a reasonable amount of water for the customer's needs. Water bills are calculated based upon how much water is used and whether customers stayed within their allocation. If a customer uses more water than their allocation, the water used that month is billed at increasingly higher tiers. Revenue generated by these higher billing tiers is applied to expenses associated with IRWD having to purchase additional imported water (the most expensive type of water for IRWD), urban runoff programs, and water conservation programs.

IRWD's water use allocations take into consideration both indoor and outdoor water use. Allocations are based on the number of residents in the home, the type of home (detached home, attached home or apartment), landscape square footage and actual daily weather and associated evapotranspiration (ET) data. ET is the amount of water that is lost by plants through evaporation and transpiration, and which needs to be replaced for the plants to remain healthy. Grass is the highest water-using plant in a landscape. Trees and shrubs use far less water than grass – but IRWD's allocation assumes that almost your entire landscape is covered with grass.

Your allocation will provide more than enough water to meet the demands of your landscaping. The base allocation formula assumes the following:

Attached home (i.e. condominium or townhouse): 3 people with 435 square feet of landscaping

Apartment: 2 people with no landscaping

Detached home (single family home): 4 people with 1300 square feet of landscaping

Variances are available to make adjustments to the allocation for more people living in the home, medical needs or other special circumstances.

Proposed IRWD Residential Water and Sewer Rates*

Component	Current Rates	Proposed Rates
Water commodity charges – actual water consumption		
Low Volume (0 – 40% of allocation)	\$0.91 /ccf	\$0.91 /ccf
Base Rate (41 – 100% of allocation)	\$1.22/ccf	\$1.24/ccf
Inefficient (101 – 150% of allocation)	\$2.50/ccf	\$2.76/ccf
Excessive (151 – 200% of allocation)	\$4.32/ccf	\$4.70/ccf
Wasteful (Over 200% of allocation)	\$9.48/ccf	\$9.84/ccf
Water service charge – the fixed monthly charge based on meter size for the operation and maintenance of the water system		
Residential detached/attached/apartments		
Up to a one-inch meter	\$8.75/meter	\$9.30/meter
1 ½” disc meter	\$20.60/meter	\$21.90/meter
2” disc meter	\$28.20/meter	\$30.00/meter
Master meter (shared meter) rates for residential apartments and condominiums, 5/8” or ¾” meter**	\$8.75/meter	\$9.30 /meter
Sewer service charge (Single family dwelling units)	\$16.90/month	\$17.20/month
Sewer service charge (Multi-family dwelling units, per unit)	\$12.70/month	\$12.95/month
Pumping surcharges by zone***	\$0.16 to \$0.42/ccf	\$0.16 to \$0.42/ccf (No change)
One-time setup fee for new accounts	\$15	\$15 (No change)
Fees for Reconnection to the System in the event of Shutoff	\$70.00 - \$95.00	\$70.00 - \$95.00 (No change)

* The proposed rates will become effective and operative for all bills sent starting on July 1, 2012.

**For meters one-inch and larger, IRWD applies a graduated schedule of charges on a per-meter basis, ranging from \$18.35 per month for a 1-inch meter to \$3117.50 for a 16-inch, 18-inch or 20-inch propeller-type meter. The current amount for your meter size appears on your bill.

***A surcharge is 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 on prevailing energy costs and varies depending upon the elevation of the area served. If you live in an area affected by a pumping surcharge, it is itemized on your monthly bill.

For the average residential customer using 18 ccf of water, the total proposed rates will translate into an increase of \$1.05 per month. Most customers in IRWD use less than 18 ccf per month.

AUTOMATIC PASS-THROUGH ADJUSTMENTS: In calculating the proposed rate increases, IRWD has used its best available information on projected increases in the cost of imported water IRWD purchases from MWD through MWDOC, the replenishment charges paid by IRWD to Orange County Water District (OCWD) for pumping groundwater, and the cost for regional treatment of sewage paid by IRWD to the Orange County Sanitation District (OCS). However, IRWD has no control over the amounts set by MWD, MWDOC, OCWD and OCS (the “Regional Agencies”), and must pass those costs through to IRWD’s customers. While not anticipated at this time, should any of the Regional Agencies adopt an additional increase (or decrease) in its charges (“Pass-Through Amount”), IRWD will automatically recalculate its rates to include the Pass-Through Amount. If this occurs, the automatic IRWD rate adjustment will not require a public hearing or any additional action by the IRWD Board of Directors. At least 30 days before the effective date of the adjustment, IRWD will provide its customers with the expected adjustment(s), which will generally be calculated as the total projected cost increase divided by the projected annual water consumption or annual total sewage flow as appropriate. This calculation will vary as necessary to reflect IRWD’s different service areas and service classes.

An “Allocation-Based Conservation Rate Calculator” is available on the IRWD website (www.irwd.com) to show customers how staying within or exceeding your allocation will affect your monthly bill. Provide your account number from a recent bill and your bill can be recalculated using the new rates. Customers who use water wisely and within their allocation will be rewarded with some of the lowest rates in Orange County.

Any customers or property owners within the IRWD service area may file a written protest with IRWD by sending a letter to IRWD, P.O. Box 5149, Irvine, CA 92616. A valid protest letter must include your name, the address at which you receive service from IRWD, a statement of protest and your original signature. Protest letters received by June 22 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 25, 2012 at 5 p.m. in the IRWD Board Room, 15600 Sand Canyon Ave., Irvine, CA. Any customers or property owners may appear at the hearing to make comments regarding the proposed rates. Letters must be received prior to the conclusion of the June 25 public hearing.

IRVINE RANCH RATE AREA –COMMERCIAL CUSTOMER



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

Background

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

Proposed Changes

For commercial, industrial and institutional customers, IRWD is proposing a potable water rate increase of \$0.02 per ccf (one hundred cubic feet of water, or 748 gallons). This would change the current base commodity charge for potable water from \$1.22 to \$1.24 per ccf, which is still one of the lowest water rates in Orange County. This change is largely due to a melded of 5% increase in the cost of imported water purchased from the Metropolitan Water District of Southern California (MWD) through our regional water wholesaler, the Municipal Water District of Orange County and a 5% increase in the cost of groundwater from the Orange County Water District.

The base commodity rate for recycled water used for commercial and industrial purposes is proposed to increase from \$0.74 to \$0.76 per ccf. The fixed monthly water service charge is proposed to increase from \$8.75 to \$9.30 for a 5/8" or 3/4" disc water meter. Of the proposed \$0.55 increase, \$0.40 is for planned increases to infrastructure replacement costs discussed below. See chart below and on reverse for the proposed fixed water service charge for other meter sizes.

The sewer service charge is proposed to increase from \$16.90 to \$17.20 per month for Non-Residential Class II customers whose water consumption is not in excess of 10 ccf per month, along with an increase in the sewer quantity charge from \$1.94/ccf to \$1.94/ccf of water used. For commercial, industrial and institutional users whose water consumption exceeds 10 ccf per month, the sewer service charge is proposed to increase from \$18.62 to \$18.62 per month, plus a combined quantity and commodity charge of \$2.093/ccf. No changes are proposed for private fire protection service or monthly fire hydrant charges.

Included in the monthly service charges to the average customer are \$1.50 per month for water infrastructure replacements and enhancements, and \$5.30 per month for sewer infrastructure replacements and enhancements. IRWD includes this funding source for capital replacement and enhancements as part of its long-term planning approach. By planning for the future and setting aside monies now to pay for the inevitable repair and the replacement of infrastructure such as pipes, pumping stations and treatment facilities, the District can avoid massive one-time increases to its customer rates and charges in the future.

Proposed IRWD Commercial, Industrial and Institutional Water and Sewer Rates*

Component	Current Rate	Proposed Rate
Potable water commodity charges – actual water consumption		
Base Rate (0 – 100% of allocation)	\$1.22/ccf	\$1.24/ccf
Inefficient (100-110% of allocation)	\$2.50/ccf	\$2.76/ccf
Excessive (111-120% of allocation)	\$4.32/ccf	\$4.70/ccf
Wasteful (121+% of allocation)	\$9.30/ccf	\$9.84/ccf
Recycled water commodity charges - actual water consumption		
Base Rate (0 – 100% of allocation)	\$0.74/ccf	\$0.76/ccf
Inefficient (100-110% of allocation)	\$1.51/ccf	\$1.67/ccf
Excessive (111-120% of allocation)	\$2.59/ccf	\$2.82/ccf
Wasteful (121+% of allocation)	\$5.69/ccf	\$5.91/ccf
Recycled water loan commodity charges – actual water consumption		
Base Rate* (0-100% of allocation)	\$1.22/ccf	\$1.24/ccf
Inefficient (100-110% of allocation)	\$2.50/ccf	\$2.76/ccf
Excessive (111-120% of allocation)	\$4.32/ccf	\$4.70/ccf
Wasteful (121+% of allocation)	\$9.48/ccf	\$9.84/ccf

Component	Current Rate	Proposed Rate
Water service charge (fixed monthly cost based on meter size)		
5/8" or 3/4" disc	\$8.75/meter	\$9.30/meter
1" disc	\$17.28/meter	\$18.35/meter
1 1/2" disc	\$47.85/meter	\$50.85/meter
2" disc	\$78.75/meter	\$83.70/meter
3" compound	\$187.74/meter	\$199.55/meter
4" compound	\$304.01/meter	\$323.10/meter
6" compound	\$488.03/meter	\$518.70/meter
8" compound	\$1,089.65/meter	\$1,158.15/meter
10" compound	\$1,209.30/meter	\$1,285.30/meter
14" compound	\$1,865.23/meter	\$1,982.45/meter
2" turbo	\$105.55/meter	\$112.20/meter
3" turbo	\$242.28/meter	\$257.70/meter
4" turbo	\$720.56/meter	\$765.85/meter
6" turbo	\$1,275.37/meter	\$1,355.55/meter
8" turbo	\$1,865.23/meter	\$1,982.45/meter
10" turbine	\$2,903.36/meter	\$3,085.85/meter
6" propeller	\$1,089.65/meter	\$1,158.15/meter
8" propeller	\$1,209.30/meter	\$1,285.30/meter
10" propeller	\$1,275.37/meter	\$1,355.55/meter
12" or 14" propeller	\$1,865.23/meter	\$1,982.45/meter
16", 18" or 20" propeller	\$2,933.11/meter	\$3,117.50/meter
Sewer service charge	\$16.90 to \$18.62/month	\$17.25 to \$19.00/month
Sewer quantity charge	\$1.94 - \$2.00/ccf of water used	\$2.00 - \$2.06/ccf of water used
Sewer commodity charge	\$0.093/ccf	\$0.095/ccf
Private fire line service fee per diameter in. Fire hydrant charge	\$13.60/month \$23.70/month per hydrant	\$13.60/month \$23.70/month per hydrant (No change)
Pumping surcharges by zone**	\$0.16 to \$0.42/ccf	\$0.16 to \$0.42/ccf (No change)
One-time setup fee for new accounts	\$15	\$15 (No change)
Fees for Reconnection to the System in the event of Shutoff	\$70.00 - \$95.00	\$70.00 - \$95.00 (No change)

* The proposed rates will become effective and operative for all bills sent starting on July 1, 2012.

**A surcharge is added to the commodity rate of those users at higher elevations that cause the District to incur additional pumping costs to supply their water. The surcharge is based on prevailing energy costs and varies depending upon the elevation of the area served. Areas affected by a pumping surcharge are itemized on the monthly bill.

AUTOMATIC RATE ADJUSTMENTS DUE TO REGIONAL AGENCY COST INCREASES: In calculating the proposed rate increases, IRWD has used the best available information on projected increases in the cost of imported water IRWD purchases from MWD through MWDOC, the replenishment charges paid by IRWD to Orange County Water District (OCWD) for pumping groundwater, and the cost for regional treatment of sewage paid by IRWD to the Orange County Sanitation District (OCSD). However, IRWD has no control over the rate and charge amounts set by MWD, MWDOC, OCWD and OCSD (the "Regional Agencies"), and must pass those costs through to IRWD's customers to achieve full cost recovery. While not anticipated at this time, should any of the Regional Agencies adopt an additional increase in rates and charges ("regional agency cost increases"), IRWD will automatically recalculate and adjust its rates and charges to include these regional agency cost increases. If this occurs, the automatic IRWD rate adjustment will not require a public hearing or any additional action by the IRWD Board of Directors. At least 30 days before the effective date of any adjustment, IRWD will provide its customers with the expected adjustment(s), which will generally be calculated as the total projected cost increase divided by the projected annual water consumption or annual total sewage flow as appropriate. This calculation will vary as necessary to reflect IRWD's different service areas and service classes.

SPECIAL NOTICE: While not anticipated at this time, should the Metropolitan Water District of Southern California or the Municipal Water District of Orange County increase the rates and charges IRWD pays for imported water during the year, IRWD intends to pass the equivalent cost per ccf of that imported water cost increase on to its customers without further notice or hearing, as permitted by law.

Any customers or property owners within the IRWD service area may file a written protest with IRWD by sending a letter to IRWD, P.O. Box 5149, Irvine, CA 92616. A valid protest letter must include your name, the address at which you receive service from IRWD, a statement of protest and your original signature. Protest letters received by June 22 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 25, 2011 at 5 p.m. in the IRWD Board Room, 15600 Sand Canyon Ave., Irvine, CA. Any customers or property owners may appear at the hearing to make comments regarding the proposed rates. Letters must be received prior to the conclusion of the June 25 public hearing.

IRVINE RANCH RATE AREA – LANDSCAPE & AGRICULTURAL CUSTOMER



Irvine Ranch Water District Notice of Proposed Water Rate Change

Background

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

Proposed Changes

For landscape irrigation customers, IRWD is proposing a potable water rate increase of \$0.02 per ccf (one hundred cubic feet of water, or 748 gallons). This would change the current base commodity charge for potable water from \$1.22 to \$1.24 per ccf, which is still one of the lowest water rates in Orange County. The proposed increase for recycled non-agricultural landscape irrigation water is from \$1.09 to \$1.11 per ccf. For agricultural users it is proposed that the rate for non-potable water be unchanged at \$1.12. The fixed monthly water service charge is proposed to increase \$0.55 from \$8.75 to \$9.30 for a 5/8" or 3/4" disc water meter. Of the proposed \$0.55 increase, \$0.40 is for planned increases to infrastructure replacement costs discussed below. See chart on reverse for the proposed fixed water service charge for other meter sizes.

Included in the monthly service charges to the average residential customer are \$1.50 per month for water infrastructure replacements and enhancements, and \$5.30 per month for sewer infrastructure replacements and enhancements. IRWD includes this funding source for capital replacement and enhancements as part of its long-term planning approach. By planning for the future and setting aside monies now to pay for the inevitable repair and the replacement of infrastructure such as pipes, pumping stations and treatment facilities, the District can avoid massive one-time increases to its customer rates and charges in the future. Please see the chart below to more fully explain the proposed rate changes.

Proposed IRWD Landscape and Agricultural Water Rates

Component	Current Rate	Proposed Rate
Non-Agricultural Landscape Irrigation Uses (actual water consumption):		
Potable water commodity charges		
- Low Volume (0 - 40 % of allocation)	\$0.91/ccf	\$0.91 /ccf
- Base Rate * (41 - 100 % of allocation)	\$1.22/ccf	\$1.24/ccf
- Inefficient (101 – 110 % of allocation)	\$2.50/ccf	\$2.76/ccf
- Excessive (111 – 120 % of allocation)	\$4.32/ccf	\$4.70/ccf
- Wasteful (121+% o of allocation)	\$9.48/ccf	\$9.84/ccf
Recycled and Non-potable water commodity charges		
- Low Volume (0 - 40 % of allocation)	\$0.82/ccf	\$0.82/ccf (No change)
- Base Rate * (41 - 100 % of allocation)	\$1.11/ccf	\$1.11/ccf
- Inefficient (101 – 110 % of allocation)	\$2.25/ccf	\$2.48/ccf
- Excessive (111 – 120 % of allocation)	\$3.89/ccf	\$4.23/ccf
- Wasteful (121+% o of allocation)	\$8.53/ccf	\$8.85/ccf
Santiago Aqueduct Commission (SAC) Water	\$1.37/ccf	\$1.44/ccf
Agricultural Uses (actual water consumption):		
Potable water commodity charge		
- Base Rate	\$1.48/ccf	\$1.50/ccf
- Inefficient	\$3.04/ccf	\$3.36/ccf
- Excessive	\$5.25/ccf	\$5.71/ccf
- Wasteful	\$11.52/ccf	\$11.96/ccf
Non-potable water commodity charge	\$1.10/ccf	\$1.12/ccf
SAC Water	\$1.44/ccf	\$1.51/ccf

Component	Current Rate	Proposed Rate
Water service (fixed monthly cost based on meter size)		
5/8" or 3/4" disc	\$8.75/meter	\$9.30/meter
1" disc	\$17.28/meter	\$18.35/meter
1 1/2" disc	\$47.85/meter	\$50.85/meter
2" disc	\$78.75/meter	\$83.70/meter
3" compound	\$187.74/meter	\$199.55/meter
4" compound	\$304.01/meter	\$323.10/meter
6" compound	\$488.03/meter	\$518.70/meter
8" compound	\$1,089.65/meter	\$1,158.15/meter
10" compound	\$1,209.30/meter	\$1,285.30/meter
14" compound	\$1,865.23/meter	\$1,982.45/meter
2" turbo	\$105.55/meter	\$112.20/meter
3" turbo	\$242.28/meter	\$257.70/meter
4" turbo	\$720.56/meter	\$765.85/meter
6" turbo	\$1,275.37/meter	\$1,355.55/meter
8" turbo	\$1,865.23/meter	\$1,982.45/meter
10" turbine	\$2,903.36/meter	\$3,085.85/meter
6" propeller	\$1,089.65/meter	\$1,158.15/meter
8" propeller	\$1,209.30/meter	\$1,285.30/meter
10" propeller	\$1,275.37/meter	\$1,355.55/meter
12" or 14" propeller	\$1,865.23/meter	\$1,982.45/meter
16", 18" or 20" propeller	\$2,933.11/meter	\$3,117.50/meter
Pumping surcharges by zone**	\$0.16 to \$0.42/ccf	\$0.16 to \$0.42/ccf (No change)
One-time setup fee for new accounts	\$15	\$15 (No change)
Fees for Reconnection to the System in the event of Shutoff	\$70.00 - \$95.00	\$70.00 - \$95.00 (No change)

* The proposed rates will become effective and operative for all bills sent starting on July 1, 2012.

**A surcharge is added to the commodity rate of those users at higher elevations that cause the District to incur additional pumping costs to supply their water. The surcharge is based on prevailing energy costs and varies depending upon the elevation of the area served. Areas affected by a pumping surcharge are itemized on the monthly bill.

AUTOMATIC RATE ADJUSTMENTS DUE TO REGIONAL AGENCY COST INCREASES: In calculating the proposed rate increases, IRWD has used the best available information on projected increases in the cost of imported water IRWD purchases from MWD through MWDOC, the replenishment charges paid by IRWD to Orange County Water District (OCWD) for pumping groundwater, and the cost for regional treatment of sewage paid by IRWD to the Orange County Sanitation District (OCSD). However, IRWD has no control over the rate and charge amounts set by MWD, MWDOC, OCWD and OCSD (the "Regional Agencies"), and must pass those costs through to IRWD's customers to achieve full cost recovery. While not anticipated at this time, should any of the Regional Agencies adopt an additional increase in rates and charges ("regional agency cost increases"), IRWD will automatically recalculate and adjust its rates and charges to include these regional agency cost increases. If this occurs, the automatic IRWD rate adjustment will not require a public hearing or any additional action by the IRWD Board of Directors. At least 30 days before the effective date of any adjustment, IRWD will provide its customers with the expected adjustment(s), which will generally be calculated as the total projected cost increase divided by the projected annual water consumption or annual total sewage flow as appropriate. This calculation will vary as necessary to reflect IRWD's different service areas and service classes.

SPECIAL NOTICE: While not anticipated at this time, should the Metropolitan Water District of Southern California or the Municipal Water District of Orange County increase the rates and charges IRWD pays for imported water during the year, IRWD intends to pass the equivalent cost per ccf of that imported water cost increase on to its customers without further notice or hearing, as permitted by law.

Any customers or property owners within the IRWD service area may file a written protest with IRWD by sending a letter to IRWD, P.O. Box 5149, Irvine, CA 92616. A valid protest letter must include your name, the address at which you receive service from IRWD, a statement of protest and your original signature. Protest letters received by June 22 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 25, 2012 at 5 p.m. in the IRWD Board Room, 15600 Sand Canyon Ave., Irvine, CA. Any customers or property owners may appear at the hearing to make comments regarding the proposed rates. Letters must be received prior to the conclusion of the June 22 public hearing.

LOS ALISOS RATE AREA – RESIDENTIAL CUSTOMER



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

Background

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

Proposed Changes

IRWD is proposing a water rate increase of \$0.09 per ccf (one hundred cubic feet of water, or 748 gallons) to the base rate. The \$0.09 increase would change the current base commodity charge for water from \$2.05 to \$2.14 per ccf. This change is largely due to an average 5% increase in the cost of imported water purchased from the Metropolitan Water District of Southern California (MWD) through our regional water wholesaler, the Municipal Water District of Orange County.

The fixed water service charge is not proposed to increase from its current level of \$9.60 for the average size residential water meter, but most meters larger than 1" in diameter will increase. The sewer rate is proposed to increase from \$16.90 to \$17.20 per month. **The total cost of all water and sewer rate increases would be an average of \$1.20 per month for the typical residential customer.**

Included in the monthly service charges to the average residential customer are \$1.50 per month for water infrastructure replacements and enhancements, and \$5.30 per month for sewer infrastructure replacements and enhancements. IRWD includes this funding source for capital replacement and enhancements as part of its long-term planning approach. By planning for the future and setting aside monies now to pay for the inevitable repair and the replacement of infrastructure such as pipes, pumping stations and treatment facilities, the District can avoid massive one-time increases to its customer rates and charges in the future.

How are Water Allocations Determined with an Allocation-Based Conservation Rate Structure?

IRWD customer bills are calculated using an allocation-based conservation rate structure uses property-specific water budgets and tiered pricing to provide customers with an economic incentive to encourage efficient water use. Under IRWD's allocation-based conservation rate structure, each customer receives a basic allocation of water that allows for a reasonable amount of water for the customer's needs. Water bills are calculated based upon how much water is used and whether customers stayed within their allocation. If a customer uses more water than their allocation, the water used that month is billed at increasingly higher tiers. Revenue generated by these higher billing tiers is applied to expenses associated with IRWD having to purchase additional imported water (the most expensive type of water for IRWD), urban runoff programs, and water conservation programs.

IRWD's water use allocations take into consideration both indoor and outdoor water use. Allocations are based on the number of residents in the home, the type of home (detached home, attached home or apartment), landscape square footage and actual daily weather and associated evapotranspiration (ET) data. ET is the amount of water that is lost by plants through evaporation and transpiration, and which needs to be replaced for the plants to remain healthy. Grass is the highest water-using plant in a landscape. Trees and shrubs use far less water than grass – but IRWD's allocation assumes that almost your entire landscape is covered with grass.

Your allocation will provide more than enough water to meet the demands of your landscaping. The base allocation formula assumes the following:

Attached home (i.e. condominium or townhouse): 3 people with 435 square feet of landscaping

Apartment: 2 people with no landscaping

Detached home (single family home): 4 people with 1300 square feet of landscaping

Variations are available to make adjustments to the allocation for more people living in the home, medical needs or other special circumstances.

Proposed IRWD Residential Water and Sewer Rates for the Los Alisos Rate Area*

Component	Current Rates	Proposed Rates
Water commodity charges – actual water consumption		
Low Volume (0 – 40% of allocation)	\$1.54/ccf	\$1.54/ccf
Base Rate (41 – 100% of allocation)	\$2.05/ccf	\$2.14/ccf
Inefficient (101 – 150% of allocation)	\$2.98/ccf	\$3.16/ccf
Excessive (151 – 200% of allocation)	\$4.49/ccf	\$4.70/ccf
Wasteful (Over 200% of allocation)	\$9.84/ccf	\$9.84/ccf
Water service charge – the fixed monthly charge based on meter size for the operation and maintenance of the water system		
Residential detached/attached/apartments		
5/8 or 3/4” meter	\$9.60/meter	\$9.60/meter
1” disc meter	\$18.20/meter	\$18.20/meter
1 1/2” disc meter	\$46.13/meter	\$50.85/meter
Master meter (shared meter) rates for residential apartments and condominiums, 5/8” or 3/4” meter**	\$9.60/meter	\$9.60/meter
Sewer service charge (Single family dwelling units)	\$16.90/month	\$17.20/month
Sewer service charge (Multi-family dwelling units, per unit)	\$12.70/month	\$12.95/month
Pumping surcharges by zone***	\$0.18/ccf	\$0.18/ccf
One-time setup fee for new accounts	\$15	\$15
Fees for Reconnection to the System in the event of Shutoff	\$70.00 - \$95.00	\$70.00 - \$95.00

* The proposed rates will become effective and operative for all bills sent starting on July 1, 2012.

**For meters larger than one-inch in the Los Alisos Service, IRWD applies a graduated schedule of charges on a per-meter basis, ranging from \$18.20 per month for a 1-inch meter to \$2,295.35 for a 14-inch compound meter. The current amount for your meter size appears on your bill.

***A surcharge is 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 on prevailing energy costs and varies depending upon the elevation of the area served. If you live in an area affected by a pumping surcharge, it is itemized on your monthly bill.

For the average residential customer using 18 ccf of water, the total proposed rates will translate into an increase of \$1.20 per month. Most customers in IRWD use less than 18 ccf per month.

AUTOMATIC RATE ADJUSTMENTS DUE TO REGIONAL AGENCY COST INCREASES: In calculating the proposed rate increases, IRWD has used the best available information on projected increases in the cost of imported water IRWD purchases from MWD through MWDOC, the replenishment charges paid by IRWD to Orange County Water District (OCWD) for pumping groundwater, and the cost for regional treatment of sewage paid by IRWD to the Orange County Sanitation District (OCSD). However, IRWD has no control over the rate and charge amounts set by MWD, MWDOC, OCWD and OCSD (the “Regional Agencies”), and must pass those costs through to IRWD’s customers to achieve full cost recovery. While not anticipated at this time, should any of the Regional Agencies adopt an additional increase in rates and charges (“regional agency cost increases”), IRWD will automatically recalculate and adjust its rates and charges to include these regional agency cost increases. If this occurs, the automatic IRWD rate adjustment will not require a public hearing or any additional action by the IRWD Board of Directors. At least 30 days before the effective date of any adjustment, IRWD will provide its customers with the expected adjustment(s), which will generally be calculated as the total projected cost increase divided by the projected annual water consumption or annual total sewage flow as appropriate. This calculation will vary as necessary to reflect IRWD’s different service areas and service classes.

SPECIAL NOTICE: While not anticipated at this time, should the Metropolitan Water District of Southern California or the Municipal Water District of Orange County increase the rates and charges IRWD pays for imported water during the year, IRWD intends to pass the equivalent cost per ccf of that imported water cost increase on to its customers without further notice or hearing, as permitted by law.

An “Allocation-Based Conservation Rate Calculator” is available on the IRWD website (www.irwd.com) to show customers how staying within or exceeding your allocation will affect your monthly bill. Provide your account number from a recent bill and your bill can be recalculated using the new rates. Customers who use water wisely and within their allocation will be rewarded with some of the lowest rates in Orange County.

Any customers or property owners within the IRWD service area may file a written protest with IRWD by sending a letter to IRWD, P.O. Box 5149, Irvine, CA 92616. A valid protest letter must include your name, the address at which you receive service from IRWD, a statement of protest and your original signature. Protest letters received by June 22 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 25, 2012 at 5 p.m. in the IRWD Board Room, 15600 Sand Canyon Ave., Irvine, CA. Any customers or property owners may appear at the hearing to make comments regarding the proposed rates. Letters must be received prior to the conclusion of the June 25 public hearing.

LOS ALISOS RATE AREA – COMMERCIAL CUSTOMER



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

Background

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

Proposed Changes

For commercial, industrial and institutional customers in the Los Alisos rate area, IRWD is proposing a potable water rate increase of \$0.09 per ccf (one hundred cubic feet of water, or 748 gallons) on the base rate. The increase in the base commodity charge for potable water is from \$2.05 to \$2.14 per ccf. This change is largely due to an average 6% increase in the cost of imported water purchased from the Metropolitan Water District of Southern California (MWD) through our regional water wholesaler, the Municipal Water District of Orange County.

The fixed monthly water service charge is not proposed to change for meters sized 1” or less. For meters larger than 1”, see the chart on reverse for the proposed fixed water service charge for other meter sizes.

The sewer service charge is proposed to increase from \$16.90 to \$17.20 per month for Non-Residential Class II customers whose water consumption is not in excess of 10 ccf per month, along with an increase in the sewer quantity charge from \$1.94/ccf to \$2.00/ccf of water used. For commercial, industrial and institutional users whose water consumption exceeds 10 ccf per month, the sewer service charge is proposed to increase from \$18.62 to \$19.00 per month.

Included in the monthly service charges to the average residential customer are \$1.50 per month for water infrastructure replacements and enhancements, and \$5.30 per month for sewer infrastructure replacements and enhancements. IRWD includes this funding source for capital replacement and enhancements as part of its long-term planning approach. By planning for the future and setting aside monies now to pay for the inevitable repair and the replacement of infrastructure such as pipes, pumping stations and treatment facilities, the District can avoid massive one-time increases to its customer rates and charges in the future.

Proposed IRWD Commercial, Industrial and Institutional Water and Sewer Rates Los Alisos Rate Area

Component	Current Rate	Proposed Rate
Potable water commodity charges – actual water consumption		
Low Volume (0 – 40% of allocation)	\$1.54/ccf	\$1.54/ccf
Base Rate (41– 100% of allocation)	\$2.05/ccf	\$2.14/ccf
Inefficient (100-110% of allocation)	\$2.98/ccf	\$3.16/ccf
Excessive (111-120% of allocation)	\$4.49/ccf	\$4.70/ccf
Wasteful (121+% of allocation)	\$9.84/ccf	\$9.84/ccf
Recycled water commodity charges - actual water consumption		
Base Rate (0 – 100% of allocation)	\$0.74/ccf	\$0.76/ccf
Inefficient (100-110% of allocation)	\$1.50/ccf	\$1.67/ccf
Excessive (111-120% of allocation)	\$2.59/ccf	\$2.82/ccf
Wasteful (121+% of allocation)	\$5.69/ccf	\$5.91/ccf
Recycled water loan commodity charges – actual water consumption		
Base Rate* (0-100% of allocation)	\$1.22/ccf	\$1.24/ccf
Inefficient (100-110% of allocation)	\$2.50/ccf	\$2.76/ccf
Excessive (111-120% of allocation)	\$4.32/ccf	\$4.70/ccf
Wasteful (121+% of allocation)	\$9.48/ccf	\$9.84/ccf

Component	Current Rate	Proposed Rate
Water service charge (fixed monthly cost based on meter size)		
5/8" or 3/4" disc	\$ 9.60/meter	\$9.60/meter
1" disc	\$ 18.20/meter	\$18.20/meter
1 1/2" disc	\$46.13/meter	\$50.85/meter
2" disc	\$59.45/meter	\$71.05/meter
3" compound	\$137.96/meter	\$164.85/meter
4" compound	\$213.19/meter	\$254.75/meter
6" compound	\$421.30/meter	\$503.45/meter
8" compound	\$670.93/meter	\$801.75/meter
10" compound	\$962.63/meter	\$1,150.35/meter
14" compound	\$1,920.78/meter	\$1,982.45/meter
2" turbo	\$87.95/meter	\$105.10/meter
3" turbo	\$192.22/meter	\$229.70/meter
4" turbo	\$525.50/meter	\$627.95/meter
6" turbo	\$1,045.98/meter	\$1,249.95/meter
8" turbo	\$1,463.99/meter	\$1,749.45/meter
2" magnetic meter	\$137.96/meter	\$164.85/meter
4" magnetic meter	\$525.50/meter	\$627.95/meter
6" magnetic meter	\$1,045.98/meter	\$1,249.95/meter
10" magnetic meter	\$1,463.93/meter	\$1,749.40/meter
Sewer service charge	\$16.90 to \$18.62/month	\$17.25 to \$19.00/month
Sewer quantity charge	\$1.94-\$2.00/ccf of water used	\$2.00 - \$2.06/ccf of water used
Sewer commodity charge	\$0.093/ccf	\$0.095/ccf
Private fire line service fee per diameter in.	\$13.60/month	\$13.60/month
Fire hydrant charge	\$23.70/month per hydrant	\$23.70/month per hydrant
Pumping surcharges by zone**	\$0.18/ccf	\$0.18/ccf
One-time setup fee for new accounts	\$15	\$15
Fees for Reconnection to the System in the event of Shutoff	\$70.00 - \$95.00	\$70.00 - \$95.00

* The proposed rates will become effective and operative for all bills sent starting on July 1, 2012.

**A surcharge is added to the commodity rate of those users at higher elevations that cause the District to incur additional pumping costs to supply their water. The surcharge is based on prevailing energy costs and varies depending upon the elevation of the area served. Areas affected by a pumping surcharge are itemized on the monthly bill.

AUTOMATIC RATE ADJUSTMENTS DUE TO REGIONAL AGENCY COST INCREASES: In calculating the proposed rate increases, IRWD has used the best available information on projected increases in the cost of imported water IRWD purchases from MWD through MWDOC, the replenishment charges paid by IRWD to Orange County Water District (OCWD) for pumping groundwater, and the cost for regional treatment of sewage paid by IRWD to the Orange County Sanitation District (OCSA). However, IRWD has no control over the rate and charge amounts set by MWD, MWDOC, OCWD and OCSA (the "Regional Agencies"), and must pass those costs through to IRWD's customers to achieve full cost recovery. While not anticipated at this time, should any of the Regional Agencies adopt an additional increase in rates and charges ("regional agency cost increases"), IRWD will automatically recalculate and adjust its rates and charges to include these regional agency cost increases. If this occurs, the automatic IRWD rate adjustment will not require a public hearing or any additional action by the IRWD Board of Directors. At least 30 days before the effective date of any adjustment, IRWD will provide its customers with the expected adjustment(s), which will generally be calculated as the total projected cost increase divided by the projected annual water consumption or annual total sewage flow as appropriate. This calculation will vary as necessary to reflect IRWD's different service areas and service classes.

SPECIAL NOTICE: While not anticipated at this time, should the Metropolitan Water District of Southern California or the Municipal Water District of Orange County increase the rates and charges IRWD pays for imported water during the year, IRWD intends to pass the equivalent cost per ccf of that imported water cost increase on to its customers without further notice or hearing, as permitted by law.

Any customers or property owners within the IRWD service area may file a written protest with IRWD by sending a letter to IRWD, P.O. Box 5149, Irvine, CA 92616. A valid protest letter must include your name, the address at which you receive service from IRWD, a statement of protest and your original signature. Protest letters received by June 22 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 25, 2011 at 5 p.m. in the IRWD Board Room, 15600 Sand Canyon Ave., Irvine, CA. Any customers or property owners may appear at the hearing to make comments regarding the proposed rates. Letters must be received prior to the conclusion of the June 25 public hearing.

LOS ALISOS RATE AREA – LANDSCAPE CUSTOMER



Irvine Ranch Water District Notice of Proposed Water Rate Change

Background

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

Proposed Changes

For landscape irrigation customers, IRWD is proposing a potable water rate increase of \$0.09 per ccf (one hundred cubic feet of water, or 748 gallons) on the base rate. This would change the current base commodity charge for potable water from \$2.05 to \$2.14 per ccf. The proposed increase for non-potable or recycled landscape irrigation or agricultural water is from \$1.09 to \$1.11 per ccf. This change is largely due to an average 6% increase in the cost of imported water purchased from the Metropolitan Water District of Southern California (MWD) through our regional water wholesaler, the Municipal Water District of Orange County.

The fixed monthly water service charge is not proposed to increase for meters 1” and under. **See chart below and on reverse for the proposed fixed water service charge for other meter sizes, which are proposed to increase.**

Proposed IRWD Landscape and Agricultural Water Rates Los Alisos Rate Area

Component	Current Rate	Proposed Rate
Non-Agricultural Landscape Irrigation Uses (actual water consumption):		
Potable water commodity charges		
- Low Volume (0 - 40 % of allocation)	\$1.54/ccf	\$1.54/ccf
- Base Rate * (41 - 100 % of allocation)	\$2.05/ccf	\$2.14/ccf
- Inefficient (101 – 110 % of allocation)	\$2.98/ccf	\$3.16/ccf
- Excessive (111 – 120 % of allocation)	\$4.49/ccf	\$4.70/ccf
- Wasteful (121+% o of allocation)	\$9.84/ccf	\$9.84/ccf
Recycled and Non-potable water commodity charges		
- Low Volume (0 - 40 % of allocation)	\$0.82/ccf	\$0.82/ccf (No change)
- Base Rate * (41 - 100 % of allocation)	\$1.09/ccf	\$1.11/ccf
- Inefficient (101 – 110 % of allocation)	\$2.25/ccf	\$2.48/ccf
- Excessive (111 – 120 % of allocation)	\$3.89/ccf	\$4.23/ccf
- Wasteful (121+% o of allocation)	\$8.53/ccf	\$8.85/ccf
Santiago Aqueduct Commission (SAC) Water	\$1.37/ccf	\$1.44/ccf
Agricultural Uses (actual water consumption):		
Potable water commodity charge		
- Base Rate	\$2.38/ccf	\$2.50/ccf
- Inefficient	\$4.06/ccf	\$4.29/ccf
- Excessive	\$6.87/ccf	\$7.04/ccf
- Wasteful	\$10.98ccf	\$11.34ccf
Non-potable water commodity charge	\$1.09/ccf	\$1.11/ccf
SAC Water	\$1.44/ccf	\$1.51/ccf
Water service charge (fixed monthly cost) based on meter size)		
5/8” or ¾” disc	\$9.60/meter	\$9.60/meter
1” disc	\$18.20/meter	\$18.20/meter

Component	Current Rate	Proposed Rate
1 ½" disc	\$46.13/meter	\$50.85/meter
2" disc	\$59.45/meter	\$71.05/meter
3" compound	\$137.96/meter	\$164.85/meter
4" compound	\$213.19/meter	\$254.75/meter
6" compound	\$421.30/meter	\$503.45/meter
8" compound	\$670.93/meter	\$801.75/meter
10" compound	\$962.63/meter	\$1,150.35/meter
14" compound	\$1,920.78/meter	\$1,982.45/meter
2" turbo	\$87.95/meter	\$105.10/meter
3" turbo	\$192.22/meter	\$229.70/meter
4" turbo	\$525.50/meter	\$627.95/meter
6" turbo	\$1,045.98/meter	\$1,249.95/meter
8" turbo	\$1,463.99/meter	\$1,749.45/meter
2" magnetic meter	\$137.96/meter	\$164.85/meter
4" magnetic meter	\$525.50/meter	\$627.95/meter
6" magnetic meter	\$1,045.98/meter	\$1,249.95/meter
10" magnetic meter	\$1,463.93/meter	\$1,749.40/meter
Sewer service charge	\$16.90 to \$18.62/month	\$17.25 to \$19.00/month
Sewer quantity charge	\$1.94-\$2.00/ccf of water used	\$2.00 - \$2.06/ccf of water used
Sewer commodity charge	\$0.093/ccf	\$0.095/ccf
Private fire line service fee per diameter in.	\$9.50/month	\$9.50/month
Fire hydrant charge	\$23.70/month per hydrant	\$23.70/month per hydrant
Pumping surcharges by zone**	\$0.18/ccf	\$0.18/ccf
One-time setup fee for new accounts	\$15.00	\$15.00
Fees for Reconnection to the System in the event of Shutoff	\$70.00 - \$95.00	\$70.00 - \$95.00

* *The proposed rates will become effective and operative for all bills sent starting on July 1, 2012.*

***A surcharge is 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 on prevailing energy costs and varies depending upon the elevation of the area served. If you live in an area affected by a pumping surcharge, it is itemized on your monthly bill.*

AUTOMATIC RATE ADJUSTMENTS DUE TO REGIONAL AGENCY COST INCREASES: In calculating the proposed rate increases, IRWD has used the best available information on projected increases in the cost of imported water IRWD purchases from MWD through MWDOC, the replenishment charges paid by IRWD to Orange County Water District (OCWD) for pumping groundwater, and the cost for regional treatment of sewage paid by IRWD to the Orange County Sanitation District (OCSD). However, IRWD has no control over the rate and charge amounts set by MWD, MWDOC, OCWD and OCSD (the "Regional Agencies"), and must pass those costs through to IRWD's customers to achieve full cost recovery. While not anticipated at this time, should any of the Regional Agencies adopt an additional increase in rates and charges ("regional agency cost increases"), IRWD will automatically recalculate and adjust its rates and charges to include these regional agency cost increases. If this occurs, the automatic IRWD rate adjustment will not require a public hearing or any additional action by the IRWD Board of Directors. At least 30 days before the effective date of any adjustment, IRWD will provide its customers with the expected adjustment(s), which will generally be calculated as the total projected cost increase divided by the projected annual water consumption or annual total sewage flow as appropriate. This calculation will vary as necessary to reflect IRWD's different service areas and service classes.

SPECIAL NOTICE: While not anticipated at this time, should the Metropolitan Water District of Southern California or the Municipal Water District of Orange County increase the rates and charges IRWD pays for imported water during the year, IRWD intends to pass the equivalent cost per ccf of that imported water cost increase on to its customers without further notice or hearing, as permitted by law.

Any customers or property owners within the IRWD service area may file a written protest with IRWD by sending a letter to IRWD, P.O. Box 5149, Irvine, CA 92616. A valid protest letter must include your name, the address at which you receive service from IRWD, a statement of protest and your original signature. Protest letters received by June 22 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 25, 2012 at 5 p.m. in the IRWD Board Room, 15600 Sand Canyon Ave., Irvine, CA. Any customers or property owners may appear at the hearing to make comments regarding the proposed rates. Letters must be received prior to the conclusion of the June 25 public hearing.

ORANGE PARK ACRES RATE AREA – RESIDENTIAL CUSTOMER



Irvine Ranch Water District Notice of Proposed Water Rate Change

Background

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

Rates in the Orange Park Acres rate area are tied directly to the proposed changes in the Irvine Ranch rate area, by agreement. Once the Orange Park Acres rate area's "buy-in" to IRWD is completed, Orange Park Acres rate area customers will be migrated to the Irvine Ranch rate area rates.

Proposed Changes

IRWD is proposing a water rate increase of \$0.02 per ccf (one hundred cubic feet of water, or 748 gallons). This would change the current base commodity charge for water from \$1.74 to \$1.76 per ccf. This change is largely due to an average 7% increase in the cost of imported water purchased from the Metropolitan Water District of Southern California (MWD) through our regional water wholesaler, the Municipal Water District of Orange County. Prior to consolidation with IRWD, customers in the former Orange Park Acres Mutual Water Company were paying \$2.00/ccf.

The fixed water service charge is proposed to increase \$0.55 from \$17.25 to \$17.80 per month for all sizes of residential water meters. Of the proposed \$0.55 increase, \$0.40 is for planned increases to infrastructure replacement costs discussed below. See the chart below for other sizes of meters. Included in the monthly service charges to the average residential customer are \$1.50 per month for water infrastructure replacements and enhancements, and \$5.30 per month for sewer infrastructure replacements and enhancements. IRWD includes this funding source for capital replacement and enhancements as part of its long-term planning approach. By planning for the future and setting aside monies now to pay for the inevitable repair and the replacement of infrastructure such as pipes, pumping stations and treatment facilities, the District can avoid massive one-time increases to its customer rates and charges in the future.

The total cost of all water rate increases would be an average of \$1.79 per month for the typical residential customer using an average 62 ccf per month. Please see the chart below to more fully explain the proposed rate changes.

Proposed IRWD Residential Water Rates - Orange Park Acres Rate Area*

Component	Current Rate	Proposed Rate
Water commodity charges – actual water consumption		
3/4" Meter Size		
- Standard Tier I (0 – 10 ccf)	\$1.74/ccf	\$1.76/ccf
- Excess Tier II (11 – 40 ccf)	\$2.08/ccf	\$2.10/ccf
- Excess Tier III (41+ ccf)	\$2.63/ccf	\$2.65/ccf
Water service charge – the fixed monthly charge for the operation and maintenance of the water system		
All meter sizes	\$17.25/meter	\$17.80/meter
One-time setup fee for new accounts	\$15	\$15 (No change)
Fees for Reconnection to the System in the event of Shutoff	\$70.00 - \$95.00	\$70.00 - \$95.00 (No change)

* The proposed rates will become effective and operative for all bills sent starting on July 1, 2012.

For the average residential customer using 62 ccf of water, the total proposed rates will translate into an increase of \$1.79 per month.

AUTOMATIC RATE ADJUSTMENTS DUE TO REGIONAL AGENCY COST INCREASES: In calculating the proposed rate increases, IRWD has used the best available information on projected increases in the cost of imported water IRWD purchases from MWD through MWDOC and the replenishment charges paid by IRWD to Orange County Water District (OCWD) for pumping groundwater. However, IRWD has no control over the rate and charge amounts set by MWD, MWDOC, and OCWD (the "Regional Agencies"), and must pass those costs through to IRWD's customers to achieve full cost recovery. While not anticipated at this time, should any of the Regional Agencies adopt an additional increase in rates and charges ("regional agency cost increases"), IRWD will automatically recalculate and adjust its rates and charges to include these regional agency cost increases. If this occurs, the automatic IRWD rate adjustment will not require a public hearing or any additional action by the IRWD Board of Directors. At least 30 days before the effective date of any adjustment, IRWD will provide its customers with the expected adjustment(s), which will generally be calculated as the total projected cost increase divided by the projected annual water consumption. This calculation will vary as necessary to reflect IRWD's different service areas and service classes.

SPECIAL NOTICE: While not anticipated at this time, should the Metropolitan Water District of Southern California or the Municipal Water District of Orange County increase the rates and charges IRWD pays for imported water during the year, IRWD intends to pass the equivalent cost per ccf of that imported water cost increase on to its customers without further notice or hearing, as permitted by law.

A Rate Calculator will be available on the IRWD website (www.irwd.com) to show customers how staying within or exceeding your allocation will affect your monthly bill. Provide your account number from a recent bill and your bill can be recalculated using the new rates.

Any customers or property owners within the IRWD service area may file a written protest with IRWD by sending a letter to IRWD, P.O. Box 5149, Irvine, CA 92616. A valid protest letter must include your name, the address at which you receive service from IRWD, a statement of protest and your original signature. Protest letters received by June 22 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 25, 2012 at 5 p.m. in the IRWD Board Room, 15600 Sand Canyon Ave., Irvine, CA. Any customers or property owners may appear at the hearing to make comments regarding the proposed rates. Letters must be received prior to the conclusion of the June 25 public hearing.

Exhibit "E"

RESOLUTION NO. 2012 -

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT,
ORANGE COUNTY, CALIFORNIA
APPROVING DISTRICT'S OPERATING BUDGET FOR
FISCAL YEAR 2012-13 AND DETERMINING COMPLIANCE WITH
ARTICLE XIII B OF THE CALIFORNIA CONSTITUTION

WHEREAS, the Board of Directors of the Irvine Ranch Water District (IRWD) has fully considered the financial needs of IRWD for purposes of operational costs during Fiscal Year 2012-13; and

WHEREAS, an Operating Budget has been prepared and reviewed by this Board of Directors; and

WHEREAS, Article XIII B of the Constitution of the State of California provides that the appropriations of local agencies will be limited each year to those of the previous year, adjusted for changes in population, cost of living and transfers in sources of funding; and

WHEREAS, Section 8 of Article XIII B specifically excludes user charges or fees or regulatory fees as long as such fees and charges do not produce revenues exceeding the costs reasonably borne in providing the regulation, product or service; and

WHEREAS, IRWD's Operating Budget for Fiscal Year 2012-13 is totally funded from user charges which are excluded from the appropriations formula established by Article XIII B.

NOW, THEREFORE, the Board of Directors of IRWD DOES HEREBY RESOLVE, DETERMINE and ORDER as follows:

Section 1. That relative to appropriations subject to limitation under Article XIII B of the Constitution of the State of California, IRWD's Operating Budget for Fiscal Year 2012-13 is hereby determined to be funded totally by revenues other than the proceeds of taxes as defined in Section 8(c) of Article XIII B, and that the documentation used in making such determination has been on file in the offices of IRWD for not less than fifteen days prior to the date hereof, pursuant to Section 7910 of the Government Code of the State of California.

Section 2. That IRWD's Operating Budget for Fiscal Year 2012-13 is in compliance with the provisions of Article XIII B of the Constitution of the State of California.

Section 3. That the Operating Budget for IRWD for Fiscal Year 2012-13 as set forth in the Summary of the Operating Budget dated April 23, 2012 which is by this reference incorporated herein, be and the same is hereby approved.


ADOPTED, SIGNED AND APPROVED this 23th day of April, 2012.

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

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

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

By: _____

April 23, 2012
Prepared and
Submitted by: Janet Wells / Debby Cherney
Approved by: Paul Cook 

WORKSHOP

RETIREMENT STUDY – ALTERNATIVES EVALUATION

SUMMARY:

At the April 9, 2012 Board meeting, staff and the District's benefits consultant presented four different potential design alternatives for the IRWD retirement program for the Board's consideration. A lengthy discussion regarding these alternatives ensued, with a number of questions asked by individual Board members. At the meeting staff had requested that, as an outcome of the discussion of this item, the Board provide direction regarding the preferred alternative for the retirement program design for existing and future-hired employees. This direction was not provided at that meeting, so this item is being brought back to the Board to accomplish the following tasks:

- Staff to answer the questions posed by the Board at its April 9, 2012 meeting, and
- Board to discuss the alternative retirement design proposals and provide direction to staff regarding its preferred alternative.

BACKGROUND:

As part of the series of Finance and Personnel Committee meetings and Board workshops regarding the development and evaluation of potential changes to the District's retirement and health benefits, a discussion was conducted at the April 9, 2012 Board meeting regarding four potential design scenarios for the IRWD employees' retirement program. A copy of the write-up from the April 9, 2012 Board meeting is attached as Exhibit "A" for reference.

This item is being brought back to the Board for further discussion since the direction regarding the Board's preferred alternative was not provided at the April 9 meeting as requested. Staff and representatives from the District's benefits consultant, Aon Hewitt, will also provide additional information in response to questions asked by Board members at the April 9 meeting.

Updated Modeling Scenario:

Under a separate item approved at the April 9, 2012 Board meeting (subsequent to the discussion of the retirement benefit alternatives item), the Board adopted a Resolution of Intention to adopt a second tier of pension benefits for future-hired employees. The provisions of that resolution included adopting a 2% at 60 CalPERS formula for future-hired employees with a three-year average final compensation. Employees hired into the second tier would be contributing 7.0% of salary to their CalPERS pensions.

The modeling presented at the April 9, 2012 had included a 6.0% CalPERS pension contribution for Proposal D. Based on the Board-adopted Resolution of Intent, this assumption was no longer valid, so Proposal D was re-modeled to include a 7.0% employee contribution. Other assumptions included in this proposal (rate of return on assets at 7.25%, existing employees

contributing 8.0% of salary, the District paying 25% of payroll along with the balance of the employees' 8.0% until the transition is complete, and the continuation of the District's match of up to 3.0% of each employee's base salary to his or her 401(a) deferred compensation savings plan) remained the same. The outcome of the model run for the revised Proposal D (identified as "Proposal D-1") results in the District's pension liability being fully funded by 2033, or 21 years.

A draft of the slides to be presented at the April 23 Board meeting is attached as Exhibit "B".

Recommended Outcome and Next Steps:

Staff recommends that the Board discuss and identify a preferred alternative for the employee retirement benefits program. Once this direction is provided, staff will schedule employee all-hands meeting(s) to discuss the preferred retirement plan design alternative. The employee meetings will also provide an opportunity for employee feedback to the preferred alternative, and will hopefully address some of the concerns with the uncertainties associated with the District's retirement benefits that have developed over time.

FISCAL IMPACTS:

The fiscal impacts of any changes to the retirement benefits for IRWD employees and the District will be determined through the course of the Study.

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:

Elements of the Retirement Study were reviewed by the Board on October 7, 2011, November 28, 2011, February 22, 2012 and April 9, 2012, and by the Finance and Personnel Committee on November 1 and 22, 2011, February 6, 2012, March 5, 2012 and April 3, 2012.

RECOMMENDATION:

THAT THE BOARD REVIEW AND PROVIDE DIRECTION REGARDING ITS PREFERRED ALTERNATIVE FOR EMPLOYEES' RETIREMENT BENEFITS BASED ON AON HEWITT'S SUPPLEMENTAL FINANCIAL PROJECTIONS AND MODELING FOR THE DISTRICT'S CALPERS PENSION PROGRAM.

LIST OF EXHIBITS:

Exhibit "A" – April 9, 2012 Write-up to IRWD Board
Exhibit "B" – Draft PowerPoint Slides

Exhibit "A"

April 9, 2012

Prepared and

Submitted by: Janet Wells/Debby Cherney *DC*

Approved by: Paul Cook *PC*

ACTION CALENDAR

RETIREMENT STUDY UPDATE: SUPPLEMENTAL PROJECTIONS AND PROFESSIONAL SERVICES VARIANCE FOR AON HEWITT

SUMMARY:

As a continuation of the Board workshop discussion on February 22, 2012, consultants from Aon Hewitt (Aon) have prepared a set of supplemental financial projections for the funding of the District's CalPERS pension program using a variety of differing contribution rates. These projections reflect the additional employee contributions being made as of March 1, 2012 as well as an assumed discount rate of 7.25%.

At the Board workshop on February 22, 2012, and the Finance and Personnel Committee meeting on March 5, 2012, staff was directed to proceed with the steps necessary to implement a second pension tier for newly-hired employees. The first step in that process is to obtain a valuation of the effect of the potential change on the District's pension program, which has been received. A separate item is agendaized for this Board meeting to adopt a resolution of intent to move forward with the implementation of the second tier for future employees.

Aon's initial proposal was for a scope of services totaling \$217,700. The Board authorized a contract not to exceed \$150,000 and directed staff to prepare a variance for its consideration should additional funds be required. Additional meetings and financial modeling services have been required and will continue to be required of the Aon team in order to complete the retirement and health benefits study. Staff recommends that the Board approve a variance on a time and materials basis not to exceed \$127,700, bringing the total Aon Professional Services Agreement to \$277,700.

BACKGROUND:

On September 12, 2011 the Board authorized the retention of Aon Hewitt and Hanson Bridgett to perform a study to evaluate potential changes to the District's retirement and health benefits as well as a review of the District's compensation survey methodology. As part of the study, a series of workshops has been and will continue to be conducted with the Finance and Personnel Committee and the full Board on topics which are outlined in the updated project schedule attached as Exhibit "A".

Retirement Study Objectives:

At a workshop conducted on October 7, 2011, the Board identified a series of high-level objectives to be used for guiding the development of any potential changes to the retirement benefit provided by IRWD. These objectives are as follows:

1. Any changes to the retirement plans must be explained to employees and ratepayers in the context of:
 - a. Appropriate pay and benefits package, and a well understood competitive position, and
 - b. Need to provide exceptional water and wastewater service at competitive prices.
2. Develop retirement income program with a sustainable cost structure:
 - a. Ongoing contribution level around 10 to 15% of payroll;
 - b. Mechanism to control year-to-year cost volatility; and
 - c. Maintain healthy funded position based on reasonable market expectations.
3. Deliver adequate retirement benefits:
 - a. Provide opportunity for employees to accumulate sufficient retirement income;
 - b. District-paid benefits should target no more than 65% income replacement for a full-career employee;
 - c. Target replacement income at age 65; and
 - d. Provide ability to retire sooner than 65 through a supplemental benefit for field employees under certain circumstances.
4. Retirement program should encourage employee savings.
5. The District should bear a portion of the investment and longevity risks and the program should have a defined benefit component.
6. The District will be fair and equitable to current and former employees.
7. Ideally, the District should maintain a single retirement structure for all current and future employees.

Financial Analysis and Potential Solutions:

Aon's scope of work relative to the retirement program included developing a realistic understanding of IRWD's current and future unfunded liabilities and to model a variety of options to meet the District's retirement plan objectives. At the Board workshop on February 22, 2012, the Aon team presented a detailed discussion of the following items:

- Financial analysis of IRWD's existing plan and funding levels;
- An overview of Governor Brown's proposed pension reform legislation;
- Alternate retirement plan design options as mapped to the District's established objectives on retirement programs; and
- A "straw man" proposed design along with suggested implementation steps that could then be incorporated into the Study.

The Aon team projected the current plan's funding status over the next 20 years using CalPERS' assumed 7.75% rate of return. That analysis demonstrated that without changes to the plan, the District's contributions of approximately 20% of salary each year will not improve the funding levels of the District's CalPERS liability over the next 20 years.

Alternative Plan Design Scenarios:

Choices for making changes to the existing CalPERS plan are very limited. As mentioned above, terminating the plan is not a viable option. Most legal opinions cite that California public sector employers cannot make any type of plan “freeze” that would halt the accrual of additional pension benefits, as private sector employers can do under the federal Employee Retirement Income Security Act (ERISA). The District is not able under current State law to reduce the benefit from the current 2.5% at 55 to a lower benefit (such as 2.0% at 60) for future service credit for existing employees.

Two “levers” that are immediately available to the District with regard to the CalPERS plan include: 1) the implementation of a lower benefit tier for future hires; and 2) the decrease of Employer-Paid Member Contributions and corresponding increase of employee contributions into the plan. The existing 2.5% at 55 plan has an “employee contribution” (as defined by CalPERS) of 8%, although the District could require its employees to contribute above the 8% level under certain circumstances in the future.

On February 22, 2012, the Aon team presented its analysis of those options including how they align with the District’s objectives. Given the constraints provided by existing law, only one of the previously considered plan designs is implementable, but it does not meet all of the Board’s established objectives. This plan, reflected as the “straw man” design, provided as follows:

- A second tier would be established for future hires reflecting a 2.0% at 60 benefit formula, using a three-year final average salary to determine benefit. This tier has a CalPERS-established employee contribution of 7%, which the Aon consultants have recommended be increased over a two-year period to 8%.
- Existing employees would remain in the current 2.5% at 55 benefit formula, with single-year highest salary to determine benefit. For discussion purposes, the Aon consultants have modeled the impacts to the retirement program where District employees contribute 8% by 2014 and then subsequent shifts up to 12% would occur over the two subsequent years; for this analysis, District contributions were modeled at 25% of payroll with an assumed rate of return at 7.25%.

The “straw man” design further contemplated that the District request CalPERS and the legislature to change existing law to permit employees, in the future, to optionally elect between multiple benefit levels. More generous benefits with early retirement ages would require higher employee contributions, and vice versa. This would permit employees to opt into a plan that best reflects their personal financial situation and planning needs, while allowing the District to be cost-neutral between plan designs. Again, this approach would be a future phased effort that would require changes in law and CalPERS rules.

Supplemental Projections:

The Aon team was requested to prepare a series of supplemental projections which reduced the employee contributions from the 12% straw man design. The supplemental projections, attached as Exhibit “B”, illustrate the effects that lowering the employee contribution rate would have on

the District's contribution rate. Specifically, page two of that exhibit includes a table reflecting four scenarios of gradual increases in employee contributions starting at the current 5% contribution rate (for most full-time employees) and increasing over time to between 8% and 12%. The Aon team's findings are that each 2% decrease in the ultimate employee contribution rate for existing employees increases the employer contribution rate by less than 1% (over a 20-year period). These findings assume that the District adopts the second tier for newly-hired employees by July 1, 2012.

Supplemental Replacement Income Analysis:

In addition to the alternative modeling included in the supplemental projections, the Aon team also updated its replacement income analysis for the original straw man design using the current 5% contribution rate. Aon was also asked to model the replacement income impact if the District was to potentially terminate its 3% match on the District's deferred compensation program and use that 3% to "buy down" a higher employee contribution rate to a lower rate (e.g., a 12% employee PERS contribution to 9%). This analysis is included on page four of a PowerPoint presentation attached as Exhibit "C" which illustrates the range of replacement income for full-career employees at retirement ages 55, 62 and 65.

Board Input:

Staff requests that the Board provide its input on the supplemental projections in advance of holding employee all-hands workshops to discuss the alternatives during the month of April.

Professional Services Variance for Aon Hewitt:

Aon's initial proposal was for a scope of services totaling \$217,700. The Board authorized a contract not-to-exceed \$150,000 and directed staff to prepare a variance for its consideration should additional funds be required. A proposed variance, attached as Exhibit "D", has been prepared to include the additional meetings and financial modeling services requested and will continue to be required of the Aon team in order to complete the retirement and health benefits study. Staff recommends that the Board approve a variance to Aon's Professional Services Agreement for an amount not to exceed \$127,700, bringing the total Aon contract to \$277,700.

FISCAL IMPACTS:

On September 12, 2011, the Board approved an addition of \$335,000 to the FY 2011-12 Operating Budget, and authorized a contract with Aon up to \$150,000 and with Hanson Bridgett up to \$50,000. With the requested variance, the total study costs will not exceed \$327,700. The fiscal impacts of changes, if any, to the retirement and health benefits, will be determined through the course of the study itself.

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:

Elements of the Retirement Study were reviewed by the Board on October 7, 2011, November 28, 2011, and February 22, 2012, and by the Finance and Personnel Committee on November 1 and 22, 2011, February 6, 2012, March 5, 2012 and April 3, 2012.

RECOMMENDATION:

THAT THE BOARD REVIEW AND PROVIDE FEEDBACK REGARDING AON HEWITT'S SUPPLEMENTAL FINANCIAL PROJECTIONS AND MODELING FOR THE DISTRICT'S CALPERS PENSION PROGRAM AND APPROVE PROFESSIONAL SERVICES VARIANCE NO. 1 WITH AON HEWITT IN THE SUM OF \$127,700.

LIST OF EXHIBITS:

- Exhibit "A" – Retirement and Health Benefits Study Project Schedule
- Exhibit "B" – Aon Supplemental Projections
- Exhibit "C" – Aon Supplemental Replacement Analysis
- Exhibit "D" – Professional Services Variance No. 1 with Aon Hewitt

Exhibit "A"



SCHEDULE

Consulting Services to Evaluate Changes to Irvine Ranch Water District's Retirement and Health Benefits Package

Updated March 27, 2012

Request for Proposal Issued	April 20, 2011
Deadline for RSVP to Pre-Proposal Meeting	May 3, 2011
Pre-Proposal Meeting	May 5, 2011
Questions and Additional Documents Provided	May 12, 2011
Proposal Deadline	June 1, 2011
Interviews of Selected Finalists	August 10 and 12, 2011
Finance & Personnel Committee Discussion	August 19, 2011
Finance & Personnel Committee Interviews	August 31, 2011
Board Approval	September 12, 2011
Notice of Award	September 13, 2011
CalPERS census data received	September 22, 2011
Finance & Personnel Committee Meeting (Basic information and assumptions, objectives framework)	October 4, 2011
Board Objective Setting – Strategic Planning Workshop (High level objectives, education on current retirement programs)	October 7, 2011
Finance & Personnel Committee Meeting (Review financial and actuarial models – retirement benefits , begin evaluating alternatives)	November 1, 2011
Finance & Personnel Committee Meeting (Review financial and actuarial models – retirement benefits , additional alternatives)	November 22, 2011
Board Workshop (Set detailed objectives, discuss alternatives)	November 28, 2011
Finance & Personnel Committee Meeting (Review alternatives, review health benefits)	December 6, 2011
Finance & Personnel Committee Meeting (Review health benefits)	January 12, 2012
Special Finance & Personnel Committee Meeting (Continuing discussion from January 12, 2012)	January 23, 2012
Board Workshop – Establish health benefit objectives	January 30, 2012
Board Workshop – Review preliminary recommendations	February 22, 2012
Finance & Personnel Committee Meeting (Review second tier)	March 5, 2012
<hr/>	
Finance & Personnel Committee Meeting (Review supplemental modeling)	April 3, 2012

Schedule: Evaluation of IRWD Retirement and Health Benefits

Page Two

Finance & Personnel Committee Meeting
(Review health benefits, recommend preferred
alternatives)

May 4, 2012

Additional Committee and Board Workshops
Salary and Benefit Survey Methodology and Final Report

TBD – April/May/June
July 2012

*Additional Special Finance & Personnel Committee meeting or Board Workshops may be scheduled as project progresses.

Evaluation of Retirement Benefits Package

Supplemental Projections

Irvine Ranch Water District

March 13, 2012

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To protect the confidential and proprietary information included in this material, it may not be disclosed or provided to any third parties without the approval of Aon Hewitt

AON Hewitt

April 9, 2012
Board of Directors Meeting

Overview

- Supplemental analysis pursuant to February 22, 2012 Board Session
 - Unless noted otherwise, assumptions and plan designs remain unchanged
- “Current” Design updated to capture 5% Employee DB Contributions
- Illustrate lowering ultimate Employee DB Contribution under “New Plan” for existing employees and/or new hires

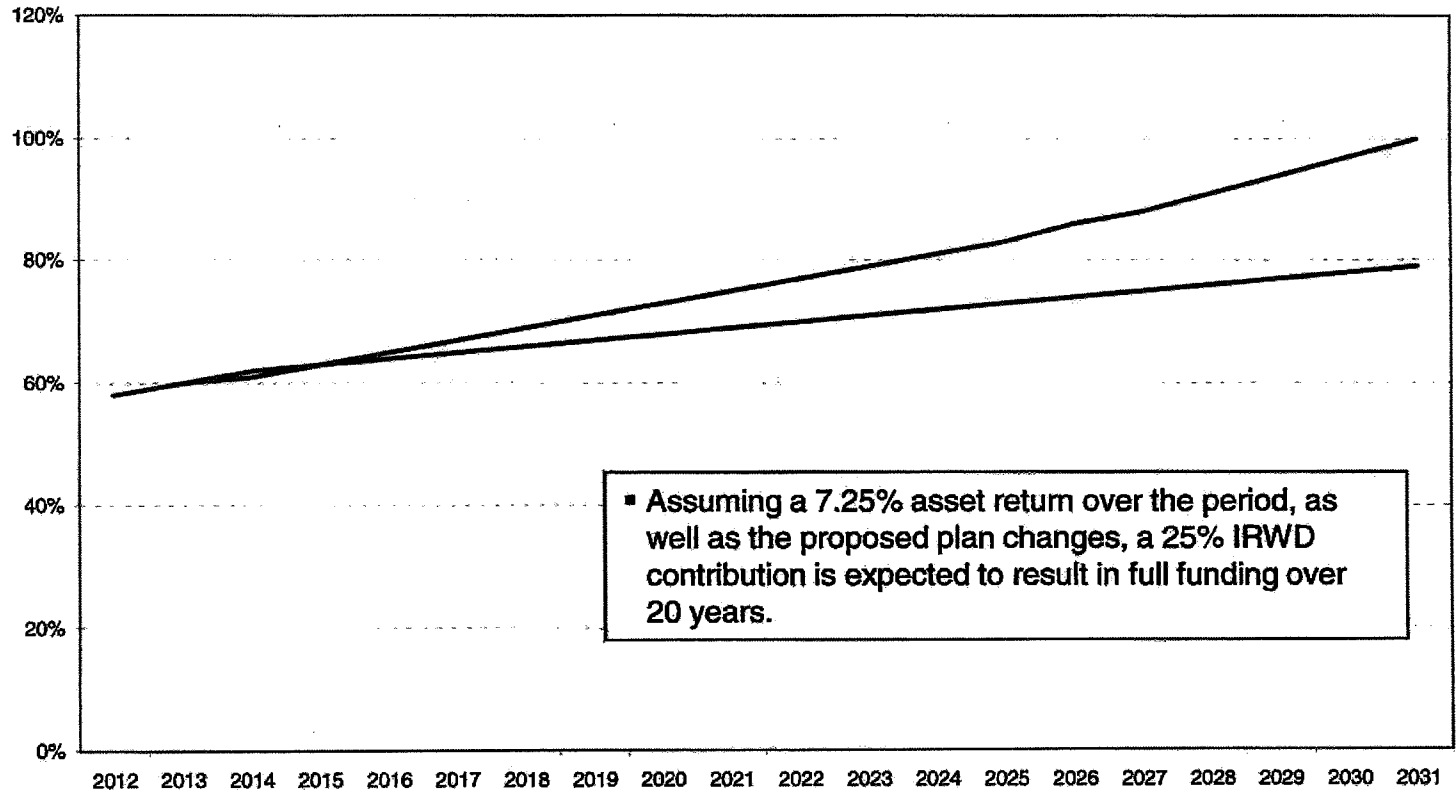
	Current Plan	Proposed Plan (A)	Proposed Plan (B)	Proposed Plan (C)	Proposed Plan (D)
<i>Employee Contributions [Existing / New Hires]</i>					
Year					
- 2012	5.0% / N/A	5.0% / 6.0%	5.0% / 6.0%	5.0% / 6.0%	5.0% / 6.0%
- 2013	5.0% / N/A	6.5% / 7.0%	6.5% / 7.0%	6.5% / 7.0%	6.5% / 6.0%
- 2014	5.0% / N/A	8.0% / 8.0%	8.0% / 8.0%	8.0% / 8.0%	8.0% / 6.0%
- 2015	5.0% / N/A	10.0% / 8.0%	10.0% / 8.0%	8.0% / 8.0%	8.0% / 6.0%
- 2016 +	5.0% / N/A	12.0% / 8.0%	10.0% / 8.0%	8.0% / 8.0%	8.0% / 6.0%

A-9

April 9, 2012
 Board of Directors Meeting

Deterministic Projection (7.25% Asset Return)

Funded Status with Employer Contributions of 25%
(7.25% Asset Return)



Proposed (A)
Described on slide 2.

Current
Updated to reflect 5% employee contributions throughout.

Assuming a 7.25% asset return over the period, as well as the proposed plan changes, a 25% IRWD contribution is expected to result in full funding over 20 years.

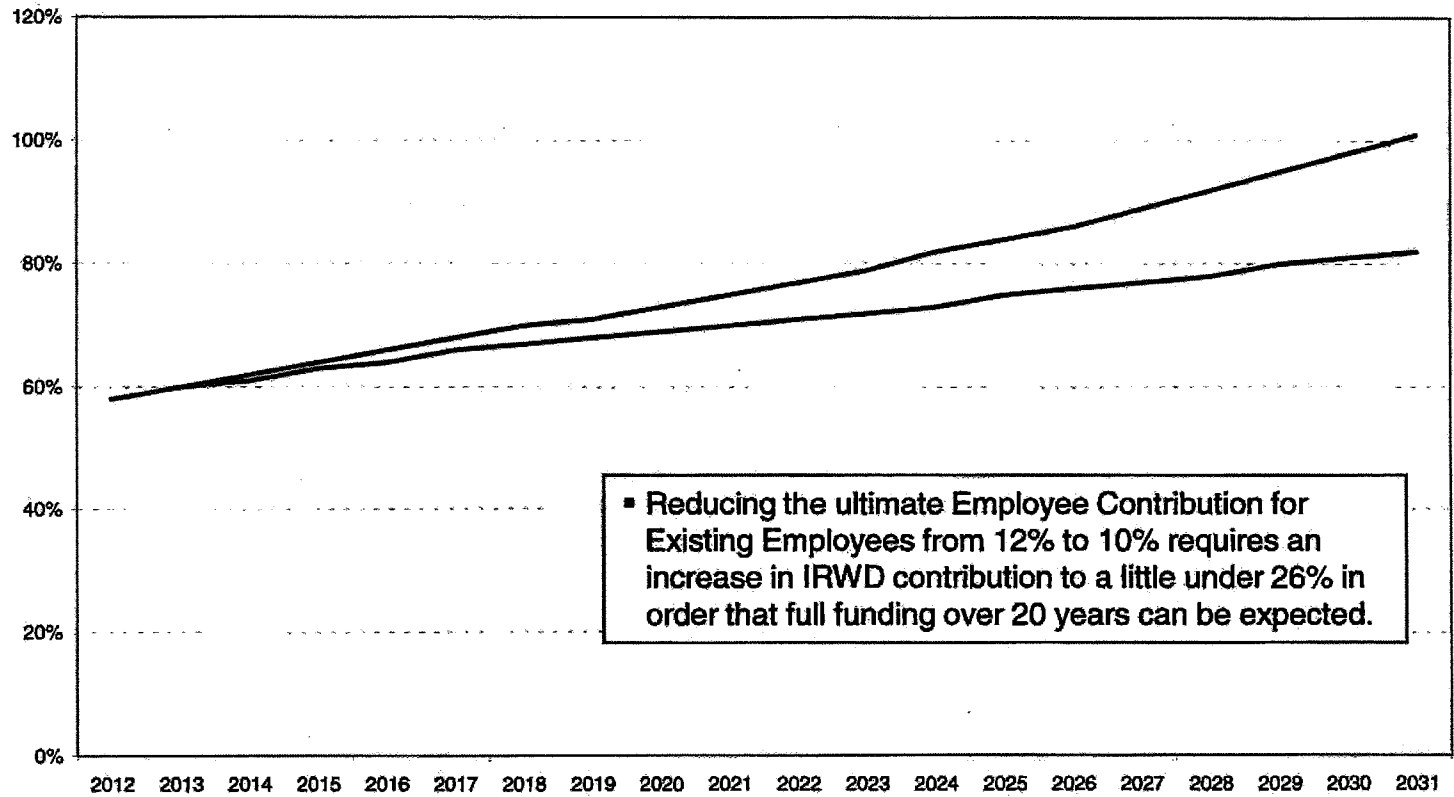
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Current	58%	60%	61%	63%	64%	65%	66%	67%	68%	69%	70%	71%	72%	73%	74%	75%	76%	77%	78%	79%
Proposed A	58%	60%	62%	63%	65%	67%	69%	71%	73%	75%	77%	79%	81%	83%	86%	88%	91%	94%	97%	100%

A-10

April 9, 2012
Board of Directors Meeting

Deterministic Projection (7.25% Asset Return)

Funded Status with Employer Contributions of 26%
(7.25% Asset Return)



Proposed (B)
Described on slide 2.

Current
Updated to reflect 5% employee contributions throughout.

▪ Reducing the ultimate Employee Contribution for Existing Employees from 12% to 10% requires an increase in IRWD contribution to a little under 26% in order that full funding over 20 years can be expected.

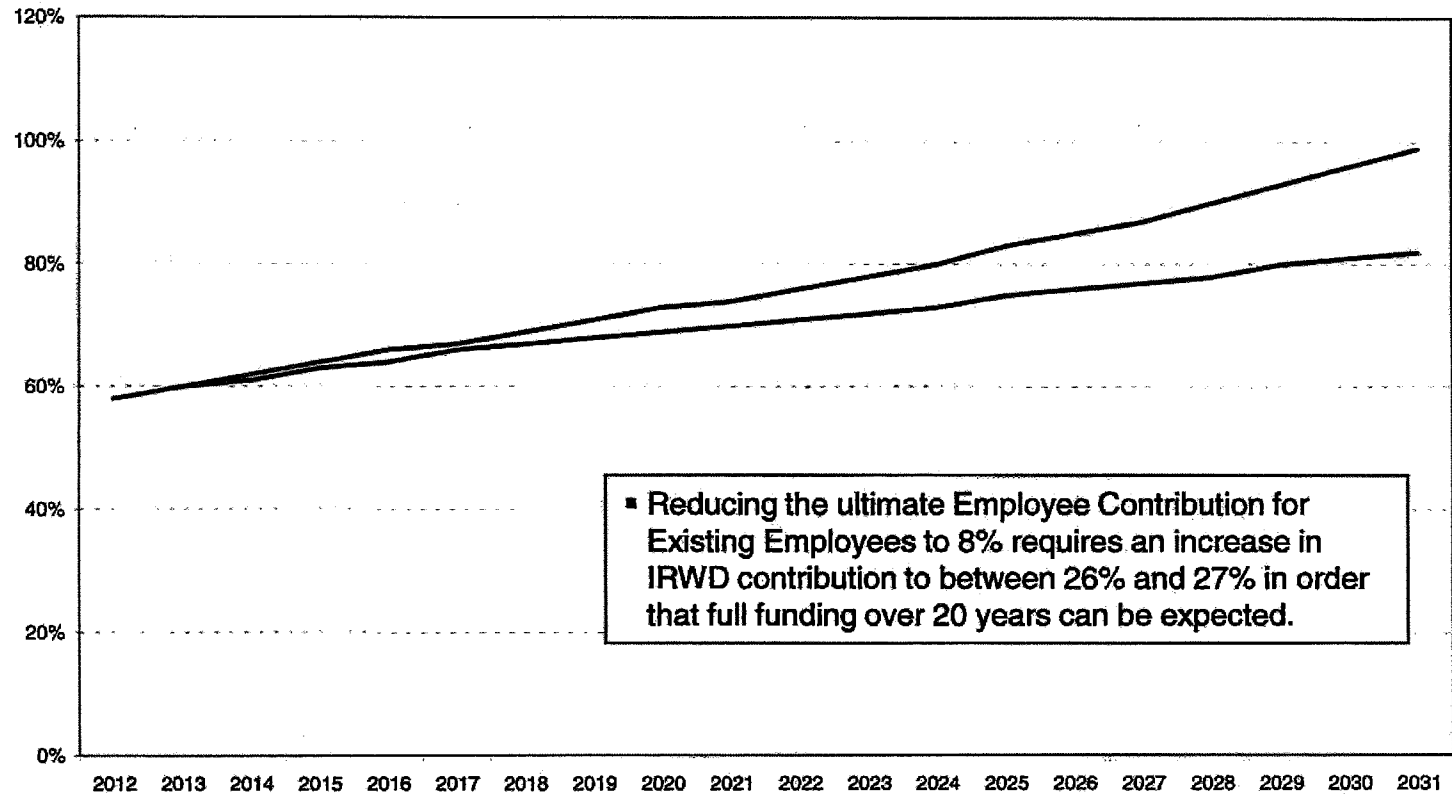
— Proposed Plan B — Current

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Current	58%	60%	61%	63%	64%	66%	67%	68%	69%	70%	71%	72%	73%	75%	76%	77%	78%	80%	81%	82%
Proposed B	58%	60%	62%	64%	66%	68%	70%	71%	73%	75%	77%	79%	82%	84%	86%	89%	92%	95%	98%	101%

A-11

Deterministic Projection (7.25% Asset Return)

Funded Status with Employer Contributions of 26%
(7.25% Asset Return)



Proposed (C)
Described on slide 2.

Current
Updated to reflect 5% employee contributions throughout.

▪ Reducing the ultimate Employee Contribution for Existing Employees to 8% requires an increase in IRWD contribution to between 26% and 27% in order that full funding over 20 years can be expected.

— Proposed Plan C — Current

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Current	58%	60%	61%	63%	64%	66%	67%	68%	69%	70%	71%	72%	73%	75%	76%	77%	78%	80%	81%	82%
Proposed C	58%	60%	62%	64%	66%	67%	69%	71%	73%	74%	76%	78%	80%	83%	85%	87%	90%	93%	96%	99%

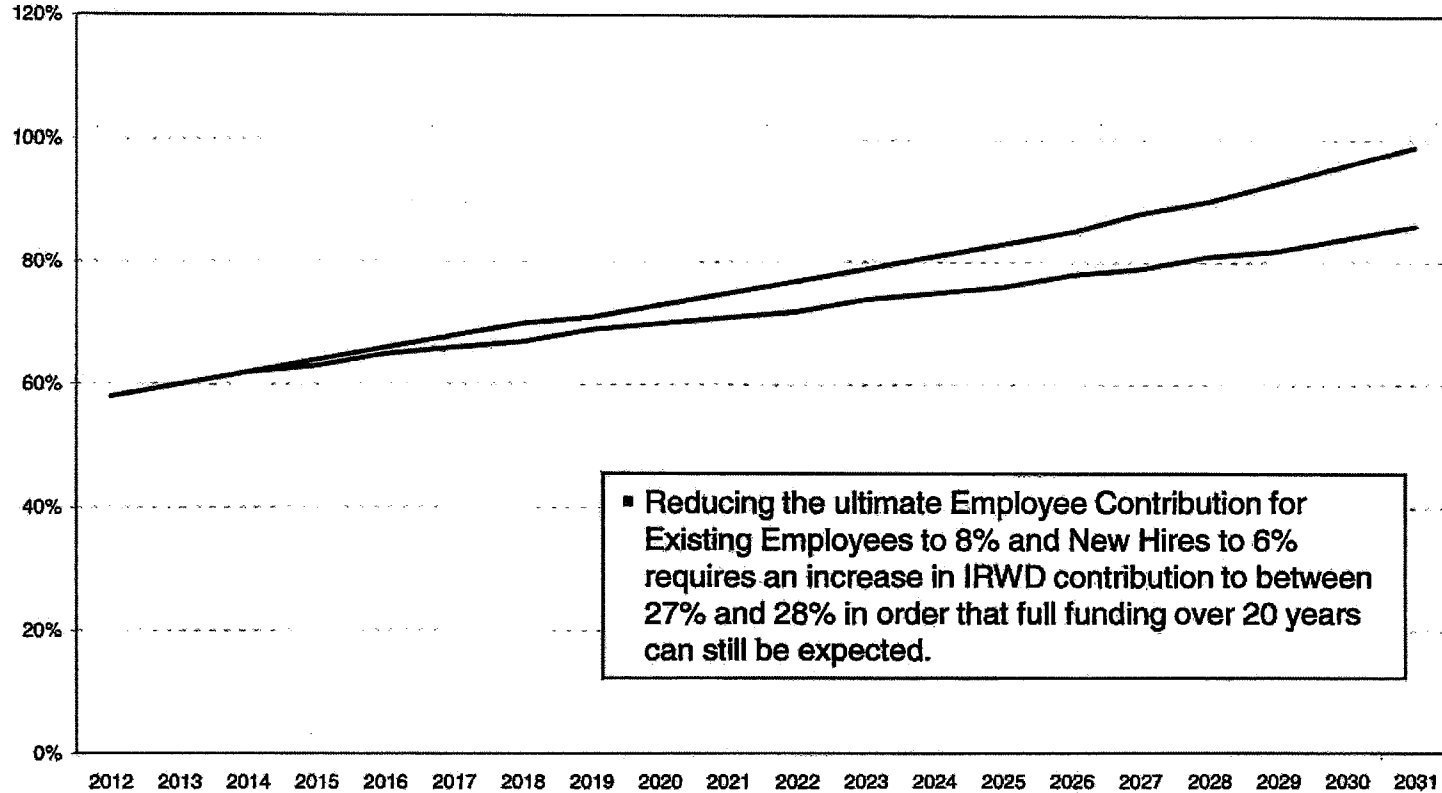


A-12

April 9, 2012
Board of Directors Meeting

Deterministic Projection (7.25% Asset Return)

Funded Status with Employer Contributions of 27%
(7.25% Asset Return)



Proposed (D)
Described on slide 2.

Current
Updated to reflect 5% employee contributions throughout.

▪ Reducing the ultimate Employee Contribution for Existing Employees to 8% and New Hires to 6% requires an increase in IRWD contribution to between 27% and 28% in order that full funding over 20 years can still be expected.

— Proposed Plan D — Current

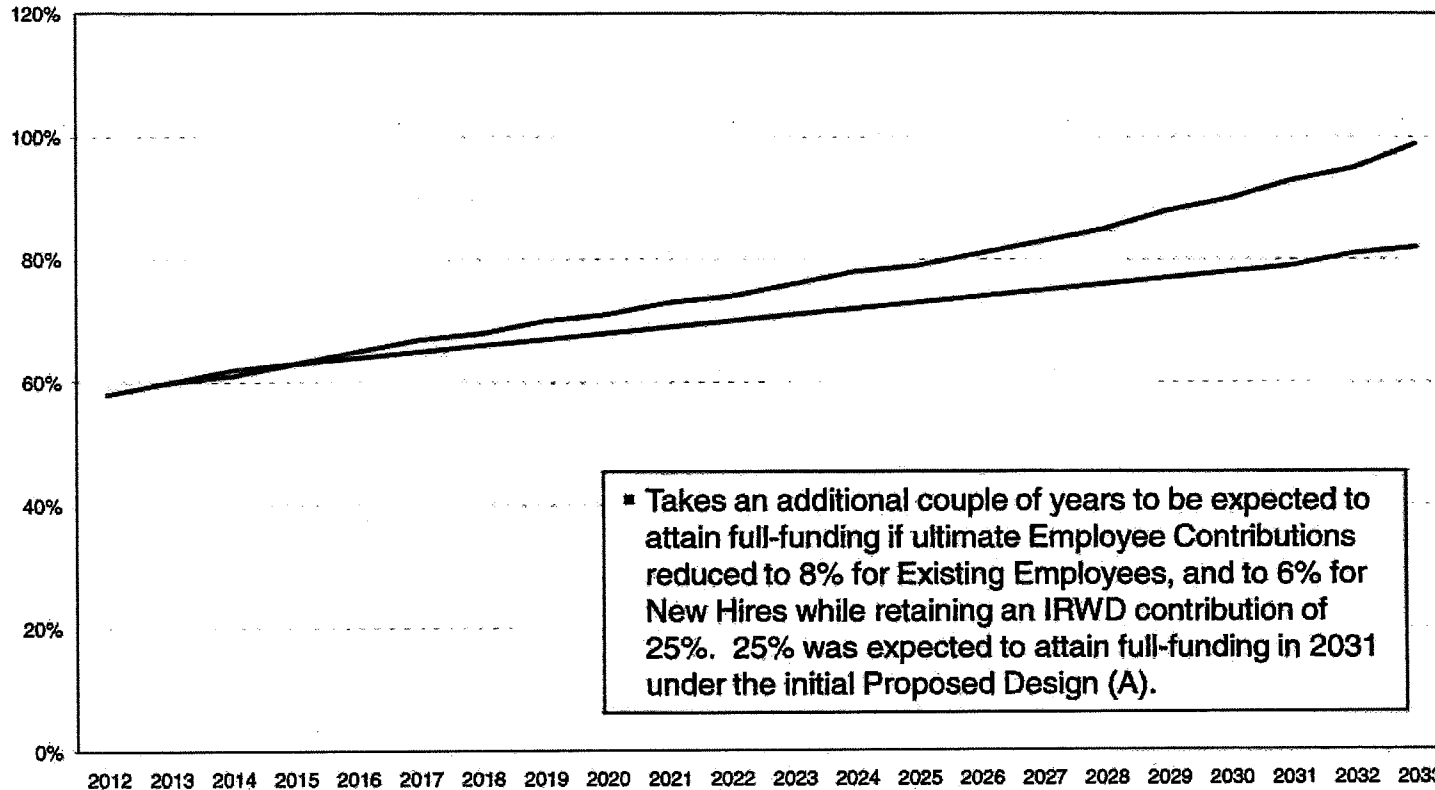
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Current	58%	60%	62%	63%	65%	66%	67%	69%	70%	71%	72%	74%	75%	76%	78%	79%	81%	82%	84%	86%
Proposed D	58%	60%	62%	64%	66%	68%	70%	71%	73%	75%	77%	79%	81%	83%	85%	88%	90%	93%	96%	99%

A-13

April 9, 2012
Board of Directors Meeting

Deterministic Projection (7.25% Asset Return)

Funded Status with Employer Contributions of 25%
(7.25% Asset Return)



Proposed (D)
Described on slide 2.

Current
Updated to reflect 5%
employee contributions
throughout.

▪ Takes an additional couple of years to be expected to attain full-funding if ultimate Employee Contributions reduced to 8% for Existing Employees, and to 6% for New Hires while retaining an IRWD contribution of 25%. 25% was expected to attain full-funding in 2031 under the initial Proposed Design (A).

Full funding under Proposal D takes 2-3 years longer than Proposal A (per slide 3)

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Current	58%	60%	61%	63%	64%	65%	66%	67%	68%	69%	70%	71%	72%	73%	74%	75%	76%	77%	78%	79%	81%	82%
Proposed D	58%	60%	62%	63%	65%	67%	68%	70%	71%	73%	74%	76%	78%	79%	81%	83%	85%	88%	90%	93%	95%	99%

A-14

April 9, 2012
Board of Directors Meeting



Conclusions

- Each 2% decrease in the ultimate employee contribution for existing employees increases the employer contribution by a little under 1% (for 20 years)
 - There is not a 1% for 1% tradeoff because of the projected transition of the workforce to the new plan (IRWD contribution are in terms of total payroll)

The original draft design incorporated a 4% delta between employee contributions required by existing and new employees.

This was done to acknowledge the difference in the value of the two formula and to facilitate potentially offering choice to existing employees in the future.

A-15

Projection Methods and Assumptions

- Past benefits under current program; Options affect future benefits only
- Compensation increases – CalPERS
 - <5 years, ~6%-14% / year
 - >5 years, ~3%-5% / year
- Termination of employment – CalPERS
 - <5 years, ~7%-16% / year
 - >5 years, ~0%-5% / year
- Retirement age – CalPERS
 - 2.5% @ 55, average ~59
 - 2.0% @ 60 and 2.0% @ 65, average ~61
- Constant active population – new entrants replace exiting employees

A-16

April 9, 2012
Board of Directors Meeting

Projections

- **Funded status projections:**
 - Roll forward CalPERS June 30, 2010 valuation results
 - Assumes all assumptions are realized
 - No changes in assumptions outlined in CalPERS valuation report unless noted
 - Assets projections assume rebalance to targets at July 1
 - Asset returns based on returns on market indices over same period

- **Retirement income projections:**
 - 3.5% pay increase
 - 7.0% return on defined contribution accounts
 - 6.0% annuity conversion rate
 - 2.0% COLA adjustment post-retirement
 - Assumes employees contribute enough to receive full employer match; employee contributions taken into account in projected retirement income

A-17

Evaluation of Retirement Benefits Package

Supplemental Replacement Income Analysis

Irvine Ranch Water District

March 19, 2012

A-18

April 9, 2012
Board of Directors Meeting

To protect the confidential and proprietary information included in this material, it may not be disclosed or provided to any third parties without the approval of Aon Hewitt



Overview

- Supplemental analysis pursuant to February 22, 2012 Board Session
 - Unless noted otherwise, assumptions and plan designs remain unchanged
- “Current” Design updated to capture 5% Employee DB Contributions
- Illustrates lowering ultimate Employee DB Contribution under “New Plan” for existing employees while removing DC Match
 - While this change may appear cost-neutral, because take-up in the DC plan does not generate an aggregate 3% match, the change would likely result in higher IRWD costs

A-19

April 9, 2012
Board of Directors Meeting

Income Replacement – Hired at Age 30

	Original Strawman		
	Current Plan	Existing Employees	Future Hires
Age 55 Retirement			
- Employer-paid	62%	47% - 56%	23%
- Employee-paid	<u>14%</u>	<u>30% - 21%</u>	<u>27%</u>
- Total Replacement	77%	77%	50%
Age 62 Retirement			
- Employer-paid	80%	48% - 72%	50%
- Employee-paid	<u>25%</u>	<u>57% - 33%</u>	<u>45%</u>
- Total Replacement	105%	105%	95%
Age 65 Retirement			
- Employer-paid	87%	45% - 78%	57%
- Employee-paid	<u>31%</u>	<u>74% - 41%</u>	<u>56%</u>
- Total Replacement	119%	119%	113%
	2.5% @ 55 DB Employee = 3% DC = 100% Match on 3%	2.5% @ 55 Ultimate Employee DB = 12% DC = 100% on 3%	2.0% @ 60 DB Employee = 8% DC = 100% Match on 3%

A-20

April 9, 2012
Board of Directors Meeting

Income Replacement – Hired at Age 30

	Revised Strawman		
	Current Plan	Existing Employees	Future Hires
Age 55 Retirement			
- Employer-paid	58% - 62%	41% - 62%	23%
- Employee-paid*	<u>19% - 14%</u>	<u>29% - 14%</u>	<u>27%</u>
- Total Replacement	77%	70% - 77%	50%
Age 62 Retirement			
- Employer-paid	72% - 80%	43% - 80%	50%
- Employee-paid*	<u>33% - 25%</u>	<u>49% - 25%</u>	<u>45%</u>
- Total Replacement	105%	92% - 105%	95%
Age 65 Retirement			
- Employer-paid	77% - 87%	41% - 87%	57%
- Employee-paid*	<u>42% - 31%</u>	<u>62% - 31%</u>	<u>56%</u>
- Total Replacement	119%	103% - 119%	113%
	2.5% @ 55 Ultimate Employee DB = 5% DC = 100% Match on 3%	2.5% @ 55 Ultimate Employee DB = 9% DC = No Match on 3%	2.0% @ 60 DB Employee = 8% DC = 100% Match on 3%

*Assumes a consistent 3% deferred comp contribution by employees, regardless of whether match is present.

Conclusions

- **Move to 5% Employee DB Contributions under “Current” Design**
 - No impact to total benefit
 - Range of cost-sharing proportions (employees hired recently will pay 5% for much more of their career than longer-service counterparts)

- **Lowering ultimate Employee DB Contribution under “New Plan” for existing employees while removing DC Match**
 - Recently hired have no match for most of career and get lower total replacement
 - Such employees could end up paying proportionately more for a lower benefit
 - Not cost neutral due to less than 100% utilization of 3% match (see slide 2)
 - Highlights the importance of internal consistency between the designs and for developing a robust transition strategy for existing workforce to identify groups

A-22

Projections

- **Funded status projections:**
 - Roll forward CalPERS June 30, 2010 valuation results
 - Assumes all assumptions are realized
 - No changes in assumptions outlined in CalPERS valuation report unless noted
 - Assets projections assume rebalance to targets at July 1
 - Asset returns based on returns on market indices over same period

- **Retirement income projections:**
 - 3.5% pay increase
 - 7.0% return on defined contribution accounts
 - 6.0% annuity conversion rate
 - 2.0% COLA adjustment post-retirement
 - Assumes employees contribute enough to receive full employer match; employee contributions taken into account in projected retirement income

A-23

**IRVINE RANCH WATER DISTRICT
PROFESSIONAL SERVICES VARIANCE**

Exhibit "D"

Project Title: RETIREMENT & BENEFITS STUDY

File No. N/A

Date:

Variance No.: 1

Project No.: N/A – FUNDED BY OPERATIONS

Purchase Order No.: 505232

Originator: IRWD ENGINEER/CONSULTANT Other (Explain)

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

Original budget of \$217,000 was underfunded. Board/staff has added additional meetings and scope to retirement study aspects of work.

Cost Impact:

Classification	Labor \$	Direct	Subcon. \$	Total \$
Remaining from Original Scope of Work				
Retirement	\$37,160			\$67,700
Health Benefits	\$19,840			
Salary & Benefit Survey Methodology	\$10,700			
Additional analysis on retirement contribution options and funding status; ~4 additional meetings	\$35,000			\$35,000
Recalculation of PERS reports after 2 nd tier implemented; update projected funding needs	\$15,000			\$15,000
Miscellaneous other activities as requested, communications support	\$10,000			\$10,000
Total \$ =				\$127,700

Schedule Impact:

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule

Required Approval Determination:

Total Original Contract	\$150,000	[] General Manager: Single Variance less than or equal to \$30,000.
Previous Variances \$0		
This Variance	\$127,700	[] Committee: Single Variance greater than \$30,000, and less than or equal to \$60,000.
Total Sum of Variances	\$127,700	[x] Board: Single Variance greater than \$60,000.
New Contract Amount	\$277,700	
Percentage of Total Variances to Original Contract	85 %	[] Board: Cumulative total of Variances greater than \$60,000, or 30% of the original contract, whichever is higher.

ENGINEER/CONSULTANT: _____
Company Name

IRVINE RANCH WATER DISTRICT

Project Engineer/Manager _____ Date _____

Department Director _____ Date _____

Engineer's/Consultant's Management _____ Date _____

General Manager/Comm./Board _____ Date _____

Retirement Benefits Workshop

Board Workshop
April 23, 2012

Irvine Ranch Water District



EXHIBIT "B"



Agenda

Irvine Ranch Water District

Board Workshop Agenda

- Review “strawman” and modeling of alternative plans from the April 9, 2012 Board Workshop.
- Discuss impacts to modeling results resulting the following adjustments:
 - Second tier employees’ contribution rate changed from 6% to 7%.
 - District’s contribution to include some Employer-Paid Member Contributions (EPMC) during FY 2012-13 and FY 2013-14 as the EPMC is phased out.
- Identification of the Board-preferred alternative for the employee retirement benefit plan.



Modeled Alternatives

Irvine Ranch Water District

At the April 9, 2012 Workshop, Aon Hewitt presented a sensitivity analysis of Plans A to D; Plan D-1 is updated to include the 7% employee contribution for future employees.

	Proposed Plan A (Strawman)	Proposed Plan B	Proposed Plan C	Proposed Plan D	Proposed Plan D-1
Employee Contributions [Existing/New Hires]					
- 2012	5.0% / 6.0%	5.0% / 6.0%	5.0% / 6.0%	5.0% / 6.0%	5.0% / 7.0%
- 2013	6.5% / 7.0%	6.5% / 7.0%	6.5% / 7.0%	6.5% / 6.0%	6.5% / 7.0%
- 2014	8.0% / 8.0%	8.0% / 8.0%	8.0% / 8.0%	8.0% / 6.0%	8.0% / 7.0%
- 2015	10.0% / 8.0%	10.0% / 8.0%	8.0% / 8.0%	8.0% / 6.0%	8.0% / 7.0%
- 2016 +	12.0% / 8.0%	10.0% / 8.0%	8.0% / 8.0%	8.0% / 6.0%	8.0% / 7.0%
Annual Level Employer Contribution over 20 years (DB)	25.0%	25.6%	26.2%	27.2%	25.2%**
Employer Match* (DC)	2.7%	2.7%	2.7%	2.7%	2.7%
Total Employer	27.7%	28.3%	28.9%	29.9%	27.9%
Time to fully fund pension liability	20 years	20 years	20 years	20 years	21 years

* Match set at 3.0%, but not all employees take advantage of full match.

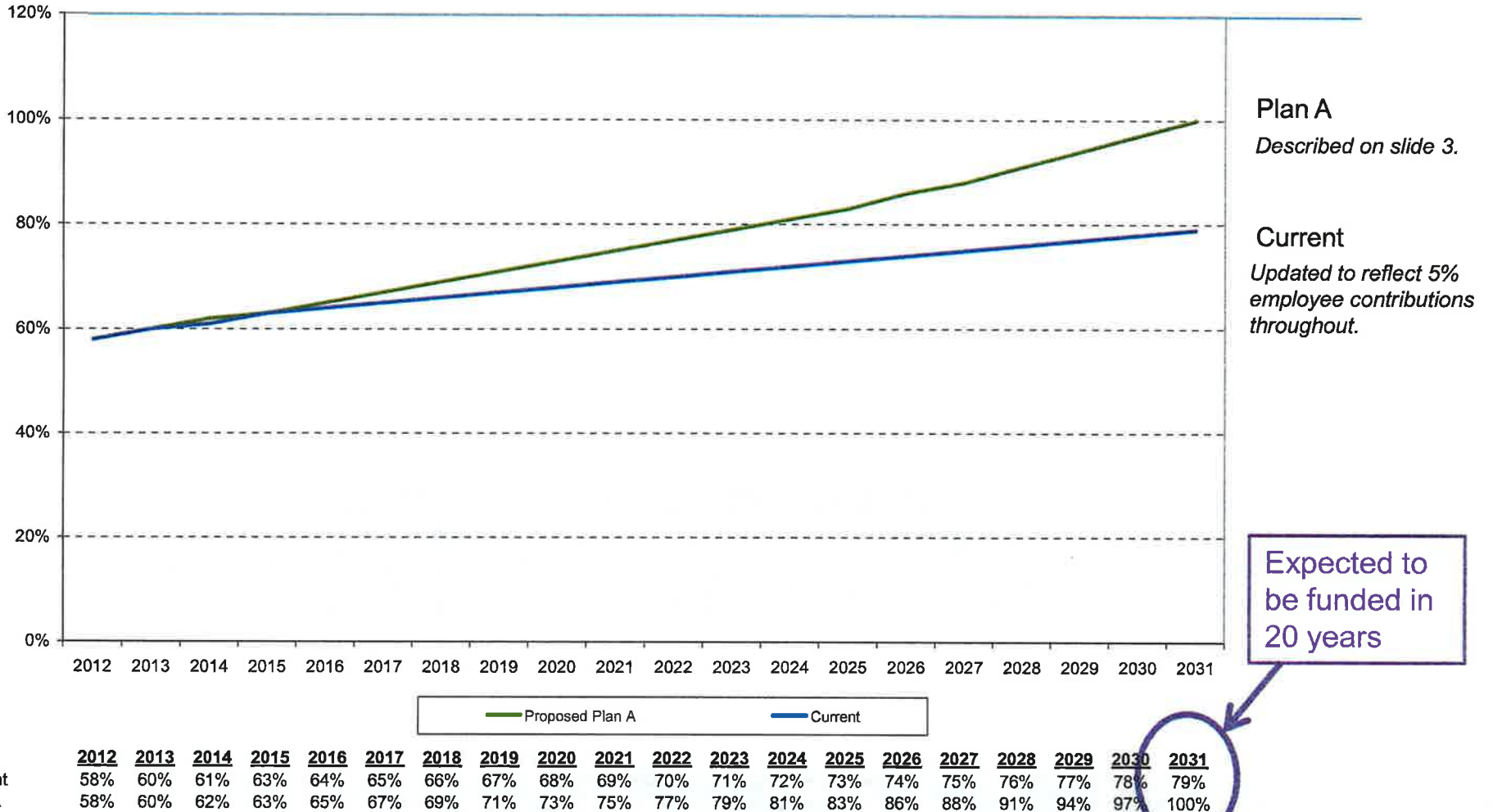
** Plans A through D targeted employer contribution being fully fund in 20 years; Plan D-1 assumes a level 25% District pension contribution beyond years 1 and 2.



Projection: Plan A

Irvine Ranch Water District

Funded Status with Employer Contributions of 25% (7.25% Asset Return)

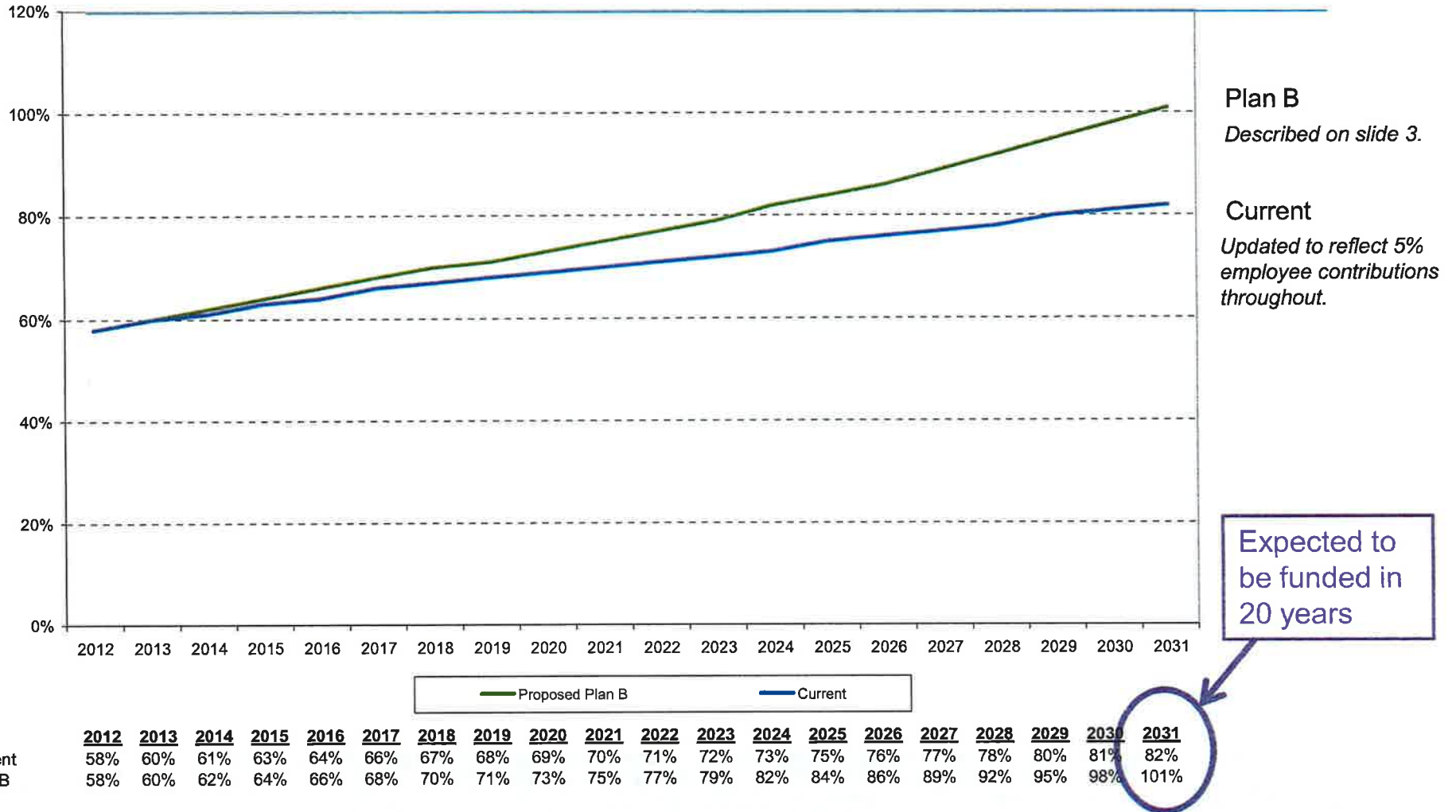




Projection: Plan B

Irvine Ranch Water District

**Funded Status with Employer Contributions of 26%
(7.25% Asset Return)**

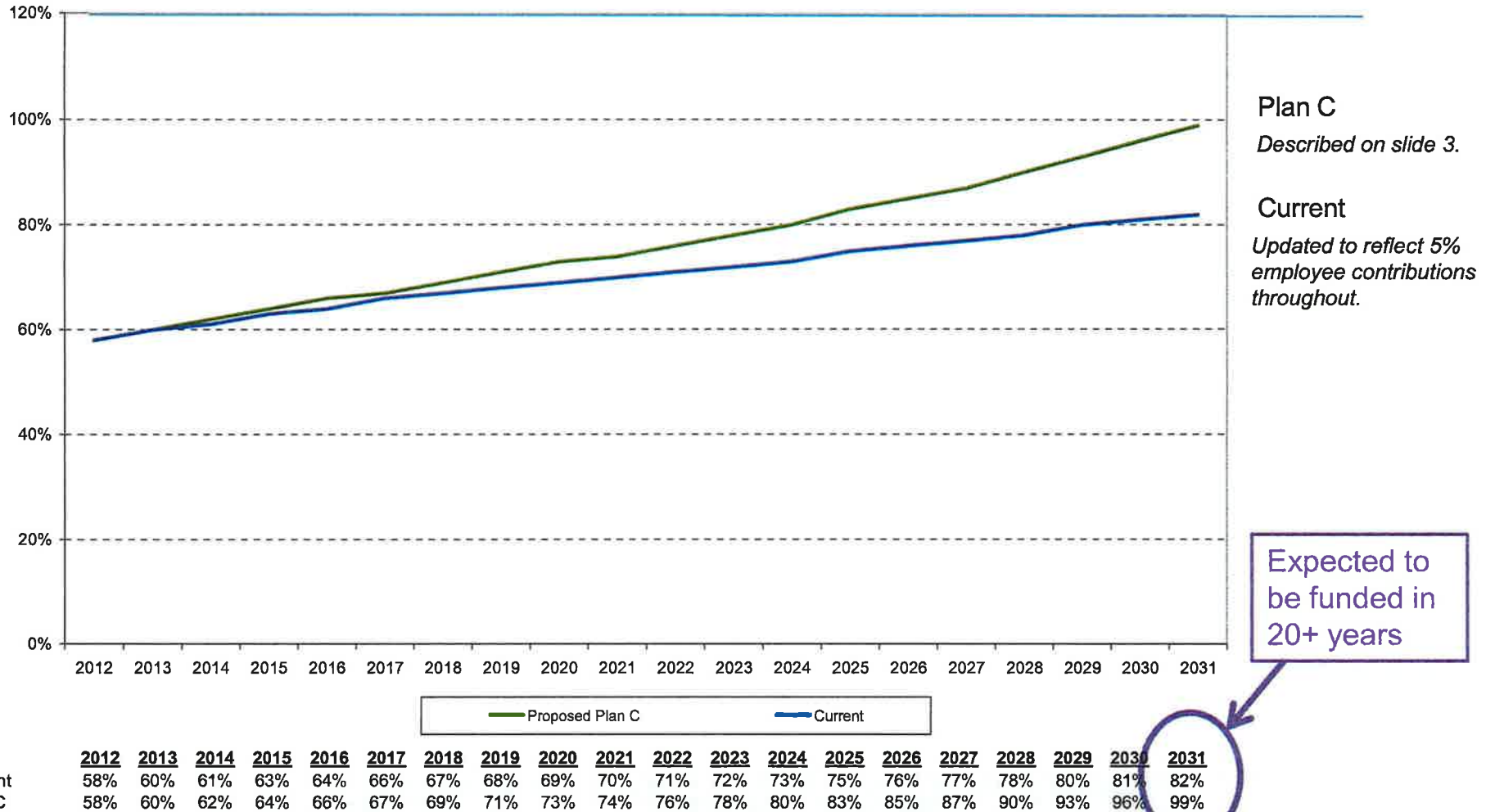




Projection: Plan C

Irvine Ranch Water District

Funded Status with Employer Contributions of 26% (7.25% Asset Return)

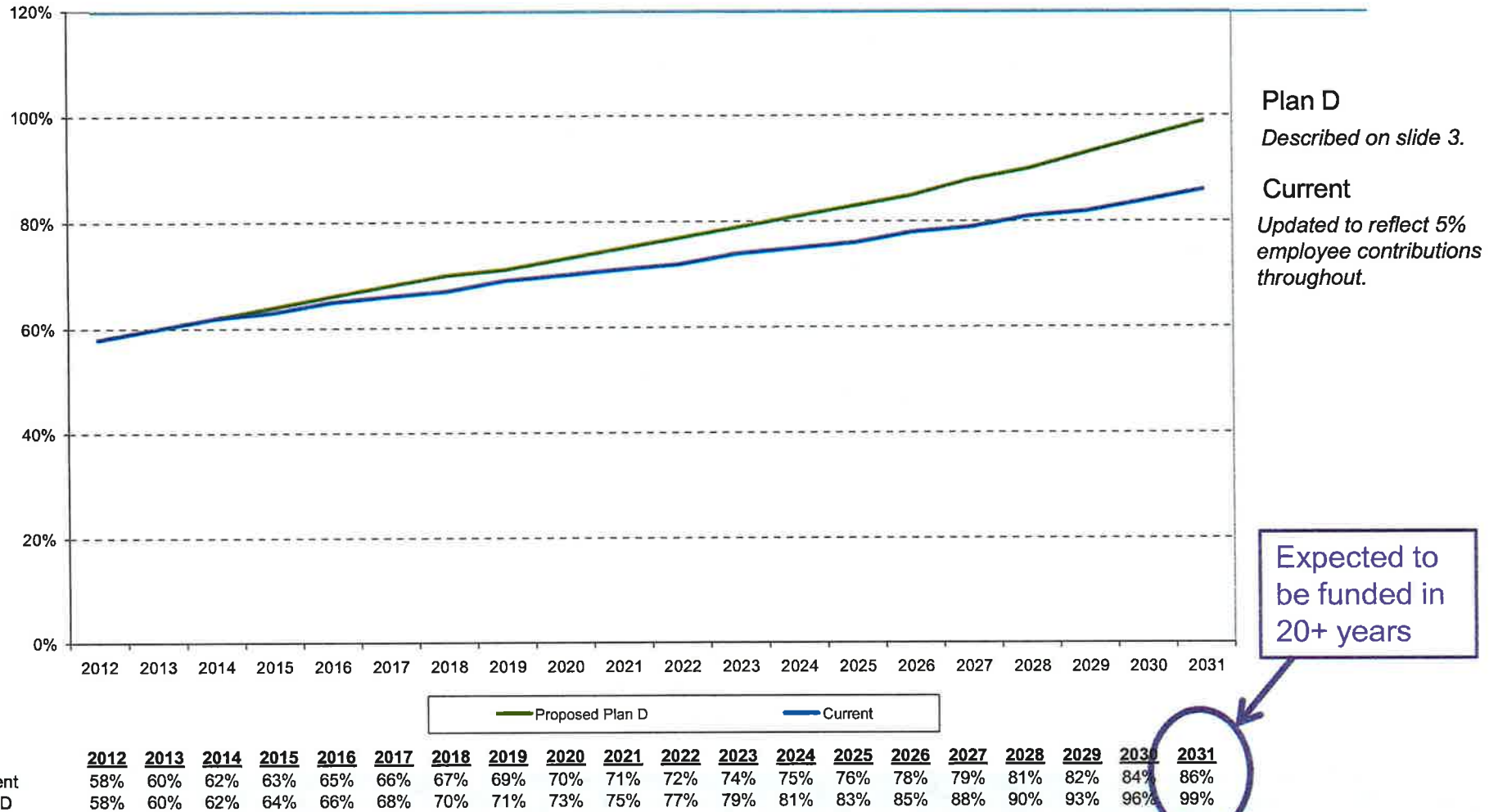




Projection: Plan D

Irvine Ranch Water District

Funded Status with Employer Contributions of 27% (7.25% Asset Return)

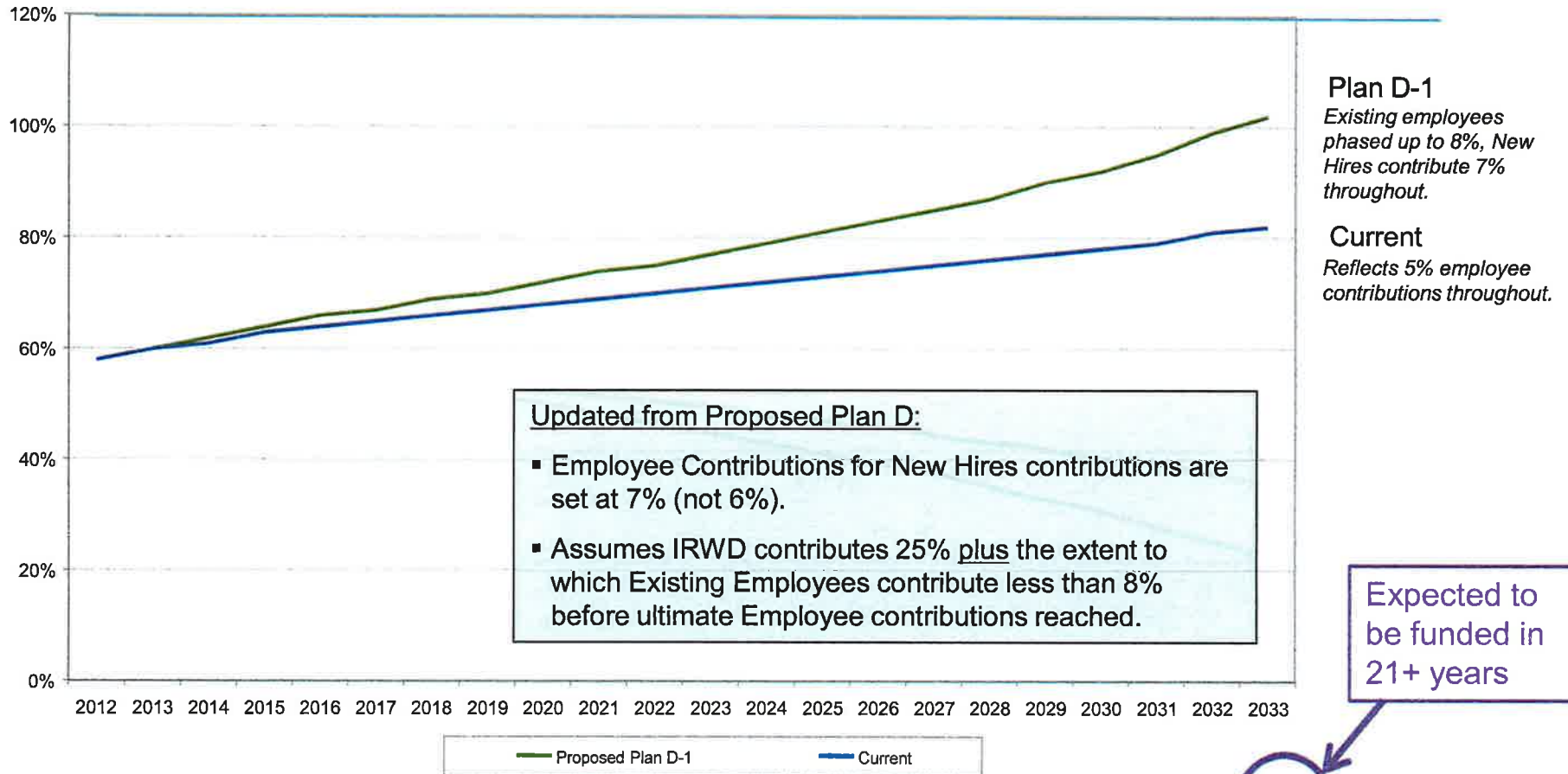




Projection: Plan D-1

Irvine Ranch Water District

Funded Status with Ultimate Employer Contributions of 25% (7.25% Asset Return)



Updated from Proposed Plan D:

- Employee Contributions for New Hires contributions are set at 7% (not 6%).
- Assumes IRWD contributes 25% plus the extent to which Existing Employees contribute less than 8% before ultimate Employee contributions reached.

Expected to be funded in 21+ years

	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Current	58%	60%	61%	63%	64%	65%	66%	67%	68%	69%	70%	71%	72%	73%	74%	75%	76%	77%	78%	79%	81%	82%
Plan D-1	58%	60%	62%	64%	66%	67%	69%	70%	72%	74%	75%	77%	79%	81%	83%	85%	87%	90%	92%	95%	99%	102%



Board Discussion

Irvine Ranch Water District

Observations about Proposed Alternatives and Study Process:

1. Projected period required to fully fund the District's pension liability does not vary significantly among the proposed plans.
2. District contributions under the proposed alternatives vary only slightly, while impact to employee take-home pay varies significantly between alternatives.
3. FY 2012-13 Operating Budget contemplates a District contribution rate of 25% employer contribution, roughly 3% employer-paid member contribution through March 1, 2013, then 2% through balance of fiscal year, and a 3% match to 401(a) savings plan*.
4. Employees have expressed a strong desire for more certainty about what they can expect regarding:
 - The District's continued 3% matching contributions to the 401(a) savings plan,
 - The level of future pension contributions, and
 - The timing and extent of any future changes.

* Match set at 3.0%, but not all employees take advantage of full match; budgeted at 2.75% of salary costs District-wide.



Next Steps

Irvine Ranch Water District

Date	Actions
TBD	Employee All-Hands Meetings: Discuss Preferred Alternative
May 21, 2012	Adopt 2 nd Tier pension benefits for future employees
May 4, 2012	Finance & Personnel: Discuss Health Benefits
May 21, 2012	Board: Discuss Health Benefits preferred direction
June/July, 2012	Salary & Benefits Survey Methodology Development



QUESTIONS / DISCUSSION

April 23, 2012

Prepared and

Submitted by: L. Bonkowski

Approved by: P. Cook



CONSENT CALENDAR

MINUTES OF REGULAR BOARD MEETING

SUMMARY:

Provided are the minutes of the April 9, 2012 Regular Board Meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE APRIL 9, 2012 REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – April 9, 2012 Regular Board Meeting

EXHIBIT "A"

MINUTES OF REGULAR MEETING –APRIL 9, 2012

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President Matheis on April 9, 2012 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

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

Directors Absent: None

Also Present: General Manager Cook, Executive Director of Operations Pedersen, Executive Director of Engineering and Planning Burton, Executive Director of Finance Cherney, Executive Director of Water Policy Heiertz, Secretary Bonkowski, Legal Counsel Arneson, Director of Water Resources Weghorst, Treasurer Jacobson, Director of Administrative Services Mossbarger, Director of Water Operations Posey, Director of Public Affairs Beeman, Assistant Director of Water Policy Sanchez, Ms. Kirsten McLaughlin, Ms. Gretchen Maswadeh, Mr. Yannick Gagne, Mr. Ken Al-Imam, Mr. Jim Reed and other members of the public and staff.

WRITTEN COMMUNICATION: None.

ORAL COMMUNICATION:

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

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

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

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

Directors Absent: None

Also Present: General Manager Cook, Executive Director of Operations Pedersen, Executive Director of Engineering and Planning Burton, Executive Director of Finance Cherney, Executive Director of Water Policy Heiertz, Secretary Bonkowski, Legal Counsel Arneson, Director of Water Resources Weghorst, Treasurer Jacobson, Director of Administrative Services Mossbarger, Director of Water Operations Posey, Director of Public Affairs Beeman, Assistant Director of Water Policy Sanchez, Ms. Kirsten McLaughlin, Ms. Gretchen Maswadeh, Mr. Yannick Gagne, Mr. Ken Al-Imam, Mr. Jim Reed and other members of the public and staff.

WRITTEN COMMUNICATION: None.

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with the City of Anaheim (Anaheim) and Yorba Linda Water District (YLWD) on their most recent annexation requests and has reinitiated the annexation process with OCWD. IRWD, YLWD and Anaheim have negotiated a joint MOU with OCWD to process and conduct environmental analysis of the annexation requests. The MOU was approved by the OCWD Board on July 21, 2010. This was confirmed by Mr. Cook.

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

ITEMS RECEIVED TOO LATE TO BE AGENDIZED: None.

WORKSHOP

FISCAL YEAR 2012-13 OPERATING BUDGET AND PROPOSED RATES AND CHARGES

Using a PowerPoint presentation, Executive Director of Finance Cherney provided an overview of the proposed Operating Budget and proposed rates. Ms. Cherney reviewed the schedule for the budget and rate adoption and noted the format changes for this year's budget which has been reorganized under six major functional areas. Using a chart, she said that the proposed budget is \$111.3 million, representing an increase of \$3.8 million, or 3.5%, over FY 2011-12. She said that the budget assumes that revenues will be relatively flat overall prior to application of any rate increase. She reviewed expenses for major changes including the change in labor at \$955,000; benefit change at \$683,000; water purchases at (\$1,066,000), chemicals at \$206,000, energy at \$712,000; repairs and maintenance at \$1,022,000; fuel at \$137,000; data processing at \$227,000; and conservation at \$379,000. In response to Director Swan's request, staff will provide detailed capital and operation costs for the Wells 21 and 22 project. Ms. Cherney then reviewed revenues and expenses along with the proposed rate adjustments for the District's three rate areas: Irvine Ranch, Los Alisos, and Orange Park Acres. She said that as a follow-up to inquiries at the Finance and Personnel Committee on April 3, 2012, modeling was provided on two items including: 1) impact analysis on the potential elimination of the District's 401(a) contribution (match up to 3%); and 2) Metropolitan Water District's rate increases expected on January 1, 2013. There being no further discussion, Ms. Cherney said that the second Board workshop is scheduled for Monday, April 23, 2012.

CONSENT CALENDAR

On MOTION by LaMar, seconded and unanimously carried, CONSENT CALENDAR ITEMS 4 THROUGH 7 WERE APPROVED AS FOLLOWS:

CONSENT CALENDAR (CONTINUED)

4. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the March 26, 2012 Regular Board Meeting be approved as presented.

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

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

6. 2012 STATE LEGISLATIVE UPDATE

Recommendation: That the Board take a SUPPORT position on SB 1090 (Senate Governance and Finance Committee), AB 2069 (Solorio), AB 2595 (Hall), and an OPPOSE position on AB 2000 (Huber), AB 2421 (Berryhill), SB 1340 (LaMalfa), and the State Board's 2010 Delta Flow Criteria.

7. SUPPORT FOR LAFCO SPECIAL DISTRICT REPRESENTATIVE CANDIDATE AND DIRECTOR OF CALIFORNIA DEPARTMENT OF WATER RESOURCES APPOINTMENT

Recommendation: That the Board support the nomination of Mr. Charley Wilson for the LAFCO Regular Special District seat representative, support the confirmation of Mr. Mark Cowin as Director of the California Department of Water Resources, and designate Mary Aileen Matheis to vote in the LAFCO election on behalf of IRWD and Steve LaMar as the alternate voting member.

ACTION CALENDAR

RETIREMENT STUDY UPDATE: SUPPLEMENTAL PROJECTIONS AND PROFESSIONAL SERVICES VARIANCE FOR AON HEWITT

General Manager Cook reported that as a continuation of the Board workshop discussion on February 22, 2012, consultants from Aon Hewitt (Aon) have prepared a set of supplemental financial projections for the funding of the District's CalPERS pension program using a variety of differing contribution rates. These projections reflect the additional employee contributions being made as of March 1, 2012 as well as an assumed discount rate of 7.25%. Staff is requesting direction from the Board regarding the identification of a preferred alternative decision for the retirement plan for IRWD employees.

Executive Director of Finance Cherney reported that Aon's initial proposal was for a scope of services totaling \$217,700 and that the Board authorized a contract not to exceed \$150,000, and directed staff to prepare a variance for its consideration should additional funds be required. She said that additional meetings and financial modeling services have been required and will continue to be required of the Aon team in order to complete the retirement and health benefits

study. She said that staff recommends that the Board approve a variance on a time and materials basis not to exceed \$127,700, bringing the total Aon Professional Services Agreement to \$277,700.

Using a PowerPoint presentation, Mr. Yannick Gagne provided an evaluation of the retirement benefits package. Using a chart, he reviewed a deterministic projection summary which showed the extent to which larger projected annual employer contributions would be necessary to achieve 100% funding within 20 years if ultimate employee contributions are lowered compared to the original *Strawman* design. He then reviewed an income replacement slide showing the impacts of eliminating a deferred compensation match. In response to Director Reinhart's inquiry, Mr. Yannick said that he will provide additional data on the employee match at the next workshop. Following discussion, Director Swan expressed that he recommends deferring adoption of the operating budget until the Board meeting on June 25, 2012 where the Public Hearing will be held relative to the Proposition 218 responses as well as adoption of the rates and charges for fiscal year 2012-13. On MOTION by Swan, seconded and unanimously carried, A PROFESSIONAL SERVICES VARIANCE NO. 1 WITH AON HEWITT IN THE SUM OF \$127,700 WAS APPROVED.

IMPLEMENTATION OF CALPERS SECOND BENEFIT TIER FOR FUTURE-HIRED IRWD EMPLOYEES

General Manager Cook reported that at the Board workshop on February 22, 2012 and the Finance and Personnel Committee meeting on March 5, 2012, staff was directed to proceed with the necessary steps to implement a second pension tier for newly-hired employees. Mr. Cook said that the adoption of the Resolution of Intention is the next step in the contract amendment process. Following the adoption of the Resolution of Intention, the Board is required to also adopt a Final Resolution approving an amendment to the contract with the California Public Employees' Retirement System (CALPERS). He said that the effective date of the new formula for future-hired employees is proposed to be May 26, 2012. He said that based on staff's understanding of current CalPERS rules, an agency can only amend its contract to provide a different level of benefits once every three years with respect to each member category. Following discussion on the timing of this item, on MOTION by Swan, seconded and unanimously carried, THE BOARD ADOPTED THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2012-16

RESOLUTION OF INTENTION
TO APPROVE AN AMENDMENT TO THE CONTRACT
BETWEEN THE BOARD OF ADMINISTRATION OF THE
CALIFORNIA PUBLIC EMPLOYEES' RETIREMENT
SYSTEM AND THE BOARD OF DIRECTORS OF THE
IRVINE RANCH WATER DISTRICT

AUDITOR SELECTION OF FIVE-YEAR CONTRACT COMMENCING WITH FY 2011-12

General Manager Cook reported that in 2006, the Board authorized a five-year audit services contract with Mayer Hoffman McCann P.C., Conrad Government Services Division (MHM) for financial statement audit services each year, including single-audit services as required by the Federal government for certain grant funding. Mr. Cook said that in April 2011, the Board authorized a one-year contract extension for the Fiscal Year (FY) 2010-11 financial statement audits and single audit with Mayer Hoffman.

Executive Director of Finance Cherney said staff is once again soliciting proposals for these services as the contract with Mayor Hoffman has expired. She said that staff sent the Request for Proposals to 10 qualified firms and received proposals from Mayer Hoffman McCann, P.C.; White Nelson Diehl Evans LLP; Lance, Soll & Lunghard; and Charles Z. Fedak & Company. She said that staff evaluated the proposal and elected to interview the teams from Mayer Hoffman McCann (MHM) and White Nelson Diehl Evans. Based upon the proposals and interviews, staff recommends that the Board approve a five-year contract with Mayer Hoffman McCann, L.P. The five-year agreement is estimated at \$255,000 plus possible single audit fees not to exceed \$12,490 over the five-year period. Director Swan reported that this item was reviewed by the Finance and Personnel Committee on April 3, 2012, and concurs with the staff recommendation. Following discussion, on MOTION by Swan, seconded and unanimously carried, **THE BOARD APPROVED A FIVE-YEAR CONTRACT WITH MAYER HOFFMAN MCCANN, P.C. AT A COST OF \$255,000 PLUS POSSIBLE SINGLE AUDIT FEES NOT TO EXCEED \$12,490 OVER THE FIVE-YEAR PERIOD.**

LETTER OF CREDIT REPLACEMENT

General Manager Cook reported that in February 2012, Moody's Investors Services placed Bank of America (B of A) and 16 other banks and securities firms on credit watch for possible downgrade. If the short-term rating of B of A is downgraded from P-1 to P-2, staff anticipates the interest rates on three of District's variable rate bond (VRDOs) issues backed by B of A letters of credit (LOCs) will be negatively impacted.

Executive Director of Finance Cherney reported that staff received letter of credit proposals from Bank of New York, US Bank and Mizuho. Bank of New York and Mizuho provided very competitive proposals, and while the Mizuho proposal reflects lower pricing, the ratings on the bank are lower than the ratings on Bank of New York. She said that staff recommends selecting Bank of New York to provide LOCs on the 1989, 1991 and the 1993 bond issues at 0.35% for two years. She further said that staff is also recommending the retention of Orrick Herrington & Sutcliffe, and Bowie, Arneson, Wiles and Giannone as co-bond counsel and Stradling Yocca Carlson & Rauth as disclosure counsel.

Director Swan said this item was reviewed by the Finance and Personnel Committee on April 3, 2012 and that replacing the LOCs on the issues will result in an estimated annual savings of \$148,900. On MOTION by Swan, seconded and unanimously carried, **THE BOARD APPROVED THE RETENTION OF ORRICK HERRINGTON & SUTCLIFFE AND BOWIE, ARNESON, WILES AND GIANNONE AS CO-BOND COUNSEL, AND STRADLING**

YOCCA CARLSON & RAUTH AS DISCLOSURE COUNSEL, AND ADOPTED THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2012-17

RESOLUTION OF THE BOARD OF DIRECTORS OF
THE IRVINE RANCH WATER DISTRICT AUTHORIZING
CERTAIN ACTIONS IN CONNECTION WITH
REPLACEMENT OF LETTERS OF CREDIT
(CONSOLIDATED SERIES 1989, CONSOLIDATED SERIES 1991,
AND CONSOLIDATED SERIES 1993)

UTILITY BILLING REQUIREMENTS ANALYSIS: VARIANCE NO. 1: ADDITIONAL
BUDGET AND EXPENDITURE AUTHORIZATION FOR SERVICES AND SOFTWARE
SUPPORT

Director of Administration Services Mossbarger reported that in May 2011, the Board approved procurement of the Oracle CC&B applications licenses, and in December 2011, approved a Professional Services Agreement with Five Point Partners to assist the District with defining the detailed functional requirements for implementation and prepare a Request for Proposal for implementation services. Mr. Mossbarger said that in addition to the services in the original proposal response, Five Point Partners submitted an addendum for additional procurement services, including: 1) solution scope - an in-depth review of the implementation finalist's response to confirm assumptions and scope of activities required for a successful implementation; 2) solution confirmation - a service that provides final evaluation activities to ensure that all solution components have been identified, priced accordingly, and that IRWD has confirmed that the solution remains the optimal solution to move forward into contract negotiations; and 3) contract negotiation service - focuses on the development of the statement of work and contracts for implementation which may include multiple vendors, i.e. software, service, hardware, and third-party implementation partners.

Director Swan reported that this item was reviewed and approved by the Finance and Personnel Committee on April 3, 2012. On MOTION by Swan, seconded and unanimously carried, THE BOARD AUTHORIZED A BUDGET INCREASE TO PROJECTS 3236/11615 AND 3237/21615 FOR THE FY 2011-12 CAPITAL BUDGET AND APPROVED ACCOMPANYING EXPENDITURE AUTHORIZATIONS IN THE AMOUNT OF \$182,000 EACH FOR ORACLE SOFTWARE LICENSE SUPPORT AND THE FIVE POINT PARTNERS VARIANCE, AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE PROFESSIONAL SERVICES AGREEMENT VARIANCE NO. 1 WITH FIVE POINT PARTNERS, LLC IN THE AMOUNT OF \$144,700 FOR THE UTILITY BILLING SOFTWARE SUPPORT AND REQUIREMENTS ANALYSIS PROJECTS 3236/11615 AND 3237/21615.

GENERAL MANAGER'S REPORT

General Manager Cook reported that a settlement check was received today from AECOM for \$63,000 relative to the water transfer structure remedial work at Strand Ranch.

Mr. Cook reminded the Board of an upcoming Business Outreach lunch on April 24. He said that he and management staff will also be meeting with a few vendors for an Always Business Smart breakfast this Thursday.

Mr. Cook said that he will be in Sacramento testifying at the Assembly Local Government Committee hearing on April 18 relative to AB 2069 (Solorio).

DIRECTORS' COMMENTS

Director LaMar said that he attended a MWDOC meeting as well as his regular meetings representing the District.

Director Reinhart reported that he attended MWDOC's Elected Officials event last week.

Director Swan reported that he will be attending a WACO meeting this Friday as well as an ACWA Board meeting at the end of the month. He also said that on April 20, he will be attending a screening of Dr. Jay Famiglietti's film on declining water table levels at UCI.

Director Matheis reported that she and staff will be attending a meeting with Representative Campbell on Thursday and a meeting with Senator Correa on Friday.

ADJOURNMENT

There being no further business, President Matheis adjourned the meeting at 7:15 p.m.

APPROVED and SIGNED this 23rd day of April, 2012.

President, IRVINE RANCH WATER DISTRICT

Secretary, IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

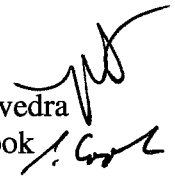
Legal Counsel - Bowie, Arneson, Wiles and Giannone

April 23, 2012

Prepared and

Submitted by: N. Savedra

Approved by: P. Cook



CONSENT CALENDAR

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

SUMMARY:

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

Events/Meetings

Steven LaMar

4/24/12 ACWA-Sponsored Endangered Species Act Roundtable Invitation
5/05/12 IRWD Resident Tour
5/8-11/12 ACWA Spring Conference, Monterey, CA

Mary Aileen Matheis

4/20/12 Monthly meeting with Paul Cook regarding District activities
4/24/12 IRWD Business Outreach Luncheon
5/8-11/12 ACWA Spring Conference, Monterey, CA

Douglas Reinhart

4/20/12 IRWD Resident Tour
4/24/12 IRWD Business Outreach Luncheon
5/8-11/12 ACWA Spring Conference, Monterey, CA

Peer Swan

4/24-27/12 CASA Spring Conference, Napa, CA
4/17/12 SAWPA Commission Regular Meeting
5/8-11/12 ACWA Spring Conference, Monterey, CA
5/17-18/12 ACWA Board of Directors' Meeting, Sacramento, CA

John Withers

4/20/12 Monthly meeting with Paul Cook regarding District activities
4/24/12 IRWD Business Outreach Luncheon
5/8-11/12 ACWA Spring Conference, Monterey, CA
5/19/12 IRWD Resident Tour

RECOMMENDATION:

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

LIST OF EXHIBITS:

None

April 23, 2012

Prepared by: Tanja Fournier/Rob Jacobson

Submitted by: Debby Cherney

Approved by: Paul Cook

CONSENT CALENDAR

MARCH 2012 FINANCIAL REPORTS

SUMMARY:

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

- A. The Investment Summary Report for March 2012. This Investment Summary Report is in conformity with the 2012 Investment Policy and provides sufficient liquidity to meet estimated expenditures during the next six months, as outlined in Exhibit "A".
- B. The Monthly Interest Rate Swap Summary as of March 31, 2012, as outlined in Exhibit "B".
- C. The Summary of Payroll ACH payments in the total amount of \$1,376,566.20, as outlined in Exhibit "C".
- D. The March 31, 2012 Disbursement Summary of the tabulation of Warrant Nos. 327968 through 328835, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$21,061,870.07.

FISCAL IMPACTS:

As of March 31, 2012, the book value of the investment portfolio was \$349,148,883 with a 0.47% rate of return and a market value of \$349,355,984. Based on the District's March 31, 2012 quarterly real estate investment rate of return of 11.20%, the District's weighted average return for the fixed income and real estate investments was 2.11%.

As of March 31, 2012, the total notional amount of the interest rate swap portfolio was \$130 million of fixed payer swaps. Cash accrual in March from all swaps was negative \$639,405 and negative \$5,563,616 fiscal year to date.

Payroll ACH payments totaled \$1,376,566.20 and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll and water purchases for March totaled \$21,061,870.07.

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 MARCH 2012; APPROVE THE MARCH 2012 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$1,376,566.20, AND APPROVE THE MARCH 2012 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS NOS. 327968 THROUGH 328835, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$21,061,870.07.

LIST OF EXHIBITS:

- Exhibit "A" - Investment Summary Report
- Exhibit "B" - Monthly Interest Rate Swap Summary
- Exhibit "C" - Monthly Payroll ACH Summary
- Exhibit "D" - Monthly Summary of District Disbursements

IRVINE RANCH WATER DISTRICT
SUMMARY OF MATURITIES

03/31/12

PORTFOLIO \$349,032,093

DATE	TOTAL	%	LAIF	AGENCIES	CAL REV NOTES	MONEY MARKET SAVINGS & SWEEP	Collateral * Deposit
4/12	\$229,032,093	65.62%	\$201,465,467		2,000,000	1,337,682	\$24,228,944
5/12							
6/12							
7/12							
8/12							
9/12							
10/12							
11/12							
12/12							
1/13							
2/13							
3/13							
SUB-TOTAL	\$229,032,093	65.62%	\$201,465,467	-	2,000,000	1,337,682	\$24,228,944
13 Months - 1 YEARS							
4/1/2013 - 6/30/2013	\$10,000,000	2.87%		10,000,000			
7/1/2013 - 9/30/2013	\$5,000,000	1.43%		5,000,000			
10/1/2013 - 12/31/2013	\$10,000,000	2.87%		10,000,000			
1/1/2014 - 3/31/2014	\$10,000,000	2.87%		10,000,000			
4/1/2014 - 6/30/2014	\$15,000,000	4.30%		15,000,000			
7/1/2014 - 9/30/2014	\$25,000,000	7.16%		25,000,000			
10/1/2014 - 12/31/2014	\$15,000,000	4.30%		15,000,000			
1/1/2015 - 3/31/2015	\$30,000,000	8.60%		30,000,000			
TOTALS	\$349,032,093	100.00%	\$201,465,467	120,000,000	2,000,000	1,337,682	\$24,228,944

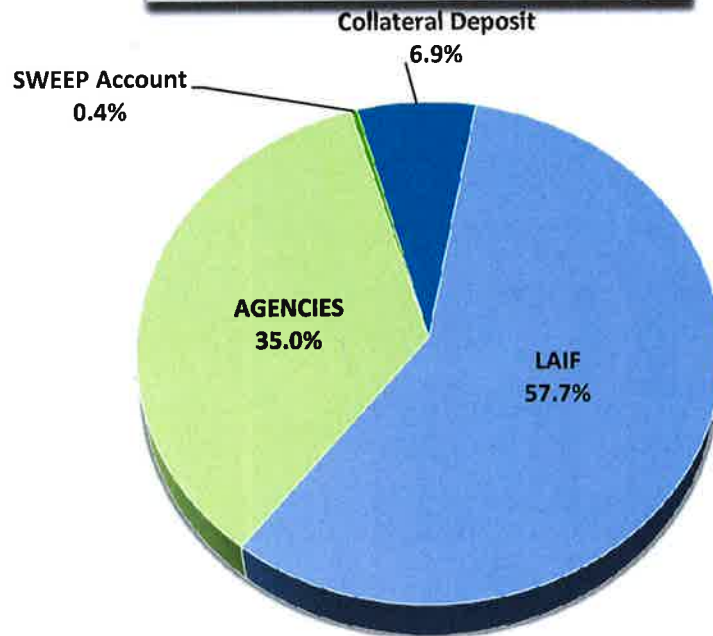
% OF PORTFOLIO 57.72% 34.38% 0.57% 0.38% 6.94%

* Return of posted collateral is dependant on interest rates.

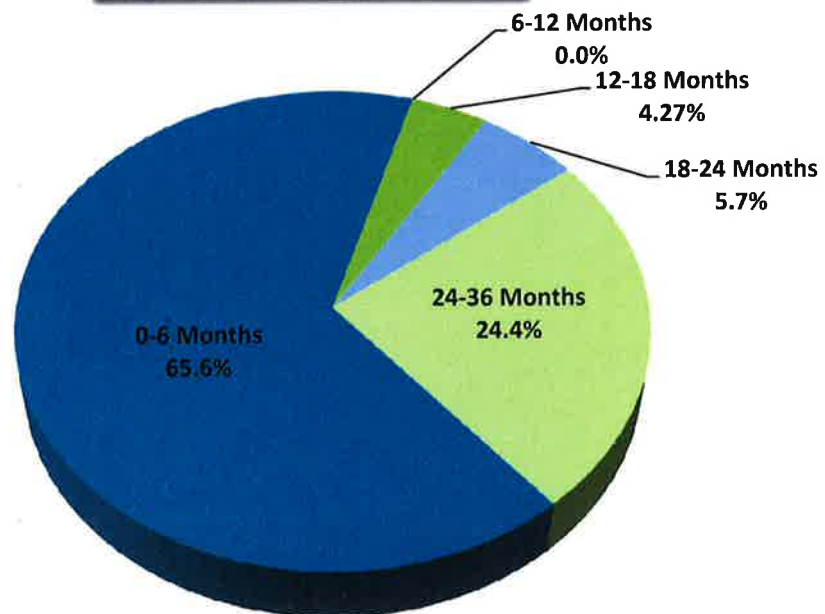
MARCH 2012 INVESTMENT PORTFOLIO

As of March 31, 2012

Portfolio by Investment Type



Portfolio by Maturities



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

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

?

IRVINE RANCH WATER DISTRICT
 INVESTMENT SUMMARY REPORT

Joint Powers Agency - Investment Contracts

3/31/2012

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

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

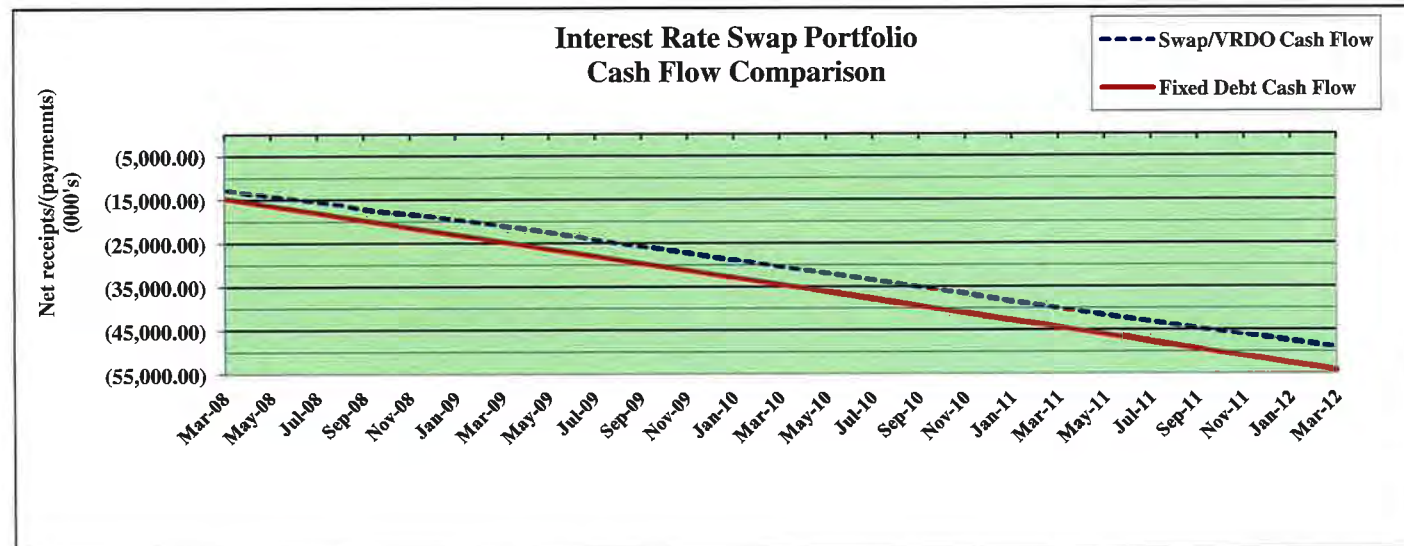
Exhibit "B"

	Prior Mo.	Current Mo.	12-Mo Avg
LIBOR Avg %	0.25%	0.24%	0.23%

Current Fiscal Year Active Swaps								Cash Flow				Mark to Market	
Effective Date	Maturity Date	Years to Maturity	Counter Party	Notional Amt	Type	Base Index	Fixed Rate	(Since 6/06)			Cumulative Cash Flow	Current Mark to Market	Notional Difference
								Prior Month	Current Month	Fiscal YTD			
6/4/2006	6/4/2019	7.2	ML	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (92,142)	\$ (102,684)	\$ (893,513)	\$ (4,745,103)	\$ 13,889,020	\$ (6,110,980)
6/4/2006	6/4/2019	7.2	CG	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (92,142)	\$ (102,684)	\$ (893,513)	\$ (4,745,103)	\$ 13,872,552	\$ (6,127,448)
6/17/2006	6/17/2019	7.2	CG	\$ 30,000,000	FXP	LIBOR	6.140%	\$ (136,768)	\$ (152,513)	\$ (1,327,018)	\$ (7,025,204)	\$ 20,906,010	\$ (9,093,990)
3/10/2007	3/10/2029	17.0	ML	\$ 30,000,000	FXP	LIBOR	5.687%	\$ (126,194)	\$ (140,762)	\$ (1,224,786)	\$ (6,145,320)	\$ 17,706,821	\$ (12,293,179)
3/10/2007	3/10/2029	17.0	CG	\$ 30,000,000	FXP	LIBOR	5.687%	\$ (126,194)	\$ (140,762)	\$ (1,224,786)	\$ (6,145,320)	\$ 16,240,792	\$ (13,759,208)
Totals/Weighted Avgs		11.7		\$ 130,000,000			5.949%	\$ (573,440)	\$ (639,405)	\$ (5,563,616)	\$ (28,806,051)	\$ 82,615,195	\$ (47,384,805)
Total Current Year Active Swaps				\$ 130,000,000				\$ (573,440)	\$ (639,405)	\$ (5,563,616)	\$ (28,806,051)	\$ 82,615,195	\$ (47,384,805)

Current Fiscal Year Terminated Swaps								Cash Flow				Mark to Market	
Effective Date	Maturity Date		Counter Party	Notional Amt	Type	Base Index	Fixed Rate	(Since 6/06)			Cumulative Cash Flow	Current Mark to Market	Notional Difference
								Prior Month	Current Month	Fiscal YTD			
Total Current Year Terminated Swaps								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Current Fiscal Year - Total Swaps								Cash Flow				Mark to Market	
								Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Current Mark to Market	Notional Difference
Total Current Year Active & Terminated Swaps				\$ 130,000,000				\$ (573,440)	\$ (639,405)	\$ (5,563,616)	\$ (28,806,051)	\$ 82,615,195	\$ (47,384,805)



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt	
<u>Cash Flow to Date</u>	
Synthetic Fixed =	\$48,994,407
Fixed Rate =	\$54,284,378
Assumptions:	
- Fixed rate debt issued at 5.10% in Jun-06, and 4.93% in Mar-07 (estimated TE rates - Bloomberg)	
- 'Synthetic' includes swap cash flow + interest + fees to date	

Exhibit "C"

MONTHLY SUMMARY OF WIRE TRANSFERS AND ACH PAYMENTS

MARCH
2012

DATE	AMOUNT	VENDOR	PURPOSE
3/9/2012	700,419.50	BANK OF AMERICA	PAYROLL 03/09/12
3/27/2012	676,146.70	BANK OF AMERICA	PAYROLL 03/24/12
	<u>\$1,376,566.20</u>		

Exhibit "D"

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 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								
327968		01-MAR-12	Amy McNulty		19.50			Negotiable
327969		01-MAR-12	Christopher Lum		12.00			Negotiable
327970		01-MAR-12	Gregory Springman		37.00			Negotiable
327971		01-MAR-12	Jonathon Moore		125.00			Negotiable
327972		01-MAR-12	Juan Guzman		39.00			Negotiable
327973		01-MAR-12	Kelly Welch		82.04			Negotiable
327974		01-MAR-12	Kirsten McLaughlin		119.69			Negotiable
327975		01-MAR-12	Lars Oldewage		1,369.08			Negotiable
327976		01-MAR-12	Leslie Bonkowski		235.63			Negotiable
327977		01-MAR-12	Matt Marshall		150.00			Negotiable
327978		01-MAR-12	Nikola Mrvos		135.00			Negotiable
327979		01-MAR-12	Paul Weghorst		63.13			Negotiable
327980		01-MAR-12	Rex Rajewski		120.00			Negotiable
327981		01-MAR-12	Richard Schulze		73.00			Negotiable
327982		01-MAR-12	Steven Tolericco		120.00			Negotiable
327983		01-MAR-12	Thomas Bonkowski		68.20			Negotiable
327984		01-MAR-12	William Hall		130.00			Negotiable
327985		01-MAR-12	ARCADIS U.S., INC.		8,638.21			Negotiable
327986		01-MAR-12	ARDIEL, KEN		406.18			Negotiable
327987		01-MAR-12	AT&T		4,621.26			Negotiable
327988		01-MAR-12	AT&T		50.23			Negotiable
327989		01-MAR-12	BELLINO, STEVEN JOHN		8,600.00			Negotiable
327990		01-MAR-12	BIOMAGIC INC		1,159.82			Negotiable
327991		01-MAR-12	BROWN, ERROL		11.60			Negotiable
327992		01-MAR-12	C WELLS PIPELINE MATERIALS INC		47.04			Negotiable
327993		01-MAR-12	CHEN, HELEN		15.00			Negotiable
327994		01-MAR-12	CITY OF IRVINE		1,133.00			Negotiable
327995		01-MAR-12	CITY OF LAKE FOREST		18,490.00			Negotiable
327996		01-MAR-12	COMMERCE ENERGY INC		803.01			Negotiable
327997		01-MAR-12	COMMERCIAL DOOR OF ORANGE COUNTY, INC.		408.28			Negotiable
327998		01-MAR-12	ONEYBEARE INC		3,688.79			Negotiable
327999		01-MAR-12	CORELOGIC INC		36.00			Negotiable
328000		01-MAR-12	COX COMMUNICATIONS		61.97			Negotiable
328001		01-MAR-12	DCSE INC		6,090.00			Negotiable
328002		01-MAR-12	DEE JASPAR & ASSOCIATES, INC.		8,486.94			Negotiable
328003		01-MAR-12	DISCOVERY SCIENCE CENTER		6,650.40			Negotiable
328004		01-MAR-12	DJ NELSON & SON POOL SERVICE		467.55			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 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								
328005		01-MAR-12	DUDEK		9,273.51			Negotiable
328006		01-MAR-12	EAST ORANGE COUNTY WATER DISTRICT		629.01			Negotiable
328007		01-MAR-12	EHS INTERNATIONAL, INC		2,100.00			Negotiable
328008		01-MAR-12	ESKANDARI, HASEZ		32.04			Negotiable
328009		01-MAR-12	FABIAN, GINA		7.78			Negotiable
328010		01-MAR-12	FARRELL & ASSOCIATES		1,152.28			Negotiable
328011		01-MAR-12	FAWAZ, CHERINE		33.86			Negotiable
328012		01-MAR-12	FIRST CHOICE SERVICES		1,159.15			Negotiable
328013		01-MAR-12	FISHER SCIENTIFIC COMPANY LLC		5,611.89			Negotiable
328014		01-MAR-12	FLEET SOLUTIONS LLC		3,867.25			Negotiable
328015		01-MAR-12	GENTERRA CONSULTANTS INC		890.00			Negotiable
328016		01-MAR-12	GEOSYNTEC CONSULTANTS INC		1,385.35			Negotiable
328017		01-MAR-12	GONZALEZ, GUADALUPE		29.17			Negotiable
328018		01-MAR-12	GRAINGER		1,022.00			Negotiable
328019		01-MAR-12	GRAY, LESLIE		66.61			Negotiable
328020		01-MAR-12	HACH COMPANY		7,119.93			Negotiable
328021		01-MAR-12	HARMSWORTH ASSOCIATES		4,220.00			Negotiable

328022	01-MAR-12	HDR ENGINEERING INC	23,222.92	Negotiable
328023	01-MAR-12	HE, XUEYUN	74.42	Negotiable
328024	01-MAR-12	HEALTH SCIENCE ASSOCIATES	6,997.00	Negotiable
328025	01-MAR-12	HILL BROTHERS CHEMICAL COMPANY	13,784.73	Negotiable
328026	01-MAR-12	HOME DEPOT USA INC	19.99	Negotiable
328027	01-MAR-12	HUNSAKER & ASSOCIATES IRVINE	261.04	Negotiable
328028	01-MAR-12	INDUSTRIAL ELECTRIC MACHINERY LLC	5,109.57	Negotiable
328029	01-MAR-12	IRVINE WILDFLOWER HOA	959.63	Negotiable
328030	01-MAR-12	IRWD-PETTY CASH CUSTODIAN	447.72	Negotiable
328031	01-MAR-12	JEFFRIES, PATRICE	718.96	Negotiable
328032	01-MAR-12	KELLY SERVICES INC	851.20	Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 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								
328033	01-MAR-12	KELLY, JOEL LYNN	724.93	Negotiable				
328034	01-MAR-12	KHAN, NISHAT	155.30	Negotiable				
328035	01-MAR-12	KONECRANES INC	1,650.00	Negotiable				
328036	01-MAR-12	KPRS CONSTRUCTION SERVICES, INC	94,428.00	Negotiable				
328037	01-MAR-12	LAB SAFETY SUPPLY INC	122.86	Negotiable				
328038	01-MAR-12	LABELLE-MARVIN INC	3,410.00	Negotiable				
328039	01-MAR-12	LAKE FOREST COMM ASSN	331.82	Negotiable				
328040	01-MAR-12	LAYTON-BELLING & ASSOCIATES	4,953.90	Negotiable				
328041	01-MAR-12	LEATHERWOOD CONSTRUCTION INC	574,936.43	Negotiable				
328042	01-MAR-12	LEATHERWOOD CONSTRUCTION INC	6,890.65	Negotiable				
328043	01-MAR-12	LENOVO UNITED STATES INC	13,417.84	Negotiable				
328044	01-MAR-12	LEONARD CHAIDEZ TREE SERVICE	5,995.00	Negotiable				
328045	01-MAR-12	LESS, MICHAEL	35.99	Negotiable				
328046	01-MAR-12	LGC GEOTECHNICAL, INC.	1,840.00	Negotiable				
328047	01-MAR-12	MALCOLM PIRNIE INC	52,815.33	Negotiable				
328048	01-MAR-12	MARVIN GARDENS LLC	2,593.70	Negotiable				
328049	01-MAR-12	MC MASTER CARR SUPPLY CO	276.99	Negotiable				
328050	01-MAR-12	MCNAIR, AMANDA	21.36	Negotiable				
328051	01-MAR-12	MISSION COMMUNICATIONS LLC	8,866.24	Negotiable				
328052	01-MAR-12	MOUSE GRAPHICS	1,031.07	Negotiable				
328053	01-MAR-12	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	95,491.84	Negotiable				
328054	01-MAR-12	MUNSON, SCOTT	25.09	Negotiable				
328055	01-MAR-12	NATIONAL READY MIXED CONCRETE CO	678.29	Negotiable				
328056	01-MAR-12	NEPTUNE TECHNOLOGY	36,850.50	Negotiable				
328057	01-MAR-12	NEWPORT WINDOW MAINTENANCE INC	2,314.00	Negotiable				
328058	01-MAR-12	OLIN CORPORATION	31,037.59	Negotiable				
328059	01-MAR-12	OLSON HAGEL FISHBURN, LLP	271.00	Negotiable				
328060	01-MAR-12	ON ASSIGNMENT LAB SUPPORT	2,489.60	Negotiable				

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 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								
328061	01-MAR-12	ONESOURCE DISTRIBUTORS LLC	2,810.53	Negotiable				
328062	01-MAR-12	ORANGE COUNTY VECTOR CONTROL DISTRICT	420.17	Negotiable				
328063	01-MAR-12	ORANGE COUNTY WATER DISTRICT	6,128.71	Negotiable				
328064	01-MAR-12	ORANGE, COUNTY OF	140.00	Negotiable				
328065	01-MAR-12	PACIFIC RESOURCE	2,528.65	Negotiable				

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
			RECOVERY					
328066		01-MAR-12	PANOS, PETER		183.00			Negotiable
328067		01-MAR-12	PINNACLE TOWERS LLC		569.34			Negotiable
328068		01-MAR-12	PIVOT INTERIORS INC		1,017.07			Negotiable
328069		01-MAR-12	PRAXAIR DISTRIBUTION INC		1,715.46			Negotiable
328070		01-MAR-12	PRUDENTIAL OVERALL SUPPLY		876.20			Negotiable
328071		01-MAR-12	PSOMAS		3,594.34			Negotiable
328072		01-MAR-12	PTI SAND & GRAVEL INC		1,028.38			Negotiable
328073		01-MAR-12	PURE EFFECT INC		5,655.00			Negotiable
328074		01-MAR-12	RAM AIR ENGINEERING INC		865.90			Negotiable
328075		01-MAR-12	RANE, AJAY		950.00			Negotiable
328076		01-MAR-12	RBF CONSULTING		17,593.98			Negotiable
328077		01-MAR-12	RISQUEZ-ASHLEY, ANN MARIE		8.16			Negotiable
328078		01-MAR-12	SANTA ANA CITY OF		19,760.37			Negotiable
328079		01-MAR-12	SANTIAGO AQUEDUCT COMMISSION		3,239.72			Negotiable
328080		01-MAR-12	SCS ENGINEERS		3,645.00			Negotiable
328081		01-MAR-12	SHAHABEDIN, SHAWN		676.45			Negotiable
328082		01-MAR-12	SIMI VALLEY LANDFILL AND RECYCLING CENTER		1,803.24			Negotiable
328083		01-MAR-12	SIMON GADEN, SABRINA		67.88			Negotiable
328084		01-MAR-12	SNYDER LANGSTON L.P.		93,349.80			Negotiable
328085		01-MAR-12	SOUTH COAST WATER DISTRICT		54.53			Negotiable
328086		01-MAR-12	SOUTHERN CALIFORNIA EDISON COMPANY		202,678.97			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 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								
328087		01-MAR-12	STATE BOARD OF EQUALIZATION		17.36			Negotiable
328088		01-MAR-12	SUPERIOR WATER TECHNOLOGIES		88,864.00			Negotiable
328089		01-MAR-12	TETRA TECH, INC		27,934.96			Negotiable
328090		01-MAR-12	THE GAS COMPANY		84.88			Negotiable
328091		01-MAR-12	TIC-IPG-COMMON		1,011.68			Negotiable
328092		01-MAR-12	TIC-OFFICE PROPERTIES		1,286.56			Negotiable
328093		01-MAR-12	TROPICAL PLAZA NURSERY INC		26,925.00			Negotiable
328094		01-MAR-12	US PEROXIDE LLC		2,650.00			Negotiable
328095		01-MAR-12	VERIZON CALIFORNIA INC		85.58			Negotiable
328096		01-MAR-12	VERIZON WIRELESS SERVICES LLC		8,327.26			Negotiable
328097		01-MAR-12	WECK LABORATORIES INC		225.00			Negotiable
328098		01-MAR-12	WHEELER PAVING INC		783.45			Negotiable
328099		01-MAR-12	WINDWOOD GLEN APTS		327.17			Negotiable
328100		01-MAR-12	WIRELESS WATCHDOGS LLC		1,252.00			Negotiable
328101		01-MAR-12	WOOD BROS., INC.		29,900.00			Negotiable
328102		01-MAR-12	WOODBURY COMMUNITY ASSN		685.83			Negotiable
328103		01-MAR-12	ZIAT, ROYA		65.86			Negotiable
328104		01-MAR-12	ACTION ELECTRIC CORP		734.29			Negotiable
328105		01-MAR-12	ALHAMBRA FOUNDRY CO LTD		4,837.98			Negotiable
328106		01-MAR-12	AOSAFETY		101.88			Negotiable
328107		01-MAR-12	BIOMAGIC INC		7,687.70			Negotiable
328108		01-MAR-12	BRENNTAG PACIFIC INC		4,924.23			Negotiable
328109		01-MAR-12	C WELLS PIPELINE MATERIALS INC		256.34			Negotiable
328110		01-MAR-12	COASTAL IGNITION & CONTROLS, INC		1,224.00			Negotiable
328111		01-MAR-12	CONEBEARE INC		1,158.08			Negotiable
328112		01-MAR-12	CONTROLLED KEY SYSTEMS INC		92.00			Negotiable
328113		01-MAR-12	DELPHIN COMPUTER SUPPLY		107.75			Negotiable
328114		01-MAR-12	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.		10,704.03			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52

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

Account: Checking AP and PR Page: 6
 Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328115		01-MAR-12	ENVIRONMENTAL EXPRESS INC		1,426.33			Negotiable
328116		01-MAR-12	EVANS-HYDRO INC		12,692.00			Negotiable
328117		01-MAR-12	FIRE EXTINGUISHING SAFETY		852.69			Negotiable
328118		01-MAR-12	FISHER SCIENTIFIC COMPANY LLC		3,458.05			Negotiable
328119		01-MAR-12	GANAHL LUMBER CO.		3,797.76			Negotiable
328120		01-MAR-12	INDUSTRIAL METAL SUPPLY CO		78.06			Negotiable
328121		01-MAR-12	IRVINE PIPE & SUPPLY INC		419.61			Negotiable
328122		01-MAR-12	MC MASTER CARR SUPPLY CO		1,740.22			Negotiable
328123		01-MAR-12	MUTUAL PROPANE		146.05			Negotiable
328124		01-MAR-12	PSOMAS		22,137.41			Negotiable
328125		01-MAR-12	QUALITY ENVIRONMENTAL		1,260.57			Negotiable
328126		01-MAR-12	RAM AIR ENGINEERING INC		9,973.00			Negotiable
328127		01-MAR-12	RBF CONSULTING		742.85			Negotiable
328128		01-MAR-12	SANTA ANA BLUE PRINT		1,878.62			Negotiable
328129		01-MAR-12	SCOTT HEALTH & SAFETY		493.93			Negotiable
328130		01-MAR-12	SEAL ANALYTICAL INC		808.80			Negotiable
328131		01-MAR-12	SOUTHERN COUNTIES LUBRICANTS LLC		1,418.91			Negotiable
328132		01-MAR-12	SYNAGRO SOUTH, LLC		22,099.82			Negotiable
328133		01-MAR-12	THOMPSON INDUSTRIAL SUPPLY		34.16			Negotiable
328134		01-MAR-12	TROPICAL PLAZA NURSERY INC		28,593.59			Negotiable
328135		01-MAR-12	UNIVAR USA INC		1,437.39			Negotiable
328136		01-MAR-12	US PEROXIDE LLC		6,966.45			Negotiable
328137		01-MAR-12	WALTERS WHOLESALE ELECTRIC		284.29			Negotiable
328138		01-MAR-12	WAXIE'S ENTERPRISES, INC		1,109.37			Negotiable
328139		01-MAR-12	WECK LABORATORIES INC		2,295.00			Negotiable
328140		02-MAR-12	DUDLEY RIDGE WATERPAY DISTRICT		7,368.45			Negotiable
328141		02-MAR-12	DUDLEY RIDGE WATERPAY DISTRICT		130.46			Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 7
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328142		07-MAR-12	FIERRO, SERGIO D	HACIENDA HEIGHT	2,675.25			Negotiable
328143		08-MAR-12	Arseny Kalinsky		1,535.52			Negotiable
328144		08-MAR-12	Christopher Fike		54.14			Negotiable
328145		08-MAR-12	Debbie Kanoff		1,209.14			Negotiable
328146		08-MAR-12	Deborah Cherney		34.29			Negotiable
328147		08-MAR-12	Kevin Walsh		95.00			Negotiable
328148		08-MAR-12	Peer Swan		925.67			Negotiable
328149		08-MAR-12	Ray Bennett		205.75			Negotiable
328150		08-MAR-12	A & Y ASPHALT CONTRACTORS INC		7,377.00			Negotiable
328151		08-MAR-12	AARP HEALTH CARE OPTIONS		210.92			Negotiable
328152		08-MAR-12	ACTION ELECTRIC CORP		922.82			Negotiable
328153		08-MAR-12	ACWA		32,594.28			Negotiable
328154		08-MAR-12	AIRGAS-WEST, INC.		249.60			Negotiable
328155		08-MAR-12	ALEXANDER CONTRACT SERVICES INC		98,170.79			Negotiable
328156		08-MAR-12	AMERICAN MESSAGING SERVICES LLC		287.76			Negotiable
328157		08-MAR-12	ANTHEM BLUE CROSS		525.96			Negotiable
328158		08-MAR-12	AOSAFETY		110.50			Negotiable
328159		08-MAR-12	APPLIED TECHNOLOGY GROUP INC		1,340.00			Negotiable
328160		08-MAR-12	AT&T		12,967.57			Negotiable
328161		08-MAR-12	ATHENS SERVICES		896.56			Negotiable
328162		08-MAR-12	BCGR		440.00			Negotiable

328163	08-MAR-12	BELLEWICK COMMUNITY ASSOCIATION	175.00	Negotiable
328164	08-MAR-12	BILL'S SWEEPING SERVICE INC	805.00	Negotiable
328165	08-MAR-12	BLACK & VEATCH CORPORATION	587,425.44	Negotiable
328166	08-MAR-12	BRENNTAG PACIFIC INC	15,372.37	Negotiable
328167	08-MAR-12	BRITHINEE ELECTRIC	24,193.03	Negotiable
328168	08-MAR-12	BRUCE NEWELL	1,316.00	Negotiable
328169	08-MAR-12	BUSH & ASSOCIATES INC	9,040.00	Negotiable
328170	08-MAR-12	C WELLS PIPELINE MATERIALS INC	16,060.14	Negotiable
328171	08-MAR-12	CALIFORNIA BANK & TRUST	22,487.92	Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 8
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328172		08-MAR-12	CALIFORNIA BARRICADE INC		3,085.00			Negotiable
328173		08-MAR-12	CALIFORNIA DEPT OF PUBLIC HEALTH		29,962.80			Negotiable
328174		08-MAR-12	CALIFORNIA TRUCK EQUIPMENT COMPANY		2,639.88			Negotiable
328175		08-MAR-12	CANON BUSINESS SOLUTIONS INC		1,389.97			Negotiable
328176		08-MAR-12	CANON FINANCIAL SERVICES INC		9,197.92			Negotiable
328177		08-MAR-12	CAPTIVE AUDIENCE MARKETING INC.		85.12			Negotiable
328178		08-MAR-12	CDW GOVERNMENT LLC		407.59			Negotiable
328179		08-MAR-12	CHARLES Z FEDAK & COMPANY		1,750.00			Negotiable
328180		08-MAR-12	CITY OF IRVINE		583.40			Negotiable
328181		08-MAR-12	CITY OF LAKE FOREST		1,600.00			Negotiable
328182		08-MAR-12	CITY OF ORANGE		5,000.00			Negotiable
328183		08-MAR-12	CITY OF TUSTIN		1,119.71			Negotiable
328184		08-MAR-12	CLEARINGHOUSE		528.45			Negotiable
328185		08-MAR-12	COASTAL TRAFFIC SYSTEMS, INC		510.00			Negotiable
328186		08-MAR-12	COMMERCIAL CLEANING SYSTEMS INC		10,845.99			Negotiable
328187		08-MAR-12	CONEYBEARE INC		5,412.16			Negotiable
328188		08-MAR-12	CORTECH ENGINEERING, INC		477.14			Negotiable
328189		08-MAR-12	CR & R INCORPORATED		11.98			Negotiable
328190		08-MAR-12	DATA CLEAN CORPORATION		513.25			Negotiable
328191		08-MAR-12	DATASITE INC		8,925.00			Negotiable
328192		08-MAR-12	DEE JASPAR & ASSOCIATES, INC.		7,496.10			Negotiable
328193		08-MAR-12	DME INC		385.00			Negotiable
328194		08-MAR-12	DRAEGER SAFETY INC		13.07			Negotiable
328195		08-MAR-12	DRUCK INC, GE SENSING		1,054.99			Negotiable
328196		08-MAR-12	ELECTRABOND		2,330.00			Negotiable
328197		08-MAR-12	ENTERPRISE INFORMATION SYSTEMS INC		16,500.00			Negotiable
328198		08-MAR-12	ENVIRONMENTAL EXPRESS INC		888.90			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 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								
328199		08-MAR-12	ENVIRONMENTAL RESOURCE ASSOCIATES		358.10			Negotiable
328200		08-MAR-12	ESA PWA		8,122.50			Negotiable
328201		08-MAR-12	FARRELL & ASSOCIATES		575.89			Negotiable
328202		08-MAR-12	FEDEX		2,094.16			Negotiable
328203		08-MAR-12	FERGUSON WATERWORKS		210.11			Negotiable
328204		08-MAR-12	FIDELITY SECURITY		5,803.84			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
328205	08-MAR-12	LIFE INSURANCE COMPANY			2,971.14			Negotiable
328206	08-MAR-12	FIRST CHOICE SERVICES			38.70			Negotiable
328207	08-MAR-12	FIRST HEALTH LIFE AND HEALTH INSURANCE COMPANY			1,752.12			Negotiable
328208	08-MAR-12	FISHER SCIENTIFIC COMPANY LLC			3,437.17			Negotiable
328209	08-MAR-12	FIVE POINT PARTNERS LLC			404.06			Negotiable
328210	08-MAR-12	FOUNTAIN VALLEY PAINTS			793.58			Negotiable
328211	08-MAR-12	FRANCHISE TAX BOARD			350.00			Negotiable
328212	08-MAR-12	FRANK LA PLACA EXTERMINATING INC			19,776.00			Negotiable
328213	08-MAR-12	GEOSCIENCE SUPPORT SERVICES INC			170.42			Negotiable
328214	08-MAR-12	GLOBALSTAR INC			2,242.56			Negotiable
328215	08-MAR-12	GRAINGER			981.30			Negotiable
328216	08-MAR-12	HACH COMPANY			4,345.00			Negotiable
328217	08-MAR-12	HARMSWORTH ASSOCIATES			70.73			Negotiable
328218	08-MAR-12	HARRINGTON INDUSTRIAL PLASTICS LLC			3,250.38			Negotiable
328219	08-MAR-12	HDR ENGINEERING INC			116.00			Negotiable
328220	08-MAR-12	HEARTLAND BUSINESS CREDIT CORPORATION			38,768.00			Negotiable
328221	08-MAR-12	HEWITT ASSOCIATES LLC			5,580.22			Negotiable
328222	08-MAR-12	HILL BROTHERS CHEMICAL COMPANY			1,038.79			Negotiable
328222	08-MAR-12	HOME DEPOT USA INC						Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 10
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328223	08-MAR-12	II FUELS INC			15,537.37			Negotiable
328224	08-MAR-12	INDUSTRIAL METAL SUPPLY CO			176.10			Negotiable
328225	08-MAR-12	INTERNAL REVENUE SERVICE			1,477.06			Negotiable
328226	08-MAR-12	IRVINE PIPE & SUPPLY INC			4,280.84			Negotiable
328227	08-MAR-12	IRVINE VALLEY COLLEGE			1,000.00			Negotiable
328228	08-MAR-12	IRWD-PETTY CASH CUSTODIAN			540.74			Negotiable
328229	08-MAR-12	JCI JONES CHEMICALS INC			5,615.50			Negotiable
328230	08-MAR-12	JOHN G. ALEVIZOS D.O. INC.			205.00			Negotiable
328231	08-MAR-12	JOHN MICHAEL COVAS			99.90			Negotiable
328232	08-MAR-12	JONES & STOKES ASSOCIATES, INC			2,836.25			Negotiable
328233	08-MAR-12	KONECRANES INC			1,100.00			Negotiable
328234	08-MAR-12	KS DIRECT LLC			7,379.38			Negotiable
328235	08-MAR-12	LAGUNA BEACH COUNTY WATER DISTRICT			4,706.96			Negotiable
328236	08-MAR-12	LCS TECHNOLOGIES, INC.			5,250.00			Negotiable
328237	08-MAR-12	LENOVO UNITED STATES INC			867.62			Negotiable
328238	08-MAR-12	LOCHRIDGE, DAVID			4,686.00			Negotiable
328239	08-MAR-12	LSA ASSOCIATES INC			6,182.90			Negotiable
328240	08-MAR-12	MALCOLM PIRNIE INC			9,332.40			Negotiable
328241	08-MAR-12	MARKET-THINK LLC			7,400.00			Negotiable
328242	08-MAR-12	MBC APPLIED ENVIRONMENTAL SCIENCES			3,000.00			Negotiable
328243	08-MAR-12	MC MASTER CARR SUPPLY CO			1,817.02			Negotiable
328244	08-MAR-12	MCR TECHNOLOGIES INC			8,730.38			Negotiable
328245	08-MAR-12	MERCHANTS LANDSCAPE SERVICES INC			7,280.00			Negotiable
328246	08-MAR-12	METRON FARNIER, LLC			7,077.98			Negotiable
328247	08-MAR-12	MGH PAINTING INC			13,765.00			Negotiable

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 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								
328248		08-MAR-12	MOBILE MODULAR MANAGEMENT CORPORATION		1,108.75			Negotiable
328249		08-MAR-12	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		75.00			Negotiable
328250		08-MAR-12	NATIONAL READY MIXED CONCRETE CO		2,331.75			Negotiable
328251		08-MAR-12	NATIONAL ROOFING CONSULTANTS, INC.		6,825.00			Negotiable
328252		08-MAR-12	NORTHERN SAFETY CO INC		66.62			Negotiable
328253		08-MAR-12	OCEAN BLUE ENVIRONMENTAL SERVICES INC		1,159.16			Negotiable
328254		08-MAR-12	OLIN CORPORATION		5,261.05			Negotiable
328255		08-MAR-12	ON ASSIGNMENT LAB SUPPORT		4,481.28			Negotiable
328256		08-MAR-12	ONESOURCE DISTRIBUTORS LLC		2,653.85			Negotiable
328257		08-MAR-12	ORACLE AMERICA, INC.		84,909.30			Negotiable
328258		08-MAR-12	ORANGE COUNTY AUTO PARTS CO		193.30			Negotiable
328259		08-MAR-12	ORANGE COUNTY SANITATION DISTRICT		1,570.00			Negotiable
328260		08-MAR-12	ORANGE COUNTY TREASURER		202.00			Negotiable
328261		08-MAR-12	ORANGE, COUNTY OF		2,695.00			Negotiable
328262		08-MAR-12	ORDONEZ, CYNTHIA MARIE		500.17			Negotiable
328263		08-MAR-12	PACIFIC PARTS & CONTROLS INC		5,165.86			Negotiable
328264		08-MAR-12	PACIFIC STRATEGIES CORPORATION		2,500.00			Negotiable
328265		08-MAR-12	PERS LONG TERM CARE		1,394.27			Negotiable
328266		08-MAR-12	PINNACLE LANDSCAPE COMPANY		6,560.00			Negotiable
328267		08-MAR-12	PIVOT INTERIORS INC		2,423.47			Negotiable
328268		08-MAR-12	PONTON INDUSTRIES INC		1,253.07			Negotiable
328269		08-MAR-12	PRAXAIR DISTRIBUTION INC		3,246.59			Negotiable

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 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								
328270		08-MAR-12	PRIORITY MAILING SYSTEMS LLC		162.31			Negotiable
328271		08-MAR-12	PRUDENTIAL OVERALL SUPPLY		841.76			Negotiable
328272		08-MAR-12	PSOMAS		15,499.96			Negotiable
328273		08-MAR-12	PTI SAND & GRAVEL INC		1,409.51			Negotiable
328274		08-MAR-12	QUICKEL PAVING INC		350.00			Negotiable
328275		08-MAR-12	R & S SOIL PRODUCTS INC		840.45			Negotiable
328276		08-MAR-12	RAINBOW DISPOSAL CO INC		459.26			Negotiable
328277		08-MAR-12	RAM AIR ENGINEERING INC		235.00			Negotiable
328278		08-MAR-12	RANCHO ALISAL APTS		29.91			Negotiable
328279		08-MAR-12	RANCHO MADERAS APTS		679.59			Negotiable
328280		08-MAR-12	RBF CONSULTING		48,370.19			Negotiable
328281		08-MAR-12	REED, JAMES D		1,985.89			Negotiable
328282		08-MAR-12	RJS SOFTWARE SYSTEMS INC		285.00			Negotiable
328283		08-MAR-12	RMC WATER AND ENVIRONMENT		15,155.99			Negotiable
328284		08-MAR-12	S&S SEEDS INC		136.08			Negotiable
328285		08-MAR-12	SAN MARINO APTS		248.69			Negotiable
328286		08-MAR-12	SANDERS PAVING INC		6,500.00			Negotiable
328287		08-MAR-12	SANTA ANA BLUE PRINT		4,383.61			Negotiable
328288		08-MAR-12	SANTA MARGARITA WATER DISTRICT		1,515.62			Negotiable
328289		08-MAR-12	SHAMROCK SUPPLY CO		2,194.83			Negotiable

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
328290	08-MAR-12		INC		94.73			Negotiable
328291	08-MAR-12		SIGMA-ALDRICH INC		761.96			Negotiable
			SIMI VALLEY					
			LANDFILL AND					
			RECYCLING CENTER					
328292	08-MAR-12		SOS SURVIVAL		122.71			Negotiable
			PRODUCTS					
328293	08-MAR-12		SOUTH COAST		400.30			Negotiable
			ANSWERING SERVICE					
328294	08-MAR-12		SOUTH COAST WATER		151.66			Negotiable
328295	08-MAR-12		SOUTHERN		202,875.12			Negotiable
			CALIFORNIA EDISON					
			COMPANY					

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 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								
328296	08-MAR-12		SOUTHERN		4,184.06			Negotiable
			CALIFORNIA EDISON					
			COMPANY					
328297	08-MAR-12		SOUTHERN		509.20			Negotiable
			CALIFORNIA EDISON					
			COMPANY					
328298	08-MAR-12		SOUTHERN COUNTIES		67.24			Negotiable
			LUBRICANTS LLC					
328299	08-MAR-12		SPATIAL WAVE, INC.		2,400.00			Negotiable
328300	08-MAR-12		STEVEN ENTERPRISES		756.93			Negotiable
			INC					
328301	08-MAR-12		SUNNYHILLS		2,635.73			Negotiable
			RESTORATION					
328302	08-MAR-12		SUPERMEDIA LLC		69.75			Negotiable
328303	08-MAR-12		T AND S LARSEN		360.00			Negotiable
			MAINTENANCE					
328304	08-MAR-12		TEKRAULICS		3,756.17			Negotiable
328305	08-MAR-12		THE GAS COMPANY		19.46			Negotiable
328306	08-MAR-12		THE PLUMBERS		807.72			Negotiable
			WAREHOUSE					
328307	08-MAR-12		TIC-IPG-COMMON		17.65			Negotiable
328308	08-MAR-12		TROPICAL PLAZA		3,702.00			Negotiable
			NURSERY INC					
328309	08-MAR-12		TRUGREEN LANDCARE		866.83			Negotiable
			LLC					
328310	08-MAR-12		ULINE INC		216.29			Negotiable
328311	08-MAR-12		UNDERGROUND		543.00			Negotiable
			SERVICE ALERT OF					
			SOUTHERN					
			CALIFORNIA					
328312	08-MAR-12		UNISAN PRODUCTS		824.60			Negotiable
328313	08-MAR-12		UNITED PARCEL		135.14			Negotiable
			SERVICE INC					
328314	08-MAR-12		UNITED SITE		483.52			Negotiable
			SERVICES OF					
			CALIFORNIA INC					
328315	08-MAR-12		UNITED STATES		63.71			Negotiable
			POSTAL SERVICE					
328316	08-MAR-12		UNIVAR USA INC		9,500.97			Negotiable
328317	08-MAR-12		US PEROXIDE LLC		33,485.80			Negotiable
328318	08-MAR-12		USA BLUEBOOK		1,347.27			Negotiable
328319	08-MAR-12		VERIZON CALIFORNIA		212.40			Negotiable
			INC					
328320	08-MAR-12		VULCAN MATERIALS		2,518.96			Negotiable
			COMPANY					

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 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								
328321	08-MAR-12		WALTERS WHOLESALE		538.75			Negotiable
			ELECTRIC					
328322	08-MAR-12		WASTE MANAGEMENT		3,247.04			Negotiable
			OF ORANGE COUNTY					
328323	08-MAR-12		WATERBORNE, INC		415.00			Negotiable
328324	08-MAR-12		WAXIE'S		2,405.95			Negotiable
			ENTERPRISES, INC					
328325	08-MAR-12		WECK LABORATORIES		448.50			Negotiable
			INC					
328326	08-MAR-12		WORKFLOWONE		2,387.98			Negotiable
328327	09-MAR-12		SOUTH COAST AIR	DIAMOND	2,104.36			Negotiable
			QUALITY MANAGEMENTBAR 2					
			DISTRICT					
328328	09-MAR-12		SOUTH COAST AIR	DIAMOND	2,104.36			Negotiable
			QUALITY MANAGEMENTBAR 2					

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
328329	09-MAR-12	DISTRICT SOUTH COAST AIR DIAMOND QUALITY MANAGEMENTBAR 2			2,731.47			Negotiable
328330	09-MAR-12	DISTRICT APD CONSULTANTS INC			3,065.00			Negotiable
328331	09-MAR-12	AVISTA TECHNOLOGIES, INC			2,834.70			Negotiable
328332	09-MAR-12	BOYD & ASSOCIATES			3,708.00			Negotiable
328333	09-MAR-12	COMMERCIAL DOOR OF ORANGE COUNTY, INC.			401.54			Negotiable
328334	09-MAR-12	CONEYBEARE INC			1,866.18			Negotiable
328335	09-MAR-12	DATASITE INC			1,186.00			Negotiable
328336	09-MAR-12	DDB ENGINEERING, INC.			20,566.60			Negotiable
328337	09-MAR-12	DRAEGER SAFETY INC			1,336.71			Negotiable
328338	09-MAR-12	EI&C ENGINEERING INC			8,360.00			Negotiable
328339	09-MAR-12	ENVIRON INTERNATIONAL CORP.			9,582.93			Negotiable
328340	09-MAR-12	HOME DEPOT USA INC			719.11			Negotiable
328341	09-MAR-12	HR/LABOR SOLUTIONS INC			8,023.98			Voided
328342	09-MAR-12	INDUSTRIAL SHOE CO			5,915.81			Negotiable
328343	09-MAR-12	LA HABRA FENCE COMPANY INC			1,435.00			Negotiable
328344	09-MAR-12	MC MASTER CARR SUPPLY CO			503.95			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 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								
328345	09-MAR-12	ORANGE COUNTY SANITATION DISTRICT			3,595,769.00			Voided
328346	09-MAR-12	RAM AIR ENGINEERING INC			4,140.95			Negotiable
328347	09-MAR-12	RINGCLEAR LLC			46.84			Negotiable
328348	09-MAR-12	SALEM LUTHERAN CHURCH OF ORANGE INC			788.72			Negotiable
328349	09-MAR-12	SANDERS PAVING INC			650.00			Negotiable
328350	09-MAR-12	SANTA ANA BLUE PRINT			3,733.67			Negotiable
328351	09-MAR-12	SANTA ANA CITY OF			12,650.00			Negotiable
328352	09-MAR-12	SERRANO WATER DISTRICT			46,203.21			Negotiable
328353	09-MAR-12	STATE WATER RESOURCES CONTROL BOARD			853.00			Negotiable
328354	09-MAR-12	TESTAMERICA LABORATORIES, INC			495.60			Negotiable
328355	09-MAR-12	WALTERS WHOLESALE ELECTRIC			1,341.97			Negotiable
328356	09-MAR-12	WAXIE'S ENTERPRISES, INC			847.30			Negotiable
328357	09-MAR-12	WESTERN EXTERMINATOR COMPANY			7,314.50			Negotiable
328358	15-MAR-12	Beth Beeman			40.00			Negotiable
328359	15-MAR-12	David Batten			117.72			Negotiable
328360	15-MAR-12	Frederick Bertsch			887.06			Negotiable
328361	15-MAR-12	Jason Tran			39.00			Negotiable
328362	15-MAR-12	Martha Ramos			214.42			Negotiable
328363	15-MAR-12	Mary Matheis			535.57			Negotiable
328364	15-MAR-12	Nancy Savedra			41.36			Negotiable
328365	15-MAR-12	Peer Swan			600.46			Negotiable
328366	15-MAR-12	Pio Reynoso			365.00			Negotiable
328367	15-MAR-12	Scott Van Deusen			73.00			Negotiable
328368	15-MAR-12	ACTION ELECTRIC CORP			365.60			Negotiable
328369	15-MAR-12	ADS LLC			1,936.50			Negotiable
328370	15-MAR-12	AIRGAS-WEST, INC.			2,181.63			Negotiable
328371	15-MAR-12	AT&T			48.21			Negotiable
328372	15-MAR-12	AT&T			1,770.90			Negotiable
328373	15-MAR-12	ATHENS SERVICES			1,086.56			Negotiable
328374	15-MAR-12	BAKERSFIELD WELL & PUMP CO			275,357.00			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 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
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Payment Document : IRWD CHECK

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
328375		15-MAR-12	BATTERY SPECIALTIES		1,163.70			Negotiable
328376		15-MAR-12	BOWIE, ARNESON, WILES & GIANNONE		10,393.50			Negotiable
328377		15-MAR-12	BTF PRECISE MICROBIOLOGY INC.		524.10			Negotiable
328378		15-MAR-12	BUSH & ASSOCIATES INC		6,756.00			Negotiable
328379		15-MAR-12	C WELLS PIPELINE MATERIALS INC		3,300.39			Negotiable
328380		15-MAR-12	CALIFORNIA BARRICADE INC		3,077.63			Negotiable
328381		15-MAR-12	CALPERS		300.00			Negotiable
328382		15-MAR-12	CANON BUSINESS SOLUTIONS INC		460.10			Negotiable
328383		15-MAR-12	CH2M HILL, INC		26,449.68			Negotiable
328384		15-MAR-12	CITIGROUP GLOBAL MARKETS INC.		302.47			Negotiable
328385		15-MAR-12	CITY OF IRVINE		3,285.80			Negotiable
328386		15-MAR-12	CITY OF LAKE FOREST		7,365.60			Negotiable
328387		15-MAR-12	CITY OF ORANGE		991.30			Negotiable
328388		15-MAR-12	CLEAN ENERGY FUELS		859.67			Negotiable
328389		15-MAR-12	COASTAL TRAFFIC SYSTEMS, INC		510.00			Negotiable
328390		15-MAR-12	CONEYBEARE INC		1,595.65			Negotiable
328391		15-MAR-12	CORELOGIC INC		30.00			Negotiable
328392		15-MAR-12	COVARRUBIAS, JOSE & CELIA		434.96			Negotiable
328393		15-MAR-12	CRAWFORD CO, J A		2,490.77			Negotiable
328394		15-MAR-12	D & G SIGNS		808.13			Negotiable
328395		15-MAR-12	D & H WATER SYSTEMS INC.		7,251.15			Negotiable
328396		15-MAR-12	DCSE INC		4,230.00			Negotiable
328397		15-MAR-12	DME INC		671.33			Negotiable
328398		15-MAR-12	DUDEK		2,537.50			Negotiable
328399		15-MAR-12	DUDLEY RIDGE WATER DISTRICT		130.47			Negotiable
328400		15-MAR-12	DUKE'S ROOT CONTROL INC		48,111.45			Negotiable
328401		15-MAR-12	EAST ORANGE COUNTY WATER DISTRICT		635.05			Negotiable
328402		15-MAR-12	EMPLOYEE BENEFIT SPECIALIST, INC		1,370.00			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 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								
328403		15-MAR-12	ENVIRON INTERNATIONAL CORP.		14,358.23			Negotiable
328404		15-MAR-12	EXPRESSAIR		122.50			Negotiable
328405		15-MAR-12	FARRELL & ASSOCIATES		503.07			Negotiable
328406		15-MAR-12	FARWEST CORROSION CONTROL CO		3,766.22			Negotiable
328407		15-MAR-12	FEDEX		274.22			Negotiable
328408		15-MAR-12	FERGUSON WATERWORKS		6,414.67			Negotiable
328409		15-MAR-12	FERGUSON, DAVID		7,267.21			Negotiable
328410		15-MAR-12	FIRST CHOICE SERVICES		1,748.83			Negotiable
328411		15-MAR-12	FISERV		10,287.70			Negotiable
328412		15-MAR-12	FISHER SCIENTIFIC COMPANY LLC		1,053.58			Negotiable
328413		15-MAR-12	FLUID CONSERVATION SYSTEMS INC		170.00			Negotiable
328414		15-MAR-12	FT ZIEBARTH COMPANY		299,011.52			Negotiable
328415		15-MAR-12	GCI CONSTRUCTION, INC.		22,332.13			Negotiable
328416		15-MAR-12	GEI CONSULTANTS INC		32,845.53			Negotiable
328417		15-MAR-12	GENTERRA CONSULTANTS INC		11,183.75			Negotiable
328418		15-MAR-12	GEOSCIENCE SUPPORT SERVICES INC		29,971.00			Negotiable
328419		15-MAR-12	GMU GEOTECHNICAL INC		3,966.25			Negotiable
328420		15-MAR-12	GRAINGER		2,842.19			Negotiable
328421		15-MAR-12	HACH COMPANY		3,275.51			Negotiable
328422		15-MAR-12	HAMILTON, KURT		508.24			Negotiable
328423		15-MAR-12	HILL BROTHERS CHEMICAL COMPANY		1,176.08			Negotiable
328424		15-MAR-12	HOME DEPOT USA INC		734.77			Negotiable

328425	15-MAR-12	HYDRO-SCAPE PRODUCTS INC		439.36		Negotiable
328426	15-MAR-12	II FUELS INC		35,123.98		Negotiable
328427	15-MAR-12	IRVINE PIPE & SUPPLY INC		665.82		Negotiable
328428	15-MAR-12	IRWD-PETTY CASH CUSTODIAN		600.85		Negotiable
328429	15-MAR-12	JCI JONES CHEMICALS INC		4,492.40		Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 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								
328430		15-MAR-12	KENNEDY, JON		144.99			Negotiable
328431		15-MAR-12	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		3,120.00			Negotiable
328432		15-MAR-12	KOELLER NEBEKER CARLSON & HALUCK, LLP		1,114.53			Negotiable
328433		15-MAR-12	KONECRANES INC		320.00			Negotiable
328434		15-MAR-12	KS DIRECT LLC		2,366.19			Negotiable
328435		15-MAR-12	LCS TECHNOLOGIES, INC.		6,312.50			Negotiable
328436		15-MAR-12	MALCOLM PIRNIE INC		19,233.58			Negotiable
328437		15-MAR-12	MARSH RISK & INSURANCE SVCS		2,548.00			Negotiable
328438		15-MAR-12	MC MASTER CARR SUPPLY CO		1,804.98			Negotiable
328439		15-MAR-12	MCFARLAND, VICKI		289.97			Negotiable
328440		15-MAR-12	MICHAEL A BACA		4,900.00			Negotiable
328441		15-MAR-12	NATIONAL READY MIXED CONCRETE CO		1,031.61			Negotiable
328442		15-MAR-12	OCE NORTH AMERICA INC		15,130.93			Negotiable
328443		15-MAR-12	OLIN CORPORATION		2,608.23			Negotiable
328444		15-MAR-12	ON ASSIGNMENT LAB SUPPORT		2,489.60			Negotiable
328445		15-MAR-12	ORACLE AMERICA, INC.		20,609.04			Negotiable
328446		15-MAR-12	ORANGE COUNTY FIRE AUTHORITY		940.00			Negotiable
328447		15-MAR-12	ORANGE COUNTY HOSE		269.71			Negotiable
328448		15-MAR-12	ORANGE COUNTY TREASURER		373.80			Negotiable
328449		15-MAR-12	ORANGE COUNTY VECTOR CONTROL DISTRICT		290.76			Negotiable
328450		15-MAR-12	ORANGE, COUNTY OF		365.00			Negotiable
328451		15-MAR-12	PACIFIC COAST BOLT CORP		6,917.87			Negotiable
328452		15-MAR-12	PACIFIC GAS AND ELECTRIC COMPANY		62.15			Negotiable
328453		15-MAR-12	PAPER DEPOT DOCUMENT DESTRUCTION LLC		648.00			Negotiable
328454		15-MAR-12	PEREZ, JESUS		2,978.45			Negotiable
328455		15-MAR-12	PINNACLE TOWERS LLC		7.81			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 19
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328456		15-MAR-12	PIPELOGIX INC		1,900.00			Negotiable
328457		15-MAR-12	PRAXAIR DISTRIBUTION INC		1,568.45			Negotiable
328458		15-MAR-12	PRINCIPAL LIFE INSURANCE		23,314.07			Negotiable
328459		15-MAR-12	PROCESS PUMP SALES INC		734.84			Negotiable
328460		15-MAR-12	PRUDENTIAL OVERALL SUPPLY		775.63			Negotiable
328461		15-MAR-12	PSOMAS		30,619.44			Negotiable
328462		15-MAR-12	RAM AIR ENGINEERING INC		1,300.36			Negotiable
328463		15-MAR-12	RBF CONSULTING		1,344.00			Negotiable
328464		15-MAR-12	REACH EMPLOYEE ASSISTANCE INC		785.20			Negotiable
328465		15-MAR-12	RESPONSE ENVELOPE, INC		1,776.67			Negotiable
328466		15-MAR-12	SANTA ANA BLUE		422.70			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
			PRINT					
328467	15-MAR-12		SANTA ANA CITY OF		5,514.00			Negotiable
328468	15-MAR-12		SECURTEC DISTRICT PATROL INC		3,700.00			Negotiable
328469	15-MAR-12		SHAMROCK SUPPLY CO INC		252.14			Negotiable
328470	15-MAR-12		SOUTHERN CALIFORNIA EDISON COMPANY		18,234.63			Negotiable
328471	15-MAR-12		STEMAR EQUIPMENT & SUPPLY CO., INC		726.00			Negotiable
328472	15-MAR-12		SYNAGRO SOUTH, LLC		17,821.44			Negotiable
328473	15-MAR-12		TAIT ENVIRONMENTAL SERVICES INC		289.20			Negotiable
328474	15-MAR-12		TESTAMERICA LABORATORIES, INC		184.80			Negotiable
328475	15-MAR-12		THE FURMAN GROUP		672.00			Negotiable
328476	15-MAR-12		THE GAS COMPANY		1,361.27			Negotiable
328477	15-MAR-12		THE MARLIN COMPANY		15,885.51			Negotiable
328478	15-MAR-12		TIC-HYATT		8,195.56			Negotiable
328479	15-MAR-12		TRIPAC MARKETING INC		756.04			Negotiable
328480	15-MAR-12		TROPICAL PLAZA NURSERY INC		14,829.49			Negotiable
328481	15-MAR-12		UNITED PARCEL SERVICE INC		49.34			Negotiable
328482	15-MAR-12		URS CORPORATION		282.50			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 20
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328483	15-MAR-12		VERIZON CALIFORNIA INC		43.04			Negotiable
328484	15-MAR-12		VORTEX INDUSTRIES INC		149.95			Negotiable
328485	15-MAR-12		VULCAN MATERIALS COMPANY		1,292.55			Negotiable
328486	15-MAR-12		VWR INTERNATIONAL, LLC		2,296.67			Negotiable
328487	15-MAR-12		WESTERN AV		29,858.20			Negotiable
328488	15-MAR-12		WESTERN EXTERMINATOR COMPANY		1,618.00			Negotiable
328489	15-MAR-12		YSI INCORPORATED		506.10			Negotiable
328490	15-MAR-12		ZEE MEDICAL SERVICE CO		762.89			Negotiable
328491	15-MAR-12		DUDLEY RIDGE WATERPAY DISTRICT		5,059.64			Negotiable
328492	15-MAR-12		SANTIAGO AQUEDUCT PAY COMMISSION		5,445.88			Negotiable
328493	15-MAR-12		SANTIAGO AQUEDUCT PAY COMMISSION		9,917.23			Negotiable
328494	16-MAR-12		JCI JONES CHEMICALS INC	CINCINNATI	5,615.50			Negotiable
328495	22-MAR-12		HR/LABOR SOLUTIONSMANHATTAN INC	BEACH	8,023.98			Negotiable
328496	22-MAR-12		BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	1,151.00			Negotiable
328497	22-MAR-12		Charles Boone		88.00			Negotiable
328498	22-MAR-12		Eric Akiyoshi		22.20			Negotiable
328499	22-MAR-12		Fernando Cuevas		150.00			Negotiable
328500	22-MAR-12		Jack Justice		132.00			Negotiable
328501	22-MAR-12		Paul Cook		5.00			Negotiable
328502	22-MAR-12		Steven Malloy		882.28			Negotiable
328503	22-MAR-12		ADT SECURITY SERVICES INC		849.84			Negotiable
328504	22-MAR-12		AFLAC		5,512.46			Negotiable
328505	22-MAR-12		ANIXTER INC		28,639.95			Negotiable
328506	22-MAR-12		APPLE STORE/ETHAN FIKE		1,738.19			Negotiable
328507	22-MAR-12		ARCADIS U.S., INC.		5,044.47			Negotiable
328508	22-MAR-12		AST CORPORATION		317,842.78			Negotiable
328509	22-MAR-12		AT&T		15.72			Negotiable
328510	22-MAR-12		AT&T		10,918.83			Negotiable
328511	22-MAR-12		AT&T INTERNET SERVICES		299.00			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 21
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								

328512	22-MAR-12	BIOMAGIC INC	2,363.12	Negotiable
328513	22-MAR-12	BLR INC	784.45	Negotiable
328514	22-MAR-12	BORCHARD SURVEYING & MAPPING, INC.	19,109.50	Negotiable
328515	22-MAR-12	BOWIE, ARNESON, WILES & GIANNONE	45,693.66	Negotiable
328516	22-MAR-12	BUSH & ASSOCIATES INC	5,148.00	Negotiable
328517	22-MAR-12	CALIBRATE, INC.	2,499.00	Negotiable
328518	22-MAR-12	CLEARINGHOUSE	528.45	Negotiable
328519	22-MAR-12	COLONIAL LIFE & ACCIDENT INSURANCE CO.	1,854.94	Negotiable
328520	22-MAR-12	CONEYBEARE INC	3,702.60	Negotiable
328521	22-MAR-12	DELTA SYSTEMS ENGINEERING	12,584.75	Negotiable
328522	22-MAR-12	DIRECTV INC	89.99	Negotiable
328523	22-MAR-12	DJ NELSON & SON POOL SERVICE	2,247.55	Negotiable
328524	22-MAR-12	ELEMENT MATERIALS TECHNOLOGY HUNTINGTON BEACH INC	500.00	Negotiable
328525	22-MAR-12	EMERALD COURT I APTS	37,400.17	Negotiable
328526	22-MAR-12	FARRELL & ASSOCIATES	196.36	Negotiable
328527	22-MAR-12	FEDEX	24.44	Negotiable
328528	22-MAR-12	FERGUSON WATERWORKS	4,333.65	Negotiable
328529	22-MAR-12	FISHER SCIENTIFIC COMPANY LLC	5,322.52	Negotiable
328530	22-MAR-12	FLATIRON WEST INC	686,932.83	Negotiable
328531	22-MAR-12	FLEET SOLUTIONS LLC	3,992.00	Negotiable
328532	22-MAR-12	FORTIS RESOURCE PARTNERS INC	2,065.80	Negotiable
328533	22-MAR-12	FRANCHISE TAX BOARD	641.89	Negotiable
328534	22-MAR-12	GRAINGER	828.69	Negotiable
328535	22-MAR-12	HACH COMPANY	332.88	Negotiable
328536	22-MAR-12	HARPER & ASSOCIATES ENGINEERING INC	12,325.00	Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 22
 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								
328537		22-MAR-12	HARRINGTON INDUSTRIAL PLASTICS LLC		1,460.01			Negotiable
328538		22-MAR-12	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY		180.38			Negotiable
328539		22-MAR-12	HDR ENGINEERING INC		127,676.10			Negotiable
328540		22-MAR-12	HILL BROTHERS CHEMICAL COMPANY		16,184.56			Negotiable
328541		22-MAR-12	HOME DEPOT USA INC		701.88			Negotiable
328542		22-MAR-12	INDUSTRIAL ELECTRIC MACHINERY LLC		2,634.34			Negotiable
328543		22-MAR-12	INTERNAL REVENUE SERVICE		1,462.81			Negotiable
328544		22-MAR-12	IRVINE PIPE & SUPPLY INC		1,473.80			Negotiable
328545		22-MAR-12	JACK GOSCH FORD, INC.		98,091.92			Negotiable
328546		22-MAR-12	JOHN G. ALEVIZOS D.O. INC.		757.87			Negotiable
328547		22-MAR-12	KANA PIPELINE INC		9,645.00			Negotiable
328548		22-MAR-12	KELLY SERVICES INC		1,361.92			Negotiable
328549		22-MAR-12	LEATHERWOOD CONSTRUCTION INC		2,742.30			Negotiable
328550		22-MAR-12	LEATHERWOOD CONSTRUCTION INC		363,441.14			Negotiable
328551		22-MAR-12	LIFTING TECHNOLOGIES INC		7,890.05			Negotiable
328552		22-MAR-12	LOCHRIDGE, DAVID		5,280.00			Negotiable
328553		22-MAR-12	LSA ASSOCIATES INC		500.00			Negotiable
328554		22-MAR-12	MALCOLM PIRNIE INC		60,987.09			Negotiable
328555		22-MAR-12	MAYER HOFFMAN MCCANN P.C.		5,778.00			Negotiable
328556		22-MAR-12	MCCLAIN'S FURNITURE INC		540.00			Negotiable
328557		22-MAR-12	MCR TECHNOLOGIES INC		4,602.53			Negotiable
328558		22-MAR-12	MECHANICAL SEAL		1,486.95			Negotiable

328559	22-MAR-12	REPAIR INC MERCHANTS LANDSCAPE SERVICES INC	475.00	Negotiable
328560	22-MAR-12	MISCOWATER	2,069.88	Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 23
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328561		22-MAR-12	MOBILE MODULAR MANAGEMENT CORPORATION		1,108.75			Negotiable
328562		22-MAR-12	MOUSE GRAPHICS		305.58			Negotiable
328563		22-MAR-12	NATIONAL READY MIXED CONCRETE CO		1,591.88			Negotiable
328564		22-MAR-12	NEWPORT BEACH, CITY OF		911.33			Negotiable
328565		22-MAR-12	NINYO & MOORE		29,370.00			Negotiable
328566		22-MAR-12	NMG GEOTECHNICAL INC		37,112.00			Negotiable
328567		22-MAR-12	O'HAREN GOVERNMENT RELATIONS		6,500.00			Negotiable
328568		22-MAR-12	OLIN CORPORATION		25,656.11			Negotiable
328569		22-MAR-12	ON ASSIGNMENT LAB SUPPORT		1,244.80			Negotiable
328570		22-MAR-12	ORACLE AMERICA, INC.		102,577.97			Negotiable
328571		22-MAR-12	ORANGE, COUNTY OF		478.00			Negotiable
328572		22-MAR-12	ORDONEZ, CYNTHIA MARIE		500.17			Negotiable
328573		22-MAR-12	PACIFIC GAS AND ELECTRIC COMPANY		24.18			Negotiable
328574		22-MAR-12	PASCAL & LUDWIG CONSTRUCTORS		46,269.30			Negotiable
328575		22-MAR-12	PASCAL & LUDWIG CONSTRUCTORS		416,423.70			Negotiable
328576		22-MAR-12	PAULUS ENGINEERING INC		304,605.00			Negotiable
328577		22-MAR-12	PERS LONG TERM CARE		1,394.27			Negotiable
328578		22-MAR-12	PINNACLE LANDSCAPE COMPANY		1,221.00			Negotiable
328579		22-MAR-12	PINNACLE TOWERS LLC		569.34			Negotiable
328580		22-MAR-12	PLUMB, MICHAEL		1,642.64			Negotiable
328581		22-MAR-12	PR DIAMOND PRODUCTS INC		1,392.00			Negotiable
328582		22-MAR-12	PRE-PAID LEGAL SERVICES INC		1,599.16			Negotiable
328583		22-MAR-12	PROFORMA PRINT & MARKETING		1,154.61			Negotiable
328584		22-MAR-12	PRUDENTIAL OVERALL SUPPLY		882.73			Negotiable
328585		22-MAR-12	PTI SAND & GRAVEL INC		334.81			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 24
 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								
328586		22-MAR-12	RAM AIR ENGINEERING INC		2,266.17			Negotiable
328587		22-MAR-12	SANTA ANA CITY OF		52.62			Negotiable
328588		22-MAR-12	SEPARATION PROCESSES INC		2,598.50			Negotiable
328589		22-MAR-12	SOUTH COAST WATER DISTRICT		462.81			Negotiable
328590		22-MAR-12	SOUTHERN CALIFORNIA EDISON COMPANY		173,005.34			Negotiable
328591		22-MAR-12	SPARKLETTS		110.36			Negotiable
328592		22-MAR-12	STANTEC CONSULTING SERVICES INC.		1,909.25			Negotiable
328593		22-MAR-12	SULLY-MILLER CONTRACTING CO.		1,430.20			Negotiable
328594		22-MAR-12	SUPERIOR WATER TECHNOLOGIES		9,014.00			Negotiable
328595		22-MAR-12	TETRA TECH, INC		12,872.50			Negotiable
328596		22-MAR-12	TETRA TECH, INC		14,343.17			Negotiable
328597		22-MAR-12	THE GAS COMPANY		163.44			Negotiable
328598		22-MAR-12	THE GAS COMPANY		5,410.80			Negotiable
328599		22-MAR-12	TIC-SPECTRUM		2,313.04			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
328600	22-MAR-12	22-MAR-12	OFFICE TRUGREEN LANDCARE LLC		810.06			Negotiable
328601	22-MAR-12	22-MAR-12	UNITED PARCEL SERVICE INC		20.00			Negotiable
328602	22-MAR-12	22-MAR-12	UNITED SITE SERVICES OF CALIFORNIA INC		27.69			Negotiable
328603	22-MAR-12	22-MAR-12	VA CONSULTING, INC		7,593.34			Negotiable
328604	22-MAR-12	22-MAR-12	VERIZON CALIFORNIA INC		250.27			Negotiable
328605	22-MAR-12	22-MAR-12	WATER EDUCATION FOUNDATION		3,000.00			Negotiable
328606	22-MAR-12	22-MAR-12	YALE CHASE MATERIALS HANDLING INC		150.11			Negotiable
328607	22-MAR-12	22-MAR-12	ZEBRON CONTRACTING INC		4,700.00			Negotiable
328608	22-MAR-12	22-MAR-12	ACTION ELECTRIC CORP		518.63			Negotiable
328609	22-MAR-12	22-MAR-12	AIRGAS-WEST, INC.		31.90			Negotiable
328610	22-MAR-12	22-MAR-12	APPLIED INDUSTRIAL TECHNOLOGIES - CA LLC		1,506.38			Negotiable

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 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328611	22-MAR-12	22-MAR-12	AQUA-METRIC SALES COMPANY		11,056.77			Negotiable
328612	22-MAR-12	22-MAR-12	AST CORPORATION		2,424.74			Negotiable
328613	22-MAR-12	22-MAR-12	BATTERY SPECIALTIES		323.52			Negotiable
328614	22-MAR-12	22-MAR-12	BILL'S SWEEPING SERVICE INC		805.00			Negotiable
328615	22-MAR-12	22-MAR-12	BIOMAGIC INC		7,284.28			Negotiable
328616	22-MAR-12	22-MAR-12	BRENNTAG PACIFIC INC		14,675.55			Negotiable
328617	22-MAR-12	22-MAR-12	BROWN AND CALDWELL		22,376.08			Negotiable
328618	22-MAR-12	22-MAR-12	BURLINGTON SAFETY LABORATORY OF CALIFORNIA INC		180.89			Negotiable
328619	22-MAR-12	22-MAR-12	C WELLS PIPELINE MATERIALS INC		29,272.99			Negotiable
328620	22-MAR-12	22-MAR-12	CALIFORNIA BARRICADE INC		9,268.75			Negotiable
328621	22-MAR-12	22-MAR-12	CHROMANEX LLC		320.00			Negotiable
328622	22-MAR-12	22-MAR-12	COASTAL TRAFFIC SYSTEMS, INC		510.00			Negotiable
328623	22-MAR-12	22-MAR-12	CONEYBEARE INC		1,158.08			Negotiable
328624	22-MAR-12	22-MAR-12	CREDENTIAL CHECK CORPORATION		99.00			Negotiable
328625	22-MAR-12	22-MAR-12	D & G SIGNS		646.50			Negotiable
328626	22-MAR-12	22-MAR-12	DELTA SYSTEMS ENGINEERING		7,743.13			Negotiable
328627	22-MAR-12	22-MAR-12	DUDEK		7,778.75			Negotiable
328628	22-MAR-12	22-MAR-12	IRVINE PIPE & SUPPLY INC		21.07			Negotiable
328629	22-MAR-12	22-MAR-12	JOHNSTONE SUPPLY		604.31			Negotiable
328630	22-MAR-12	22-MAR-12	MC MASTER CARR SUPPLY CO		118.73			Negotiable
328631	22-MAR-12	22-MAR-12	MODERN WATER INC		1,424.23			Negotiable
328632	22-MAR-12	22-MAR-12	RAININ INSTRUMENT LLC		100.49			Negotiable
328633	22-MAR-12	22-MAR-12	REFRIGERATION SUPPLIES		571.54			Negotiable
328634	22-MAR-12	22-MAR-12	SANDERS PAVING INC		10,850.00			Negotiable
328635	22-MAR-12	22-MAR-12	SANTA ANA BLUE PRINT		664.88			Negotiable
328636	22-MAR-12	22-MAR-12	SHAMROCK SUPPLY CO INC		1,372.39			Negotiable
328637	22-MAR-12	22-MAR-12	SIGMA-ALDRICH INC		283.53			Negotiable
328638	22-MAR-12	22-MAR-12	SOUTH COAST WATER		40.00			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
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 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328639	22-MAR-12	22-MAR-12	THE PLUMBERS WAREHOUSE		80.16			Negotiable
328640	22-MAR-12	22-MAR-12	THOMPSON INDUSTRIAL SUPPLY		211.38			Negotiable

328641	22-MAR-12	TRANSCAT, INC	422.34	Negotiable
328642	22-MAR-12	TREE OF LIFE NURSERY	334.89	Negotiable
328643	22-MAR-12	TRIPAC MARKETING INC	557.70	Negotiable
328644	22-MAR-12	TROPICAL PLAZA NURSERY INC	22,425.00	Negotiable
328645	22-MAR-12	ULTRA SCIENTIFIC	329.00	Negotiable
328646	22-MAR-12	VA CONSULTING, INC	6,829.15	Negotiable
328647	22-MAR-12	VULCAN MATERIALS COMPANY	1,252.73	Negotiable
328648	22-MAR-12	WALTERS WHOLESALE ELECTRIC	451.55	Negotiable
328649	22-MAR-12	WELLS SUPPLY COMPANY	141.15	Negotiable
328650	22-MAR-12	VA CONSULTING, INCPAY	8,798.06	Negotiable
328651	29-MAR-12	WAXIE'S PAY ENTERPRISES, INC	724.08	Negotiable
328652	29-MAR-12	WECK LABORATORIES PAY INC	325.00	Negotiable
328653	29-MAR-12	DIONEX CORPORATIONBOSTON	931.03	Negotiable
328654	29-MAR-12	WESTERN WATER CHINO WORKS SUPPLY COMPANY	877.95	Negotiable
328655	29-MAR-12	Amy McNulty	48.25	Negotiable
328656	29-MAR-12	Casey King	60.00	Negotiable
328657	29-MAR-12	Gretchen Maswadeh	59.40	Negotiable
328658	29-MAR-12	Jacob Moeder	35.00	Negotiable
328659	29-MAR-12	Joseph McGehee	35.00	Negotiable
328660	29-MAR-12	Lars Oldewage	105.81	Negotiable
328661	29-MAR-12	Leslie Bonkowski	123.79	Negotiable
328662	29-MAR-12	Mike Bornhoff	173.89	Negotiable
328663	29-MAR-12	Richard Mori	30.00	Negotiable
328664	29-MAR-12	Wayne Wright	164.00	Negotiable
328665	29-MAR-12	ACTION ELECTRIC CORP	398.59	Negotiable
328666	29-MAR-12	ADT SECURITY SERVICES INC	2,012.32	Negotiable
328667	29-MAR-12	ALLIANCE APPRAISAL, LLC	1,135.00	Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 27
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328668		29-MAR-12	ALMEGA ENVIRONMENTAL & TECHNICAL SERVICES		5,735.85			Negotiable
328669		29-MAR-12	AMATO, ANDREW		17.20			Negotiable
328670		29-MAR-12	APPLIED INDUSTRIAL TECHNOLOGIES - CA LLC		1,068.76			Negotiable
328671		29-MAR-12	ARCADIS U.S., INC.		3,312.28			Negotiable
328672		29-MAR-12	ASSOCIATED POWER INC		2,018.97			Negotiable
328673		29-MAR-12	AT&T		4,566.96			Negotiable
328674		29-MAR-12	AT&T		252.38			Negotiable
328675		29-MAR-12	BAVCO BACKFLOW APPARATUS & VALVE COMPANY		429.92			Negotiable
328676		29-MAR-12	BILL'S SWEEPING SERVICE INC		460.00			Negotiable
328677		29-MAR-12	BIOMAGIC INC		8,874.85			Negotiable
328678		29-MAR-12	BOKOSKY, WHITNEY		29.46			Negotiable
328679		29-MAR-12	BUSH & ASSOCIATES INC		8,312.00			Negotiable
328680		29-MAR-12	BUSINESS PROPERTIES		15.00			Negotiable
328681		29-MAR-12	BUTIER ENGINEERING INC		20,862.00			Negotiable
328682		29-MAR-12	C WELLS PIPELINE MATERIALS INC		3,416.57			Negotiable
328683		29-MAR-12	CAL WATER PURIFICATION		80.00			Negotiable
328684		29-MAR-12	CALIFORNIA BARRICADE INC		5,982.50			Negotiable
328685		29-MAR-12	CDW GOVERNMENT LLC		625.54			Negotiable
328686		29-MAR-12	CH2M HILL, INC		109,963.00			Negotiable
328687		29-MAR-12	CHADHA, PARATH		42.21			Negotiable
328688		29-MAR-12	CHAPMAN, TARA		30.39			Negotiable
328689		29-MAR-12	CHEM TECH INTERNATIONAL INC		7,826.50			Negotiable
328690		29-MAR-12	CITY OF IRVINE		16,518.80			Negotiable
328691		29-MAR-12	COASTAL TRAFFIC SYSTEMS, INC		1,350.00			Negotiable
328692		29-MAR-12	COBB, BYRON		54.19			Negotiable
328693		29-MAR-12	COLE, DAVID S		368.19			Negotiable
328694		29-MAR-12	COMMERCIAL CLEANING SYSTEMS		240.00			Negotiable

328695 INC
 IRWD Ledger 29-MAR-12 CONEYBEARE INC 3,788.65 Negotiable
 Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 28
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328696		29-MAR-12	CONTROLLED KEY SYSTEMS INC		92.00			Negotiable
328697		29-MAR-12	COX COMMUNICATIONS		191.15			Negotiable
328698		29-MAR-12	D & G SIGNS		290.92			Negotiable
328699		29-MAR-12	DCSE INC		5,240.00			Negotiable
328700		29-MAR-12	DUDEK		3,108.52			Negotiable
328701		29-MAR-12	EAGLE GRAPHICS INC		1,769.93			Negotiable
328702		29-MAR-12	EMA INC		9,690.96			Negotiable
328703		29-MAR-12	ENVIRONMENTAL EXPRESS INC		2,468.33			Negotiable
328704		29-MAR-12	EQUIPCO SALES & SERVICE		2,022.62			Negotiable
328705		29-MAR-12	ESA PWA		1,534.70			Negotiable
328706		29-MAR-12	ESKELSON, MELISSA		20.00			Negotiable
328707		29-MAR-12	EVANS-HYDRO INC		8,538.76			Negotiable
328708		29-MAR-12	EDWARDS, CHRISTINA		47.47			Negotiable
328709		29-MAR-12	EXPRESSAIR		137.00			Negotiable
328710		29-MAR-12	FARRELL & ASSOCIATES		492.64			Negotiable
328711		29-MAR-12	FIRST CHOICE SERVICES		281.32			Negotiable
328712		29-MAR-12	FISERV		779.75			Negotiable
328713		29-MAR-12	FISHER SCIENTIFIC COMPANY LLC		5,424.39			Negotiable
328714		29-MAR-12	FLW SERVICE CORPORATION		555.00			Negotiable
328715		29-MAR-12	FOOTHILL BUSINESS ASSN		1,303.28			Negotiable
328716		29-MAR-12	FORBIS, JOHN		209.04			Negotiable
328717		29-MAR-12	GANAHL LUMBER CO.		148.98			Negotiable
328718		29-MAR-12	GEOPENTECH, INC.		3,100.00			Negotiable
328719		29-MAR-12	GEORGE YARDLEY CO INC		1,803.17			Negotiable
328720		29-MAR-12	GOOGLE INC.		3,141.84			Negotiable
328721		29-MAR-12	GRAINGER		1,868.42			Negotiable
328722		29-MAR-12	H2O RESOURCES ENGINEERING INC		1,500.00			Negotiable
328723		29-MAR-12	HACH COMPANY		2,601.45			Negotiable
328724		29-MAR-12	HANSON BRIDGETT LLP		24,596.05			Negotiable
328725		29-MAR-12	HARMSWORTH ASSOCIATES		4,540.00			Negotiable
328726		29-MAR-12	HEALTH SCIENCE ASSOCIATES, INC.		3,992.50			Negotiable
328727		29-MAR-12	HOME DEPOT USA INC		1,120.83			Negotiable

IRWD Ledger 29-MAR-12 CONEYBEARE INC 3,788.65 Negotiable
 Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 29
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328728		29-MAR-12	HUNSAKER & ASSOCIATES IRVINE		6,388.72			Negotiable
328729		29-MAR-12	INTERNATIONAL RISK MANAGEMENT		300.62			Negotiable
328730		29-MAR-12	IREY, JANET K		489.31			Negotiable
328731		29-MAR-12	IRON MOUNTAIN INFORMATION MANAGEMENT INC		3,183.61			Negotiable
328732		29-MAR-12	IRVINE COMMUNITY CHURCH		269.49			Negotiable
328733		29-MAR-12	IRVINE PIPE & SUPPLY INC		8,081.00			Negotiable
328734		29-MAR-12	IRWD-PETTY CASH CUSTODIAN		1,294.97			Negotiable
328735		29-MAR-12	J G CONSTRUCTION		673.98			Negotiable
328736		29-MAR-12	JCI JONES CHEMICALS INC		352.00			Negotiable
328737		29-MAR-12	JEONG, YOUNG-SUK		32.63			Negotiable
328738		29-MAR-12	JOE RHODES MAINT. SERVICE, INC.		547.82			Negotiable
328739		29-MAR-12	KARIYA, PAUL		167.44			Negotiable
328740		29-MAR-12	KELLEY BLUE BOOK, INC.		98.00			Negotiable
328741		29-MAR-12	KELLY SERVICES INC		2,213.12			Negotiable
328742		29-MAR-12	KEY EQUIPMENT FINANCE		3,972.93			Negotiable

328743	29-MAR-12	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES	325.00	Negotiable
328744	29-MAR-12	KIM, EDWARD	30.12	Negotiable
328745	29-MAR-12	KIM, SOON TAE	3,100.00	Negotiable
328746	29-MAR-12	KOCH MEMBRANE SYSTEMS	50.00	Negotiable
328747	29-MAR-12	KPRS CONSTRUCTION SERVICES, INC	148,245.99	Negotiable
328748	29-MAR-12	LABELLE-MARVIN INC	12,640.00	Negotiable
328749	29-MAR-12	LAGUNA BEACH COUNTY WATER DISTRICT	517.50	Negotiable
328750	29-MAR-12	LAM, DUNG	28.44	Negotiable
328751	29-MAR-12	LANDRY, LINETTE	25.73	Negotiable
328752	29-MAR-12	LEWIS OPERATING CORP	1,000.00	Negotiable
328753	29-MAR-12	LSA ASSOCIATES INC	1,449.92	Negotiable
328754	29-MAR-12	LUBRICATION ENGINEERS, INC.	715.46	Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 30
 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								
328755		29-MAR-12	MARVIN GARDENS LLC		2,593.70			Negotiable
328756		29-MAR-12	MBC APPLIED ENVIRONMENTAL SCIENCES		3,000.00			Negotiable
328757		29-MAR-12	MC MASTER CARR SUPPLY CO		362.60			Negotiable
328758		29-MAR-12	MEDLIN, ANDREA		32.35			Negotiable
328759		29-MAR-12	MICHAELS, ROSS & COLE LTD		6,660.00			Negotiable
328760		29-MAR-12	MILOS CAFE INC		138.67			Negotiable
328761		29-MAR-12	MOODEY, JOHN		6.22			Negotiable
328762		29-MAR-12	MORR-IS TESTED INC		1,400.00			Negotiable
328763		29-MAR-12	MOTION INDUSTRIES INC		2,710.86			Negotiable
328764		29-MAR-12	NATIONAL READY MIXED CONCRETE CO		1,429.69			Negotiable
328765		29-MAR-12	NEW DIMENSION CONSTRUCTION		9,494.22			Negotiable
328766		29-MAR-12	NEWPORT BEACH, CITY OF		1,612.18			Negotiable
328767		29-MAR-12	NEWPORT COAST REAL ESTATE		37.52			Negotiable
328768		29-MAR-12	NGO, LINH H		56.88			Negotiable
328769		29-MAR-12	NINYO & MOORE		355.50			Negotiable
328770		29-MAR-12	OCEAN BLUE ENVIRONMENTAL SERVICES INC		5,950.00			Negotiable
328771		29-MAR-12	OLIN CORPORATION		5,203.87			Negotiable
328772		29-MAR-12	ON ASSIGNMENT LAB SUPPORT		1,244.80			Negotiable
328773		29-MAR-12	ONESOURCE DISTRIBUTORS LLC		1,836.31			Negotiable
328774		29-MAR-12	OSTS, INC		6,600.00			Negotiable
328775		29-MAR-12	PARKWAY LAWMOWER SHOP		1,253.30			Negotiable
328776		29-MAR-12	PASCAL & LUDWIG CONSTRUCTORS		109,937.43			Negotiable
328777		29-MAR-12	PASCAL & LUDWIG CONSTRUCTORS		12,215.27			Negotiable
328778		29-MAR-12	PAUL E BRADLEY INC		1,755.00			Negotiable
328779		29-MAR-12	PRAXAIR DISTRIBUTION INC		2,418.26			Negotiable
328780		29-MAR-12	PROGRESSIVE BUSINESS PUBLICATIONS		299.00			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 31
 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								
328781		29-MAR-12	PRUDENTIAL OVERALL SUPPLY		775.29			Negotiable
328782		29-MAR-12	FSB THE MARKETING SUPERSOURCE		968.26			Negotiable
328783		29-MAR-12	PSOMAS		60.18			Negotiable
328784		29-MAR-12	PTI SAND & GRAVEL INC		954.22			Negotiable
328785		29-MAR-12	RAWLINGS, TESSA		234.06			Negotiable

328786	29-MAR-12	RBF CONSULTING	43,035.73	Negotiable
328787	29-MAR-12	REBOLLEDO DIAZ, AUGUSTIN	654.93	Negotiable
328788	29-MAR-12	RHODIA INC	9,165.02	Negotiable
328789	29-MAR-12	SABAGHIAN, HIRAD	76.24	Negotiable
328790	29-MAR-12	SAIC ENERGY, ENVIRONMENT & INFRASTRUCTURE LLC	6,263.50	Negotiable
328791	29-MAR-12	SAN DIEGO FLUID SYSTEM TECH	21.18	Negotiable
328792	29-MAR-12	SANTA ANA BLUE PRINT	4,051.19	Negotiable
328793	29-MAR-12	SCHOOPING GEORGINA C	0.91	Negotiable
328794	29-MAR-12	SEVERINO, CAROLYN	3,796.52	Negotiable
328795	29-MAR-12	SHAMROCK SUPPLY CO INC	3,498.87	Negotiable
328796	29-MAR-12	SLATER BUILDERS INC	714.60	Negotiable
328797	29-MAR-12	SNYDER LANGSTON L.P.	171,699.30	Negotiable
328798	29-MAR-12	SOUTH COAST ANSWERING SERVICE	395.85	Negotiable
328799	29-MAR-12	SOUTHERN CALIFORNIA EDISON COMPANY	118,160.60	Negotiable
328800	29-MAR-12	SOUTHERN CALIFORNIA SECURITY CENTER, INC.	327.40	Negotiable
328801	29-MAR-12	STEVEN ENTERPRISES INC	241.08	Negotiable
328802	29-MAR-12	T AND S LARSEN MAINTENANCE	360.00	Negotiable
328803	29-MAR-12	TESTAMERICA LABORATORIES, INC	56.70	Negotiable
328804	29-MAR-12	TETRA TECH, INC	13,822.50	Negotiable
328805	29-MAR-12	TETRA TECH, INC	58,681.75	Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 32
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
328806		29-MAR-12	THE FURMAN GROUP		10,080.00			Negotiable
328807		29-MAR-12	THE GAS COMPANY		50.00			Negotiable
328808		29-MAR-12	THOMPSON INDUSTRIAL SUPPLY		2,664.42			Negotiable
328809		29-MAR-12	TRUGREEN LANDCARE LLC		64,492.00			Negotiable
328810		29-MAR-12	ULTRA SCIENTIFIC		462.74			Negotiable
328811		29-MAR-12	UNITED PARCEL SERVICE INC		33.75			Negotiable
328812		29-MAR-12	URS CORPORATION		495.00			Negotiable
328813		29-MAR-12	US PEROXIDE LLC		14,398.70			Negotiable
328814		29-MAR-12	VERIZON CALIFORNIA INC		276.89			Negotiable
328815		29-MAR-12	VERIZON WIRELESS SERVICES LLC		12,666.01			Negotiable
328816		29-MAR-12	VICI METRONICS		227.40			Negotiable
328817		29-MAR-12	VPSI INC		9,287.00			Negotiable
328818		29-MAR-12	WADIN, JAMES R		830.15			Negotiable
328819		29-MAR-12	WAXIE'S ENTERPRISES, INC		275.15			Negotiable
328820		29-MAR-12	WECK LABORATORIES INC		275.00			Negotiable
328821		29-MAR-12	WOOD, BRANDY		5.94			Negotiable
328822		29-MAR-12	WYLAND, BRETT		61.94			Negotiable
328823		29-MAR-12	XYLEM DEWATERING SOLUTIONS INC		4,732.38			Negotiable
328824		29-MAR-12	FEDEX		992.05			Negotiable
328825		29-MAR-12	KPRS CONSTRUCTION SERVICES, INC		305,634.01			Negotiable
328826		29-MAR-12	A&G INSTRUMENT SERVICE AND CALIBRATION, INC.		758.00			Negotiable
328827		29-MAR-12	AQUA-METRIC SALES COMPANY		11,056.77			Negotiable
328828		29-MAR-12	COAST PLUMBING HEATING AND AIR, INC		656.47			Negotiable
328829		29-MAR-12	URS CORPORATION		1,512.50			Negotiable
328830		29-MAR-12	US BANK NAT'L ASSOCIATION NORTH DAKOTA		88,047.61			Negotiable
328831		29-MAR-12	Andrew Brown		102.12			Negotiable
328832		29-MAR-12	John Withers		290.58			Negotiable
328833		29-MAR-12	Michael Hoolihan		113.87			Negotiable
328834		29-MAR-12	Roberta Sitzler		49.30			Negotiable
328835		29-MAR-12	Steven LaMar		669.64			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 33
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
Payment Document Subtotal:					13,516,365.47			
Payment Document : IRWD Wire								
9342		07-MAR-12	YORK INSURANCE SERVICES GROUP INC - CA	PAY	250.24			Negotiable
9343		21-MAR-12	YORK INSURANCE SERVICES GROUP INC - CA	PAY	430.47			Negotiable
9344		21-MAR-12	YORK INSURANCE SERVICES GROUP INC - CA	PAY	4,745.84			Negotiable
9345		28-MAR-12	CALPERS	SACRAMENTO	310,817.26			Negotiable
9346		27-MAR-12	YORK INSURANCE SERVICES GROUP INC - CA	PAY	1,864.08			Negotiable
9347		28-MAR-12	U.S. BANK NATIONAL ASSOCIATION	ST. LOUIS	7,815.09			Negotiable
9348		28-MAR-12	GREAT WEST	DENVER	19,651.93			Negotiable
9349		28-MAR-12	U.S. BANK NATIONAL ASSOCIATION	ST. LOUIS	4,594.25			Negotiable
9350		28-MAR-12	BANK OF AMERICA	SAN FRANCISCO	6,413.95			Negotiable
9351		28-MAR-12	SUMITOMO MITSUI BANKING CORPORAION	NEW YORK	1,783.39			Negotiable
9352		28-MAR-12	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	8,474.01			Negotiable
9353		28-MAR-12	HELABA LANDESBANK HESSEN-THUERINGEN	NEW YORK	226.15			Negotiable
9354		28-MAR-12	BANK OF AMERICA	SAN FRANCISCO	4,401.31			Negotiable
9355		28-MAR-12	SUMITOMO MITSUI BANKING CORPORAION	NEW YORK	5,460.98			Negotiable
9356		28-MAR-12	INTERNAL REVENUE SERVICE	FRESNO	151,615.27			Negotiable
9357		28-MAR-12	FRANCHISE TAX BOARD	SACRAMENTO	42,530.11			Negotiable
9358		28-MAR-12	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,352.68			Negotiable
9359		28-MAR-12	WILLIAMS, TWYLA	PARKER	658.62			Negotiable

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 34
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
9360		28-MAR-12	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	1,950.56			Negotiable
9361		28-MAR-12	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	12,207.18			Negotiable
9362		28-MAR-12	GREAT WEST	DENVER	86,430.57			Negotiable
9363		28-MAR-12	J.R. FILANC CONSTRUCTION COMPANY INC.	ESCONDIDO	3,821,197.40			Negotiable
9364		29-MAR-12	CALPERS	SACRAMENTO	254,929.88			Negotiable
9365		29-MAR-12	BANK OF AMERICA	PAY	814,021.68			Negotiable
9366		29-MAR-12	MERRILL LYNCH CITIGROUP GLOBAL MARKETS INC.	NEW YORK	814,021.62			Negotiable
9367		29-MAR-12	GREAT WEST	DENVER	853.16			Negotiable
9368		29-MAR-12	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	152.78			Negotiable
9369		29-MAR-12	U.S. BANK NATIONAL ASSOCIATION	ST. LOUIS	8,135.84			Negotiable
9370		29-MAR-12	MUNICIPAL WATER DISTRICT OF ORANGEVALLEY COUNTY	FOUNTAIN	586,642.85			Negotiable
9371		29-MAR-12	INTERNAL REVENUE SERVICE	FRESNO	144,723.21			Negotiable
9372		29-MAR-12	FRANCHISE TAX BOARD	SACRAMENTO	39,525.58			Negotiable
9373		29-MAR-12	EMPLOYMENT	W	10,328.55			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Status
			DEVELOPMENT DEPARTMENT	SACRAMENTO		
9374	29-MAR-12		WILLIAMS, TWYLA	PARKER	658.62	Negotiable
9375	29-MAR-12		CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,143.02	Negotiable
9376	29-MAR-12		EMPLOYEE BENEFIT SPECIALIST, INC	PAY	11,551.04	Negotiable
9377	29-MAR-12		GREAT WEST	DENVER	85,117.32	Negotiable
9378	29-MAR-12		CALPERS		248,828.11	Negotiable
9379	29-MAR-12		BANK OF AMERICA		20,000.00	Negotiable

Payment Document Subtotal: 7,545,504.60

IRWD Ledger Payment Register For 01-MAR-12 To 31-MAR-12 Report Date: 02-APR-2012 16:52
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 35
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Bank Account Subtotal :					21,061,870.07			
Report Count : 906			Report Total:		21,061,870.07			

*** End of Report ***

March 26, 2012

Prepared and Submitted by: Various

Approved by: Paul Cook *[Signature]*

CONSENT CALENDAR

DISTRICT STRATEGIC MEASURES DASHBOARD

SUMMARY:

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

RECOMMENDATION:

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

EXHIBITS:

Exhibit "A" – Strategic Measures Dashboard

Exhibit "B" – Dyer Road Wellfield Status

Exhibit "C" – Reservoir Data

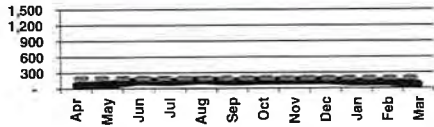
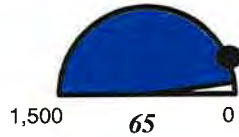
IRVINE RANCH WATER DISTRICT STRATEGIC MEASURES DASHBOARD

March 2012

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

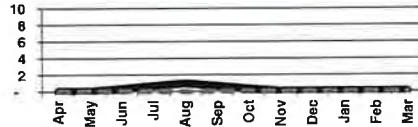
Reliability-Potable/Nonpotable

Target = 200 customer hours out of service this month



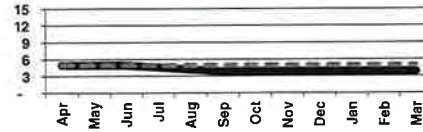
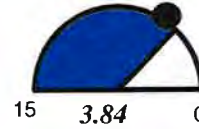
Sewer Spills

Target = 0 Spills this month



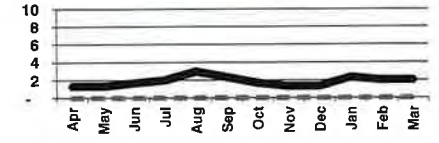
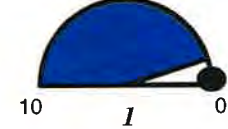
OCSD CORF Flows

Target = 4.95 MGD
CORF flow to OCSD this month



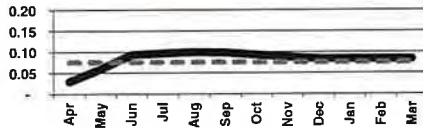
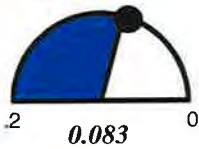
OSHA Recordables

Target = 0 reportable accidents this month



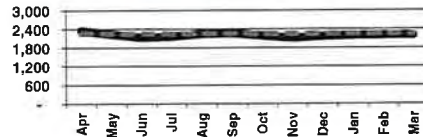
MWRP Energy Cost per kwh

Target = .0792 cost per kWh this month



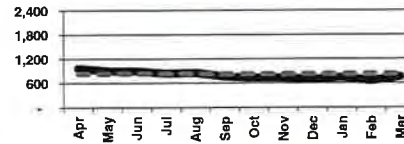
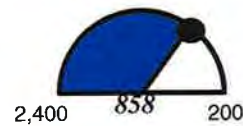
Wastewater Cost

Target = \$2,241/MG processed this month



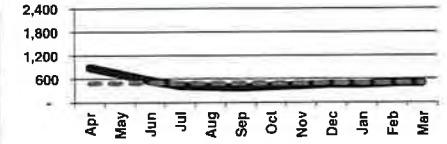
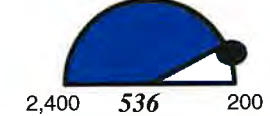
Water System Cost--Potable

Target = \$832/ac-ft delivered this month



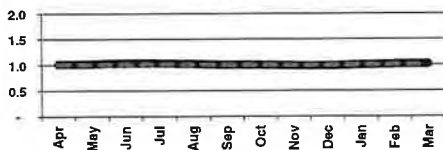
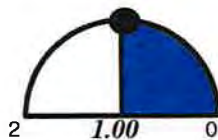
Water System Cost--Nonpotable

Target = \$493/ac-ft delivered this month



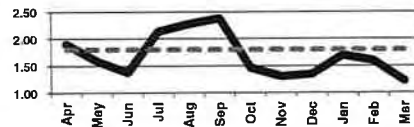
Enterprise Return

Target = 1.0 (net income/goal) last month



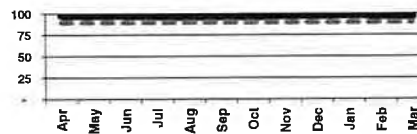
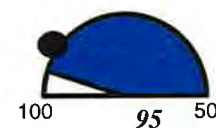
Overhead Ratio

Target = 1.90 (G&A expenses/direct labor) this month



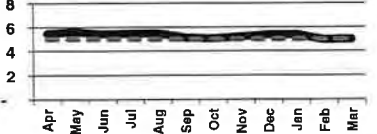
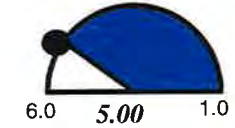
Customer Satisfaction

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> April 2011
April 2011	120.60		<i>Thru:</i> March 2012
May 2011	45.68		<i>Goal:</i> 200.00
June 2011	283.80		
July 2011	62.33		
August 2011	148.10		
September 2011	176.90		
October 2011	130.00		
November 2011	114.50		
December 2011	197.10		
January 2012	35.42		
February 2012	98.10		
March 2012	65.10		

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

MONTHLY DATA

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

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. Information not available at time of reporting.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> April 2011
April 2011	4.92		<i>Thru:</i> March 2012
May 2011	4.93		<i>Goal:</i> 4.95
June 2011	4.95		
July 2011	3.85		
August 2011	3.83		
September 2011	3.83		
October 2011	3.83		
November 2011	3.83		
December 2011	3.84		
January 2012	3.84		
February 2012	3.84		
March 2012	Not available		

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. Water Quality Engineer Planner, vehicle accident, University Drive & Culver, injury included cuts, bruises, stiff neck, swollen ankle, and bruised ribs

MONTHLY DATA

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

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. Information not available at time of reporting.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	From: April 2011
April 2011	.09		Thru: March 2012
May 2011	.09		Goal: .08
June 2011	.10		
July 2011	.10		
August 2011	.10		
September 2011	.10		
October 2011	.09		
November 2011	.08		
December 2011	.08		
January 2012	.08		
February 2012	.08		
March 2012	Not available		

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. Flow information not available at time of reporting.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> April 2011
April 2011	2,297.00	2,378.00	<i>Thru:</i> March 2012
May 2011	2,143.23	2,375.00	<i>Goal:</i> 2,256.00
June 2011	1,973.19	2,378.00	
July 2011	2,393.00	2,380.00	
August 2011	2,390.00	2,386.00	
September 2011	2,040.00	2,386.00	
October 2011	2,126.00	2,190.00	
November 2011	2,186.00	2,196.00	
December 2011	2,196.00	2,206.00	
January 2012	2,202.00	2,232.00	
February 2012	2,218.65	2,241.00	
March 2012	Not available	2,256.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Water System Cost--Potable

MONTHLY STATUS REPORT

Metric Owner: Denise To-Nguyen

Accountant

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. None

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> April 2011
April 2011	951.24	873.74	<i>Thru:</i> March 2012
May 2011	728.69	920.18	<i>Goal:</i> 832.00
June 2011	1,005.05	943.89	
July 2011	798.49	854.55	
August 2011	773.00	789.00	
September 2011	731.00	768.00	
October 2011	699.00	866.00	
November 2011	795.17	858.00	
December 2011	587.43	828.00	
January 2012	859.01	836.00	
February 2012	543.39	834.00	
March 2012	858.00	832.00	

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Water System Cost--Nonpotable

MONTHLY STATUS REPORT

Metric Owner: Denise To-Nguyen

Accountant

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. The actual cost of non-potable water exceeded budgeted expectations due to sales falling more than 10% below the forecasted target.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> April 2011
April 2011	777.61	563.92	<i>Thru:</i> March 2012
May 2011	424.12	452.90	<i>Goal:</i> 493.00
June 2011	471.96	413.85	
July 2011	394.00	432.00	
August 2011	338.00	408.00	
September 2011	413.08	422.00	
October 2011	490.00	451.00	
November 2011	404.40	468.00	
December 2011	517.82	485.00	
January 2012	463.75	473.00	
February 2012	500.14	486.00	
March 2012	536.00	493.00	

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 March measure is on budget.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> April 2011
April 2011	1.06		<i>Thru:</i> March 2012
May 2011	1.02		<i>Goal:</i> 1.00
June 2011	1.05		
July 2011	1.04		
August 2011	.98		
September 2011	1.00		
October 2011	1.03		
November 2011	.95		
December 2011	.99		
January 2012	1.07		
February 2012	1.00		
March 2012	1.00		

IRVINE RANCH WATER DISTRICT
STRATEGIC MEASURES

Overhead Ratio

MONTHLY STATUS REPORT

Metric Owner: Jessica Craig

Accountant

Definition of Measure:

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

Method:

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

Data Collection

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

Current Issues

1. Information not available at time of reporting.

MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> April 2011
April 2011	1.72		<i>Thru:</i> March 2012
May 2011	1.06		<i>Goal:</i> 1.80
June 2011	1.36		
July 2011	3.99		
August 2011	1.48		
September 2011	1.68		
October 2011	1.24		
November 2011	1.00		
December 2011	1.81		
January 2012	2.28		
February 2012	.70		
March 2012	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: 95%
 Satisfaction: 93%
 Timely: 96%
 Phone: 98%
 Field Contact: 93%

MONTHLY DATA

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

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. 12 surveys were returned of 29 surveys sent (41%). 8 of 29 respondents (67%) rated satisfaction as 5 or 6 on a scale of 1 to 6. In the 12 month period ending March 2012, 100 surveys have been returned of 297 surveys sent (34%). 81 of 100 respondents (81%) rated satisfaction as 5 or 6 on a scale of 1 to 6. 12 month average rating is 5.23%.

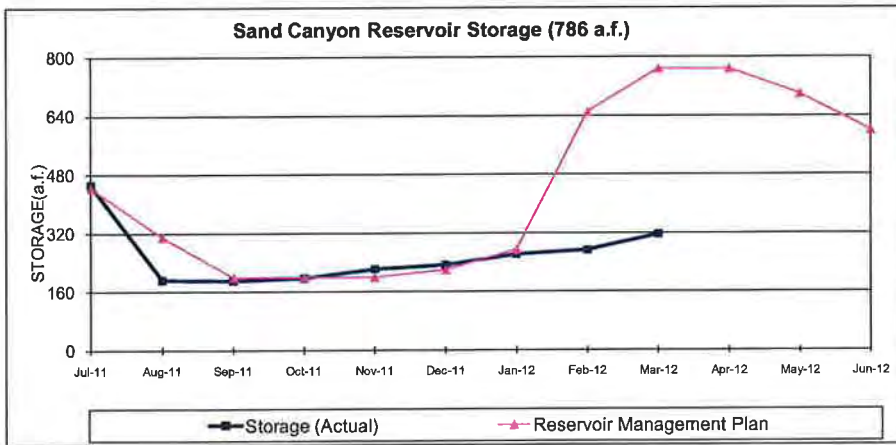
MONTHLY DATA

<u>Month</u>	<u>Value</u>	<u>Goal</u>	<i>From:</i> April 2011
April 2011	5.46		<i>Thru:</i> March 2012
May 2011	5.33		<i>Goal:</i> 5.00
June 2011	5.50		
July 2011	5.63		
August 2011	5.38		
September 2011	4.38		
October 2011	5.36		
November 2011	5.91		
December 2011	4.86		
January 2012	5.40		
February 2012	4.60		
March 2012	5.00		

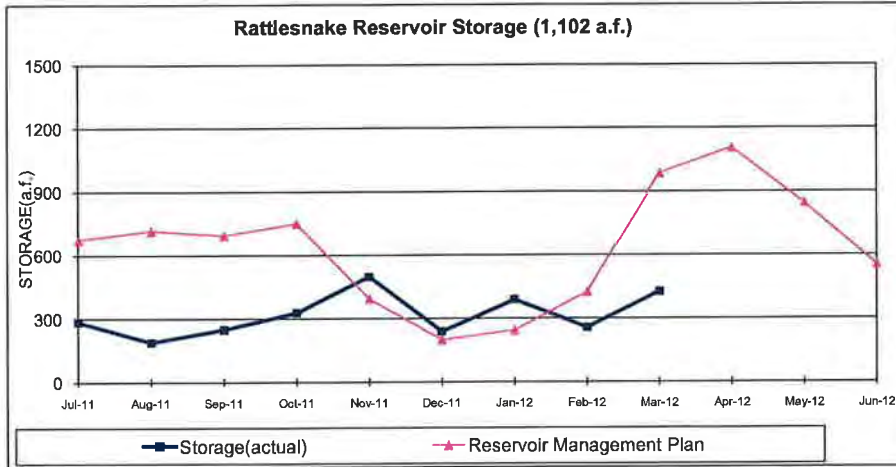
EXHIBIT "B"

DYER ROAD WELL FIELD STATUS							Mar-2012
Well Number	Production Mo./YTD	Ref. Point Elevation	Depth to Water 3/31/2012	Water Level-MSL	Depth of Bowls	Bowl Setting-MSL	Feet of Water Above Intake
1	147.8 AF 726.0 AF	34	N/A	N/A	270	-236	N/A
2	96.8 AF 1,068.4 AF	37	161	-125	270	-234	109
3	0.0 AF 0.0 AF	55	89	-34	215	-160	126
4	92.8 AF 808.1 AF	38	128	-90	216	-178	88
5	116.9 AF 923.9 AF	48	264	-216	290	-242	26
6	112.9 AF 792.8 AF	43	74	-31	250	-207	176
7	156.6 AF 793.6 AF	40	218	-178	290	-250	72
C-8 DATS	387.3 AF 3,737.7 AF	37	116	-79	305	-268	189
C-9 DATS	301.1 AF 2,885.9 AF	23	120	-97	305	-282	185
10	347.3 AF 1,680.6 AF	47	153	-106	250	-203	97
11	84.0 AF 638.9 AF	40	194	-154	300	-260	106
12	70.1 AF 827.6 AF	51	157	-106	300	-249	143
13	3.1 AF 197.8 AF	40	172	-132	300	-260	128
14	99.5 AF 800.2 AF	47	164	-117	311	-264	147
15	375.5 AF 1,790.7 AF	44	155	-111	300	-256	145
16	11.6 AF 419.1 AF	47	97	-50	280	-233	183
17	284.1 AF 1,775.8 AF	52	171	-120	250	-199	79
18	70.2 AF 548.2 AF	45	213	-168	300	-255	87
Clear production:		2,069.2 AF for the month					
FYTD:		13,791.7 AF					
DATS production:		688.4 AF for the month					
FYTD:		6,623.6 AF					

RESERVOIR DATA FY 11-12



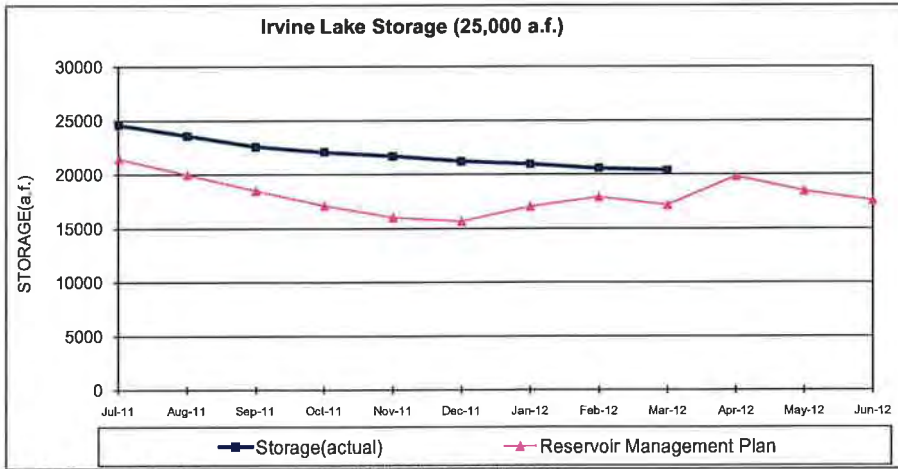
Storage was under 200 AF by October 1 as required by Regional Board permit.



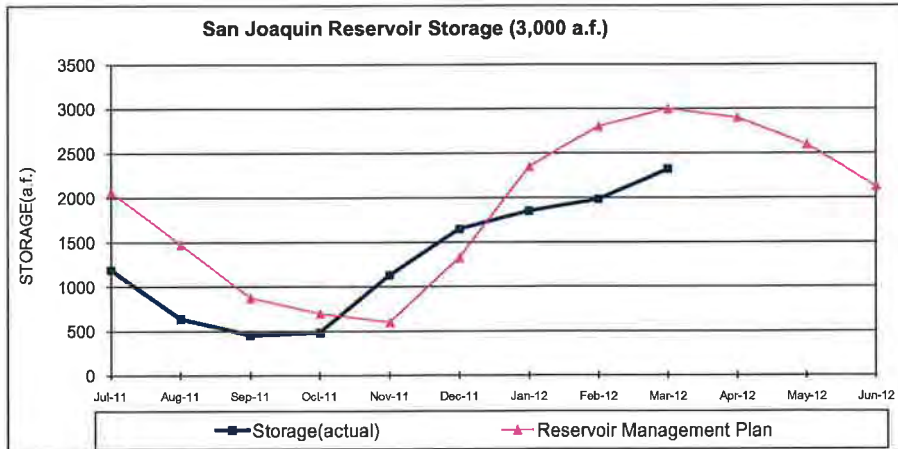
Rattlesnake storage is below average due to dry weather. The GAP was shutdown on 3/15/12.

Exhibit "C"

RESERVOIR DATA FY 11-12



Irvine Lake storage is above average due to rainfall and reduced demands.



All Lake Forest recycled demand is being supplied from the East Irvine Zone B system. The GAP was started on to help control seasonal storage.

April 23, 2012

Prepared by: G. Springman

Submitted by: W. Posey/D. Pedersen *D.W.P.*

Approved by: Paul Cook *P. Cook*

CONSENT CALENDAR

FISCAL YEAR 2011-12 MANHOLE
REHABILITATION PROJECT – CONSTRUCTION AWARD

SUMMARY:

The Fiscal Year 2011-12 Manhole Rehabilitation Project consists of repairing and rehabilitating approximately 50 sewer manhole structures at various locations within IRWD’s service area. Staff recommends that the Board authorize the General Manager to execute a construction contract with Zebron Contracting, Inc., in the amount of \$192,500, for the Fiscal Year 2011-12 Manhole Rehabilitation Project 20922.

BACKGROUND:

The Fiscal Year 2011-12 Manhole Rehabilitation Project consists of repairing and applying a urethane coating to the interior surfaces of approximately 50 concrete sewer manhole structures that have deteriorated due to exposure to hydrogen sulfide gas. Additionally, the project includes providing traffic control and replacing the manhole lids and rings, if necessary. The deteriorated manholes were identified during the routine collection system maintenance and inspection process.

Staff distributed the project specifications to three selected contractors: Zebron Contracting, Inc.; Sancon Engineering, Inc. and Urethane Solutions, Inc. All three contractors attended a pre-bid meeting held on March 13, 2012. Construction bids were submitted by Zebron Contracting Inc. and Sancon Engineering in the amounts of \$192,500 and \$221,375 respectively, based on the unit prices submitted (Exhibit “A”). Zebron Contracting Inc. has performed similar work for IRWD in the past and staff has found their coating product and workmanship to be of very good quality. Staff recommends award of the project to Zebron Contracting Inc. in the amount of \$192,500.

FISCAL IMPACTS:

Project 20922 (1175) is included in the approved Fiscal Year 2011-12 Capital Budget. An Expenditure Authorization in the amount of \$201,500 (Exhibit “B”) was approved by the Board for Project 20922 on July 25, 2011. The Project is funded from the Replacement Fund.

Project No.	Current Budget	Addition <Reduction>	Total Budget	Exist EA	This EA Request	Total EA Request
20922	\$201,500	-0-	\$201,500	\$201,500	-0-	\$201,500

ENVIRONMENTAL COMPLIANCE:

This project is categorically exempt from the California Environmental Quality Act pursuant to the California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15301 and 15302.

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH ZEBRON CONTRACTING, INC., IN THE AMOUNT OF \$192,500 FOR THE FISCAL YEAR 2011-12 MANHOLE REHABILITATION PROJECT 20922 (1175).

LIST OF EXHIBITS:

Exhibit “A” – Manhole Rehabilitation Project Bid Summary

Exhibit “B” – Expenditure Authorization

SEWER MANHOLE REHAB REQUEST FOR PRICING

ITEM	DESCRIPTION	4 FT MANHOLE DIA.	5 FT MANHOLE DIA.	6 FT MANHOLE DIA.	COMMENTS
	Tier 1				
1	0-10 feet	2,090	2,490	2,660	
2	10-15 feet	2,660	2,830	3,280	
3	15+ feet	3,110	3,510	4,020	
	Tier 2				
4	0-10 feet	3,110	3,340	3,560	
5	10-15 feet	3,560	4,020	4,240	
6	15+ feet	4,410	4,640	5,150	
	Tier 3				
7	0-10 feet	3,510	3,850	4,020	
8	10-15 feet	4,410	5,150	5,990	
9	15+ feet	5,990	6,730	7,630	
10	Traffic Control - Res	250	250	250	
11	Traffic Control - Major	1,250	1,250	1,250	
12	Lid & Ring Replacement	1,250	1,250	1,250	

3/19/2012

SEWER MANHOLE REHAB REQUEST FOR PRICING

ITEM	DESCRIPTION	4 FT MANHOLE DIA.	5 FT MANHOLE DIA.	6 FT MANHOLE DIA.	COMMENTS
	Tier 1				
1	0-10 feet	2,000 -	2,500 -	3,000 -	
2	10-15 feet	2,500 -	3,125 -	3,750 -	
3	15+ feet	3,000 -	3,750 -	4,500 -	
	Tier 2				
4	0-10 feet	3,000 -	3,750 -	4,500 -	
5	10-15 feet	3,500 -	4,375 -	5,250 -	
6	15+ feet	4,500 -	5,625 -	6,750 -	
	Tier 3	3,400 -			
7	0-10 feet	3,400 -	4,250 -	5,100 -	
8	10-15 feet	4,500 -	5,625 -	6,750 -	
9	15+ feet	6,000 -	7,500 -	9,000 -	
10	Traffic Control - Res	500 -	500 -	500 -	
11	Traffic Control - Major	2,500 -	2,500 -	2,500 -	
12	Lid & Ring Replacement	1500 -	1,500 -	1,500 -	

EXHIBIT "B"

IRVINE RANCH WATER DISTRICT
Expenditure Authorization

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

ID Split: Miscellaneous

Improvement District (ID) Allocations

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

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$192,500
Total EA Requests:	\$192,500
Previously Approved Budget:	\$192,500
Budget Adjustment Requested this EA:	\$0
Updated Budget:	\$192,500
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
CONSTRUCTION FIELD SUPPORT	5,000	0	5,000	0	5,000	5,000	7/11	6/12
CONSTRUCTION	170,000	0	170,000	0	170,000	170,000	7/11	6/12
Contingency - 10.00% Subtotal	\$17,500	\$0	\$17,500	\$0	\$17,500	\$17,500		
Subtotal (Direct Costs)	\$192,500	\$0	\$192,500	\$0	\$192,500	\$192,500		
Estimated G/A - 180.00% of direct labor*	\$9,000	\$0	\$9,000	\$0	\$9,000	\$9,000		
Total	\$201,500	\$0	\$201,500	\$0	\$201,500	\$201,500		
Direct Labor	\$5,000	\$0	\$5,000	\$0	\$5,000	\$5,000		

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

EA Originator: _____ *[Signature]* _____ *6/27/11*
Department Director: _____ *[Signature]* _____ *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 \$206,000. The above-captioned project is further described in the attached staff report and additional documents, if any, which are hereby incorporated by reference. IRWD has no intent to reimburse costs of the above-captioned project is made under Treasury Regulation Section 1.150-2.

April 23, 2012

Prepared by: S. Malloy

Submitted by: K. Burton

Approved by: Paul Cook

CONSENT CALENDAR

MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION AND FLOOD PROTECTION IMPROVEMENTS VARIANCE NO. 2

SUMMARY:

The Michelson Water Recycling Plant (MWRP) Phase 2 Expansion and Flood Protection Improvements are currently being constructed by J. R. Filanc Construction Company (Filanc). Staff recommends that the Board authorize the General Manager to execute Variance No. 2 with Harper and Associates in the amount of \$34,170 for supplemental coating inspection and engineering services associated with the MWRP Phase 2 Expansion.

BACKGROUND:

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

Variance No. 2:

Harper & Associates (Harper) has been providing as-needed coating inspection services for the facilities associated with the MWRP Phase 2 Expansion since 2010. Facilities that have required special coating inspection include the headwork facilities, new primary sedimentation tanks, sodium hypochlorite system, high rate clarifier, ultraviolet disinfection facility, and the alum facility. Harper has inspected all of these facilities and has worked well with staff and the Contractor on resolving several coating issues and coordinating the work.

Variance No. 2 is for additional coating inspection services for several facilities that require coating. The original contract and Variance No. 1 were allowances because, at the start of construction, it was indeterminate how long the application of the coating, especially the concrete protective coatings, would take. Based on the experience of the Phase 2 Expansion facilities that have been coated so far, estimated hours can be determined for the facilities remaining to be coated and the hours required to inspect these facilities. These facilities include the primary effluent channel, primary effluent pump station, the membrane bioreactors, chlorine contact tanks, magnesium hydroxide facility, and odor control.

Variance No. 2 includes the effort to inspect the coating for these aforementioned facilities. Variance No. 2 also includes engineering and inspection services for evaluation of the spent backwash supply tank and the associated report. There is also an allowance for engineering services to evaluate the chlorine contact tanks once Filanc cleans the tanks of the existing coating and debris. A preliminary evaluation of the tanks indicated that more extensive repairs could be required than anticipated. However, the extent of the repairs can only be determined once the existing and aged coating and debris are removed.

Staff verified that the level of effort required by Harper is consistent with the construction schedule. Staff reviewed the costs and negotiated changes with the engineer for Variance No. 2 which is attached as Exhibit "B".

FISCAL IMPACTS:

The MWRP Phase 2 Expansion, Project 20214 (1599) and Project 30214 (1706) is included in the FY 2011-12 Capital Budget. The existing budgets and Expenditure Authorizations are sufficient to fund Variance No. 2 with Harper.

ENVIRONMENTAL COMPLIANCE:

The Michelson Water Recycling Plant Phase 2 Expansion and Flood Protection Improvements, Projects 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118) are subject to the California Environmental Quality Act (CEQA) and in conformance with the California Code of Regulations Title 14, Chapter 3, Article 7, an Environmental Impact Report, SCH # 2005051174, was certified by the lead agency on February 27, 2006.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on April 17, 2012.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 2 WITH HARPER AND ASSOCIATES IN THE AMOUNT OF \$34,170 FOR SUPPLEMENTAL COATING INSPECTION AND ENGINEERING SERVICES ASSOCIATED WITH THE MWRP PHASE 2 EXPANSION, PROJECTS 20214 (1599) AND 30214 (1706).

LIST OF EXHIBITS:

Exhibit "A" – Location Map

Exhibit "B" – Variance No. 2 with Harper and Associates



Overview of MWRP Phase 2 Expansion

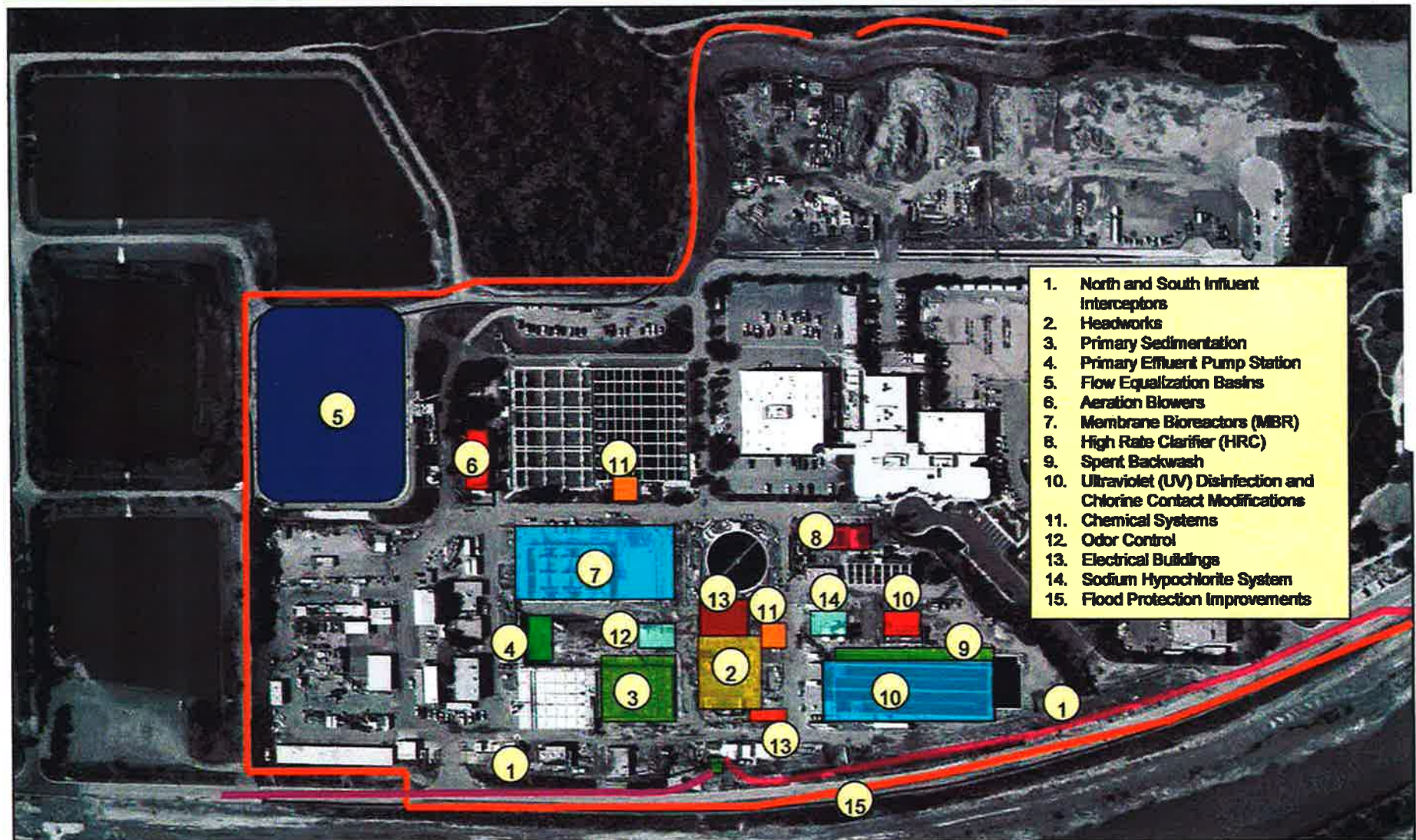


EXHIBIT "A"

**IRVINE EXHIBIT "B" DISTRICT
PROFESSIONAL SERVICES VARIANCE**

Project Title: Michelson Water Rec. Plant Phase 2 Expansion

Project No.: 20214
Purchase Order No.: 501689

Date: March 12, 2012
Variance No.: 2

Originator: IRWD ENGINEER/CONSULTANT Other (Explain) _____

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

Additional quality control inspection for MBR, Prim Eff. Misc. Items PEPS and Odor Control

Engineering & Management Cost Impact:

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
Inspection	503	\$50				\$25,150
Engineering	82	\$110				\$9,020
Total \$ =						\$34,170

Schedule Impact:

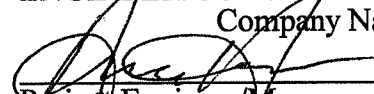
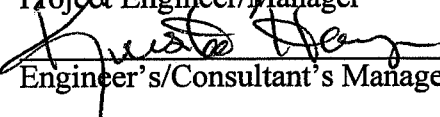
Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
1	Inspection	Aug. 1, 2012	5 months	Jan. 15, 2013

Required Approval Determination:

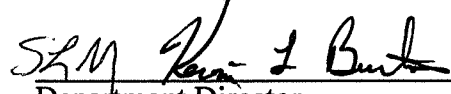
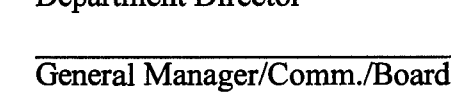
Total Original Contract \$30,000 Previous Variances \$30,000 This Variance \$34,170 Total Sum of Variances \$64,170 New Contract Amount \$94,170 Percentage of Total Variances to Original Contract _____ 214% %	<input type="checkbox"/> General Manager: Single Variance less than or equal to \$30,000. <input type="checkbox"/> Committee: Single Variance greater than \$30,000, and less than or equal to \$60,000. <input type="checkbox"/> Board: Single Variance greater than \$60,000. <input checked="" type="checkbox"/> Board: Cumulative total of Variances greater than \$60,000, or 30% of the original contract, whichever is higher.
--	--

ENGINEER/CONSULTANT: Harper & Associates
Company Name

IRVINE RANCH WATER DISTRICT


Project Engineer/Manager

Engineer's/Consultant's Management

4/2/12
Date
4/2/12
Date


Department Director

General Manager/Comm./Board

4/9/12
Date
Date

April 23, 2012 ^{pg}

Prepared by: K. Lew/M. Cortez

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

Approved by: Paul Cook ^{/P.C.}

CONSENT CALENDAR

TUSTIN LEGACY DEVELOPMENT REIMBURSEMENT AGREEMENT WITH CITY OF TUSTIN

SUMMARY:

The City of Tustin is proceeding with the development of Tustin Legacy and the construction of the street improvements, IRWD capital facilities and dry utilities of the development. Staff recommends that the Board:

- Authorize a budget increase for the Legacy Park Tustin Ranch Road Project 11379 in the amount of \$259,400, from \$686,700 to \$946,100; for Project 21379 in the amount of \$337,700, from \$703,300 to \$1,041,000; and for Project 31379 in the amount of \$271,200, from \$884,600 to \$1,155,800;
- Approve Expenditure Authorizations for Project 11379 in the amount of \$259,400, Project 21379 in the amount of \$337,700, and Project 31379 in the amount of \$271,200; and
- Authorize the General Manager to execute a Reimbursement Agreement with the City of Tustin for the design and construction of IRWD capital facilities on the Tustin Legacy Development.

BACKGROUND:

Reimbursement Agreement:

The engineering design for the Tustin Legacy development was initiated in 2008 by Shea Properties, who later withdrew from the project. The Tustin Community Redevelopment Agency (TCRA) subsequently took the developer role and re-started the design of the street improvements for Tustin Ranch Road (CIP 70100) in July 2011. In August 2011, the Board authorized the execution of a Reimbursement Agreement (RA) with the TCRA for the design and construction of capital improvements within the Tustin Legacy development. However, since redevelopment agencies were eliminated on December 29, 2011, prior to the execution of the agreement, the RA has been revised to reflect the City of Tustin as the party to the agreement. The RA has been reviewed by legal counsel and is attached as Exhibit "A".

The RA covers the design and construction of capital sized domestic water, sewer, and recycled water pipelines in Tustin Ranch Road, Valencia Road, Park Avenue, Legacy Road, Warner Avenue, and South Loop Road. The required capital facilities were documented in the April 2008 Revised Sub-Area Master Plan for the former Marine Corps Air Station Tustin/Legacy Park, prepared by RBF Consulting. The domestic water, sewer, and recycled water systems are shown in Exhibit "B".

Design Fees:

The design costs are shown in the table below:

Design Consultant	Description of Work	Cost
RBF Consulting	Domestic Water, Sewer, and Recycled Water facilities in Tustin Ranch Road	\$40,000
Hunsaker & Associates	Sewer and Recycled Water facilities in Valencia Road	\$27,740
Hunsaker & Associates	Domestic Water, Sewer, and Recycle Water facilities in Park Avenue and Legacy Road	\$41,100
RBF Consulting	Domestic Water and Recycled Water facilities in Warner Avenue and South Loop Road	\$67,000
Pacific States/Avocet	Groundwater Modeling for Tustin Ranch Road (effects of construction dewatering on plume adjacent to Tustin Ranch Road)	\$31,500
<i>Total Design</i>		\$207,340

Project Phasing and Construction Bid Opening:

The City will construct this project in two phases. Phase 1 includes the site grading and construction of storm drain improvements. The scheduled completion for Phase 1 is May 2012. Phase 2 includes the construction of the street improvements, IRWD facilities and dry utilities. Since the storm drain and IRWD facilities will be constructed in separate phases, the shared dewatering cost issue experienced in a previous City of Tustin project (sewer construction by SEMA), is eliminated.

The City opened construction bids for the Phase 2 work on February 28, 2012, and submitted the bid summary to the District for review and approval. Bids were received from five contractors: CC Myers, Flatiron, Griffith Company, RJ Noble (Noble) and Shawnan. The apparent low bidder for the entire project, including IRWD's facilities, is Noble with a bid of \$27.4 million. The five contractors submitted bids between \$27.4 million to \$28.5 million; the engineer's estimate was \$28.8 million. The costs for the IRWD facilities ranged from \$1.6 million to \$2.3 million; the engineer's estimate was \$1.4 million. Although Noble's bid for the IRWD facilities was the highest at \$2.3 million, staff believes Noble's bid is reasonable since the bids from three out of the remaining four contractors were each within \$130,000 of Noble's cost. The Bid Summary is attached as Exhibit "C".

The design of IRWD Capital facilities within Warner Avenue and South Loop Road are included in the RA, however these facilities are not a part of the Phase 2 construction contract. The City has planned that these facilities will be constructed as part of a future phase of the Tustin Legacy

development. Staff will return to the Board when the City awards the future construction contract.

The City's Phase 2 project was to be funded by the former RDA bond fund and as discussed above, redevelopment agencies were eliminated in December 29, 2011. A seven-member Oversight Committee was formed in March 2012 to oversee the former TCRA funds. The Committee reviewed and unanimously approved the Phase 2 construction award, sending it to City Council for final approval. The Phase 2 Construction is tentatively scheduled to begin in late June 2012.

FISCAL IMPACTS:

Projects 11379 (1047) and 21379 (1066) are included in the FY 2011-12 Capital Budget, and Project 31379 (3435) was formerly included in the FY 2010-11 Capital Budget. Staff requests the Budget adjustments and Expenditure Authorizations as shown in the table below and as Exhibit "D".

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
11379 (3786)	\$ 686,700	\$259,400	\$ 946,100	\$ 686,700	\$259,400	\$ 946,100
21379 (3787)	\$ 703,300	\$337,700	\$1,041,000	\$ 703,300	\$337,700	\$1,041,000
31379 (3788)	\$ 884,600	\$271,200	\$1,155,800	\$ 884,600	\$271,200	\$1,155,800
TOTAL	\$2,274,600	\$868,300	\$3,142,900	\$2,274,600	\$868,300	\$3,142,900

ENVIRONMENTAL COMPLIANCE:

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

The execution of the RA agreement would allow for the construction of the capital domestic water, sewer, and recycled water facilities for the Tustin Ranch Road Project. This project is subject to CEQA and is in conformance with the California Code of Regulations Title 14, Chapter 3, Article 7. A Joint Environmental Impact Statement/Environmental Impact Report was certified by the City of Tustin and the Department of the Navy on January 3, 2000 (SCH 1982040906).

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations meeting on April 17, 2012.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE FOR THE LEGACY PARK TUSTIN RANCH ROAD PROJECT 11379 (3786) IN THE AMOUNT OF \$259,400, FROM \$686,700 TO \$946,100; FOR PROJECT 21379 (3787) IN THE AMOUNT OF \$337,700, FROM \$703,300 TO \$1,041,000; AND FOR PROJECT 31379 (3788) IN THE AMOUNT OF \$271,200, FROM \$884,600 TO \$1,155,800; APPROVE EXPENDITURE AUTHORIZATIONS FOR PROJECT 11379 IN THE AMOUNT OF \$259,400, PROJECT 21379 IN THE AMOUNT OF \$337,700, AND PROJECT 31379 IN THE AMOUNT OF \$271,200; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A REIMBURSEMENT AGREEMENT WITH THE CITY OF TUSTIN FOR THE DESIGN AND CONSTRUCTION OF IRWD CAPITAL FACILITIES ON THE TUSTIN LEGACY DEVELOPMENT.

LIST OF EXHIBITS:

- Exhibit "A" – Reimbursement Agreement
- Exhibit "B" – Domestic Water, Sewer, and Recycled Water Systems
- Exhibit "C" – Tustin Ranch Road Bid Summary
- Exhibit "D" – Expenditure Authorizations

EXHIBIT "A"

File No. 11379 (1047)

**REIMBURSEMENT AGREEMENT BETWEEN
IRVINE RANCH WATER DISTRICT
AND THE CITY OF TUSTIN
FOR**

**A VARIETY OF IRWD FACILITIES RELATED TO THE
TUSTIN RANCH ROAD PROJECT (CIP 70100, 70204, 70206, 70214, & 70215) BETWEEN
WARNER AVENUE AND WALNUT AVENUE, INCLUDING VALENCIA ROAD
BETWEEN KENSINGTON PARK AVENUE AND TUSTIN RANCH ROAD, LEGACY
ROAD BETWEEN TUSTIN RANCH ROAD AND PARK AVENUE, PARK AVENUE
BETWEEN WARNER AVENUE AND LEGACY ROAD, WARNER AVENUE BETWEEN
ARMSTRONG AVENUE AND TUSTIN RANCH ROAD (CIP 70202) AND SOUTH LOOP
ROAD BETWEEN ARMSTRONG AVENUE AND TUSTIN RANCH ROAD (CIP 70216)**

This Agreement is made and entered into as of this ____ day of _____, 20__, by and between IRVINE RANCH WATER DISTRICT ("DISTRICT"), a California water district formed and existing pursuant to the California Water District Law of the State of California, and THE CITY OF TUSTIN ("TUSTIN"), a public body, corporate and politic.

WITNESSETH:

WHEREAS, TUSTIN and The City of Tustin as Successor Agency to the Tustin Community Redevelopment Agency ("SUCCESSOR AGENCY") (TUSTIN and SUCCESSOR AGENCY are collectively referred to herein as "CITY") propose to construct street and utility improvements for Tustin Ranch Road between Warner Avenue and Walnut Avenue, for Valencia Road between Kensington Park Avenue and Tustin Ranch Road, for Park Avenue between Warner Avenue and Legacy Road, and for Legacy Road between Tustin Ranch Road and Park Avenue (the "Project"), within the jurisdictional boundaries of DISTRICT and TUSTIN; and

WHEREAS, prior to or in conjunction with CITY's construction of the Project, IRWD desires that TUSTIN cause to be designed and constructed, within or adjacent to the street improvements that comprise the Project, those certain capital facilities and appurtenances described in more detail on Exhibit "A" and generally depicted on Exhibit "B" attached hereto and incorporated by reference herein which consist generally of the following: approximately

7,600 lineal feet (LF) of 12-inch domestic water pipeline; 3,200 LF of 12-inch, 560 LF of 15-inch, 1,100 LF of 18-inch, and 250 LF of 20-inch sewer pipeline; 15,160 LF of 6-inch and 600 LF of 16-inch reclaimed water pipeline; abandonment/demolition of a temporary sewer lift station on the north side of Valencia Road (hereinafter referred to as the "IRWD FACILITIES"); and

WHEREAS, the parties have determined that it would be more expedient for TUSTIN to cause the design and construction of the IRWD FACILITIES rather than the DISTRICT; and

WHEREAS, DISTRICT is amenable to the design and construction of the IRWD FACILITIES by CITY, at the cost of TUSTIN, which cost is to be reimbursed by DISTRICT; and

WHEREAS, except as otherwise provided herein, upon the completion of the IRWD FACILITIES, the IRWD FACILITIES shall become the property of DISTRICT in accordance with the terms and conditions hereinafter set forth.

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

SECTION 1. The IRWD FACILITIES. In conjunction with the Project, TUSTIN agrees to cause CITY to initiate and diligently pursue to completion the design and construction of the IRWD FACILITIES through one or more contracts to be awarded by CITY for the Project.

SECTION 2. PLANS. TUSTIN shall cause the IRWD FACILITIES to be constructed by CITY in conjunction with the Project pursuant to plans prepared by CITY's design engineer. TUSTIN agrees to submit or cause to be submitted all project plans and specifications and all bidding documents to DISTRICT at least fifteen (15) days prior to advertisement for bids for the Project, and agrees to ensure that such advertisement by CITY shall not commence until DISTRICT has given its written approval of the plans, specifications and bidding documents pertaining to the IRWD FACILITIES. DISTRICT shall have five (5) calendar days from its receipt of the plans, specifications and bidding documents pertaining to the IRWD FACILITIES to review them and indicate approval or request changes, and the parties shall cooperate in good faith to address such requests. TUSTIN agrees to cause the IRWD FACILITIES to be completed pursuant to such approved project plans and specifications pertaining to the IRWD FACILITIES (the "Plans and Specifications"). The Plans and Specifications shall be deemed to incorporate

the applicable portions of DISTRICT's latest edition of "Construction Manual for the Construction of Water, Sewer, and Reclaimed Water Facilities" (the "Construction Manual"). The costs associated with the design of the Plans and Specifications shall be on a time-and-material basis for services and are currently estimated at **\$207,340**, as shown on Exhibit "C" attached hereto, subject to adjustment for actual costs incurred by TUSTIN for the design services, including design services required in connection with any approved design revisions and change orders approved as specified in Section 4.

SECTION 3. BIDDING AND AWARD. The parties agree that TUSTIN shall cause the construction of the IRWD FACILITIES to be included in CITY's contract(s) awarded for the Project and that the IRWD FACILITIES in each such contract shall be bid as a separate item or items that can be deleted. During the bidding process, TUSTIN shall deliver or cause to be delivered to IRWD one (1) complete set of the bid documents that include the IRWD FACILITIES, including all related addenda concurrently with the distribution thereof to prospective bidders. Upon opening of bids by CITY, TUSTIN will submit or cause to be submitted the bids or a spread sheet summary of the bids to DISTRICT. TUSTIN shall ensure that DISTRICT will have a period of ten (10) calendar days from its receipt of the bid results for review and approval of the IRWD FACILITIES bid item(s) submitted by the bidder identified to DISTRICT by TUSTIN as CITY's proposed successful bidder. TUSTIN agrees to ensure that bids received for the construction of the IRWD FACILITIES bid item(s) shall be subject to the approval of DISTRICT prior to CITY's award of the Project construction contract(s) that include the IRWD FACILITIES; and further agrees that in the event DISTRICT does not approve such bids within the time permitted for DISTRICT's review and approval above, either party may terminate this Agreement upon twenty-four (24) hours' prior written notice, in which event TUSTIN shall have no further obligation to cause the construction of the IRWD FACILITIES, and DISTRICT shall install the IRWD FACILITIES with its own contractor in conjunction with and in cooperation with CITY's Project and within timeframes that TUSTIN shall cause to be provided by CITY. In such event TUSTIN shall be obligated to ensure that CITY provides reasonable construction windows and site access for DISTRICT's contractors. If DISTRICT approves of the IRWD FACILITIES bid item(s) of CITY's successful bidder, TUSTIN agrees to cause the IRWD FACILITIES to be constructed as part of the CITY's contract awarded to such bidder, except that the parties acknowledge that CITY retains the right to reject all bids and not award a contract for the Project or the IRWD FACILITIES. The total engineer's estimate of construction cost for the IRWD FACILITIES, excluding design costs identified in Section 2, is **\$3,038,750**, as shown on Exhibit "D" attached hereto; provided, however, the amount to be reimbursed by DISTRICT shall be based on the actual costs of construction. Upon award of the

construction contract, TUSTIN shall provide or cause to be provided to DISTRICT one (1) original copy of the fully executed contract documents and one (1) copy of the bid package relating to the IRWD FACILITIES received from the successful bidder.

SECTION 4. DESIGN REVISIONS AND CONSTRUCTION CHANGE ORDERS.

TUSTIN and DISTRICT agree that if, during design or construction, CITY or TUSTIN requests or initiates any revision to the Plans and Specifications, then the cost of any such revision shall be borne by TUSTIN and shall not be reimbursed by DISTRICT, unless such revision and additional costs are necessary to construct the IRWD FACILITIES in accordance with the Construction Manual and not for the benefit of any third party, could not reasonably have been foreseen at the time of advertisement for bids for the Project and prior written approval thereof has been given by DISTRICT. DISTRICT shall reimburse TUSTIN for the cost of any revisions requested or initiated by DISTRICT. TUSTIN shall promptly furnish or cause to be furnished to DISTRICT copies of any proposed design revisions and construction change orders to the Project contract within five (5) working days of initiation of changed conditions to such contract, which design revisions and change orders shall be subject to DISTRICT approval if and to the extent any of the IRWD FACILITIES are affected thereby. DISTRICT will review and respond to TUSTIN concerning proposed design revisions and construction change orders affecting the IRWD FACILITIES within five (5) working days of receipt by DISTRICT. A design revision or construction change order or increase in the quantity of any unit price item over the bid quantity involving the IRWD FACILITIES shall be considered null and void for purposes of reimbursement hereunder unless approved in writing by both IRWD and TUSTIN authorized representatives. Nothing in this Agreement shall require IRWD to reimburse TUSTIN or CITY for any design or construction costs that are incurred as a result of or to correct design errors or omissions or faulty work of the contractor or other parties retained by TUSTIN or CITY, and TUSTIN shall be responsible for recovering such costs from the applicable parties.

SECTION 5. REIMBURSEMENT. DISTRICT agrees to reimburse TUSTIN for the following costs (collectively, the "Costs"): (1) the actual costs of design and construction incurred by TUSTIN for the design and construction of the IRWD FACILITIES, including any project revisions and construction change orders that are reimbursable in accordance with Section 4 and a pro-rata share of Contract Item Number 1 (Mobilization) corresponding to the IRWD FACILITIES bid schedule costs in proportion to all Project bid schedule costs, plus (2) an administration fee which shall be equal to four percent (4%) of the actual cost of construction (actual cost of construction is defined as costs paid directly to CITY's contractor for construction only, excluding any cost for design, surveying, geotechnical or other work) of the IRWD

FACILITIES. The administration fee shall be deemed to cover all costs of the IRWD FACILITIES project administration including, but not limited to, accounting, inspection, construction administration, submittal review, permits and rights-of way, surveying, geotechnical, bonds, insurance, and all other items not specifically included in the bid schedules for the IRWD FACILITIES. TUSTIN shall keep a separate accounting of all Costs incurred by TUSTIN in relation to the IRWD FACILITIES.

Within thirty (30) days following receipt by DISTRICT of a contractor invoice for DISTRICT's portion of a construction progress payment on a certified form provided by the contractor to TUSTIN, accompanied by supporting documentation as may be necessary to show the amounts which represent Costs of the IRWD FACILITIES, DISTRICT shall provide a progress payment to TUSTIN. As part security for the fulfillment of the obligations under this Agreement for construction of the IRWD FACILITIES, TUSTIN will ensure that CITY retains, from progress payments made to the contractor, 10%, or the maximum percentage permitted by law, of such estimated value from each progress payment requested.

Within sixty (60) days of DISTRICT's acceptance of the IRWD FACILITIES as provided in Section 8, and filing a notice of completion, a final accounting of the Costs shall be made by TUSTIN and submitted to DISTRICT as a final invoice for the remaining Costs so found to be due after deducting therefrom all previous payments and shall include any supporting documentation necessary to show the amounts which represent remaining Costs of the IRWD FACILITIES. Within thirty (30) days of said final accounting, DISTRICT agrees to pay to TUSTIN the total amount of the remaining Costs. Within thirty (30) days of said final accounting, DISTRICT agrees to pay to TUSTIN the total amount of the Costs, less previous progress payments made by DISTRICT pursuant to the preceding paragraph. If the total of the previously made progress payments exceeds the Costs, TUSTIN shall refund the difference to DISTRICT within thirty (30) days of said final accounting.

SECTION 6. LAWS, ORDINANCES, RULES AND REGULATIONS. TUSTIN shall ensure that CITY requires in its contract for the construction of the IRWD FACILITIES that CITY's contractor be fully informed of and comply with all laws, ordinances, rules and regulations, including, but not limited to, all applicable requirements of the California Labor Code, prevailing wage laws, the Construction Manual, and the Rules and Regulations of DISTRICT, in connection with the construction of the IRWD FACILITIES.

SECTION 7. INSPECTION. TUSTIN shall ensure that DISTRICT shall have sole and absolute discretion as to all aspects of design and construction of the IRWD FACILITIES, and that DISTRICT shall be entitled to inspect the construction of the IRWD FACILITIES as it deems necessary to assure compliance with the approved Plans and Specifications, including shop drawing review and material inspection thereof. TUSTIN shall ensure that DISTRICT shall have access to all phases of the Project work to be performed by CITY for the purpose of such inspection; provided, however, all questions and any field inspection issues and requests from DISTRICT regarding the work being performed shall be directed by DISTRICT to CITY's resident engineer and not directly by DISTRICT to the contractor, but the foregoing is not intended to prohibit DISTRICT from discussing such issues and requests with the contractor. DISTRICT will promptly notify TUSTIN of any portion of the work on the IRWD FACILITIES which appears not to conform to the approved Plans and Specifications. TUSTIN shall ensure that DISTRICT shall have sole and absolute discretion to determine the conformity of the IRWD FACILITIES with the approved Plans and Specifications. DISTRICT agrees not to unreasonably withhold its approval as to such conformity of the IRWD FACILITIES with the approved Plans and Specifications, and DISTRICT agrees to defend and indemnify TUSTIN against all disputes related to a DISTRICT determination regarding conformity with approved Plans and Specifications. TUSTIN shall cause CITY to require its contractor to construct the IRWD FACILITIES so that the IRWD FACILITIES conform to the approved Plans and Specifications. TUSTIN agrees to assume full responsibility for certifying or obtaining certification of the compaction of backfill material in the trench zone over the IRWD FACILITIES. DISTRICT shall assume full responsibility for certifying or obtaining certification of the compaction of backfill material in the pipe bedding zone beneath and surrounding the IRWD FACILITIES.

SECTION 8. ACCEPTANCE. DISTRICT agrees to accept the IRWD FACILITIES when the IRWD FACILITIES have been completed by CITY in accordance with all requirements of the approved Plans and Specifications, including any change orders approved by DISTRICT as provided in Section 4 hereof. At the time of completion and acceptance of the IRWD FACILITIES, TUSTIN agrees to furnish or cause to be furnished to DISTRICT one (1) copy of the contractor's redlined set of "record" drawings (showing all revisions, manufacturer and type of valves, pipe and fittings as required by DISTRICT) and one (1) copy of the compaction reports and certificate for the IRWD FACILITIES trench zones, survey notes and cut sheets.

SECTION 9. OWNERSHIP. It is mutually agreed between the parties hereto that notwithstanding the fact that TUSTIN shall cause the construction of the IRWD FACILITIES subject to reimbursement, the IRWD FACILITIES to be completed hereunder, together with the

necessary franchises, licenses, easements, rights-of-way, and other privileges that are assigned and approved or caused to be assigned or approved to DISTRICT by TUSTIN, shall at all times be subject to the applicable rates, rules and regulations of DISTRICT, as modified or amended from time to time. TUSTIN hereby disclaims and agrees to cause CITY to disclaim any interest in the IRWD FACILITIES and does hereby transfer and assign and agree to cause to be transferred and assigned to DISTRICT any and all right, title, and interest it or CITY may have in the IRWD FACILITIES. DISTRICT shall own, operate and maintain the IRWD FACILITIES following acceptance thereof.

SECTION 10. GUARANTEES. TUSTIN will, pursuant to the requirement(s) of the approved Plans and Specifications, cause CITY to obtain from its contractor(s) for the IRWD FACILITIES a written guarantee of the IRWD FACILITIES against defects in workmanship and materials for a period of one (1) year from the date of acceptance by CITY, which acceptance TUSTIN shall ensure that CITY shall give only after acceptance by DISTRICT as provided in Section 8. It is further agreed that TUSTIN shall cause the IRWD FACILITIES to be brought or restored to full compliance with the requirements of the approved Plans and Specifications, including any test requirements, for any portions of the IRWD FACILITIES which during said one (1) year period are found not to be in conformance with the provisions of the approved Plans and Specifications. This guarantee is in addition to any and all other warranties, express or implied, from CITY's contractors or material manufacturers, with respect to the IRWD FACILITIES. The guarantee and obligations under this section shall in no way be relieved by DISTRICT's inspection and/or acceptance of the IRWD FACILITIES. This section sets forth the entire guarantee and warranty of TUSTIN with respect to the IRWD FACILITIES. The express or implied warranties of other persons with respect to the IRWD FACILITIES shall in no way be limited by the guarantee and warranty of TUSTIN contained in this section. If requested by DISTRICT, TUSTIN agrees to cause CITY to assign to DISTRICT the contractor's guarantee as it relates to the IRWD FACILITIES and/or any other guarantees or warranties relating to the IRWD FACILITIES.

SECTION 11. INDEMNIFICATION. TUSTIN shall indemnify, defend and hold DISTRICT, its officers, agents, employees, and engineers harmless from any expense, liability or claim for death, injury, loss, damage or expense to persons or property which may arise or is claimed to have arisen during construction of the IRWD FACILITIES as a result of any negligent or willful acts or omissions by TUSTIN or CITY or SUCCESSOR AGENCY with respect to the Project design or construction save and except to the extent such expense, liability or claim is proximately caused in whole or in part by any act, omission, or negligence of DISTRICT, its

officers, agents, employees or engineers or by any act or omission for which DISTRICT, its officers, agents, employees or engineers are liable without fault.

DISTRICT shall indemnify, defend and hold TUSTIN and SUCCESSOR AGENCY, and their elected and appointed officials, agents, and employees, harmless from any expense, liability or claim for death, injury, loss, damage or expense to persons or property which may arise or is claimed to have arisen either (i) as a result of any negligent acts or omissions by DISTRICT, its officers, agents, or employees, with respect to the IRWD FACILITIES design or construction; or (ii) following DISTRICT acceptance of the IRWD FACILITIES, with respect to maintenance and operation of the IRWD FACILITIES, save and except to the extent such expense, liability or claim is proximately caused in whole or in part by any negligence of TUSTIN or CITY or SUCCESSOR AGENCY, or any of their respective elected and appointed officials, agents, employees or engineers, or by any act or omission for which TUSTIN or CITY or SUCCESSOR AGENCY, or any of their respective elected and appointed officials, agents, employees or engineers are liable without fault.

SECTION 12. INSURANCE AND BONDING. TUSTIN shall cause CITY to require its contractor(s) to provide performance and payment bonds for the construction of the Project including the IRWD FACILITIES and to include DISTRICT, its officers, agents, employees and engineers, as additional insureds on all liability insurance policies that CITY requires its contractor(s) to provide. As evidence of such insurance coverage, TUSTIN shall, prior to commencement of construction of the IRWD FACILITIES, provide DISTRICT with copies of certificates of insurance and insurance endorsements from CITY's contractor(s).

SECTION 13. TERMINATION. Either party shall have the right to terminate this Agreement at any time prior to DISTRICT's approval of one or more of the IRWD FACILITIES bid item(s) as set forth in Section 3 by providing twenty-four (24) hours prior written notice to the other party. If at the request or direction of a party other than TUSTIN or CITY or SUCCESSOR AGENCY, the construction of the IRWD FACILITIES is not accomplished or completed, DISTRICT shall remain obligated for the actual amount of the Costs incurred by TUSTIN.

If CITY's Project is canceled or modified so as to eliminate the necessity of the design and construction of the IRWD FACILITIES, TUSTIN shall have the right to terminate this Agreement and thereby terminate its obligation to cause the design and construction of the IRWD FACILITIES, by providing five (5) business days' prior written notice to DISTRICT. In such

case, DISTRICT will not be obligated for any design or any other Costs incurred by TUSTIN. If IRWD elects to construct the IRWD FACILITIES, DISTRICT shall be obligated to acquire the design work from TUSTIN by separate agreement.

SECTION 14. NOTICE. Any notice or other written instrument required or permitted by this Agreement to be given to either party shall be deemed received when personally served or twenty-four (24) hours after being deposited in the U.S. Mail, postage prepaid, registered or certified, return receipt requested and addressed as follows:

DISTRICT: Irvine Ranch Water District
15600 Sand Canyon Avenue
P.O. Box 57000
Irvine, CA 92619-7000
Attn: General Manager

TUSTIN: City of Tustin
300 Centennial Way
Tustin, CA 92780
Attn: Director of Public Works/City Engineer/Assistant Executive Director

SECTION 15. SUCCESSORS AND ASSIGNS; INTEGRATION; AMENDMENT.
This Agreement shall be binding upon and inure to the benefit of the successor and assigns of TUSTIN and DISTRICT. This Agreement constitutes the entire Agreement between TUSTIN and DISTRICT and supersedes all prior understandings and agreements between the parties with respect to the subjects hereof. This Agreement may be modified only in writing signed by both parties hereto.

SECTION 16. LEGAL FEES. In the event of any declaratory or other legal or equitable action instituted between TUSTIN and DISTRICT in connection with this Agreement, the prevailing party shall be entitled to recover from the losing party its reasonable costs and expenses, including court costs and reasonable attorneys' fees.

SECTION 17. SEVERABILITY. If any term, provision, covenant or condition of this Agreement is held to be invalid, void or other unenforceable, to any extent, by any court of competent jurisdiction, the remainder of this Agreement shall not be affected thereby, and each term provision, covenant or condition of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

SECTION 18. APPLICABLE LAW. This Agreement shall be construed and enforced in accordance with the laws of the State of California.

SECTION 19. WAIVER. The waiver of any provision of this Agreement by either party shall not be deemed to be a waiver of any other provision or of any preceding or subsequent breach hereunder.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the parties to the Agreement execute this Agreement.

IRVINE RANCH WATER DISTRICT

By _____
Paul Cook, General Manager

Dated _____

ATTEST:

By _____
Secretary/Assistant Secretary

Dated _____

APPROVED AS TO FORM:

By _____
Legal Counsel, IRWD

Dated _____

CITY OF TUSTIN

By _____
John Neilsen, Mayor

Dated _____

ATTEST:

By _____
City Clerk

Dated _____

APPROVED AS TO FORM:

By _____
City Attorney

Dated _____

EXHIBIT A
Jan. 26, 2012

DESCRIPTION OF PROPOSED IRWD CAPITAL FACILITIES

A. IRWD CAPITAL FACILITIES AFFECTING CITY OF TUSTIN--TUSTIN RANCH ROAD STREET IMPROVEMENTS BETWEEN WARNER AVENUE AND WALNUT AVENUE

- DOMESTIC WATER - approximately 3,840 lineal feet (LF) of a 12-inch domestic water line
- SANITARY SEWER - approximately 3,180 lineal feet (LF) of 12-inch sewer pipeline, 50 lineal feet (LF) of 18-inch sewer pipeline, and 250 lineal feet (LF) of 20-inch sewer pipeline
- RECLAIMED WATER - approximately 7,630 lineal feet (LF) of 6-inch reclaimed water line and 210 lineal feet of 16-inch reclaimed water line

B. IRWD CAPITAL FACILITIES AFFECTING CITY OF TUSTIN-VALENCIA AVENUE STREET IMPROVEMENTS BETWEEN KENSINGTON PARK AVENUE AND TUSTIN RANCH ROAD

- DOMESTIC WATER – approximately 330 lineal feet (LF) of a 12-inch domestic water line
- RECLAIMED WATER – approximately 580 lineal feet of a 16-inch reclaimed water line
- TEMPORARY IRWD SEWER LIFT STATION – abandonment/demolition

C. IRWD CAPITAL FACILITIES AFFECTING CITY OF TUSTIN-PARK AVENUE STREET IMPROVEMENTS BETWEEN WARNER AVENUE AND LEGACY ROAD

- DOMESTIC WATER – approximately 1,790 lineal feet (LF) of a 12-inch domestic water line
- SANITARY SEWER – approximately 70 lineal feet (LF) of 12-inch sewer pipeline, 590 lineal feet (LF) of a 15-inch sewer pipeline, and 1,130 lineal feet (LF) of an 18-inch sewer pipeline
- RECLAIMED WATER – approximately 830 lineal feet (LF) of a 6-inch reclaimed water pipeline

D. IRWD CAPITAL FACILITIES AFFECTING CITY OF TUSTIN-LEGACY ROAD STREET IMPROVEMENTS BETWEEN TUSTIN RANCH ROAD AND PARK AVENUE

- RECLAIMED WATER – approximately 1,000 lineal feet (LF) of a 6-inch reclaimed water pipeline

E. IRWD CAPITAL FACILITIES AFFECTING CITY OF TUSTIN-CARNEGIE AVENUE STREET IMPROVEMENTS BETWEEN ARMSTRONG AVENUE AND PARK AVENUE

- RECLAIMED WATER – approximately 1,200 lineal feet (LF) of a 6-inch reclaimed water pipeline
- DOMESTIC WATER – approximately 1,200 lineal feet (LF) of a 12-inch domestic water line

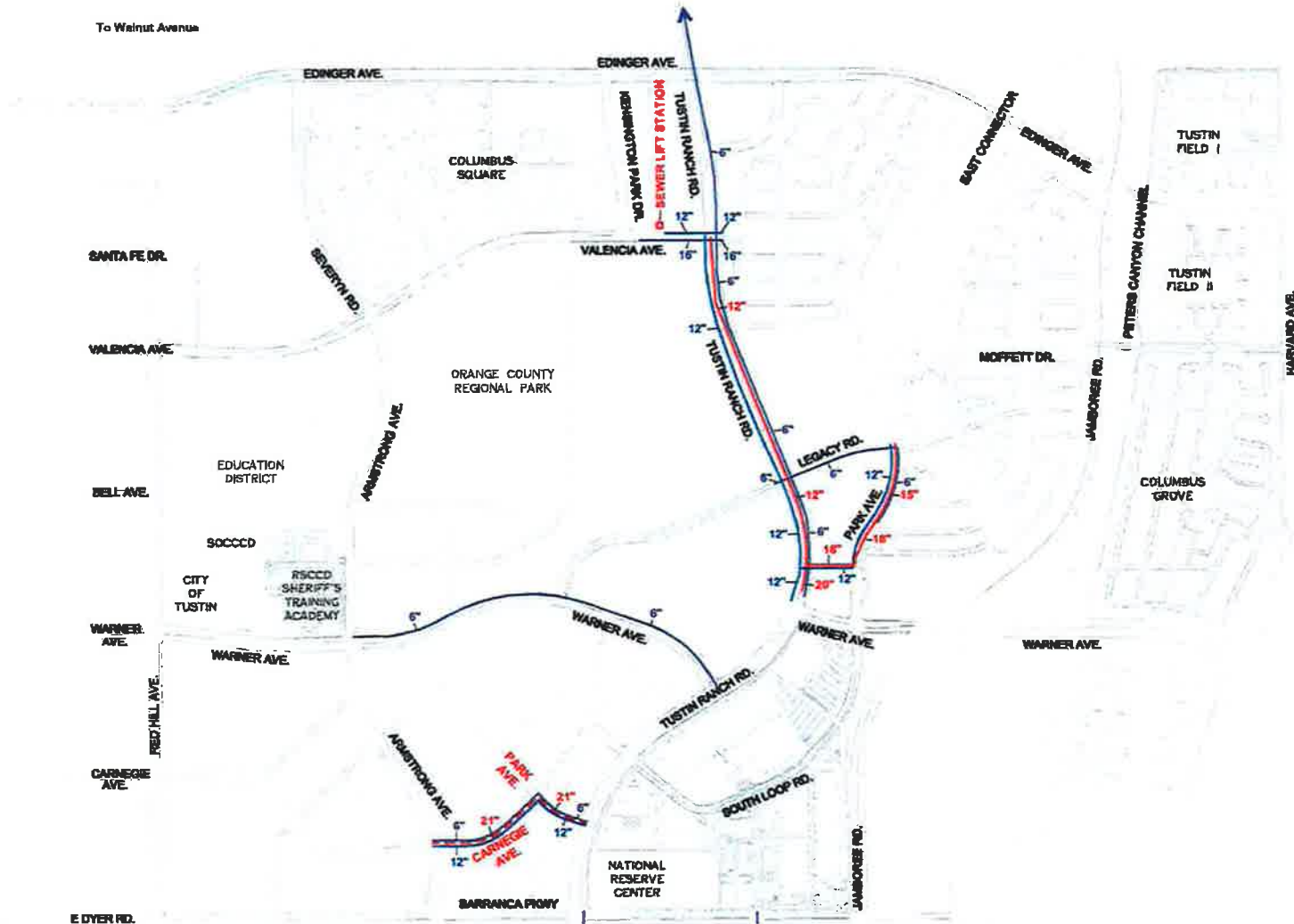
F. IRWD CAPITAL FACILITIES AFFECTING CITY OF TUSTIN-PARK AVENUE STREET IMPROVEMENTS BETWEEN CARNEGIE AVENUE AND TUSTIN RANCH ROAD

- RECLAIMED WATER – approximately 500 lineal feet (LF) of a 6-inch reclaimed water pipeline
- DOMESTIC WATER – approximately 500 lineal feet (LF) of a 12-inch domestic water line

G. IRWD CAPITAL FACILITIES AFFECTING CITY OF TUSTIN-WARNER AVENUE STREET IMPROVEMENTS BETWEEN ARMSTRONG AVENUE AND TUSTIN RANCH ROAD

- RECLAIMED WATER – approximately 3,760 lineal feet (LF) of a 6-inch reclaimed water pipeline

EXHIBIT B



- LEGEND**
- Proposed Capital Potable Water
 - Proposed Capital Non-Potable Water
 - Proposed Capital Sewer
 - - - Proposed Capital Sewer (Non-Reimbursed)



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DATE 1/26/12 JN 10-107351

EXHIBIT "B"

EXHIBIT C
IRWD/City of Tustin Reimbursement Agreement for Capital Facilities
Design Services
7-Mar-12

Valencia Avenue North Loop Improvement Plans

(From City of Tustin Consultant Services Agreement w/ Hunsaker & Assoc. dated Sept. 7, 2010)

Task 3.3	Recycled Water Plans	\$ 7,700
Task 3.4 (add'l per Hunsaker email 11/12/10)	Sewer Plans & Demolition/Abandonment Plan	\$ 11,900
Task 3.7	Specifications & Bid Documents	\$ 2,500
Task 3.8	Construction Quantity and Cost Estimating	\$ 1,500
Task 3.9	Project Management/Coordination/Meetings	\$ 940
		<u>\$ 24,540</u>

Tustin Ranch Road Improvement Plans

(From City of Tustin Consultant Services Agreement w/ RBF Consulting dated Sept. 9, 2010)

Task 15	Domestic Water Plans	\$ 5,000
Add'l per RBF email 11/8/10	Add'l Domestic Water Plan from Valencia to Walnut	\$ 4,000
Task 16	Recycled Water Plans	\$ 5,000
Task 17	Sewer Plans	\$ 8,000
Task 20	Specifications and Bid Documents	\$ 500
Task 21	Final Construction Quantity and Cost Estimate	\$ 500
Task 22	Agency Approval/Permits	\$ 3,000
Task 23	Project Management/Project Coordination	\$ 1,000
Task 24	Meetings	\$ 1,000
		<u>\$ 28,000</u>

Valencia Avenue North Loop Improvement Plans

(From proposed City of Tustin Consultant Services Agreement w/ Hunsaker & Assoc. dated Jan. 20,2011)

Task 3.4	Sewer Force Main Abandonment	\$ 3,200
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Park Avenue and Legacy Road Improvement Plans

(From proposed City of Tustin Consultant Services Agreement w/ Hunsaker & Assoc. dated Jan. 20,2011)

Task 7.1	Domestic Water Plans	\$ 9,000
Task 7.2	Sewer Plans	\$ 9,800
Task 7.3	Recycled Water Plans	\$ 8,000
Task 7.4	Construction Quantity and Cost Estimating	\$ 3,500
Task 7.5	Specifications & Bid Documents	\$ 4,500
Task 7.6	Project Management/Coordination/Meetings	\$ 3,800
Reimbursables		\$ 2,500
		<u>\$ 44,300</u>

Tustin Ranch Road Improvement Plans

(From proposed City of Tustin Consultant Services Agreement w/ RBF Consulting dated Mar. 7, 2011)

Task 7	Revise Bridge Plans for IRWD MH	\$ 3,000
Task 8	Revise IRWD Capital Recycled Water Plans @ Valencia	\$ 1,500
Task 9	Revise IRWD Capital Sewer Plans	\$ 5,000
Task 10	Revise IRWD Capital Domestic Water Plans @ Warner	\$ 1,500
		<u>\$ 11,000</u>

Tustin Ranch Road Improvement Plans

(From proposed City of Tustin Consultant Services Agreement w/ RBF Consulting dated Mar. 31, 2011)

Task 1	Revise IRWD Capital Domestic Water Plans @ TRR	\$ 1,000
		<u>\$ 1,000</u>

Tustin Ranch Road Improvement Plans

(From proposed City of Tustin Consultant Services Agreement w/ Pacific States Environmental dated July 1, 2011)

Task 1	Dewater Modeling for Sewer Construction	\$ 31,500
		<u>\$ 31,500</u>

Warner Avenue and South Loop Road (Carnegie Avenue) Improvement Plans

(From proposed City of Tustin Consultant Services Agreement w/ RBF Consulting dated Jan. 13, 2012)

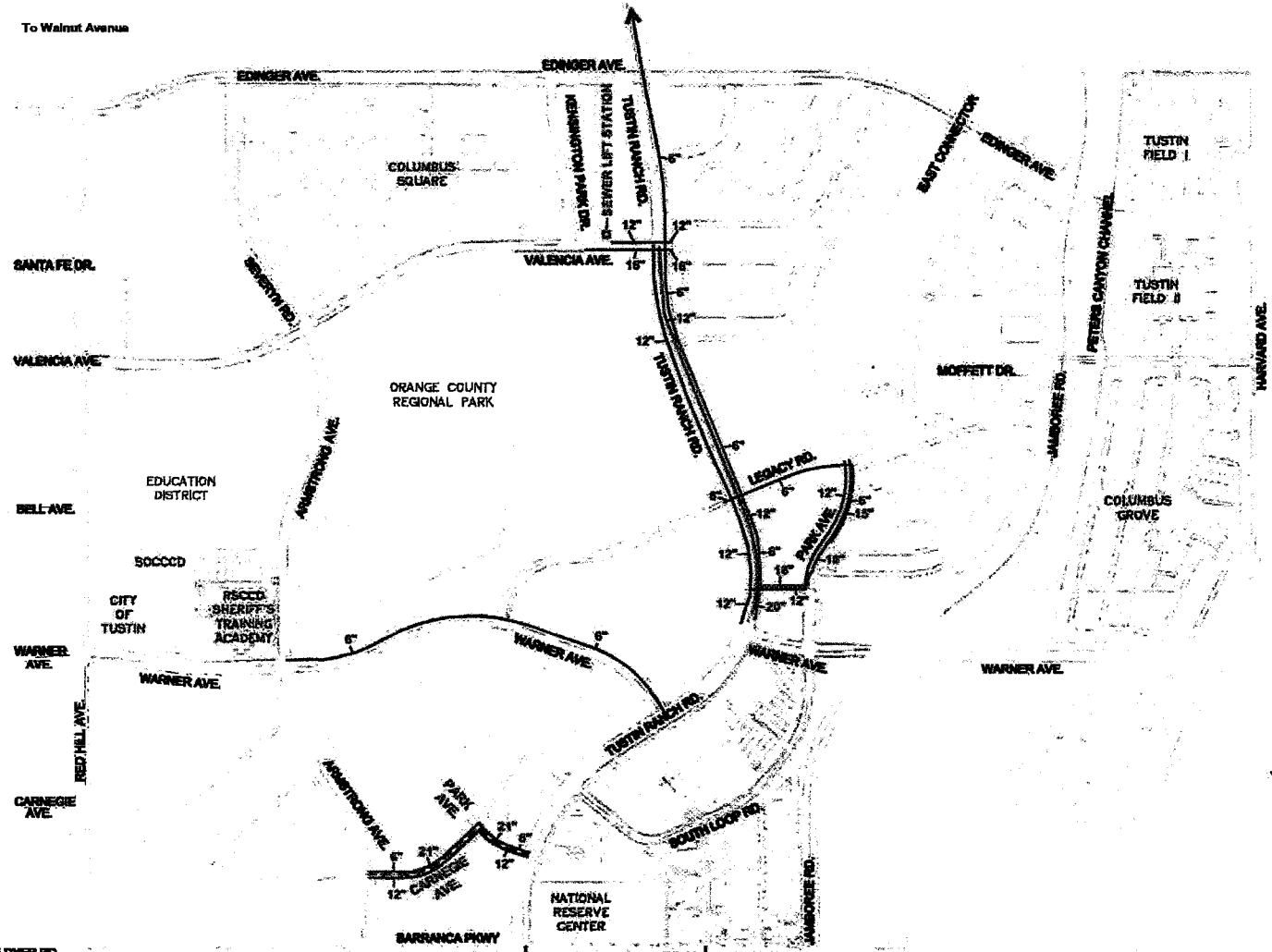
Task 1	Preliminary Layout	\$ 2,700
Task 2	Domestic Water Plans	\$ 12,500
Task 3	Recycled Water Plans	\$ 26,500
Task 4	Specifications and Cost Estimates	\$ 5,000
Task 5	Project Meetings	\$ 4,800
Task 6	Project Management and Coordination	\$ 4,800
Task 7	Governmental Processing	\$ 1,200
Task 8	Construction Support	\$ 7,500
Task 9	Reimbursables	\$ 2,000
		<u>\$ 67,000</u>

GRAND TOTAL \$ 207,340

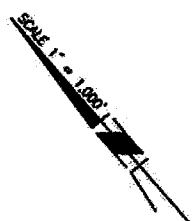
EXHIBIT D
IRWD/City of Tustin Reimbursement Agreement for Capital Facilities
Construction Estimate
7-Mar-11

STREET/WORK ITEM	Potable Water				Reclaimed Water				Sewer				TOTAL
	Size (in)	Length (ft)	Unit Cost	Constr. Cost	Size (in)	Length (ft)	Unit Cost	Constr. Cost	Size (in)	Length (ft)	Unit Cost	Constr. Cost	
Valencia Avenue North Loop Road	12	330	\$ 106	\$ 34,980	16	580	\$ 169	\$ 98,020	-	-	-	\$ -	\$ 133,000
Abandonment/Demolition of Temp. Sewer Lift Station	-	-	-	\$ -	-	-	-	\$ -	-	-	-	\$ 20,500	\$ 20,500
Tustin Ranch Road - Warner to Walnut	12	3840	\$ 106	\$ 407,040	8	7630	\$ 70	\$ 534,100	12	3180	\$ 151	\$ 480,180	\$ 1,421,320
"	-	-	-	\$ -	16	210	\$ 169	\$ 35,490	18	50	\$ 199	\$ 9,950	\$ 45,440
"	-	-	-	\$ -	-	-	-	\$ -	20	250	\$ 215	\$ 53,750	\$ 53,750
Park Avenue - Warner to Legacy	12	1790	\$ 106	\$ 189,740	6	830	\$ 70	\$ 58,100	12	70	\$ 183	\$ 12,810	\$ 260,650
"	-	-	-	\$ -	-	-	-	\$ -	15	590	\$ 183	\$ 107,970	\$ 107,970
"	-	-	-	\$ -	-	-	-	\$ -	18	1130	\$ 199	\$ 224,870	\$ 224,870
Legacy Road - Tustin Ranch Road to Park	-	-	-	\$ -	6	1600	\$ 70	\$ 70,000	-	-	-	\$ -	\$ 70,000
SUBTOTAL													\$ 2,337,500
Technical Services (10%), Field Engineering (10%), Contingencies (10%)													\$ 701,250
TOTAL													\$ 3,038,750

EXHIBIT B



- LEGEND**
- Proposed Capital Potable Water
 - Proposed Capital Non-Potable Water
 - Proposed Capital Sewer
 - - - Proposed Capital Sewer (Non-Reimbursed)



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DATE 1/26/12 IN 10-107351

EXHIBIT "B"

DATE PLOTTED: 1/26/12 10:58 AM

**TUSTIN RANCH ROAD, VALENCIA AVENUE & PARK AVENUE EXTENSION AND;
LEGACY ROAD PHASE 2 ROADWAY IMPROVEMENTS CONSTRUCTION PROJECT
CIP NOS. 70100, 70206, 70204, 70214 & 70215**

BID OPENING : FEBRUARY 28, 2012 10:00 A.M.

ITEM NO.	CONTRACT ITEM DESCRIPTION	APPROX. QTY	UNIT	ENGINEER'S ESTIMATE				R.J. NOBLE COMPANY		GRIFFITH COMPANY		C,C, MYERS, INC.		FLATIRON WEST, INC.		SHAWNAN	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1.	Mobilization	1	L.S.	\$1,240,000.00	\$1,240,000.00	\$1,200,000.00	\$1,200,000.00	\$2,070,327.00	\$2,070,327.00	\$2,300,000.00	\$2,300,000.00	\$2,000,000.20	\$2,000,000.20	\$1,920,000.00	\$1,920,000.00		
2.	Construction Survey, Staking & Survey	1	L.S.	\$120,000.00	\$120,000.00	\$140,000.00	\$140,000.00	\$72,000.00	\$72,000.00	\$50,000.00	\$50,000.00	\$130,000.00	\$130,000.00	\$100,000.00	\$100,000.00		
3.	Develop Construction Water	1	L.S.	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00	\$40,000.00	\$40,000.00	\$27,000.00	\$27,000.00	\$240,000.00	\$240,000.00		
4.	Dust Control & Clean Up	1	L.S.	\$20,000.00	\$20,000.00	\$35,500.00	\$35,500.00	\$200,000.00	\$200,000.00	\$30,000.00	\$30,000.00	\$42,000.00	\$42,000.00	\$540,000.00	\$540,000.00		
5.	Storm Water Pollution Prevention Plan &	1	L.S.	\$200,000.00	\$200,000.00	\$175,000.00	\$175,000.00	\$11,000.00	\$11,000.00	\$50,000.00	\$50,000.00	\$305,000.00	\$305,000.00	\$70,000.00	\$70,000.00		
6.	Traffic Control	1	L.S.	\$96,000.00	\$96,000.00	\$200,000.00	\$200,000.00	\$35,000.00	\$35,000.00	\$75,000.00	\$75,000.00	\$113,000.00	\$113,000.00	\$270,000.00	\$270,000.00		
7.	Unclassified Excavation	1,030	C.Y.	\$10.00	\$10,300.00	\$26.00	\$26,780.00	\$31.00	\$31,930.00	\$12.00	\$12,360.00	\$30.00	\$30,900.00	\$25.00	\$25,750.00		
8.	Clearing & Grubbing	1	L.S.	\$56,000.00	\$56,000.00	\$50,000.00	\$50,000.00	\$10,000.00	\$10,000.00	\$80,000.00	\$80,000.00	\$12,000.00	\$12,000.00	\$430,000.00	\$430,000.00		
9.	Fine Grading	1	L.S.	\$10,000.00	\$10,000.00	\$250,000.00	\$250,000.00	\$280,000.00	\$280,000.00	\$250,000.00	\$250,000.00	\$85,000.00	\$85,000.00	\$1,800,000.00	\$1,800,000.00		
10.	Cold Mill	92,838	S.F.	\$0.50	\$46,419.00	\$0.21	\$19,495.98	\$0.30	\$27,851.40	\$0.20	\$18,567.60	\$0.20	\$18,567.60	\$0.85	\$78,912.30		
11.	Saw-Cut (Existing AC or PCC)	4,124	S.F.	\$2.00	\$8,248.00	\$2.35	\$9,691.40	\$4.00	\$16,496.00	\$4.00	\$16,496.00	\$2.00	\$8,248.00	\$1.00	\$4,124.00		
12.	Remove Curb & Gutter	3,305	S.F.	\$4.00	\$13,220.00	\$5.50	\$18,177.50	\$1.60	\$5,288.00	\$6.00	\$19,830.00	\$5.00	\$16,525.00	\$2.00	\$6,610.00		
13.	Remove AC Pavement (21" Depth)	36,026	S.F.	\$3.00	\$108,078.00	\$1.65	\$59,442.90	\$1.70	\$61,244.20	\$1.50	\$54,039.00	\$1.00	\$36,026.00	\$1.00	\$36,026.00		
14.	Remove Sidewalk	5,019	S.F.	\$2.00	\$10,038.00	\$0.75	\$3,764.25	\$0.20	\$1,003.80	\$2.00	\$10,038.00	\$1.00	\$5,019.00	\$0.50	\$2,509.50		
15.	Remove Chain Link Fence / Gate	1,126	S.F.	\$7.00	\$7,882.00	\$3.56	\$4,008.56	\$4.00	\$4,504.00	\$9.00	\$10,134.00	\$5.00	\$5,630.00	\$1.00	\$1,126.00		
16.	Remove Guardrail	172	S.F.	\$10.00	\$1,720.00	\$18.75	\$3,225.00	\$20.00	\$3,440.00	\$25.00	\$4,300.00	\$18.00	\$3,096.00	\$3.00	\$516.00		
17.	Remove Tree	26	Ea.	\$500.00	\$13,000.00	\$550.00	\$14,300.00	\$985.00	\$25,610.00	\$1,000.00	\$26,000.00	\$700.00	\$18,200.00	\$100.00	\$2,600.00		
18.	Remove Sign - Complex Sign	1	Ea.	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00	\$260.00	\$260.00	\$1,500.00	\$1,500.00	\$1,550.00	\$1,550.00	\$200.00	\$200.00		
19.	Remove Sign - Leasing Sign	1	Ea.	\$400.00	\$400.00	\$3,000.00	\$3,000.00	\$260.00	\$260.00	\$2,000.00	\$2,000.00	\$235.00	\$235.00	\$100.00	\$100.00		
20.	Remove Trash Enclosure	1	Ea.	\$1,000.00	\$1,000.00	\$3,400.00	\$3,400.00	\$1,500.00	\$1,500.00	\$4,000.00	\$4,000.00	\$1,750.00	\$1,750.00	\$400.00	\$400.00		
21.	Remove Pull-Box	2	Ea.	\$400.00	\$800.00	\$970.00	\$1,940.00	\$200.00	\$400.00	\$300.00	\$600.00	\$330.00	\$660.00	\$300.00	\$600.00		
	Remove Catch Basin	1	Ea.	\$800.00	\$800.00	\$1,400.00	\$1,400.00	\$1,420.00	\$1,420.00	\$1,500.00	\$1,500.00	\$535.00	\$535.00	\$1,000.00	\$1,000.00		
	Remove 18" RCP Storm Drain	11	L.F.	\$60.00	\$660.00	\$52.50	\$577.50	\$53.00	\$583.00	\$56.00	\$616.00	\$230.00	\$2,530.00	\$110.00	\$1,210.00		
	Remove 36" HDPE Riser	9	Ea.	\$100.00	\$900.00	\$315.00	\$2,835.00	\$315.00	\$2,835.00	\$340.00	\$3,060.00	\$800.00	\$7,200.00	\$100.00	\$900.00		
	Remove Temporary Catch Basin Riser	10	Ea.	\$1,200.00	\$12,000.00	\$365.00	\$3,650.00	\$370.00	\$3,700.00	\$390.00	\$3,900.00	\$330.00	\$3,300.00	\$100.00	\$1,000.00		
	Remove Wall (6' High)	517	L.F.	\$25.00	\$12,925.00	\$13.50	\$6,979.50	\$60.00	\$31,020.00	\$20.00	\$10,340.00	\$50.00	\$25,850.00	\$10.00	\$5,170.00		
Street Improvements																	
	Asphalt Rubber Hot Mix (ARHM-GG-C-PG64-16, 1/2")	15,451	Ton	\$100.00	\$1,545,100.00	\$78.00	\$1,205,178.00	\$80.00	\$1,236,080.00	\$76.00	\$1,174,276.00	\$75.00	\$1,158,825.00	\$69.00	\$1,066,110.00		
	Asphalt Concrete Pavement Base Course (B-PG 64-10, 3/4")	36,491	Ton	\$90.00	\$3,284,190.00	\$61.00	\$2,225,951.00	\$66.00	\$2,408,406.00	\$65.00	\$2,371,915.00	\$60.00	\$2,189,460.00	\$68.00	\$2,481,380.00		
	Untreated Base	115,748	Ton	\$23.00	\$2,662,204.00	\$9.00	\$1,041,732.00	\$9.75	\$1,128,543.00	\$14.00	\$1,620,472.00	\$17.00	\$1,967,716.00	\$12.80	\$1,481,570.00		
	Untreated Base (City Furnished)	320	Ton	\$8.00	\$2,560.00	\$15.00	\$4,800.00	\$13.00	\$4,160.00	\$17.00	\$5,440.00	\$7.50	\$2,400.00	\$14.00	\$4,480.00		
	Construct 6" Concrete Curb Type B-1 per City of Tustin Std. Plan No. 201	112	L.F.	\$18.00	\$2,016.00	\$17.75	\$1,988.00	\$21.00	\$2,352.00	\$35.00	\$3,920.00	\$15.35	\$1,719.20	\$17.00	\$1,900.00		
	Construct 8" Concrete Curb & Gutter, Type A-2 Per City of Tustin Std. Plan No. 201	21,081	L.F.	\$22.00	\$463,782.00	\$11.00	\$231,891.00	\$12.00	\$252,972.00	\$11.00	\$231,891.00	\$8.70	\$183,404.70	\$10.00	\$210,810.00		
33.	Construct 8" Concrete Curb & Gutter, Type A-2 Per City of Tustin Std. Plan No. 201	20,554	L.F.	\$18.00	\$369,972.00	\$10.25	\$210,678.50	\$10.00	\$205,540.00	\$9.00	\$184,986.00	\$7.25	\$149,016.50	\$10.00	\$205,540.00		
34.	Construct Modified 8" Concrete Median Curb & Gutter per Detail on Sheet 5	1,812	S.F.	\$18.00	\$32,616.00	\$11.00	\$19,932.00	\$10.00	\$18,120.00	\$17.00	\$30,804.00	\$10.45	\$18,935.40	\$6.00	\$10,872.00		
35.	Construct Sidewalk	132,328	S.F.	\$7.00	\$926,296.00	\$3.45	\$456,531.60	\$3.30	\$436,682.40	\$2.20	\$291,121.60	\$1.90	\$251,423.20	\$4.85	\$641,790.80		
36.	Construct Driveway Apron	1,044	S.F.	\$9.00	\$9,396.00	\$7.00	\$7,308.00	\$10.00	\$10,440.00	\$11.00	\$11,484.00	\$9.50	\$9,918.00	\$8.00	\$8,352.00		
37.	Construct Maintenance Road Access per Detail on Sheet 5	304	S.F.	\$10.00	\$3,040.00	\$11.00	\$3,344.00	\$6.20	\$1,884.80	\$12.00	\$3,648.00	\$10.30	\$3,131.20	\$28.00	\$8,512.00		
38.	Construct Curb Ramp (with Detectable Warning Surface)	34	Ea.	\$4,000.00	\$136,000.00	\$1,675.00	\$56,950.00	\$2,230.00	\$75,820.00	\$2,100.00	\$71,400.00	\$1,545.00	\$52,530.00	\$600.00	\$20,400.00		
39.	Construct Local Depression	38	Ea.	\$1,500.00	\$57,000.00	\$1,500.00	\$57,000.00	\$775.00	\$29,450.00	\$1,500.00	\$57,000.00	\$1,070.00	\$40,660.00	\$700.00	\$26,600.00		
40.	Construct Bus Turnout	11,070	S.F.	\$10.00	\$110,700.00	\$7.25	\$80,257.50	\$6.80	\$75,276.00	\$10.00	\$110,700.00	\$5.00	\$55,350.00	\$12.00	\$132,840.00		
41.	Construct Concrete Median Nose per City of Tustin Std. No. 213	11	Ea.	\$200.00	\$2,200.00	\$735.00	\$8,085.00	\$1,660.00	\$18,260.00	\$750.00	\$8,250.00	\$850.00	\$9,350.00	\$700.00	\$7,700.00		
42.	Adjust Manhole to Grade	6	Ea.	\$700.00	\$4,200.00	\$500.00	\$3,000.00	\$605.00	\$3,630.00	\$640.00	\$3,840.00	\$995.00	\$5,970.00	\$400.00	\$2,400.00		
43.	Adjust Water Valve to Grade	13	Ea.	\$450.00	\$5,850.00	\$400.00	\$5,200.00	\$555.00	\$7,215.00	\$600.00	\$7,800.00	\$510.00	\$6,630.00	\$200.00	\$2,600.00		
44.	Adjust to Grade Existing Private Fire Hydrant	1	Ea.	\$2,000.00	\$2,000.00	\$365.00	\$365.00	\$385.00	\$385.00	\$400.00	\$400.00	\$450.00	\$450.00	\$900.00	\$900.00		
45.	Install Concrete Wheel Stop per Detail on Sheet 61	1	Ea.	\$200.00	\$200.00	\$525.00	\$525.00	\$78.00	\$78.00	\$310.00	\$310.00	\$50.00	\$50.00	\$90.00	\$90.00		
46.	Construct Metal Beam Guard Rail per Caltrans Std. Plan No. A7742 & per Metal Beam Guard Rail on Sheet 2	1,881	L.F.	\$40.00	\$75,240.00	\$24.25	\$45,614.25	\$23.00	\$43,263.00	\$25.00	\$47,025.00	\$23.00	\$43,263.00	\$24.00	\$45,144.00		

Exhibit "C"

C-1

**TUSTIN RANCH ROAD, VALENCIA AVENUE & PARK AVENUE EXTENSION AND;
LEGACY ROAD PHASE 2 ROADWAY IMPROVEMENTS CONSTRUCTION PROJECT
CIP NOS. 70100, 70206, 70204, 70214 & 70215**

BID OPENING : FEBRUARY 28, 2012 10:00 A.M.

ENGINEER'S ESTIMATE						R.J. NOBLE COMPANY 15505 E. Lincoln AV ORANGE, CA 92856 714.637.1550	GRIFFITH COMPANY 12200 Bloomfield AV Santa Fe Springs, CA 90670 562.928.1128	C,C, MYERS, INC. 3286 Fitzgerald RD Rancho Cordova, CA 95742 916.635.9370	FLATIRON WEST, INC. 1770 La Costa Meadows Dr. San Marcos, CA 92078 760.918.9100	SHAWNAN 12240 Woodruff AV Downey, Ca 90241 562.803.8977					
ITEM NO.	CONTRACT ITEM DESCRIPTION	APPROX. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
47.	Construct Metal Beam Guard Rail per Caltrans Std. Plan No. A77G3, Type 16B	369	L.F.	\$40.00	\$14,760.00	\$45.50	\$16,789.50	\$43.00	\$15,867.00	\$45.00	\$16,605.00	\$43.00	\$15,867.00	\$22.00	\$8,118.00
48.	Construct Metal Beam Guard Rail per City of Tustin Std. No. 501	268	L.F.	\$30.00	\$8,040.00	\$84.50	\$22,646.00	\$81.00	\$21,708.00	\$78.00	\$20,904.00	\$79.00	\$21,172.00	\$20.00	\$5,360.00
49.	Construct Trash Enclosure per Detail on Sheet 61	1	Ea.	\$12,000.00	\$12,000.00	\$22,000.00	\$22,000.00	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00	\$2,500.00	\$2,500.00
50.	Sound Wall "1"	1,221	L.F.	\$202.00	\$246,642.00	\$341.00	\$416,361.00	\$225.00	\$274,725.00	\$290.00	\$354,090.00	\$300.00	\$366,300.00	\$300.00	\$366,300.00
51.	Sound Wall "2"	359	L.F.	\$14.00	\$5,026.00	\$423.00	\$151,857.00	\$355.00	\$127,445.00	\$500.00	\$179,500.00	\$600.00	\$215,400.00	\$300.00	\$107,700.00
52.	Sound Wall "3"	562	L.F.	\$297.00	\$166,914.00	\$445.00	\$250,090.00	\$340.00	\$191,080.00	\$500.00	\$281,000.00	\$600.00	\$337,200.00	\$300.00	\$168,600.00
53.	Sound Wall "4"	245	L.F.	\$232.00	\$56,840.00	\$425.00	\$104,125.00	\$375.00	\$91,875.00	\$360.00	\$88,200.00	\$400.00	\$98,000.00	\$300.00	\$73,500.00
54.	Construct Parkway Culvert Type "A" per OC RDMD Std. Plan No. 1309, per Detail on Sheet 6	2	Ea.	\$600.00	\$1,200.00	\$5,200.00	\$10,400.00	\$2,070.00	\$4,140.00	\$5,500.00	\$11,000.00	\$2,150.00	\$4,300.00	\$2,000.00	\$4,000.00
55.	Construct Reverse Parkway Drain per APWA Std. No. 151-2 and Detail on Sheet 7	15	Ea.	\$600.00	\$9,000.00	\$5,200.00	\$78,000.00	\$1,600.00	\$24,000.00	\$5,500.00	\$82,500.00	\$2,120.00	\$31,800.00	\$1,500.00	\$22,500.00
56.	Install 4" SCH 40 PVC Irrigation Sleeve	660	L.F.	\$10.00	\$6,600.00	\$7.35	\$4,851.00	\$7.30	\$4,818.00	\$7.50	\$4,950.00	\$8.50	\$5,610.00	\$1.50	\$990.00
57.	Install 6" SCH 40 PVC Irrigation Sleeve	217	L.F.	\$12.00	\$2,604.00	\$8.40	\$1,822.80	\$8.30	\$1,801.10	\$8.50	\$1,844.50	\$11.50	\$2,495.50	\$1.80	\$390.60
58.	Install 2" SCH 80 PVC Irrigation Sleeve	1,260	L.F.	\$8.00	\$10,080.00	\$4.75	\$5,985.00	\$4.70	\$5,922.00	\$4.70	\$5,922.00	\$8.50	\$10,710.00	\$1.00	\$1,260.00
59.	Install 3" SCH 80 PVC Irrigation Sleeve	331	L.F.	\$11.00	\$3,641.00	\$5.25	\$1,737.75	\$5.20	\$1,721.20	\$5.20	\$1,721.20	\$10.50	\$3,475.50	\$3.00	\$993.00
60.	Install 4" SCH 80 PVC Irrigation Sleeve	1,305	L.F.	\$14.00	\$18,270.00	\$8.40	\$10,962.00	\$8.30	\$10,831.50	\$8.50	\$11,092.50	\$11.00	\$14,355.00	\$3.00	\$3,915.00
61.	Install 6" SCH 80 PVC Irrigation Sleeve	598	L.F.	\$18.00	\$10,764.00	\$9.45	\$5,651.10	\$9.30	\$5,561.40	\$9.50	\$5,681.00	\$16.50	\$9,867.00	\$3.15	\$1,883.70
62.	Install Redwood Header per Detail on Sheet 7	754	L.F.	\$6.00	\$4,524.00	\$5.75	\$4,335.50	\$9.90	\$7,464.60	\$5.00	\$3,770.00	\$5.00	\$3,770.00	\$7.00	\$5,278.00
	Install 18" RCP Storm Drain (D-1500)	10	L.F.	\$100.00	\$1,000.00	\$89.00	\$890.00	\$89.00	\$890.00	\$95.00	\$950.00	\$590.00	\$5,900.00	\$350.00	\$3,500.00
	Construct Inlet, Type OL per City of Tustin Std. Plan 302	20	Ea.	\$9,000.00	\$180,000.00	\$5,150.00	\$103,000.00	\$5,160.00	\$103,200.00	\$5,500.00	\$110,000.00	\$5,700.00	\$114,000.00	\$4,000.00	\$80,000.00
	Construct Inlet, Type OS per City of Tustin Std. Plan 302	16	Ea.	\$7,500.00	\$120,000.00	\$3,990.00	\$63,840.00	\$4,000.00	\$64,000.00	\$4,300.00	\$68,800.00	\$4,400.00	\$70,400.00	\$5,000.00	\$80,000.00
	Construct Concrete Collar per SPPWC	2	Ea.	\$3,500.00	\$7,000.00	\$1,025.00	\$2,050.00	\$1,030.00	\$2,060.00	\$1,100.00	\$2,200.00	\$370.00	\$740.00	\$2,000.00	\$4,000.00
Bridge Improvements															
	Structure Excavation (Bridge)	726	C.Y.	\$80.00	\$58,080.00	\$80.00	\$58,080.00	\$50.00	\$36,300.00	\$65.00	\$47,190.00	\$25.00	\$18,150.00	\$70.00	\$50,820.00
	Structure Excavation (Type D)	1,633	C.Y.	\$200.00	\$326,600.00	\$241.00	\$393,553.00	\$210.00	\$342,930.00	\$75.00	\$122,475.00	\$500.00	\$816,500.00	\$200.00	\$326,600.00
	Structure Backfill (Bridge)	1,792	C.Y.	\$100.00	\$179,200.00	\$96.00	\$172,032.00	\$46.00	\$82,432.00	\$90.00	\$161,280.00	\$60.00	\$107,520.00	\$70.00	\$125,440.00
	Furnish Piling (Class 200)	14,718	FT	\$30.00	\$441,540.00	\$35.00	\$515,130.00	\$32.00	\$470,976.00	\$26.00	\$382,668.00	\$33.00	\$485,694.00	\$40.00	\$588,720.00
	Drive Pile (Class 200)	188	Ea.	\$2,500.00	\$470,000.00	\$1,500.00	\$282,000.00	\$1,550.00	\$291,400.00	\$2,000.00	\$376,000.00	\$1,700.00	\$319,600.00	\$1,700.00	\$319,600.00
	Prestressing Cast-In-Place Concrete	1	L.S.	\$205,000.00	\$205,000.00	\$142,000.00	\$142,000.00	\$125,000.00	\$125,000.00	\$140,000.00	\$140,000.00	\$130,000.00	\$130,000.00	\$120,000.00	\$120,000.00
	Structural Concrete (Bridge Footing)	464	C.Y.	\$500.00	\$232,000.00	\$385.00	\$178,640.00	\$570.00	\$264,480.00	\$320.00	\$148,480.00	\$250.00	\$116,000.00	\$350.00	\$162,400.00
	Structural Concrete (Bridge)	3,690	C.Y.	\$700.00	\$2,583,000.00	\$625.00	\$2,306,250.00	\$470.00	\$1,734,300.00	\$630.00	\$2,324,700.00	\$500.00	\$1,845,000.00	\$700.00	\$2,583,000.00
75.	Structure Concrete, Approach Slab (Type N)	230	C.Y.	\$700.00	\$161,000.00	\$575.00	\$132,250.00	\$620.00	\$142,600.00	\$570.00	\$131,100.00	\$600.00	\$138,000.00	\$500.00	\$115,000.00
76.	Architectural Treatment	3,976	S.F.	\$15.00	\$59,640.00	\$5.75	\$22,862.00	\$19.00	\$75,544.00	\$15.00	\$59,640.00	\$11.00	\$43,736.00	\$5.00	\$19,880.00
77.	Joint Seal Assembly (MR=2.5")	215	FT	\$200.00	\$43,000.00	\$455.00	\$97,825.00	\$260.00	\$55,900.00	\$550.00	\$118,250.00	\$605.00	\$130,075.00	\$400.00	\$86,000.00
78.	Bar Reinforcing Steel (Bridge)	1,130,672	LB	\$0.80	\$904,537.60	\$0.97	\$1,096,751.84	\$1.10	\$1,243,739.20	\$0.94	\$1,062,831.68	\$0.80	\$904,537.60	\$0.90	\$1,017,604.80
79.	12" Welded Steel Pipe Casing (Bridge) (3/8" Thick)	70	FT	\$150.00	\$10,500.00	\$210.00	\$14,700.00	\$125.00	\$8,750.00	\$100.00	\$7,000.00	\$127.00	\$8,890.00	\$200.00	\$14,000.00
80.	Slope Paving (Concrete)	56	C.Y.	\$500.00	\$28,000.00	\$980.00	\$54,880.00	\$570.00	\$31,920.00	\$650.00	\$36,400.00	\$750.00	\$42,000.00	\$1,000.00	\$56,000.00
81.	Minor Concrete (Sidewalk & Median)	117	C.Y.	\$450.00	\$52,650.00	\$509.00	\$59,553.00	\$260.00	\$30,420.00	\$410.00	\$47,970.00	\$315.00	\$36,855.00	\$400.00	\$46,800.00
82.	Metal Bridge Railing	893	FT	\$400.00	\$357,200.00	\$455.00	\$406,315.00	\$450.00	\$401,850.00	\$460.00	\$410,780.00	\$440.00	\$392,920.00	\$300.00	\$267,900.00
83.	Concrete Barrier Type 26 (Modified)	447	FT	\$125.00	\$55,875.00	\$142.00	\$63,474.00	\$140.00	\$62,580.00	\$190.00	\$84,930.00	\$115.00	\$51,405.00	\$100.00	\$44,700.00
84.	Concrete Barrier Type 736 (Modified)	446	FT	\$100.00	\$44,600.00	\$112.00	\$49,952.00	\$93.00	\$41,478.00	\$140.00	\$62,440.00	\$91.00	\$40,586.00	\$100.00	\$44,600.00
85.	Bridge Lighting System	1	L.S.	\$44,500.00	\$44,500.00	\$44,700.00	\$44,700.00	\$47,000.00	\$47,000.00	\$40,000.00	\$40,000.00	\$31,000.00	\$31,000.00	\$80,000.00	\$80,000.00
Signals, pavement Delineation / Signing															
86.	Traffic Signal - Legacy Road at Park Avenue	1	L.S.	\$170,000.00	\$170,000.00	\$158,000.00	\$158,000.00	\$168,000.00	\$168,000.00	\$190,000.00	\$190,000.00	\$155,000.00	\$155,000.00	\$150,000.00	\$150,000.00
87.	Traffic Signal - Jamboree Road Off Ramp at Park Avenue	1	L.S.	\$40,000.00	\$40,000.00	\$31,500.00	\$31,500.00	\$34,000.00	\$34,000.00	\$35,000.00	\$35,000.00	\$53,000.00	\$53,000.00	\$40,000.00	\$40,000.00
88.	Traffic Signal - Edinger Avenue & Loop Ramp	1	L.S.	\$206,900.00	\$206,900.00	\$175,000.00	\$175,000.00	\$166,000.00	\$166,000.00	\$185,000.00	\$185,000.00	\$162,000.00	\$162,000.00	\$170,000.00	\$170,000.00

C-2

**TUSTIN RANCH ROAD, VALENCIA AVENUE & PARK AVENUE EXTENSION AND;
LEGACY ROAD PHASE 2 ROADWAY IMPROVEMENTS CONSTRUCTION PROJECT
CIP NOS. 70100, 70206, 70204, 70214 & 70215**

BID OPENING : FEBRUARY 28, 2012 10:00 A.M.

ENGINEER'S ESTIMATE						R.J. NOBLE COMPANY 15505 E. Lincoln AV ORANGE, CA 92856 714.637.1550	GRIFFITH COMPANY 12200 Bloomfield AV Santa Fe Springs, CA 90870 562.929.1128	C,C, MYERS, INC. 3286 Fitzgerald RD Rancho Cordova, CA 95742 916.635.9370	FLATIRON WEST, INC. 1770 La Costa Meadows Dr. San Marcos, CA 92078 760.916.9100	SHAWNAN 12240 Woodruff AV Downey, Ca 90241 562.803.9977					
ITEM NO.	CONTRACT ITEM DESCRIPTION	APPROX. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
89.	Traffic Signal - Tustin Ranch Road & Loop Ramp	1	L.S.	\$204,700.00	\$204,700.00	\$175,000.00	\$175,000.00	\$178,000.00	\$178,000.00	\$180,000.00	\$180,000.00	\$149,000.00	\$149,000.00	\$150,000.00	\$150,000.00
90.	Traffic Signal - Tustin Ranch Road & Legacy Road	1	L.S.	\$261,200.00	\$261,200.00	\$205,000.00	\$205,000.00	\$208,000.00	\$208,000.00	\$210,000.00	\$210,000.00	\$180,000.00	\$180,000.00	\$170,000.00	\$170,000.00
91.	Traffic Signal - Tustin Ranch Road & Valencia Avenue	1	L.S.	\$248,200.00	\$248,200.00	\$215,000.00	\$215,000.00	\$220,000.00	\$220,000.00	\$170,000.00	\$170,000.00	\$211,000.00	\$211,000.00	\$170,000.00	\$170,000.00
92.	Traffic Signal - Tustin Ranch Road & Warner Avenue	1	L.S.	\$96,100.00	\$96,100.00	\$50,000.00	\$50,000.00	\$48,000.00	\$48,000.00	\$65,000.00	\$65,000.00	\$81,000.00	\$81,000.00	\$40,000.00	\$40,000.00
93.	Traffic Signal Modification - Tustin Ranch Road & Walnut Avenue	1	L.S.	\$304,700.00	\$304,700.00	\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$260,000.00	\$260,000.00	\$198,000.00	\$198,000.00	\$170,000.00	\$170,000.00
94.	Traffic Signal Modification - Walnut Avenue & Cherrywood Lane - Install Loops Only	1	L.S.	\$7,400.00	\$7,400.00	\$2,100.00	\$2,100.00	\$2,200.00	\$2,200.00	\$5,000.00	\$5,000.00	\$3,100.00	\$3,100.00	\$10,000.00	\$10,000.00
95.	Traffic Signal Interconnect	1	L.S.	\$171,000.00	\$171,000.00	\$155,000.00	\$155,000.00	\$155,000.00	\$155,000.00	\$100,000.00	\$100,000.00	\$108,000.00	\$108,000.00	\$100,000.00	\$100,000.00
96.	Remove Striping	1	L.S.	\$19,215.00	\$19,215.00	\$4,300.00	\$4,300.00	\$27,460.00	\$27,460.00	\$27,000.00	\$27,000.00	\$27,000.00	\$27,000.00	\$3,000.00	\$3,000.00
97.	Install Sign - 2 Post	1	Ea.	\$600.00	\$600.00	\$400.00	\$400.00	\$830.00	\$830.00	\$800.00	\$800.00	\$1,000.00	\$1,000.00	\$280.00	\$280.00
98.	Install Sign - 1 Post	48	Ea.	\$200.00	\$9,600.00	\$220.00	\$10,560.00	\$265.00	\$12,720.00	\$260.00	\$12,480.00	\$300.00	\$14,400.00	\$130.00	\$6,240.00
99.	Install Sign - No Post	182	Ea.	\$150.00	\$27,300.00	\$80.00	\$14,560.00	\$130.00	\$23,660.00	\$125.00	\$22,750.00	\$100.00	\$18,200.00	\$70.00	\$12,740.00
100.	Relocate Sign - 1 Post	9	Ea.	\$80.00	\$720.00	\$69.00	\$621.00	\$220.00	\$1,980.00	\$210.00	\$1,890.00	\$250.00	\$2,250.00	\$100.00	\$900.00
101.	Relocate Sign - No Post	16	Ea.	\$20.00	\$320.00	\$47.00	\$752.00	\$67.00	\$1,072.00	\$65.00	\$1,040.00	\$100.00	\$1,600.00	\$40.00	\$640.00
102.	Remove Sign - 1 Post	6	Ea.	\$50.00	\$300.00	\$58.00	\$348.00	\$105.00	\$630.00	\$100.00	\$600.00	\$100.00	\$600.00	\$20.00	\$120.00
103.	Remove Sign - No Post	17	Ea.	\$25.00	\$425.00	\$37.00	\$629.00	\$67.00	\$1,139.00	\$65.00	\$1,105.00	\$100.00	\$1,700.00	\$20.00	\$340.00
104.	Remove Channelizer	25	Ea.	\$20.00	\$500.00	\$16.00	\$400.00	\$10.00	\$250.00	\$10.00	\$250.00	\$25.00	\$625.00	\$10.00	\$250.00
105.	Remove Type III Barricade	7	Ea.	\$100.00	\$700.00	\$53.00	\$371.00	\$21.00	\$147.00	\$20.00	\$140.00	\$70.00	\$490.00	\$50.00	\$350.00
5.	Install Thermoplastic Traffic Striping Detail "9" Caltrans Std.	43,176	L.F.	\$0.50	\$21,588.00	\$0.35	\$15,111.60	\$0.40	\$17,270.40	\$0.42	\$18,133.92	\$0.45	\$19,429.20	\$0.50	\$21,588.00
7.	Install Thermoplastic Traffic Striping Detail "22" Caltrans Std.	220	L.F.	\$1.65	\$363.00	\$1.35	\$297.00	\$1.10	\$242.00	\$1.10	\$242.00	\$1.15	\$253.00	\$0.50	\$110.00
3.	Install Thermoplastic Traffic Striping Detail "24" Caltrans Std.	7	L.F.	\$1.36	\$9.52	\$0.65	\$4.55	\$2.10	\$14.70	\$2.00	\$14.00	\$2.05	\$14.35	\$4.00	\$28.00
3.	Install Thermoplastic Traffic Striping Detail "27B" Caltrans Std.	1,405	L.F.	\$1.36	\$1,910.80	\$0.50	\$702.50	\$2.10	\$2,950.50	\$2.00	\$2,810.00	\$2.05	\$2,880.25	\$0.50	\$702.50
3.	Install Thermoplastic Traffic Striping Detail "28" Caltrans Std.	431	L.F.	\$5.36	\$2,310.16	\$1.95	\$840.45	\$2.10	\$905.10	\$2.00	\$862.00	\$2.05	\$883.55	\$0.50	\$215.50
1.	Install Thermoplastic Traffic Striping Detail "29" Caltrans Std.	702	L.F.	\$5.77	\$4,050.54	\$1.20	\$842.40	\$2.10	\$1,474.20	\$2.00	\$1,404.00	\$2.05	\$1,439.10	\$0.50	\$351.00
2.	Install Thermoplastic Traffic Striping Detail "37B" Caltrans Std.	1,064	L.F.	\$0.88	\$936.32	\$0.65	\$691.60	\$1.00	\$1,064.00	\$1.00	\$1,064.00	\$1.05	\$1,117.20	\$0.50	\$532.00
3	Install Thermoplastic Traffic Striping Detail "38" Caltrans Std.	14,788	L.F.	\$2.85	\$42,145.80	\$1.05	\$15,527.40	\$0.90	\$13,309.20	\$0.90	\$13,309.20	\$0.95	\$14,048.60	\$0.50	\$7,394.00
4.	Install Thermoplastic Traffic Striping Detail "39" Caltrans Std.	18,291	L.F.	\$2.00	\$36,582.00	\$0.70	\$12,803.70	\$0.70	\$12,803.70	\$0.65	\$11,889.15	\$0.70	\$12,803.70	\$0.50	\$9,145.50
115.	Install Thermoplastic Traffic Striping Detail "39A" Caltrans Std.	4,872	L.F.	\$0.68	\$3,312.96	\$0.45	\$2,192.40	\$0.70	\$3,410.40	\$0.65	\$3,166.80	\$0.70	\$3,410.40	\$0.50	\$2,436.00
116.	Install Thermoplastic Traffic Striping Detail "40" Caltrans Std.	460	L.F.	\$0.50	\$230.00	\$0.35	\$161.00	\$2.10	\$966.00	\$2.00	\$920.00	\$2.05	\$943.00	\$0.50	\$230.00
117.	Install Thermoplastic Traffic Striping Lane Line Extension Thru Intersection (Detail B on Plan)	1,449	L.F.	\$0.80	\$1,159.20	\$0.80	\$1,159.20	\$1.00	\$1,449.00	\$1.00	\$1,449.00	\$1.05	\$1,521.45	\$0.50	\$724.50
118.	Install Thermoplastic Traffic Striping 4" Solid White Lead Line	3,332	L.F.	\$1.53	\$5,097.96	\$0.70	\$2,332.40	\$1.00	\$3,332.00	\$1.00	\$3,332.00	\$1.05	\$3,498.60	\$0.50	\$1,666.00
119.	Install Thermoplastic Traffic Striping 4" Solid White or Yellow Line	1,109	L.F.	\$1.50	\$1,663.50	\$0.65	\$720.85	\$1.00	\$1,109.00	\$1.00	\$1,109.00	\$1.05	\$1,164.45	\$0.50	\$554.50
120.	Install Thermoplastic Traffic Striping 8" Solid White Line	1,745	L.F.	\$1.80	\$3,141.00	\$1.50	\$2,617.50	\$1.60	\$2,792.00	\$1.50	\$2,617.50	\$1.55	\$2,704.75	\$1.00	\$1,745.00
121.	Install Thermoplastic Traffic Striping 12" Solid White or Yellow Line	6,441	L.F.	\$4.00	\$25,764.00	\$1.85	\$11,915.85	\$2.80	\$18,034.80	\$2.70	\$17,390.70	\$2.75	\$17,712.75	\$1.70	\$10,949.70
122.	Install Thermoplastic Traffic Striping Detail E per Plan - White Lane Line	1,100	L.F.	\$1.00	\$1,100.00	\$0.70	\$770.00	\$1.00	\$1,100.00	\$1.00	\$1,100.00	\$1.05	\$1,155.00	\$0.50	\$550.00
123.	Install Thermoplastic Traffic Striping Pavement Markings (Symbols, Lettering & Arrows, Etc.)	6,660	L.F.	\$4.00	\$26,640.00	\$3.70	\$24,642.00	\$2.90	\$19,314.00	\$2.80	\$18,648.00	\$2.85	\$18,981.00	\$1.00	\$6,660.00
124.	Install Type "H" Raised Reflective Pavement Markers	18,475	L.F.	\$2.50	\$46,187.50	\$0.16	\$2,956.00	\$0.30	\$5,542.50	\$0.25	\$4,618.75	\$0.25	\$4,618.75	\$1.00	\$18,475.00

C-3

BID OPENING : FEBRUARY 28, 2012 10:00 A.M.

ENGINEER'S ESTIMATE						R.J. NOBLE COMPANY 15505 E. Lincoln AV ORANGE, CA 92856 714.697.1550	GRIFFITH COMPANY 12200 Bloomfield AV Santa Fe Springs, CA 90670 562.929.1128	C.C. MYERS, INC. 3286 Fitzgerald RD Rancho Cordova, CA 95742 916.635.9370	FLATIRON WEST, INC. 1770 La Costa Meadows Dr. San Marcos, CA 92078 760.916.9100	SHAWNAN 12240 Woodruff AV Downey, Ca 90241 562.603.9977					
ITEM NO.	CONTRACT ITEM DESCRIPTION	APPROX. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
125.	Paint Median Nose & Install Markers per City of Tustin Std. 507	25	Ea.	\$50.00	\$1,250.00	\$70.00	\$1,750.00	\$130.00	\$3,250.00	\$125.00	\$3,125.00	\$130.00	\$3,250.00	\$40.00	\$1,000.00
Landscaping & Irrigation Improvements															
126.	Interlocking Concrete Pavers for Median Nosing Paving	14,955	S.F.	\$12.00	\$179,460.00	\$11.60	\$173,478.00	\$9.20	\$137,586.00	\$14.00	\$209,370.00	\$8.35	\$124,874.25	\$13.00	\$194,415.00
127.	Interlocking Concrete Pavers for Maintenance Edge Paving	15,750	S.F.	\$16.00	\$252,000.00	\$14.00	\$220,500.00	\$15.00	\$236,250.00	\$17.00	\$267,750.00	\$8.10	\$127,575.00	\$7.00	\$110,250.00
128.	Interlocking Concrete Pavers for Median Emergency Vehicles	165	S.F.	\$22.00	\$3,630.00	\$14.25	\$2,351.25	\$17.00	\$2,805.00	\$17.00	\$2,805.00	\$49.00	\$8,085.00	\$43.00	\$7,095.00
129.	Concrete Paving Under Bridge	4,645	S.F.	\$10.00	\$46,450.00	\$3.40	\$15,793.00	\$10.00	\$46,450.00	\$8.00	\$37,160.00	\$9.10	\$42,269.50	\$7.00	\$32,515.00
130.	Decomposed Granite with Stabilizer	8,585	S.F.	\$2.00	\$17,170.00	\$1.45	\$12,448.25	\$1.80	\$15,453.00	\$6.00	\$51,510.00	\$1.40	\$12,019.00	\$1.00	\$8,585.00
131.	Rock Cobble	750	S.F.	\$6.00	\$4,500.00	\$6.85	\$5,137.50	\$5.70	\$4,275.00	\$5.00	\$3,750.00	\$6.50	\$4,875.00	\$19.00	\$14,250.00
132.	Landscape Planting	1	L.S.	\$834,417.00	\$834,417.00	\$437,000.00	\$437,000.00	\$430,000.00	\$430,000.00	\$440,000.00	\$440,000.00	\$415,500.00	\$415,500.00	\$300,000.00	\$300,000.00
133.	60-Working Day Plant Establishment Period	1	L.S.	\$12,400.00	\$12,400.00	\$7,875.00	\$7,875.00	\$13,200.00	\$13,200.00	\$8,000.00	\$8,000.00	\$7,500.00	\$7,500.00	\$4,000.00	\$4,000.00
134.	Irrigation System	1	L.S.	\$417,310.00	\$417,310.00	\$545,000.00	\$545,000.00	\$410,000.00	\$410,000.00	\$550,000.00	\$550,000.00	\$518,500.00	\$518,500.00	\$500,000.00	\$500,000.00
IRWD Capital Improvements															
Sewer															
135.	Install 12" PVC, SDR-35, Sewer per IRWD Std. S-6	874	L.F.	\$50.00	\$43,700.00	\$79.80	\$69,745.20	\$89.00	\$77,786.00	\$85.00	\$74,290.00	\$121.00	\$105,754.00	\$70.00	\$61,180.00
136.	Install 12" PVC, SDR-35, Sewer per Modified IRWD Std. S-6, Replace 3/4" Crushed Rock Bedding Zone with Special Construction Zone Backfill (in Special Construction Zone)	135	L.F.	\$65.00	\$8,775.00	\$79.80	\$10,773.00	\$89.00	\$12,015.00	\$85.00	\$11,475.00	\$138.00	\$18,630.00	\$140.00	\$18,900.00
	Install 12" AWWA, C-900 PVC, CL 200 Sewer per IRWD Std. S-6	2,030	L.F.	\$60.00	\$121,800.00	\$167.00	\$339,010.00	\$177.00	\$359,310.00	\$150.00	\$304,500.00	\$130.00	\$263,900.00	\$70.00	\$142,100.00
	Install 15" PVC, SDR-35, Sewer per IRWD Std. S-6	559	L.F.	\$75.00	\$41,925.00	\$120.00	\$67,080.00	\$135.00	\$75,465.00	\$130.00	\$72,670.00	\$107.00	\$59,813.00	\$80.00	\$44,720.00
	Install 18" PVC, SDR-35, Sewer per IRWD Std. S-6	696	L.F.	\$90.00	\$62,640.00	\$135.00	\$93,960.00	\$150.00	\$104,400.00	\$150.00	\$104,400.00	\$119.00	\$82,824.00	\$90.00	\$62,640.00
	Install 18" PVC, SDR-35, Sewer per Modified IRWD Std. S-6, Replace 3/4" Crushed Rock Bedding Zone with Special Construction Zone Backfill (in Special Construction Zone)	455	L.F.	\$115.00	\$52,325.00	\$135.00	\$61,425.00	\$150.00	\$68,250.00	\$150.00	\$68,250.00	\$138.00	\$62,790.00	\$98.00	\$44,590.00
	Install 20" PVC, SDR-35, Sewer per Modified IRWD Std S-6, Replace 3/4" Crushed Rock Bedding Zone with Special Construction Zone Backfill (in Special Construction Zone)	210	L.F.	\$125.00	\$26,250.00	\$173.00	\$36,330.00	\$190.00	\$39,900.00	\$180.00	\$37,800.00	\$184.00	\$38,640.00	\$120.00	\$25,200.00
142.	Construct 48" Sewer Manhole per IRWD Std. S-1	7	Ea.	\$3,100.00	\$21,700.00	\$3,990.00	\$27,930.00	\$4,430.00	\$31,010.00	\$4,300.00	\$30,100.00	\$7,660.00	\$53,620.00	\$4,000.00	\$28,000.00
143.	Construct 60" Sewer Manhole per IRWD Std. S-1	10	Ea.	\$3,900.00	\$39,000.00	\$5,565.00	\$55,650.00	\$6,170.00	\$61,700.00	\$5,900.00	\$59,000.00	\$7,735.00	\$77,350.00	\$11,000.00	\$110,000.00
144.	Construct 60" Sewer Manhole per IRWD Std. S-1 (in Special Construction Zone)	1	Ea.	\$4,900.00	\$4,900.00	\$5,565.00	\$5,565.00	\$6,170.00	\$6,170.00	\$5,900.00	\$5,900.00	\$12,550.00	\$12,550.00	\$15,000.00	\$15,000.00
145.	Install Sewer Plug	3	Ea.	\$200.00	\$600.00	\$185.00	\$555.00	\$205.00	\$615.00	\$200.00	\$600.00	\$141.00	\$423.00	\$700.00	\$2,100.00
146.	Install Sewer Plug (in Special Construction Zone)	1	Ea.	\$250.00	\$250.00	\$262.00	\$262.00	\$305.00	\$305.00	\$280.00	\$280.00	\$208.00	\$208.00	\$900.00	\$900.00
147.	Remove Plug & Join Existing Sewer Line (in Special Construction Zone)	2	Ea.	\$2,500.00	\$5,000.00	\$365.00	\$730.00	\$410.00	\$820.00	\$390.00	\$780.00	\$6,675.00	\$13,350.00	\$400.00	\$800.00
148.	Install Clean-Out per IRWD Std. S-5	5	Ea.	\$1,000.00	\$5,000.00	\$682.00	\$3,410.00	\$755.00	\$3,775.00	\$730.00	\$3,650.00	\$1,390.00	\$6,950.00	\$900.00	\$4,500.00
149.	Install Clean-Out per IRWD Std. S-5 (in Special Construction Zone)	1	Ea.	\$1,250.00	\$1,250.00	\$785.00	\$785.00	\$875.00	\$875.00	\$840.00	\$840.00	\$2,410.00	\$2,410.00	\$2,800.00	\$2,800.00
150.	Construct Sewer Lateral per IRWD Std. S-3	51	L.F.	\$25.00	\$1,275.00	\$72.50	\$3,697.50	\$80.00	\$4,080.00	\$77.00	\$3,927.00	\$100.00	\$5,100.00	\$260.00	\$13,260.00
151.	Construct Sewer Casing per IRWD Std. W-21 for C-900 PVC Pipe	28	L.F.	\$20.00	\$560.00	\$121.00	\$3,388.00	\$135.00	\$3,780.00	\$130.00	\$3,640.00	\$1,165.00	\$32,620.00	\$500.00	\$14,000.00
152.	Install Steel Casing for Sewer Pipe per IRWD Std. S-7	30	L.F.	\$50.00	\$1,500.00	\$141.00	\$4,230.00	\$155.00	\$4,650.00	\$150.00	\$4,500.00	\$1,090.00	\$32,700.00	\$500.00	\$15,000.00

C-4

**TUSTIN RANCH ROAD, VALENCIA AVENUE & PARK AVENUE EXTENSION AND;
LEGACY ROAD PHASE 2 ROADWAY IMPROVEMENTS CONSTRUCTION PROJECT
CIP NOS. 70100, 70206, 70204, 70214 & 70215**

BID OPENING : FEBRUARY 28, 2012 10:00 A.M.

ENGINEER'S ESTIMATE						R.J. NOBLE COMPANY 15505 E. Lincoln AV ORANGE, CA 92856 714.637.1550	GRIFFITH COMPANY 12200 Bloomfield AV Santa Fe Springs, CA 90670 562.929.1128	C.C. MYERS, INC. 3286 Fitzgerald RD Rancho Cordova, CA 95742 916.635.9370	FLATIRON WEST, INC. 1770 La Costa Meadows Dr. San Marcos, CA 92078 760.916.9100	SHAWNAN 12240 Woodruff AV Downey, Ca 90241 562.803.9977					
ITEM NO.	CONTRACT ITEM DESCRIPTION	APPROX. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
153.	Construct CP Test Station per IRWD Std. CP-1	2	Ea.	\$1,500.00	\$3,000.00	\$658.00	\$1,316.00	\$730.00	\$1,460.00	\$700.00	\$1,400.00	\$2,820.00	\$5,640.00	\$800.00	\$1,600.00
154.	Install Two Wire CP Test Station per IRWD Std. CP-1 & CP-7 (Sewer)	2	Ea.	\$1,500.00	\$3,000.00	\$658.00	\$1,316.00	\$730.00	\$1,460.00	\$700.00	\$1,400.00	\$2,875.00	\$5,750.00	\$900.00	\$1,800.00
					\$444,450.00		\$787,157.70		\$857,826.00		\$789,402.00		\$881,022.00		\$609,090.00
Domestic Water															
155.	Remove & Replace Existing AC Pavement per IRWD Facilities Special Provisions (in Special Construction Zone)	76	S.F.	\$15.00	\$1,140.00	\$19.00	\$1,444.00	\$20.00	\$1,520.00	\$20.00	\$1,520.00	\$20.00	\$1,520.00	\$20.00	\$1,520.00
156.	Install 12" AWWA, C-900 DIP, CI200, Domestic Water per IRWD Std. W-17	210	L.F.	\$75.00	\$15,750.00	\$100.00	\$21,000.00	\$105.00	\$22,050.00	\$110.00	\$23,100.00	\$182.00	\$34,020.00	\$120.00	\$25,200.00
157.	Install 12" AWWA C-900 PVC, CI200, Domestic Water per IRWD Std. W-17	4,871	L.F.	\$52.00	\$253,292.00	\$88.00	\$428,648.00	\$94.00	\$457,874.00	\$89.00	\$433,519.00	\$55.00	\$267,905.00	\$90.00	\$438,390.00
158.	Install 12" AWWA C-900 PVC, Cal 200, Domestic Water per IRWD St. W-17 (in Special Construction Zone)	818	L.F.	\$65.00	\$53,170.00	\$83.00	\$67,894.00	\$87.00	\$71,166.00	\$89.00	\$72,802.00	\$95.00	\$77,710.00	\$95.00	\$77,710.00
159.	Install 12" DW Butterfly Valve (FE x FE) & Valve Box per IRWD Std. W-22	18	Ea.	\$1,900.00	\$34,200.00	\$3,100.00	\$55,800.00	\$3,240.00	\$58,320.00	\$3,300.00	\$59,400.00	\$3,200.00	\$57,600.00	\$1,000.00	\$18,000.00
160.	Install 12" DW Butterfly Valve (FE x FE) & Valve Box per IRWD Std. W-22 (in Special Construction Zone)	3	Ea.	\$2,400.00	\$7,200.00	\$3,100.00	\$9,300.00	\$3,240.00	\$9,720.00	\$3,300.00	\$9,900.00	\$3,190.00	\$9,570.00	\$1,100.00	\$3,300.00
161.	Install 12" x 12" DI Tee (FE x FE) & Thrust Block per IRWD Std. W-16	2	Ea.	\$1,000.00	\$2,000.00	\$955.00	\$1,910.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$1,040.00	\$2,080.00	\$700.00	\$1,400.00
162.	Install 12" x 12" DI Tee (FE x FE) & Thrust Block per IRWD Std. W-16 (in Special Construction Zone)	1	Ea.	\$1,250.00	\$1,250.00	\$955.00	\$955.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,060.00	\$1,060.00	\$900.00	\$900.00
3.	Install 12"x12"x8"x8" DI Cross (FE x FE) & Thrust Block pr IRWD Std. W-16	1	Ea.	\$1,300.00	\$1,300.00	\$1,100.00	\$1,100.00	\$1,160.00	\$1,160.00	\$1,200.00	\$1,200.00	\$1,420.00	\$1,420.00	\$700.00	\$700.00
4.	Install 12"x12"x10"x10" DI Cross (FE x FE) & Thrust Block per IRWD Std. W-16	2	Ea.	\$1,500.00	\$3,000.00	\$1,290.00	\$2,580.00	\$1,350.00	\$2,700.00	\$1,400.00	\$2,800.00	\$1,490.00	\$2,980.00	\$800.00	\$1,600.00
5.	Install 1" Air Release & Vacuum Assembly per IRWD Std. W-11 (in Special Construction Zone)	1	Ea.	\$4,400.00	\$4,400.00	\$2,100.00	\$2,100.00	\$2,170.00	\$2,170.00	\$2,200.00	\$2,200.00	\$4,535.00	\$4,535.00	\$1,000.00	\$1,000.00
6.	Install 2" Air Release & Vacuum Assembly per IRWD Std. W-11	4	Ea.	\$3,600.00	\$14,400.00	\$4,475.00	\$17,900.00	\$4,680.00	\$18,720.00	\$4,800.00	\$19,200.00	\$5,180.00	\$20,720.00	\$800.00	\$3,200.00
7.	Install Blow-Off Assembly per IRWD Std. W-14	5	Ea.	\$2,100.00	\$10,500.00	\$6,200.00	\$31,000.00	\$6,480.00	\$32,400.00	\$6,600.00	\$33,000.00	\$8,260.00	\$41,300.00	\$700.00	\$3,500.00
8.	Remove Existing Temporary Blow Off & Join Existing Water Line with Tapping Sleeve & Gate Valve per IRWD Std. W-22 (in Special Construction Zone)	1	Ea.	\$2,500.00	\$2,500.00	\$8,300.00	\$8,300.00	\$8,680.00	\$8,680.00	\$8,900.00	\$8,900.00	\$10,525.00	\$10,525.00	\$2,800.00	\$2,800.00
3.	Install Temporary End of the Line Blow-Off Assembly per IRWD Std. W-12	4	Ea.	\$1,100.00	\$4,400.00	\$1,295.00	\$5,180.00	\$935.00	\$3,740.00	\$950.00	\$3,800.00	\$1,600.00	\$6,400.00	\$700.00	\$2,800.00
170.	Install Temporary End of the Line Blow-Off Assembly per IRWD Std. W-12 (in Special Construction Zone)	1	Ea.	\$1,400.00	\$1,400.00	\$1,616.00	\$1,616.00	\$935.00	\$935.00	\$950.00	\$950.00	\$1,505.00	\$1,505.00	\$1,000.00	\$1,000.00
171.	Install 12" 45 Degree Bend (PO x PO) & Thrust Block per IRWD Std. W-16	3	Ea.	\$1,000.00	\$3,000.00	\$755.00	\$2,265.00	\$540.00	\$1,620.00	\$550.00	\$1,650.00	\$745.00	\$2,235.00	\$700.00	\$2,100.00
172.	Install 12" 45 Degree Bend (PO x PO) & Thrust Block per IRWD Std. W-16 (in Special Construction Zone)	2	Ea.	\$1,250.00	\$2,500.00	\$755.00	\$1,510.00	\$540.00	\$1,080.00	\$550.00	\$1,100.00	\$750.00	\$1,500.00	\$900.00	\$1,800.00
173.	Install 12" (FE x PO) DI Adapter	17	Ea.	\$400.00	\$6,800.00	\$1,100.00	\$18,700.00	\$300.00	\$5,100.00	\$310.00	\$5,270.00	\$740.00	\$12,580.00	\$400.00	\$6,800.00
174.	Install 12" (FE x PO) DI Adapter (in Special Construction Zone)	3	Ea.	\$500.00	\$1,500.00	\$1,300.00	\$3,900.00	\$300.00	\$900.00	\$310.00	\$930.00	\$730.00	\$2,190.00	\$500.00	\$1,500.00
175.	Relocate Existing Air Release & Vacuum Assembly	1	Ea.	\$1,000.00	\$1,000.00	\$2,375.00	\$2,375.00	\$1,320.00	\$1,320.00	\$1,300.00	\$1,300.00	\$4,405.00	\$4,405.00	\$700.00	\$700.00
176.	Install 12" x 8" Tee (FE x FE)	3	Ea.	\$1,200.00	\$3,600.00	\$1,100.00	\$3,300.00	\$905.00	\$2,715.00	\$920.00	\$2,760.00	\$960.00	\$2,880.00	\$700.00	\$2,100.00
177.	Install 12" 11.25 Deg DI Bend (PO x PO) & Thrust Block per IRWD Std. W-16	4	Ea.	\$1,000.00	\$4,000.00	\$1,100.00	\$4,400.00	\$545.00	\$2,180.00	\$550.00	\$2,200.00	\$1,025.00	\$4,100.00	\$1,000.00	\$4,000.00
178.	Relocate Two Wire CP Test Station per IRWD Std. CP-1 & CP-7	2	Ea.	\$800.00	\$1,600.00	\$1,100.00	\$2,200.00	\$550.00	\$1,100.00	\$560.00	\$1,120.00	\$3,480.00	\$6,960.00	\$600.00	\$1,200.00
179.	Remove Temporary Flush-Out & Join Existing	2	Ea.	\$1,500.00	\$3,000.00	\$7,545.00	\$15,090.00	\$2,750.00	\$5,500.00	\$2,800.00	\$5,600.00	\$5,000.00	\$10,000.00	\$700.00	\$1,400.00

C-5

**TUSTIN RANCH ROAD, VALENCIA AVENUE & PARK AVENUE EXTENSION AND;
LEGACY ROAD PHASE 2 ROADWAY IMPROVEMENTS CONSTRUCTION PROJECT
CIP NOS. 70100, 70206, 70204, 70214 & 70215**

BID OPENING : FEBRUARY 28, 2012 10:00 A.M.

ITEM NO.	CONTRACT ITEM DESCRIPTION	APPROX. QTY	UNIT	ENGINEER'S ESTIMATE		R.J. NOBLE COMPANY		GRIFFITH COMPANY		C,C, MYERS, INC.		FLATIRON WEST, INC.		SHAWNAN	
				UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
180.	Install Temporary (DW) Flush Out Assembly per IRWD Std. W-12	1	Ea.	\$1,100.00	\$1,100.00	\$1,620.00	\$1,620.00	\$935.00	\$935.00	\$950.00	\$950.00	\$2,550.00	\$2,550.00	\$700.00	\$700.00
181.	Remove Existing Temporary (DW) Flush Out & Join Existing (in Special Construction Zone)	1	Ea.	\$1,875.00	\$1,875.00	\$2,155.00	\$2,155.00	\$2,750.00	\$2,750.00	\$2,800.00	\$2,800.00	\$875.00	\$875.00	\$1,000.00	\$1,000.00
					\$439,877.00		\$714,242.00		\$719,355.00		\$700,971.00		\$591,125.00		\$606,320.00
	Recycled Water														
182.	Install Casing Test Station per IRWD Std. CVP-3	4	Ea.	\$2,000.00	\$8,000.00	\$1,100.00	\$4,400.00	\$630.00	\$2,520.00	\$640.00	\$2,560.00	\$3,000.00	\$12,000.00	\$700.00	\$2,800.00
183.	Install 6" CML&C Fully Welded Steel Pipe 22.5 Degree Below. Minimum Working Pressure 200 PSI Minimum Nominal Wall Thickness 0.25" per IRWD	4	Ea.	\$400.00	\$1,600.00	\$1,100.00	\$4,400.00	\$385.00	\$1,540.00	\$390.00	\$1,560.00	\$610.00	\$2,440.00	\$1,000.00	\$4,000.00
184.	Install 6" 22.5 Degree DI Bend (PO x PO) (CL 200) & Thrust Block per IRWD Std. W-16	4	Ea.	\$1,000.00	\$4,000.00	\$1,100.00	\$4,400.00	\$210.00	\$840.00	\$210.00	\$840.00	\$205.00	\$820.00	\$700.00	\$2,800.00
185.	Install 30" Access Openings per Bridge Improvement Plans	8	Ea.	\$1,500.00	\$12,000.00	\$630.00	\$5,040.00	\$205.00	\$1,640.00	\$1,800.00	\$14,400.00	\$865.00	\$6,920.00	\$700.00	\$5,600.00
186.	Install Double Ball Flexible Expansion Joint per Detail on Sheet 51 of Bridge Plans	2	Ea.	\$15,000.00	\$30,000.00	\$5,390.00	\$10,780.00	\$4,830.00	\$9,660.00	\$4,900.00	\$9,800.00	\$6,000.00	\$12,000.00	\$1,000.00	\$2,000.00
187.	Install Two Wire Test Station per IRWD Std. CP-1	5	Ea.	\$1,500.00	\$7,500.00	\$755.00	\$3,775.00	\$630.00	\$3,150.00	\$640.00	\$3,200.00	\$3,000.00	\$15,000.00	\$700.00	\$3,500.00
188.	Install 6" AWWA C-900 PVC Purple Pipe, Cal 200, per IRWD Std. W-17	8,653	L.F.	\$25.00	\$216,325.00	\$50.00	\$432,650.00	\$48.00	\$415,344.00	\$48.00	\$415,344.00	\$37.00	\$320,161.00	\$22.00	\$190,366.00
	Install 6" AWWA C-900 PVC Purple Pipe, Cal 200, per IRWD Std. W-17 (in Special Construction Zone)	410	L.F.	\$35.00	\$14,350.00	\$80.75	\$33,107.50	\$48.00	\$19,680.00	\$48.00	\$19,680.00	\$46.00	\$18,960.00	\$32.00	\$13,120.00
	Install 16" AWWA C-900 PVC Purple Pipe, CL 200, per IRWD Std. W-17	211	L.F.	\$75.00	\$15,825.00	\$86.25	\$18,198.75	\$93.00	\$19,623.00	\$95.00	\$20,045.00	\$106.00	\$22,366.00	\$37.00	\$7,807.00
	Install 6" RW Gate Valve (FE x FE) & Valve Box Per IRWD Std. W-22	14	Ea.	\$1,000.00	\$14,000.00	\$2,155.00	\$30,170.00	\$1,040.00	\$14,560.00	\$1,100.00	\$15,400.00	\$1,600.00	\$22,400.00	\$700.00	\$9,800.00
	Install 16" RW Butterfly Valve (FE x PO) & Valve Box per IRWD Std. W-22	2	Ea.	\$5,000.00	\$10,000.00	\$4,300.00	\$8,600.00	\$4,610.00	\$9,220.00	\$4,700.00	\$9,400.00	\$4,200.00	\$8,400.00	\$2,000.00	\$4,000.00
	Install 1" Air Release & Vacuum Assembly per IRWD Std. W-11	2	Ea.	\$3,500.00	\$7,000.00	\$3,775.00	\$7,550.00	\$2,090.00	\$4,180.00	\$2,100.00	\$4,200.00	\$4,265.00	\$8,530.00	\$1,200.00	\$2,400.00
	Install 2" Air Release & Vacuum Assembly per IRWD Std. W-11	4	Ea.	\$3,600.00	\$14,400.00	\$4,315.00	\$17,260.00	\$3,190.00	\$12,760.00	\$3,200.00	\$12,800.00	\$5,230.00	\$20,920.00	\$1,000.00	\$4,000.00
	Install Steel Casing for Water Pipe per IRWD Std. W-21	70	L.F.	\$150.00	\$10,500.00	\$162.00	\$11,340.00	\$120.00	\$8,400.00	\$120.00	\$8,400.00	\$140.00	\$9,800.00	\$400.00	\$28,000.00
	Install Blow-Off Assembly per IRWD Std. W-14	4	Ea.	\$2,100.00	\$8,400.00	\$5,390.00	\$21,560.00	\$6,480.00	\$25,920.00	\$6,600.00	\$26,400.00	\$8,115.00	\$32,460.00	\$700.00	\$2,800.00
197.	Remove Existing Temporary Blow-Off and Join Existing Water Line with Tapping Sleeve & Gate Valve per IRWD Std. W-22 (in Special Construction Zone)	1	Ea.	\$1,875.00	\$1,875.00	\$6,465.00	\$6,465.00	\$4,940.00	\$4,940.00	\$5,000.00	\$5,000.00	\$8,825.00	\$8,825.00	\$3,000.00	\$3,000.00
198.	Install 6" 11.25 Degree DI Bend (PO x PO) (CL 200) & Thrust Block per IRWD Std. W-16	6	Ea.	\$1,000.00	\$6,000.00	\$540.00	\$3,240.00	\$210.00	\$1,260.00	\$210.00	\$1,260.00	\$145.00	\$870.00	\$1,200.00	\$7,200.00
199.	Install 16"x16"x6"x6" DI Cross (FE x FE) & Thrust Block per IRWD Std. W-16	1	Ea.	\$3,000.00	\$3,000.00	\$2,695.00	\$2,695.00	\$1,540.00	\$1,540.00	\$1,600.00	\$1,600.00	\$1,565.00	\$1,565.00	\$2,100.00	\$2,100.00
200.	Install 6"x6"x6"x6" DI Cross (FE x FE) Thrust Block per IRWD Std. W-16	1	Ea.	\$1,500.00	\$1,500.00	\$1,700.00	\$1,700.00	\$410.00	\$410.00	\$420.00	\$420.00	\$665.00	\$665.00	\$1,700.00	\$1,700.00
201.	Install End of the Line Blow-Off Assembly per IRWD Std. W-12	4	Ea.	\$1,100.00	\$4,400.00	\$2,700.00	\$10,800.00	\$825.00	\$3,300.00	\$840.00	\$3,360.00	\$1,765.00	\$7,060.00	\$700.00	\$2,800.00
202.	Install 12"x12"x6" Cut-In Tee (FE x FE) & Thrust Block per IRWD Std. W-19	1	Ea.	\$2,000.00	\$2,000.00	\$5,400.00	\$5,400.00	\$7,580.00	\$7,580.00	\$7,700.00	\$7,700.00	\$4,835.00	\$4,835.00	\$1,100.00	\$1,100.00
203.	Install 12" RW Butterfly Valve (FE x FE) & Valve Box per IRWD Std. W-22	2	Ea.	\$2,800.00	\$5,600.00	\$4,500.00	\$9,000.00	\$3,190.00	\$6,380.00	\$3,200.00	\$6,400.00	\$3,025.00	\$6,050.00	\$2,000.00	\$4,000.00
204.	Install 16" RW Butterfly Valve (FE x FE) & Valve Box per IRWD Std. W-22	8	Ea.	\$3,000.00	\$24,000.00	\$5,400.00	\$43,200.00	\$4,610.00	\$36,880.00	\$4,700.00	\$37,600.00	\$4,835.00	\$38,680.00	\$2,200.00	\$17,600.00
205.	Install Cut-In Tee for AC Pipe per IRWD Std. W-19	1	Ea.	\$2,000.00	\$2,000.00	\$5,400.00	\$5,400.00	\$8,900.00	\$8,900.00	\$9,100.00	\$9,100.00	\$6,420.00	\$6,420.00	\$1,000.00	\$1,000.00
206.	Install 6" (FE x PO) Di Adapter	21	Ea.	\$400.00	\$8,400.00	\$215.00	\$4,515.00	\$135.00	\$2,835.00	\$140.00	\$2,940.00	\$195.00	\$4,095.00	\$600.00	\$12,600.00

C-6

**TUSTIN RANCH ROAD, VALENCIA AVENUE & PARK AVENUE EXTENSION AND;
LEGACY ROAD PHASE 2 ROADWAY IMPROVEMENTS CONSTRUCTION PROJECT
CIP NOS. 70100, 70206, 70204, 70214 & 70215**

BID OPENING : FEBRUARY 28, 2012 10:00 A.M.

ENGINEER'S ESTIMATE						R.J. NOBLE COMPANY 15505 E. Lincoln AV ORANGE, CA 92856 714.837.1550	GRIFFITH COMPANY 12200 Bloomfield AV Santa Fe Springs, CA 90670 562.929.1128	C,C, MYERS, INC. 3286 Fitzgerald RD Rancho Cordova, CA 95742 916.835.9370	FLATIRON WEST, INC. 1770 La Costa Meadows Dr. San Marcos, CA 92078 760.916.9100	SHAWNAN 12240 Woodruff AV Downey, Ca 90241 562.803.9977					
ITEM NO.	CONTRACT ITEM DESCRIPTION	APPROX. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
207.	Remove & Replace Existing AC Pavement per IRWD Specifications	615	S.F.	\$15.00	\$9,225.00	\$7.00	\$4,305.00	\$7.10	\$4,366.50	\$7.50	\$4,612.50	\$9.10	\$5,596.50	\$6.00	\$3,690.00
208.	Install 6" CML&C Fully Welded Steel Pipe 22.5 Degree Below. Minimum Working Pressure 200 PSI Minimum Nominal Wall Thickness 0.250" per	530	L.F.	\$100.00	\$53,000.00	\$110.00	\$58,300.00	\$82.00	\$43,460.00	\$84.00	\$44,520.00	\$170.00	\$90,100.00	\$30.00	\$15,900.00
209.	Install 6" CML&C Fully Welded Steel Pipe 45 Degree Elbow. Minimum Working Pressure 200 PSI. Minimum Nominal Wall Thickness 0.25" per IRWD Std. W-17	2	Ea.	\$300.00	\$600.00	\$535.00	\$1,070.00	\$120.00	\$240.00	\$120.00	\$240.00	\$225.00	\$450.00	\$700.00	\$1,400.00
210.	Install Weld on Flange for CML&C Pipe	2	Ea.	\$300.00	\$600.00	\$270.00	\$540.00	\$120.00	\$240.00	\$120.00	\$240.00	\$390.00	\$780.00	\$700.00	\$1,400.00
211.	Install 16" C-905/CL235 Purple PVC, Trench & Bedding per IRWD Std. W-17	579	L.F.	\$80.00	\$46,320.00	\$118.00	\$68,322.00	\$93.00	\$53,847.00	\$95.00	\$55,005.00	\$85.00	\$49,215.00	\$90.00	\$52,110.00
212.	Install 6" x 4" DI Tee (FE xFE) & Thrust Block per IRWD Std. W-16	1	Ea.	\$300.00	\$300.00	\$540.00	\$540.00	\$275.00	\$275.00	\$280.00	\$280.00	\$255.00	\$255.00	\$1,000.00	\$1,000.00
213.	Install 6" x 4" DI Tee (FE xFE) & Thrust Block per IRWD Std. W-16 (in Special Construction Zone)	1	Ea.	\$350.00	\$350.00	\$540.00	\$540.00	\$285.00	\$285.00	\$290.00	\$290.00	\$325.00	\$325.00	\$1,200.00	\$1,200.00
214.	Install 6" x 6" DI Tee (FE x FE) & Thrust Block per IRWD Study W-16	1	Ea.	\$300.00	\$300.00	\$540.00	\$540.00	\$285.00	\$285.00	\$290.00	\$290.00	\$280.00	\$280.00	\$1,000.00	\$1,000.00
215.	Install 6" x 6" DI Cross (FE x FE) & Thrust Block per IRWD Std. W-16	1	Ea.	\$300.00	\$300.00	\$540.00	\$540.00	\$410.00	\$410.00	\$420.00	\$420.00	\$430.00	\$430.00	\$1,000.00	\$1,000.00
216.	Install 6" x 4" DI Reducer/Adapter	3	Ea.	\$300.00	\$900.00	\$540.00	\$1,620.00	\$130.00	\$390.00	\$130.00	\$390.00	\$135.00	\$405.00	\$700.00	\$2,100.00
217.	Install 6" 45 Degree Bend (FE x FE) & Thrust Block per IRWD Std. W-16	2	Ea.	\$200.00	\$400.00	\$540.00	\$1,080.00	\$210.00	\$420.00	\$210.00	\$420.00	\$220.00	\$440.00	\$700.00	\$1,400.00
3.	Install Temporary (RW) Flush Out Assembly per IRWD Std. W-12	1	Ea.	\$1,100.00	\$1,100.00	\$865.00	\$865.00	\$715.00	\$715.00	\$730.00	\$730.00	\$2,300.00	\$2,300.00	\$900.00	\$900.00
3.	Remove Existing Temporary (RW) Flush Out & Join Existing)	1	Ea.	\$1,500.00	\$1,500.00	\$5,400.00	\$5,400.00	\$2,420.00	\$2,420.00	\$2,500.00	\$2,500.00	\$5,340.00	\$5,340.00	\$1,000.00	\$1,000.00
).	Install 16" DI Restrained Coupling	1	Ea.	\$800.00	\$800.00	\$5,400.00	\$5,400.00	\$245.00	\$245.00	\$250.00	\$250.00	\$3,590.00	\$3,590.00	\$700.00	\$700.00
1.	Install 6" DI Restrained Coupling	2	Ea.	\$300.00	\$600.00	\$865.00	\$1,730.00	\$135.00	\$270.00	\$140.00	\$280.00	\$1,560.00	\$3,120.00	\$600.00	\$1,200.00
1.	Install 6" D.I.P. RW with Restrained Joints per IRWD Std. W-17	72	L.F.	\$40.00	\$2,880.00	\$110.00	\$7,920.00	\$88.00	\$6,336.00	\$90.00	\$6,480.00	\$125.00	\$9,000.00	\$65.00	\$4,680.00
					\$551,650.00		\$864,358.25		\$737,266.50		\$756,356.50		\$763,768.50		\$426,773.00
Total IRWD Capital Improvements					\$1,435,977.00		\$2,365,757.95		\$2,314,447.50		\$2,246,729.50		\$2,235,915.50		\$1,642,183.00
Delta between Noble and other bidders								\$51,310.45		\$119,028.45		\$129,842.45		\$723,574.95	
IRWD Non-Capital Improvements															
223.	Remove Plug & Join Existing Sewer Line	1	Ea.	\$2,000.00	\$2,000.00	\$540.00	\$540.00	\$410.00	\$410.00	\$390.00	\$390.00	\$7,000.00	\$7,000.00	\$700.00	\$700.00
224.	Install 8" PVC, SDR-35, Sewer per IRWD Std., S-6 (Non-Capital)	1,194	L.F.	\$35.00	\$41,790.00	\$54.00	\$64,476.00	\$80.00	\$95,520.00	\$77.00	\$91,938.00	\$90.00	\$107,460.00	\$90.00	\$107,460.00
225.	Install 10" PVC, SDR-35, Sewer per IRWD Std. S-6 (Non-Capital)	558	L.F.	\$42.00	\$23,436.00	\$65.00	\$36,270.00	\$84.00	\$46,872.00	\$81.00	\$45,198.00	\$95.00	\$53,010.00	\$100.00	\$55,800.00
226.	Install Clean-Out per IRWD Std. S-5 (Non-Capital)	8	Ea.	\$1,000.00	\$8,000.00	\$2,155.00	\$17,240.00	\$670.00	\$5,360.00	\$640.00	\$5,120.00	\$1,320.00	\$10,560.00	\$500.00	\$4,000.00
227.	Install Steel Casing for Sewer Pipe per IRWD Std. S-7 (Non-Capital), 18" Diameter, 5/16" Minimum Thickness	30	L.F.	\$50.00	\$1,500.00	\$270.00	\$8,100.00	\$135.00	\$4,050.00	\$130.00	\$3,900.00	\$1,065.00	\$31,950.00	\$300.00	\$9,000.00
228.	Construct 48" Sewer Manhole per IRWD Std. S-1	3	Ea.	\$3,100.00	\$9,300.00	\$4,550.00	\$13,650.00	\$4,080.00	\$12,240.00	\$3,900.00	\$11,700.00	\$7,725.00	\$23,175.00	\$4,000.00	\$12,000.00
229.	Construct 60" Sewer Manhole per IRWD Std. S-1	1	Ea.	\$3,900.00	\$3,900.00	\$4,850.00	\$4,850.00	\$6,170.00	\$6,170.00	\$5,900.00	\$5,900.00	\$8,465.00	\$8,465.00	\$11,000.00	\$11,000.00
230.	Re-Channel Manhole Base & Repair Manhole Wall per IRWD Std. S-1 & Detail on Plan	2	Ea.	\$5,000.00	\$10,000.00	\$1,620.00	\$3,240.00	\$1,110.00	\$2,220.00	\$1,100.00	\$2,200.00	\$3,600.00	\$7,200.00	\$2,000.00	\$4,000.00
231.	Remove Existing 6" Force main Sewer Line (Non-Capital)	36	L.F.	\$25.00	\$900.00	\$54.00	\$1,944.00	\$35.00	\$1,260.00	\$34.00	\$1,224.00	\$31.00	\$1,116.00	\$200.00	\$7,200.00

C-7

**JUSTIN RANCH ROAD, VALENCIA AVENUE & PARK AVENUE EXTENSION AND;
LEGACY ROAD PHASE 2 ROADWAY IMPROVEMENTS CONSTRUCTION PROJECT
CIP NOS. 70100, 70206, 70204, 70214 & 70215**

BID OPENING : FEBRUARY 28, 2012 10:00 A.M.

ENGINEER'S ESTIMATE						R.J. NOBLE COMPANY 15505 E. Lincoln AV ORANGE, CA 92856 714.637.1550	GRIFFITH COMPANY 12200 Bloomfield AV Santa Fe Springs, CA 90670 562.929.1128	C,C. MYERS, INC. 3286 Fitzgerald RD Rancho Cordova, CA 95742 916.635.9370	FLATIRON WEST, INC. 1770 La Costa Meadows Dr. San Marcos, CA 92078 760.916.9100	SHAWNAN 12240 Woodruff AV Downey, Ca 90241 562.803.9977					
ITEM NO.	CONTRACT ITEM DESCRIPTION	APPROX. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
232.	Remove Existing 10" VCP Stub Between Existing Manhole No. 36 & Sewer Lift Station (Non-Capital)	53	L.F.	\$30.00	\$1,590.00	\$54.00	\$2,862.00	\$41.00	\$2,173.00	\$39.00	\$2,067.00	\$41.00	\$2,173.00	\$100.00	\$5,300.00
233.	Cap/Plug End of Existing 6" Force main Line (Non-Capital)	2	Ea.	\$1,200.00	\$2,400.00	\$540.00	\$1,080.00	\$220.00	\$440.00	\$210.00	\$420.00	\$715.00	\$1,430.00	\$500.00	\$1,000.00
234.	Abandon in Place Existing 6" Main Sewer and Slurry Fill (Non-Capital)	991	L.F.	\$20.00	\$19,820.00	\$7.55	\$7,482.05	\$8.10	\$8,027.10	\$8.00	\$7,928.00	\$4.55	\$4,509.05	\$10.00	\$9,910.00
235.	Remove & Salvage Existing IRWD Sanitary Sewer Lift Station (Non-Capital)	1	L.S.	\$25,000.00	\$25,000.00	\$6,685.00	\$6,685.00	\$1,750.00	\$1,750.00	\$1,700.00	\$1,700.00	\$22,850.00	\$22,850.00	\$2,000.00	\$2,000.00
236.	Install Two Wire CP Test Station per IRWD Std. CP-1 & CP-7	2	Ea.	\$1,500.00	\$3,000.00	\$1,620.00	\$3,240.00	\$670.00	\$1,340.00	\$640.00	\$1,280.00	\$2,900.00	\$5,800.00	\$700.00	\$1,400.00
Domestic Water															
237.	Install 8" AWWA C-900 PVC, CL200, Domestic Water per IRWD Std. W-17 (Non-Capital)	430	L.F.	\$44.00	\$18,920.00	\$75.50	\$32,465.00	\$65.00	\$27,950.00	\$66.00	\$28,380.00	\$47.00	\$20,210.00	\$120.00	\$51,600.00
238.	Install 10" AWWA C-900 PVC, CL200, Domestic Water per IRWD Std. W-17 (Non-Capital)	1,195	L.F.	\$45.00	\$53,775.00	\$75.50	\$90,222.50	\$79.00	\$94,405.00	\$81.00	\$96,795.00	\$52.00	\$62,140.00	\$130.00	\$155,350.00
239.	Install 10" DW Gate Valve (FE x FE) & Valve Box per IRWD Std. W-22 (Non-Capital)	7	Ea.	\$1,700.00	\$11,900.00	\$2,700.00	\$18,900.00	\$2,380.00	\$16,660.00	\$2,400.00	\$16,800.00	\$3,000.00	\$21,000.00	\$1,000.00	\$7,000.00
240.	Install Fire Hydrant per IRWD Std W-8 (Non-Capital)	12	Ea.	\$4,200.00	\$50,400.00	\$6,500.00	\$78,000.00	\$6,810.00	\$81,720.00	\$6,900.00	\$82,800.00	\$6,500.00	\$78,000.00	\$4,000.00	\$48,000.00
241	Install 8" (FE x PO) DI Adapter	4	Ea.	\$300.00	\$1,200.00	\$540.00	\$2,160.00	\$155.00	\$620.00	\$160.00	\$640.00	\$210.00	\$840.00	\$700.00	\$2,800.00
12.	Install 10" (FE x PO) DI Adapter	7	Ea.	\$400.00	\$2,800.00	\$540.00	\$3,780.00	\$190.00	\$1,330.00	\$200.00	\$1,400.00	\$255.00	\$1,785.00	\$900.00	\$6,300.00
43.	Install 8" 45 Degree DI Bend (PO x PO) (CL200) & Thrust Block per IRWD Std. W-16 (Non-Capital)	2	Ea.	\$750.00	\$1,500.00	\$540.00	\$1,080.00	\$275.00	\$550.00	\$280.00	\$560.00	\$250.00	\$500.00	\$1,000.00	\$2,000.00
44.	Install 10" 11.25 Degree DI Bend (PO x PO) (CL200) & Thrust Block per IRWD Std. W-16 (Non-Capital)	4	Ea.	\$800.00	\$3,200.00	\$540.00	\$2,160.00	\$355.00	\$1,420.00	\$360.00	\$1,440.00	\$285.00	\$1,140.00	\$900.00	\$3,600.00
45.	Install 10" 22.5 Degree DI Bend (PO x PO) (CL 200) & Thrust Block per IRWD Std. W-16 (Non-Capital)	2	Ea.	\$800.00	\$1,600.00	\$540.00	\$1,080.00	\$365.00	\$730.00	\$370.00	\$740.00	\$285.00	\$570.00	\$900.00	\$1,800.00
46.	Install 10" 90 Degree PVC Bend (PO x PO) (CL 200) & Thrust Block per IRWD Std. W-16 (Non-Capital)	1	Ea.	\$800.00	\$800.00	\$755.00	\$755.00	\$410.00	\$410.00	\$420.00	\$420.00	\$390.00	\$390.00	\$1,000.00	\$1,000.00
47.	Install 10"x8" DI Cross (FE x FE) & Thrust Block per IRWD Std. W-16	1	Ea.	\$850.00	\$850.00	\$1,100.00	\$1,100.00	\$935.00	\$935.00	\$950.00	\$950.00	\$700.00	\$700.00	\$1,200.00	\$1,200.00
48.	Install 10" 22.5 Degree PVC Bend (PO x PO) (CL 200) & Thrust Block per IRWD Std. W-16 (Non-Capital)	2	Ea.	\$700.00	\$1,400.00	\$540.00	\$1,080.00	\$355.00	\$710.00	\$360.00	\$720.00	\$285.00	\$570.00	\$1,000.00	\$2,000.00
249.	Relocate Existing 2" Air Release & Vacuum Assembly per IRWD std. W-11 (Non-Capital)	1	Ea.	\$2,700.00	\$2,700.00	\$5,400.00	\$5,400.00	\$1,980.00	\$1,980.00	\$2,000.00	\$2,000.00	\$6,400.00	\$6,400.00	\$900.00	\$900.00
250.	Install Temporary Flush-Out Assembly per IRWD Std. W-12 (Non-Capital)	5	Ea.	\$1,100.00	\$5,500.00	\$1,620.00	\$8,100.00	\$825.00	\$4,125.00	\$840.00	\$4,200.00	\$1,910.00	\$9,550.00	\$700.00	\$3,500.00
251.	Install 10" x 8" Reducer per IRWD Std. W-16	1	Ea.	\$200.00	\$200.00	\$540.00	\$540.00	\$385.00	\$385.00	\$390.00	\$390.00	\$730.00	\$730.00	\$700.00	\$700.00
252	Install 12" x 10" (FE x PO) DI Reducer per IRWD Std. W-16	1	Ea.	\$350.00	\$350.00	\$540.00	\$540.00	\$410.00	\$410.00	\$420.00	\$420.00	\$1,110.00	\$1,110.00	\$700.00	\$700.00
253.	Remove Existing Temporary Blow-Off & Join Existing Water Line with Tapping Sleeve & Gate Valve per IRWD Std. W-22	2	Ea.	\$2,500.00	\$5,000.00	\$8,100.00	\$16,200.00	\$7,140.00	\$14,280.00	\$7,300.00	\$14,600.00	\$9,065.00	\$18,130.00	\$1,700.00	\$3,400.00
254.	Install Temporary Flush-Out Assembly per IRWD Std. W-12 (Non-Capital)	2	Ea.	\$1,100.00	\$2,200.00	\$1,620.00	\$3,240.00	\$825.00	\$1,650.00	\$840.00	\$1,680.00	\$1,800.00	\$3,600.00	\$700.00	\$1,400.00
255.	Install 8" RW Gate Valve (FE x FE) & Valve Box per IRWD std. W-22	4	Ea.	\$1,500.00	\$6,000.00	\$2,700.00	\$10,800.00	\$1,760.00	\$7,040.00	\$1,800.00	\$7,200.00	\$1,725.00	\$6,900.00	\$1,700.00	\$6,800.00
Recycled Water															
256.	Remove Existing 2" RW Line (Non-Capital)	268	L.F.	\$5.00	\$1,340.00	\$11.00	\$2,948.00	\$3.30	\$884.40	\$3.40	\$911.20	\$9.00	\$2,412.00	\$7.00	\$1,876.00

BID OPENING : FEBRUARY 28, 2012 10:00 A.M.

ENGINEER'S ESTIMATE						R.J. NOBLE COMPANY 15505 E. Lincoln AV ORANGE, CA 92856 714.637.1550	GRIFFITH COMPANY 12200 Bloomfield AV Santa Fe Springs, CA 90670 562.929.1128	C.C. MYERS, INC. 3286 Fitzgerald RD Rancho Cordova, CA 95742 916.635.9370	FLATIRON WEST, INC. 1770 La Costa Meadows Dr. San Marcos, CA 92078 760.916.9100	SHAWNAN 12240 Woodruff AV Downey, Ca 90241 562.803.9977					
ITEM NO.	CONTRACT ITEM DESCRIPTION	APPROX. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
257.	Install 4" AWWA C-900 PVC Purple Pipe, CL 200, per IRWD Std. W-17	361	L.F.	\$20.00	\$7,220.00	\$44.00	\$15,884.00	\$38.00	\$13,718.00	\$39.00	\$14,079.00	\$46.00	\$16,606.00	\$20.00	\$7,220.00
258.	Install 4" AWWA C-900 PVC Purple Pipe, CL 200, per IRWD Std. W-17 (in Special Construction Zone)	25	L.F.	\$40.00	\$1,000.00	\$110.00	\$2,750.00	\$38.00	\$950.00	\$39.00	\$975.00	\$61.00	\$1,525.00	\$27.00	\$675.00
259.	Install 4" RW Gate Valve (FE x FE) & Valve Box per IRWD Std. W-22	2	Ea.	\$800.00	\$1,600.00	\$1,700.00	\$3,400.00	\$740.00	\$1,480.00	\$760.00	\$1,520.00	\$1,000.00	\$2,000.00	\$700.00	\$1,400.00
260.	Install 4" RW Gate Valve (FE x FE) & Valve Box per IRWD Std. W-22 (in Special Construction Zone)	1	Ea.	\$1,000.00	\$1,000.00	\$2,200.00	\$2,200.00	\$740.00	\$740.00	\$760.00	\$760.00	\$1,050.00	\$1,050.00	\$1,000.00	\$1,000.00
261.	Install 4" (FE x PO) DI Adapter	2	Ea.	\$300.00	\$600.00	\$540.00	\$1,080.00	\$82.00	\$164.00	\$84.00	\$168.00	\$150.00	\$300.00	\$700.00	\$1,400.00
262.	Install 4" (FE x DO) DI Adapter (in Special Construction Zone)	1	Ea.	\$375.00	\$375.00	\$540.00	\$540.00	\$82.00	\$82.00	\$84.00	\$84.00	\$260.00	\$260.00	\$900.00	\$900.00
263.	Install 1" Copper Service for Landscaping Purposes per IRWD Std. W-2/W-3 (Non-Capital)	2	Ea.	\$2,000.00	\$4,000.00	\$2,370.00	\$4,740.00	\$825.00	\$1,650.00	\$840.00	\$1,680.00	\$2,360.00	\$4,720.00	\$2,000.00	\$4,000.00
264.	Install 1.5" Copper Service for Landscaping Purposes per IRWD Std. W-2/W-3 (Non-Capital)	2	Ea.	\$2,000.00	\$4,000.00	\$3,250.00	\$6,500.00	\$2,310.00	\$4,620.00	\$2,400.00	\$4,800.00	\$11,800.00	\$23,600.00	\$2,500.00	\$5,000.00
265.	Relocate Existing 2" Copper Service for Landscaping Purposes per IRWD Std. W-2/W-3 (Non-Capital)	1	Ea.	\$1,500.00	\$1,500.00	\$4,300.00	\$4,300.00	\$825.00	\$825.00	\$840.00	\$840.00	\$5,100.00	\$5,100.00	\$2,800.00	\$2,800.00
266.	Relocate Existing Blow-Off Assembly per IRWD Std. W-14 (Non-Capital)	1	Ea.	\$1,600.00	\$1,600.00	\$1,700.00	\$1,700.00	\$2,750.00	\$2,750.00	\$2,800.00	\$2,800.00	\$7,900.00	\$7,900.00	\$700.00	\$700.00
267.	Relocate Existing 2" Air Release & Vacuum Assembly per IRWD Std. W-11 (Non-Capital)	1	Ea.	\$2,700.00	\$2,700.00	\$2,200.00	\$2,200.00	\$2,090.00	\$2,090.00	\$2,100.00	\$2,100.00	\$4,700.00	\$4,700.00	\$900.00	\$900.00
Dry Utility Improvements															
Electrical															
268.	Furnish & Install Electrical Conduit, 5" DB100	67,440	L.F.	\$3.50	\$236,040.00	\$4.65	\$313,596.00	\$4.60	\$310,224.00	\$4.50	\$303,480.00	\$5.90	\$397,896.00	\$2.00	\$134,880.00
269.	Furnish & Install Electrical Conduit, 4" DB100	1,125	L.F.	\$2.75	\$3,093.75	\$3.70	\$4,162.50	\$3.70	\$4,162.50	\$3.60	\$4,050.00	\$6.10	\$6,862.50	\$1.60	\$1,800.00
270.	Furnish & Install electrical Conduit, 3" DB60	11,610	L.F.	\$2.25	\$26,122.50	\$3.40	\$39,474.00	\$3.50	\$40,635.00	\$3.40	\$39,474.00	\$4.30	\$49,923.00	\$1.10	\$12,771.00
271.	Furnish & Install Electrical Conduit, 1 1/2" DB60	12,275	L.F.	\$1.50	\$18,412.50	\$3.15	\$38,666.25	\$3.20	\$39,280.00	\$3.10	\$38,052.50	\$2.25	\$27,618.75	\$3.00	\$36,825.00
272.	Furnish & Install Hand-Hole 13" x 24" (Parkway)	9	Ea.	\$150.00	\$1,350.00	\$288.00	\$2,592.00	\$295.00	\$2,655.00	\$280.00	\$2,520.00	\$340.00	\$3,060.00	\$300.00	\$2,700.00
273.	Furnish & Install Hand-Hole 17" x 30" (Parkway)	25	Ea.	\$225.00	\$5,625.00	\$341.00	\$8,525.00	\$345.00	\$8,625.00	\$340.00	\$8,500.00	\$625.00	\$15,625.00	\$310.00	\$7,750.00
274.	Furnish & Install Hand-Hole 17" x 30" (Parkway) (in Special Construction Zone)	2	Ea.	\$300.00	\$600.00	\$341.00	\$682.00	\$345.00	\$690.00	\$340.00	\$680.00	\$620.00	\$1,240.00	\$500.00	\$1,000.00
275.	Furnish & Install Transformer Pad 48"x54" w/ 17"x30" Inverted HH	6	Ea.	\$1,200.00	\$7,200.00	\$945.00	\$5,670.00	\$960.00	\$5,760.00	\$930.00	\$5,580.00	\$1,435.00	\$8,610.00	\$300.00	\$1,800.00
276.	Furnish & Install Cap pad 66"x72"	2	Ea.	\$1,500.00	\$3,000.00	\$1,260.00	\$2,520.00	\$1,280.00	\$2,560.00	\$1,200.00	\$2,400.00	\$1,400.00	\$2,800.00	\$400.00	\$800.00
277.	Furnish & Install PME Pad 5'x10.5'x7'	7	Ea.	\$7,500.00	\$52,500.00	\$10,700.00	\$74,900.00	\$10,890.00	\$76,230.00	\$10,600.00	\$74,200.00	\$8,700.00	\$60,900.00	\$400.00	\$2,800.00
278.	Furnish & Install MH 5'x10.5'x7'	15	Ea.	\$6,000.00	\$90,000.00	\$11,000.00	\$165,000.00	\$10,780.00	\$161,700.00	\$10,500.00	\$157,500.00	\$8,200.00	\$123,000.00	\$4,000.00	\$60,000.00
279.	Furnish & Install MH 5'x10.5'x7' (in Special Construction Zone)	1	Ea.	\$8,000.00	\$8,000.00	\$10,600.00	\$10,600.00	\$10,780.00	\$10,780.00	\$10,500.00	\$10,500.00	\$17,700.00	\$17,700.00	\$8,000.00	\$8,000.00
280.	Furnish & Install Manhole 6'x12'x7'	5	Ea.	\$6,500.00	\$32,500.00	\$11,340.00	\$56,700.00	\$11,530.00	\$57,650.00	\$11,200.00	\$56,000.00	\$8,800.00	\$44,000.00	\$10,000.00	\$50,000.00
281.	Relocate Street Light	1	L.S.	\$3,000.00	\$3,000.00	\$4,200.00	\$4,200.00	\$4,270.00	\$4,270.00	\$4,100.00	\$4,100.00	\$8,600.00	\$8,600.00	\$3,000.00	\$3,000.00
Telephone															
282.	Furnish & Install Telephone 4" Conduit; Type C	52,790	L.F.	\$2.75	\$145,172.50	\$2.96	\$156,258.40	\$2.90	\$153,091.00	\$2.90	\$153,091.00	\$4.50	\$237,555.00	\$1.10	\$58,069.00
283.	Furnish & Install Manhole 6'x12'x7'	10	Ea.	\$6,500.00	\$65,000.00	\$10,290.00	\$102,900.00	\$10,460.00	\$104,600.00	\$10,100.00	\$101,000.00	\$9,300.00	\$93,000.00	\$4,000.00	\$40,000.00
284.	Furnish & Install Manhole 6'x12'x7' (in Special Construction Zone)	1	Ea.	\$6,000.00	\$6,000.00	\$10,290.00	\$10,290.00	\$10,460.00	\$10,460.00	\$10,100.00	\$10,100.00	\$20,400.00	\$20,400.00	\$5,000.00	\$5,000.00
Trench															
285.	Trench for Mainline Joint	11,960	L.F.	\$25.00	\$299,000.00	\$6.50	\$77,740.00	\$6.40	\$76,544.00	\$6.00	\$71,760.00	\$45.00	\$538,200.00	\$20.00	\$239,200.00

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**TUSTIN RANCH ROAD, VALENCIA AVENUE & PARK AVENUE EXTENSION AND;
LEGACY ROAD PHASE 2 ROADWAY IMPROVEMENTS CONSTRUCTION PROJECT
CIP NOS. 70100, 70206, 70204, 70214 & 70215**

BID OPENING : FEBRUARY 28, 2012 10:00 A.M.

ENGINEER'S ESTIMATE						R.J. NOBLE COMPANY 15505 E. Lincoln AV ORANGE, CA 92856 714.637.1550	GRIFFITH COMPANY 12200 Bloomfield AV Santa Fe Springs, CA 90670 562.929.1128	C.C. MYERS, INC. 3286 Fitzgerald RD Rancho Cordova, CA 95742 916.835.9370	FLATIRON WEST, INC. 1770 La Costa Meadows Dr. San Marcos, CA 92078 760.916.9100	SHAWNAN 12240 Woodruff AV Downey, Ca 90241 562.803.9977					
ITEM NO.	CONTRACT ITEM DESCRIPTION	APPROX. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
286.	Trench for Mainline Joint (in Special Construction Zone)	500	L.F.	\$50.00	\$25,000.00	\$6.30	\$3,150.00	\$6.40	\$3,200.00	\$6.00	\$3,000.00	\$45.00	\$22,500.00	\$40.00	\$20,000.00
287.	Trench for Electrical Only	3,230	L.F.	\$15.00	\$48,450.00	\$5.25	\$16,957.50	\$5.30	\$17,119.00	\$5.00	\$16,150.00	\$4.00	\$12,920.00	\$7.00	\$22,610.00
288.	Trench for Electrical Only (in Special Construction Zone)	60	L.F.	\$40.00	\$2,400.00	\$5.25	\$315.00	\$5.30	\$318.00	\$5.00	\$300.00	\$5.00	\$300.00	\$30.00	\$1,800.00
289.	Trench for Street Light Only	5,355	L.F.	\$4.25	\$22,758.75	\$5.25	\$28,113.75	\$5.30	\$28,381.50	\$5.00	\$26,775.00	\$4.00	\$21,420.00	\$4.00	\$21,420.00
290.	Trench for Street Light Only (in Special Construction Zone)	420	L.F.	\$29.25	\$12,285.00	\$5.25	\$2,205.00	\$5.30	\$2,226.00	\$5.00	\$2,100.00	\$4.00	\$1,680.00	\$5.00	\$2,100.00
291.	Trench for Telephone Only	510	L.F.	\$4.25	\$2,167.50	\$6.30	\$3,213.00	\$6.40	\$3,264.00	\$6.00	\$3,060.00	\$7.25	\$3,697.50	\$4.00	\$2,040.00
292.	Trench for Telephone Only (in Special Construction Zone)	40	L.F.	\$29.25	\$1,170.00	\$6.30	\$252.00	\$6.40	\$256.00	\$6.00	\$240.00	\$10.00	\$400.00	\$20.00	\$800.00
293.	Trench for CATV (Cox) Only	490	L.F.	\$4.25	\$2,082.50	\$5.25	\$2,572.50	\$5.30	\$2,597.00	\$5.00	\$2,450.00	\$5.40	\$2,646.00	\$10.00	\$4,900.00
294.	Trench for CATV (Cox) Only (in Special Construction Zone)	10	L.F.	\$29.25	\$292.50	\$5.25	\$52.50	\$5.30	\$53.00	\$5.00	\$50.00	\$15.60	\$156.00	\$20.00	\$200.00
295.	Trench for CATV (TWC) Only	300	L.F.	\$4.25	\$1,275.00	\$5.25	\$1,575.00	\$5.30	\$1,590.00	\$5.00	\$1,500.00	\$5.40	\$1,620.00	\$7.00	\$2,100.00
296.	Trench for CATV (TWC) Only (in Special Construction Zone)	10	L.F.	\$29.25	\$292.50	\$5.25	\$52.50	\$5.30	\$53.00	\$5.00	\$50.00	\$15.60	\$156.00	\$30.00	\$300.00
297.	Trench for Spare Conduit Only	180	L.F.	\$4.25	\$765.00	\$5.25	\$945.00	\$5.30	\$954.00	\$5.00	\$900.00	\$4.10	\$738.00	\$7.00	\$1,260.00
298.	Trench for Spare Conduit Only (in Special Construction Zone)	10	L.F.	\$29.25	\$292.50	\$5.25	\$52.50	\$5.30	\$53.00	\$5.00	\$50.00	\$15.30	\$153.00	\$30.00	\$300.00
299.	Trench for Gas Only	730	L.F.	\$4.25	\$3,102.50	\$5.25	\$3,832.50	\$5.30	\$3,869.00	\$5.00	\$3,650.00	\$6.40	\$4,672.00	\$7.00	\$5,110.00
300.	Trench for Gas Only (in Special Construction Zone)	500	L.F.	\$29.25	\$14,625.00	\$5.25	\$2,625.00	\$5.30	\$2,650.00	\$5.00	\$2,500.00	\$6.40	\$3,200.00	\$27.00	\$13,500.00
	Trench for Gas Only at Edinger Avenue Pick Point (in pavement-includes saw cut/repair/traffic control)	50	L.F.	\$60.00	\$3,000.00	\$84.00	\$4,200.00	\$85.00	\$4,250.00	\$83.00	\$4,150.00	\$81.30	\$4,065.00	\$60.00	\$3,000.00
	CATV														
	Provide Excavation & Back Fill for Cox 2'x3' Pull Box	3	Ea.	\$150.00	\$450.00	\$420.00	\$1,260.00	\$425.00	\$1,275.00	\$410.00	\$1,230.00	\$215.00	\$645.00	\$100.00	\$300.00
	Provide Excavation & Back Fill for Cox 3'x5' Pull Box	16	Ea.	\$175.00	\$2,800.00	\$525.00	\$8,400.00	\$535.00	\$8,560.00	\$520.00	\$8,320.00	\$484.00	\$7,744.00	\$200.00	\$3,200.00
	Provide Excavation & Back Fill for Cox 3'x5' Pull Box (in Special Construction Zone)	1	Ea.	\$250.00	\$250.00	\$525.00	\$525.00	\$535.00	\$535.00	\$520.00	\$520.00	\$453.00	\$453.00	\$1,000.00	\$1,000.00
	Provide Excavation & Back Fill for TWC 2'x3' Pull Box	14	Ea.	\$150.00	\$2,100.00	\$420.00	\$5,880.00	\$425.00	\$5,950.00	\$410.00	\$5,740.00	\$227.00	\$3,178.00	\$100.00	\$1,400.00
	Provide Excavation & Back Fill for TWC 2'x3' Pull Box (in Special Construction Zone)	1	Ea.	\$200.00	\$200.00	\$450.00	\$450.00	\$425.00	\$425.00	\$410.00	\$410.00	\$192.00	\$192.00	\$700.00	\$700.00
307.	Provide Excavation & Back Fill for TWC 3'x5' Pull Box	9	Ea.	\$175.00	\$1,575.00	\$525.00	\$4,725.00	\$535.00	\$4,815.00	\$520.00	\$4,680.00	\$485.00	\$4,365.00	\$100.00	\$900.00
	Spare Conduit														
308.	Furnish & Install CA 4" Conduit; Sch 40	27,940	L.F.	\$2.75	\$76,835.00	\$2.15	\$60,071.00	\$2.10	\$58,674.00	\$2.10	\$58,674.00	\$5.25	\$146,685.00	\$1.20	\$33,528.00
309.	Furnish & Install CA Pull Box 2'x3'	16	Ea.	\$1,400.00	\$22,400.00	\$630.00	\$10,080.00	\$640.00	\$10,240.00	\$620.00	\$9,920.00	\$1,616.00	\$25,856.00	\$200.00	\$3,200.00
310.	Furnish & Install CA Pull Box 2'x3' (in Special Construction Zone)	1	Ea.	\$1,900.00	\$1,900.00	\$630.00	\$630.00	\$640.00	\$640.00	\$620.00	\$620.00	\$1,616.00	\$1,616.00	\$500.00	\$500.00
	Additional Items														
311.	Gas Pit 5'x10'x1.5' Deeper than Gas Main at Pick Up Point (Includes Traffic Control, Saw Cut & Repair Pavement Per City Standards)	1	L.S.	\$3,000.00	\$3,000.00	\$6,300.00	\$6,300.00	\$6,410.00	\$6,410.00	\$6,200.00	\$6,200.00	\$1,835.00	\$1,835.00	\$5,000.00	\$5,000.00
312.	Gas Pit 5'x10'x1.5' Deeper than Gas Main at Pick Up Point (in Special Construction Zone)	1	L.S.	\$1,500.00	\$1,500.00	\$6,300.00	\$6,300.00	\$6,410.00	\$6,410.00	\$6,200.00	\$6,200.00	\$1,835.00	\$1,835.00	\$2,000.00	\$2,000.00
313.	Gas 6" Sleeve	790	L.F.	\$8.00	\$6,320.00	\$9.45	\$7,465.50	\$9.60	\$7,584.00	\$9.50	\$7,505.00	\$11.00	\$8,690.00	\$10.00	\$7,900.00
314.	Bridge Crossing SCE 6-5" (Complete with Spacers/Hangers/ETC - conduit already Accounted for in the Conduit Section Above)	1	L.S.	\$50,000.00	\$50,000.00	\$68,000.00	\$68,000.00	\$67,270.00	\$67,270.00	\$68,200.00	\$68,200.00	\$31,700.00	\$31,700.00	\$15,000.00	\$15,000.00

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**TUSTIN RANCH ROAD, VALENCIA AVENUE & PARK AVENUE EXTENSION AND;
LEGACY ROAD PHASE 2 ROADWAY IMPROVEMENTS CONSTRUCTION PROJECT
CIP NOS. 70100, 70206, 70204, 70214 & 70215**

BID OPENING : FEBRUARY 28, 2012 10:00 A.M.

ENGINEER'S ESTIMATE						R.J. NOBLE COMPANY 15505 E. Lincoln AV ORANGE, CA 92856 714.637.1550	GRIFFITH COMPANY 12200 Bloomfield AV Santa Fe Springs, CA 90670 562.929.1128	C,C, MYERS, INC. 3286 Fitzgerald RD Rancho Cordova, CA 95742 916.635.9370	FLATIRON WEST, INC. 1770 La Costa Meadows Dr. San Marcos, CA 92078 760.916.9100	SHAWNAN 12240 Woodruff AV Downey, Ca 90241 562.803.9977					
ITEM NO.	CONTRACT ITEM DESCRIPTION	APPROX. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
315	Bridge Crossing CA 2-4" (Complete with Spacers/Hangers/ETC - Conduit Already Accounted for in the Conduit Section Above)	1	L.S.	\$15,000.00	\$15,000.00	\$3,150.00	\$3,150.00	\$3,200.00	\$3,200.00	\$3,100.00	\$3,100.00	\$15,200.00	\$15,200.00	\$10,000.00	\$10,000.00
316	24" Wide "V" Gutter	281	L.F.	\$19.00	\$5,339.00	\$15.00	\$4,215.00	\$25.00	\$7,025.00	\$24.00	\$6,744.00	\$12.50	\$3,512.50	\$10.00	\$2,810.00
317	4" Thick Gunita Maintenance Trail	859	S.F.	\$10.00	\$8,590.00	\$4.00	\$3,436.00	\$33.00	\$28,347.00	\$11.00	\$9,449.00	\$12.00	\$10,308.00	\$3.00	\$2,577.00
318	Decomposed Granite Maintenance Trail	3,409	S.F.	\$60.00	\$204,540.00	\$1.50	\$5,113.50	\$3.10	\$10,567.90	\$5.00	\$17,045.00	\$3.75	\$12,783.75	\$1.50	\$5,113.50
319	Management, Transportation & Disposal of Materials other than Groundwater	1,000	TON	\$0.00	\$0.00	\$31.00	\$31,000.00	\$170.00	\$170,000.00	\$44.00	\$44,000.00	\$165.00	\$165,000.00	\$40.00	\$40,000.00
320	Black Vinyl Coating Chain Link Gate	4	Ea.	\$0.00	\$0.00	\$2,375.00	\$9,500.00	\$1,550.00	\$6,200.00	\$2,000.00	\$8,000.00	\$2,300.00	\$9,200.00	\$2,000.00	\$8,000.00
321	Traffic Signal Modification - Valencia Avenue & Kensington Park Drive	1	L.S.	\$0.00	\$0.00	\$32,000.00	\$32,000.00	\$32,000.00	\$32,000.00	\$40,000.00	\$40,000.00	\$63,000.00	\$63,000.00	\$20,000.00	\$20,000.00
322	Unsuitable Material Excavation & Recompaction	8,000	C.Y.	\$0.00	\$0.00	\$9.65	\$77,200.00	\$3.40	\$27,200.00	\$9.00	\$72,000.00	\$13.60	\$108,800.00	\$6.00	\$48,000.00
323	Stabiliation of Removal Bottom	5,000	S.F.	\$0.00	\$0.00	\$5.55	\$27,750.00	\$1.10	\$5,500.00	\$2.50	\$12,500.00	\$2.75	\$13,750.00	\$1.00	\$5,000.00
TOTAL BID					\$28,824,609.86		\$27,980,820.63		\$27,334,705.45		\$28,320,436.75		\$28,593,233.45		\$28,552,328.75
Percent ± Engineer's Est.							-5.01%		-1.75%		-1.75%		-0.80%		-0.94%

C-11

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: LEGACY PARK TUSTIN RANCH ROAD
EPMS Project No: 11379 **EA No:** 2
Oracle Project No: 1047
Project Manager: CORTEZ, MALCOLM
Project Engineer: LEW, KELLY
Request Date: April 2, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
113	100.0	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$686,700
This Request:	\$259,400
Total EA Requests:	\$946,100
Previously Approved Budget:	\$686,700
Budget Adjustment Requested this EA:	\$259,400
Updated Budget:	\$946,100
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	0	14,800	14,800	0	14,800	14,800	7/10	6/11
ENGINEERING DESIGN - OUTSIDE	0	51,000	51,000	0	51,000	51,000	7/10	6/11
DESIGN STAFF FIELD SUPPORT	0	5,000	5,000	0	5,000	5,000	7/10	6/11
ENGINEERING - CA&I IRWD	10,000	15,000	25,000	10,000	15,000	25,000	3/12	6/14
ENGINEERING - CA&I OUTSIDE	24,000	51,000	75,000	24,000	51,000	75,000	3/12	6/14
CONSTRUCTION FIELD SUPPORT	0	5,000	5,000	0	5,000	5,000	3/12	6/14
CONSTRUCTION	210,000	510,000	720,000	210,000	510,000	720,000	3/12	6/14
LEGAL	3,000	2,000	5,000	3,000	2,000	5,000	7/10	6/14
Contingency - 5.00% Subtotal	\$12,400	\$32,900	\$45,300	\$12,400	\$32,900	\$45,300		
Subtotal (Direct Costs)	\$259,400	\$686,700	\$946,100	\$259,400	\$686,700	\$946,100		
Estimated G/A - 180.00% of direct labor*	\$19,800	\$69,800	\$89,600	\$18,000	\$71,600	\$89,600		
Total	\$279,200	\$756,500	\$1,035,700	\$277,400	\$758,300	\$1,035,700		
Direct Labor	\$10,000	\$39,800	\$49,800	\$10,000	\$39,800	\$49,800		

*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: Kelley Lew 4/3/12

Department Director: Ronnie L. Burton 4/10/12

Finance: _____

Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$1,057,000 additional documents, if any, which are hereby incorporated by reference into this project is made under Treasury Regulation Section 1.150-2.

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

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: LEGACY PARK TUSTIN RANCH ROAD
 EPMS Project No: 21379 EA No: 2
 Oracle Project No: 1066
 Project Manager: CORTEZ, MALCOLM
 Project Engineer: LEW, KELLY
 Request Date: April 2, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
213	100.0	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$703,300
This Request:	\$337,700
Total EA Requests:	\$1,041,000
Previously Approved Budget:	\$703,300
Budget Adjustment Requested this EA:	\$337,700
Updated Budget:	\$1,041,000
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	0	13,700	13,700	0	13,700	13,700	7/10	6/11
ENGINEERING DESIGN - OUTSIDE	0	52,500	52,500	0	52,500	52,500	7/10	6/11
DESIGN STAFF FIELD SUPPORT	0	5,000	5,000	0	5,000	5,000	7/10	6/11
ENGINEERING - CA&I IRWD	11,000	14,000	25,000	11,000	14,000	25,000	3/12	6/14
ENGINEERING - CA&I OUTSIDE	32,500	52,500	85,000	32,500	52,500	85,000	3/12	6/14
CONSTRUCTION FIELD SUPPORT	0	5,000	5,000	0	5,000	5,000	3/12	6/14
CONSTRUCTION	275,000	525,000	800,000	275,000	525,000	800,000	3/12	6/14
LEGAL	3,000	2,000	5,000	3,000	2,000	5,000	7/10	6/14
Contingency - 5.00% Subtotal	\$16,200	\$33,600	\$49,800	\$16,200	\$33,600	\$49,800		
Subtotal (Direct Costs)	\$337,700	\$703,300	\$1,041,000	\$337,700	\$703,300	\$1,041,000		
Estimated G/A - 180.00% of direct labor*	\$21,600	\$66,100	\$87,700	\$19,800	\$67,900	\$87,700		
Total	\$359,300	\$769,400	\$1,128,700	\$357,500	\$771,200	\$1,128,700		
Direct Labor	\$11,000	\$37,700	\$48,700	\$11,000	\$37,700	\$48,700		

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

EA Originator:

Kelly Lew *(ML)* 4/3/12

Department Director:

Kevin L. Burton 4/10/12

Finance:

Board/General Manager:

** IRWD hereby declares that it reasonably expects those exp incurred by IRWD in a maximum principal amount of \$1,152 additional documents, if any, which are hereby incorporated project is made under Treasury Regulation Section 1.150-2.

D-2

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

IRVINE RANCH WATER DISTRICT

Expenditure Authorization

Project Name: LEGACY PARK TUSTIN RANCH ROAD
 EPMS Project No: 31379 EA No: 2
 Oracle Project No: 3435
 Project Manager: CORTEZ, MALCOLM
 Project Engineer: LEW, KELLY
 Request Date: April 2, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

ID No.	Allocation %	Source of Funds
213	100.0	BONDS YET TO BE SOLD**
Total	100.0%	

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$884,600
This Request:	\$271,200
Total EA Requests:	\$1,155,800
Previously Approved Budget:	\$884,600
Budget Adjustment Requested this EA:	\$271,200
Updated Budget:	\$1,155,800
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	0	15,000	15,000	0	15,000	15,000	7/10	8/11
ENGINEERING DESIGN - OUTSIDE	0	65,600	65,600	0	65,600	65,600	7/10	8/11
DESIGN STAFF FIELD SUPPORT	0	10,000	10,000	0	10,000	10,000	7/10	8/11
ENGINEERING - CA&I IRWD	14,900	15,100	30,000	14,900	15,100	30,000	3/12	6/14
ENGINEERING - CA&I OUTSIDE	29,400	65,600	95,000	29,400	65,600	95,000	3/12	6/14
CONSTRUCTION FIELD SUPPORT	0	10,000	10,000	0	10,000	10,000	3/12	6/14
CONSTRUCTION	214,000	656,000	870,000	214,000	656,000	870,000	3/12	6/14
LEGAL	0	5,000	5,000	0	5,000	5,000	7/10	6/14
Contingency - 5.00% Subtotal	\$12,900	\$42,300	\$55,200	\$12,900	\$42,300	\$55,200		
Subtotal (Direct Costs)	\$271,200	\$884,600	\$1,155,800	\$271,200	\$884,600	\$1,155,800		
Estimated G/A - 180.00% of direct labor*	\$29,300	\$87,700	\$117,000	\$19,300	\$97,700	\$117,000		
Total	\$300,500	\$972,300	\$1,272,800	\$290,500	\$982,300	\$1,272,800		
Direct Labor	\$14,900	\$50,100	\$65,000	\$14,900	\$50,100	\$65,000		

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

EA Originator: Kelley Lew 4/3/12

Department Director: Kevin L. Burton 4/10/12

Finance: _____


Board/General Manager: _____


** IRWD hereby declares that it reasonably expects those ex-
 incurred by IRWD in a maximum principal amount of \$1,291,000
 additional documents, if any, which are hereby incorporated
 resolution is made under Treasury Regulation Section 1.150-2.

to be reimbursed with proceeds of future debt to be
 is further described in the attached staff report and
 ficial intent to reimburse costs of the above-captioned

April 23, 2012

Prepared by: T. Bonkowski/M. Cortez

Submitted by: K. Burton 

Approved by: Paul Cook 

ACTION CALENDAR

NEWPORT BOULEVARD DOMESTIC WATER MAIN RELOCATION CONTRACT CHANGE ORDER

SUMMARY:

The Newport Boulevard Domestic Water Main Relocation Project is currently being constructed by Sully Miller Contracting Company. Staff recommends that the Board:

- Authorize a budget increase for Project 10822 (1866) by \$420,000, from \$4,859,500 to \$5,279,500;
- Approve an Expenditure Authorization in the amount of \$420,000; and
- Approve Contract Change Order No. 1 in the amount of \$376,501 with Sully Miller Contracting Company.

BACKGROUND:

This project will construct a replacement 12-inch water main in Newport Boulevard and 8-inch pipelines in the five sequential cross streets from Mesa Drive to Wilson Street. A Location Map is attached as Exhibit "A". All existing water services will be relocated to the replacement water mains, and the existing mains will be abandoned. In January 2012, a construction contract in the amount of \$3,657,815.54 was awarded to Sully Miller Contracting Company (Sully Miller).

Contract Change Order No. 1:

The project plans stated the existing asphalt on Newport Boulevard was an average of 7-inches thick. Sully Miller's potholing determined the existing pavement thickness ranged from 6- to 22-inches with an average thickness of 18-inches. Staff reviewed Sully Miller's findings, as well as the pothole report prepared by Dudek during the pipeline design, which was performed to verify the vertical locations of existing storm drain, gas, and electrical utilities crossing the domestic waterline's alignment in Newport Boulevard. Dudek's pothole report showed similar findings to Sully Miller's in that the pavement ranged from 6 to 24-inches. Staff determined that Dudek erroneously used an average of the asphalt thickness from the geotechnical report rather than their pothole report.

Since Sully Miller's bid was based on removing only 7-inches of pavement, additional work is necessary to saw-cut, break, excavate and remove, haul-off and dispose the thicker pavement depth. Sully-Miller will need to use different equipment to remove the thicker pavement, e.g. larger saw to cut the pavement, a pavement breaking attachment on the backhoe to break up the pavement every 18-inches, and a larger excavator.

Sully Miller also requested an additional 32 working days to remove the thicker pavement. Because the City of Costa Mesa has required the minimal use of steel plates for vehicle safety, Sully Miller is not able to remove the thicker pavement too far in advance of its pipeline installation. The removal of the thicker pavement will limit Sully Miller's pipeline installation production rate. The project documents calls for an intermediate project milestone to complete all work within City of Costa Mesa streets by June 13, 2012, approximately one month ahead of the opening of the Orange County Fair. Due to the unforeseen slowed production, the City of Costa Mesa has authorized 16 additional calendar days for working in the City right-of-way; the new intermediate project milestone date to complete all work within the City right-of-way is June 29, 2012. Sully Miller has agreed to this new intermediate milestone date.

Sully Miller submitted a change order for the additional costs and time to install the replacement pipeline under the changed condition. Staff has reviewed Sully Miller's cost proposal, negotiated changes, and believes that the final cost is appropriate and reasonable. Contract Change Order No. 1 in the amount of \$376,501 is attached as Exhibit "B".

FISCAL IMPACTS:

Project 10822 (1866) is included in the FY 2011-12 Capital Budget. Staff requests a Budget increase and Expenditure Authorization to fund Contract Change Order No. 1 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
10822 (1866)	\$4,859,500	\$420,000	\$5,279,500	\$4,859,500	\$420,000	\$5,279,500

ENVIRONMENTAL COMPLIANCE:

The project is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations Title 14, Chapter 3, Section 15282 which provides exemption for projects that involve the installation of new pipeline or maintenance, repair, restoration, removal or demolition of an existing pipeline as set forth in Section 21080.21 of the Public Resources Code, as long as the project does not exceed one mile in length. A Notice of Exemption for this project was filed with the County of Orange on March 23, 2011.

COMMITTEE STATUS:

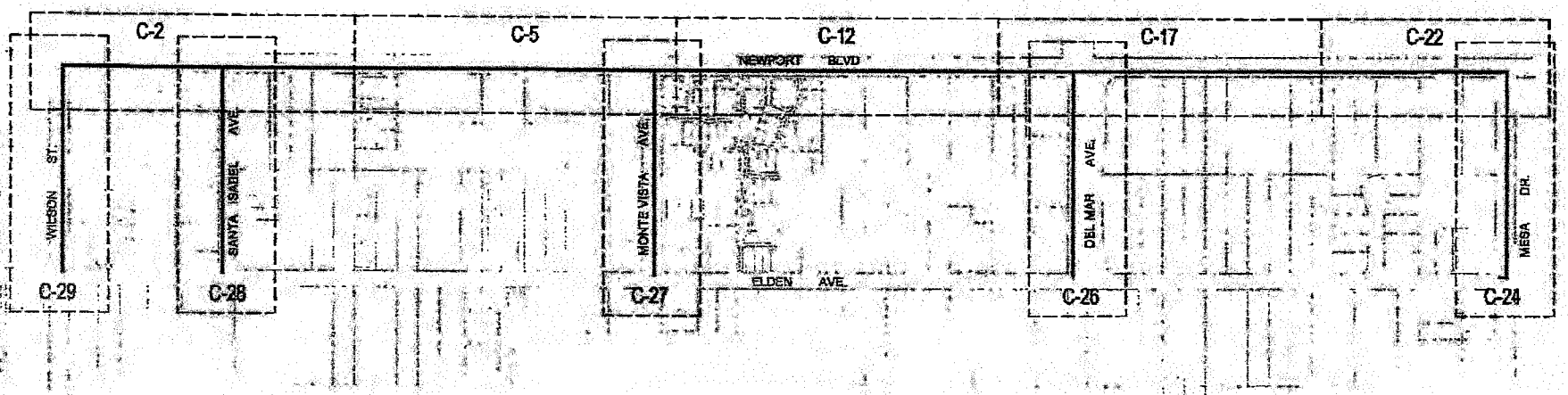
This item was reviewed at the Engineering and Operations Committee on April 17, 2012.

RECOMMENDATION:

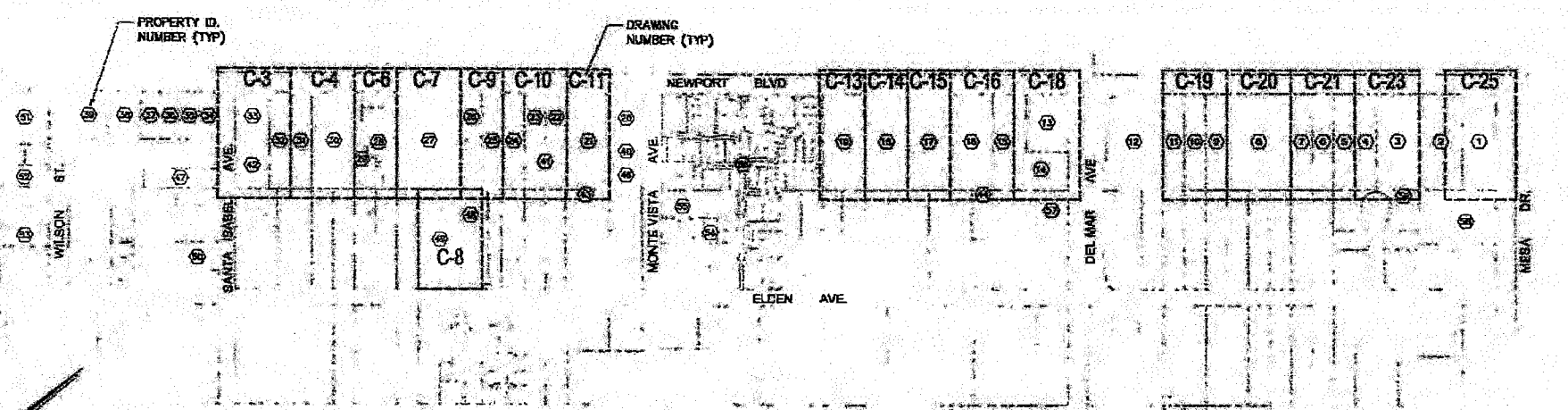
THAT THE BOARD AUTHORIZE A BUDGET INCREASE FOR PROJECT 10822 (1866) BY \$420,000, FROM \$4,859,500 TO \$5,279,500; APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$420,000; AND APPROVE CONTRACT CHANGE ORDER NO. 1 IN THE AMOUNT OF \$376,501 WITH SULLY MILLER CONTRACTING COMPANY FOR THE NEWPORT BOULEVARD DOMESTIC WATER MAIN RELOCATION, PROJECT 10822 (1866).

LIST OF EXHIBITS:

- Exhibit "A" – Project Location Map
- Exhibit "B" – Contract Change Order No. 1
- Exhibit "C" – Expenditure Authorization



PUBLIC WATERLINE KEYMAP
SCALE: 1" = 150'



GRAPHIC SCALE
SCALE: 1" = 150'

ON-SITE WATERLINE KEYMAP
SCALE: 1" = 150'

<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISIONS</th> <th>APPROVED</th> <th>ISSUE NO. (N)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	REVISIONS	APPROVED	ISSUE NO. (N)																<p>DUDEK PLANNING CONSULTANTS SAN JUAN CAPISTRANO, CALIFORNIA 949-423-2345</p>			<p><i>John [Signature]</i> DISTRICT PROJECT MANAGER 2012-2013</p> <p><i>[Signature]</i> DISTRICT PROJECT MANAGER 2013-2014</p> <p><i>[Signature]</i> DISTRICT PROJECT MANAGER 2014-2015</p>	<p>IRVINE RANCH WATER DISTRICT NEWPORT BLVD. DOMESTIC WATER MAIN RELOCATION PROJECT PROJECT NUMBER 10822</p>	<p>PUBLIC AND ON-SITE WATERLINE KEY MAPS</p>	<p>DRAWING C-1 6 of 53 SHEET</p>
NO.	DATE	REVISIONS	APPROVED	ISSUE NO. (N)																							

CONTRACT CHANGE ORDER EXHIBIT "B"

IRVINE RANCH WATER DISTRICT
5600 Sand Canyon Avenue
Irvine, California 92718
(949) 453-5300



C.O. No. 1 Page 1 of 2
 Final
Project No. 10822

Newport Boulevard Domestic Water Main Relocation Project

Date: 04/04/12

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
Additional work to saw-cut, break, excavate and remove, haul-off and dispose a thicker pavement depth, as related to pipeline trenching. The project plans called out 7-inches, but the actual depth ranges from 6- to 24-inches. Includes use different equipment to remove the thicker pavement, e.g. larger saw to cut the pavement, a pavement breaking attachment on the backhoe to break up the pavement every 18-inches, and a larger excavator. Costs associated with this Change Order are as follows:			
1. Additional work described above as related to Bid Item No. 4: Furnish and Install 12-inch diameter Class 200 C900 PVC Water Main. Additional Bid Unit Cost: \$67/LF x 4,993 LF.	\$334,531.00	-0-	See item 4 and 5
2. Additional work as described above related to Bid Item No. 24: Furnish and Install 12-inch Thickness Class 53 Ductile Iron Pipe. Additional Bid Unit Cost: \$65/LF x 478 LF	\$31,070.00	-0-	-0-
TOTAL	See Sheet 2	See Sheet 2	See Sheet 2

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

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

See sheet 2 of 2

APRIL 5, 2012
Date

SULLY-MILLER CONTRACTING COMPANY
Contractor

By: GARY DOWNEY, ASST. SECRETARY

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
<u>See sheet 2 of 2 for signatures.</u>		
IRWD Engineer or Consulting Engineer	Date	Department Director Approval Required <input type="checkbox"/>
Principal Engineer	Date	General Manager Approval Required <input type="checkbox"/>
Director of Engineering and Planning	Date	Committee Approval Required <input type="checkbox"/>
General Manager	Date	Board Approval Required <input checked="" type="checkbox"/>
		By _____ Date _____
		Purchase Order No. _____

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

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

CONTRACT CHANGE ORDER

IRVINE RANCH WATER DISTRICT
 5600 Sand Canyon Avenue
 Irvine, California 92718
 (949) 453-5300



C.O. No. 1 Page 2 of 2

Final

Project No. 10822

Newport Boulevard Domestic Water Main Relocation Project

Project Title

Date: 04/04/12

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
3. Additional traffic control costs due to the work described above as related to Bid Item No. 74: Traffic Control.	\$10,900.00	-0-	-0-
4. Contract Time Extension for the intermediate schedule milestone to complete work in the City paved streets in the project area (right-of-way). As agreed by the City of Costa Mesa, 16 additional days to complete the work in City streets. The intermediate schedule milestone to complete work in the City paved streets in the project area (right-of-way) is extended from June 13 to June 29, 2012. This time extension does not extend the total contract time.	-0-	-0-	+16
5. Contract time extension for incurred delay to work on public and private on-site improvements, 28 days. The contract completion time is extended from 240 to 268 calendar days; the contract completion date is extended from September 6 to October 8, 2012.	-0-	-0-	+28
TOTAL	\$376,501.00	-0-	+28

1. NET AMOUNT THIS CHANGE ORDER	=	\$376,501.00	+28
2. ORIGINAL CONTRACT AMOUNT	=	\$3,657,750.00	240
3. TOTAL PREVIOUS CHANGE ORDER(S)	=	\$0.00	0
4. TOTAL BEFORE THIS CHANGE ORDER (2+3)	=	\$3,657,750.00	240
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$4,034,251.00	268

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

Three hundred seventy-six thousand five hundred one and 00/100 dollars

APRIL 5, 2012
Date

Sully-Miller Contracting Co.
Contractor

Gary Downey
By: GARY DOWNEY, ASST. SECRETARY

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
	4/2/12	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 <u>Marko Cortez</u>	Date 4/2/12	
Principal Engineer <u>Karin J. Burton</u>	Date 4/10/12	
Director of Engineering and Planning	Date	
General Manager	Date	By _____ Date _____
		Purchase Order No. _____

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

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

IRVINE RANCH WATER DISTRI Exhibit "C"

Expenditure Authorization

Project Name: NEWPORT BLVD WATER MAIN REPLACEMENT
 EPMS Project No: 10822 EA No: 4
 Oracle Project No: 1866
 Project Manager: CORTEZ, MALCOLM
 Project Engineer: BONKOWSKI, THOMAS
 Request Date: April 2, 2012

ID Split: Miscellaneous

Improvement District (ID) Allocations

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

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$4,859,500
This Request:	\$420,000
Total EA Requests:	\$5,279,500
Previously Approved Budget:	\$4,859,500
Budget Adjustment Requested this EA:	\$420,000
Updated Budget:	\$5,279,500
Budget Remaining After This EA	\$0

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	0	80,000	80,000	0	80,000	80,000	4/08	12/11
ENGINEERING DESIGN - OUTSIDE	0	555,000	555,000	0	555,000	555,000	2/10	12/11
DESIGN STAFF FIELD SUPPORT	0	20,000	20,000	0	20,000	20,000	2/10	12/11
ENGINEERING - CA&I IRWD	0	100,000	100,000	0	100,000	100,000	7/11	8/12
ENGINEERING - CA&I OUTSIDE	0	150,000	150,000	0	150,000	150,000	8/11	8/12
CONSTRUCTION FIELD SUPPORT	0	20,000	20,000	0	20,000	20,000	1/12	8/12
CONSTRUCTION	400,000	3,700,000	4,100,000	400,000	3,700,000	4,100,000	1/12	8/12
LEGAL	0	3,000	3,000	0	3,000	3,000	2/10	8/12
Contingency - 5.00% Subtotal	\$20,000	\$231,500	\$251,500	\$20,000	\$231,500	\$251,500		
Subtotal (Direct Costs)	\$420,000	\$4,859,500	\$5,279,500	\$420,000	\$4,859,500	\$5,279,500		
Estimated G/A - 180.00% of direct labor*	\$0	\$396,000	\$396,000	\$0	\$396,000	\$396,000		
Total	\$420,000	\$5,255,500	\$5,675,500	\$420,000	\$5,255,500	\$5,675,500		
Direct Labor	\$0	\$220,000	\$220,000	\$0	\$220,000	\$220,000		

*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: Kevin L. Burton 4-4-12

Department Director: Kevin L. Burton 4-9-12

Finance: _____


Board/General Manager: _____

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$5,790,000. 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.

April 23, 2012

Prepared by: M. Cortez/M. Hoolihan

Submitted by: K. Burton 

Approved by: Paul Cook 

ACTION CALENDAR

SYPHON RESERVOIR INTERIM IMPROVEMENTS BUDGET ADDITION, EXPENDITURE AUTHORIZATION, AND CONSULTANT SELECTION

SUMMARY:

The Syphon Reservoir Interim Improvements Project will consist of a filtration system, chlorination system, and piping and valve modifications to discharge water from the reservoir into the IRWD Zone A recycled water system. Staff recommends that the Board:

- Authorize the addition of Project 30374 (3729) to the FY 2011-12 Capital Budget for \$1,399,800;
- Approve an Expenditure Authorization in the amount of \$239,500; and
- Authorize the General Manager to execute a Professional Services Agreement in the amount of \$170,000 with URS Corporation (URS) for the design of the project.

BACKGROUND:

In 2010, the District purchased the Syphon Reservoir from the Irvine Company. Staff has been developing plans to integrate Syphon Reservoir into the recycled water system with a reconstructed dam and conveyance facilities which will substantially expand IRWD's recycled water seasonal storage capacity. The Syphon Reservoir Feasibility Study was presented to the Engineering and Operations Committee in February 2012. Staff is anticipating that the construction of the new dam could begin in four to six years pending completion of the project CEQA/NEPA, final design, and finalization of anticipated external funding sources.

Staff has developed an interim project in which improvements would be designed and constructed so the existing Syphon Reservoir could be utilized to store and then discharge recycled water to the IRWD Zone A recycled water system. Staff anticipates that the interim project will improve the hydraulics of the recycled water system in Zone A, particularly as the Great Park and other developments east of Jeffery are completed. The interim project will consist of a filtration system, chlorination system, and piping and valve modifications to discharge water from the reservoir into the Zone A System until the permanent facilities supporting the reservoir are constructed and the reservoir is expanded. A project location map is attached as Exhibit "A".

Consultant Selection:

Staff issued a Request for Proposal to AKM, Arcadis-US, Inc., HDR, Tetra Tech, and URS for the design of the project with each firm submitting a proposal. Staff evaluated the proposals and recommends the selection of URS based on their project understanding, project team, and design fee in the amount of \$170,000. The consultant selection matrix is attached as Exhibit "B", and URS's proposal is attached as Exhibit "C".

Payback Analysis:

While staff is taking steps to complete the environmental document and mitigation process (CEQA/NEPA), securing external project funding, and completing the design of the expanded Syphon Reservoir, the District will benefit from utilizing the smaller, existing Syphon Reservoir by constructing the improvements described above. Because these improvements will be removed once construction of the reservoir expansion project begins, staff completed a payback analysis to determine if it is economically feasible to construct the interim facilities. The key assumptions used in the analysis were as follows:

- By not having to discharge flows to the Orange County Sanitation District, IRWD would recognize one year of CORF savings in 2013;
- After 2013, OCWD will have constructed the necessary pipeline between the GAP system and GWRS, making GAP the preferred option for wintertime disposal;
- IRWD would recognize an annual savings on the purchase of 450 acre-feet of Metropolitan Water District (MWD) untreated water required to supplement the recycled water system; and
- The analysis was completed using MWD's adopted rates for untreated water for 2013 (adopted April 10, 2012).

Using the above assumptions, the analysis indicates the payback for the project at approximately 3.5 years (Spring 2016) as described in Exhibit "D".

Project Schedule:

The following project schedule is anticipated:

- Complete the Preliminary Design Report in early July 2012;
- Complete the design of the interim improvements in October 2012;
- Begin construction of the interim facilities in February 2013; and
- Interim facilities operational in the summer of 2013.

Once the interim facilities are operational, recycled water stored in the Syphon Reservoir will be utilized in the Zone A system.

FISCAL IMPACTS:

The Syphon Reservoir Interim Improvements, Project 30374 (3729), is not included in the FY 2011-12 Capital Budget. Staff requests authorization of an addition to the FY 2011-12 Capital Budget and Expenditure Authorization as shown in the table below and in Exhibit "E".

Project No.	Current Budget	Addition <Reduction>	Total Budget	Existing EA	This EA Request	Total EA Request
30374 (3729)	\$-0-	\$1,399,800	\$1,399,800	\$-0-	\$239,500	\$239,500

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, the appropriate environmental document (Categorical Exemption or Mitigated Negative Declaration) will be prepared when additional project information becomes available.

COMMITTEE STATUS:

This item was reviewed at the Engineering and Operations Committee on April 17, 2012.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE ADDITION OF PROJECT 30374 (3729) TO THE FY 2011-12 CAPITAL BUDGET IN THE AMOUNT OF \$1,399,800; APPROVE AN EXPENDITURE AUTHORIZATION IN THE AMOUNT OF \$239,500; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT IN THE AMOUNT OF \$170,000 WITH URS CORPORATION FOR THE SYPHON RESERVOIR INTERIM IMPROVEMENTS, PROJECT 30374 (3729).

LIST OF EXHIBITS:

- Exhibit "A" – Location Map
- Exhibit "B" – Consultant Selection Matrix
- Exhibit "C" – URS Corporation Proposal
- Exhibit "D" – Syphon Reservoir Interim Improvements Payback Analysis
- Exhibit "E" – Expenditure Authorization



EXHIBIT "A"

SYPHON RESERVOIR

IRWD
 Syphon Reservoir Interim Improvements
 PR 30374
 Consultant Selection Matrix

	Weights	AKM	Arcadis	HDR	Tetra Tech	URS
TECHNICAL APPROACH	60%					
*Project Approach	40%	4	5	3	2	1
*Scope of Work	30%	4	5	3	2	1
*Man Hour Estimates	30%	4	5	3	2	1
Weighted Score (Technical Approach)		4.00	5.00	3.00	2.00	1.00
EXPERIENCE	40%					
*Firm/Team	20%	4	5	3	2	1
*Project Manager	40%	4	5	3	1	2
*Project Engineer	20%	5	4	1	3	2
*Electrical Engineer	20%	5	4	3	2	1
Weighted Score (Experience)		4.40	4.60	2.60	1.80	1.60
Project Manager		Yrs Gary Hobson	Yrs Brian Leto	Yrs Mike Ellersick	Yrs Steven Agor	Yrs Joe Long
Project Engineer		Jared Lee	Nick Pailma	Amy Omae	Beverly Encina	Bryan Palne
QC/QA		John Loague	Dave May	Gregorio Estrada	Steve Tedesco	Tariq Hussain
Surveying/ Mapping			Borchard	David Bush	Coast Survey	David Bush
Geotechnical			NMG Geotechnical		Leighton	Michael Luebbers
Mechanical		Kevin Saleh		Amy Omae	Steve Ellis	Bernard Pyska
Electrical		Justin Lee	Jeff Sokol	Dan Gott	Holly Shinohara	Joe Moraes
Instrumentation		Justin Lee	Eric Niu	Ray Genato	Mazen Kassar	Joe Moraes
Structural		Ronald Wong	Larry Tabat	Sahadev Chirayath	Dale Wah	Robert Trivison
Potholing			SAF-r-DIG		Kana Pipeline	SAF-r-DIG
COMBINED WEIGHTED SCORE		4.16	4.84	2.84	1.92	1.24
FEE						
PDR		\$47,150	\$38,935	\$82,813	\$90,450	\$42,355
Final Design		\$108,252	\$59,090	\$152,495	\$100,400	\$102,935
Subtotal - PDR & Design		\$155,402	\$98,025	\$235,308	\$190,850	\$145,290
Services During Construction		\$22,412	\$30,618	\$85,159	\$38,800	\$24,710
Grand Total - PDR/Design/Const. Ser.		\$177,814	\$128,643	\$320,467	\$229,650	\$170,000
Professional Liability Insurance		YES	YES	YES	YES	YES
General Liability Insurance		YES	YES	YES	YES	YES
FORCED RANKINGS:		4 - Fourth	5 - Fifth	3 - Third	2 - Second	1 - First

EXHIBIT "B"



1 SCOPE OF WORK

1.1 PROJECT UNDERSTANDING & APPROACH

"To provide high-quality water service in an efficient and cost-effective manner, in an environmentally sensitive way... increased reliability and resource conservation... to provide, conserve, and protect water resources for our customers and to enhance the environment."

~Excerpt of Mission, Vision, and Values – Irvine Ranch Water District

1.1.1 Project Overview



The Syphon Reservoir was constructed in 1949 by The Irvine Company to provide irrigation supplies in the adjacent citrus orchards located in the easterly portions of what is now the City of Irvine providing approximately 487 ac-ft. of storage capacity. In January 2010 the Irvine Ranch Water District (IRWD) purchased the Syphon Reservoir from The Irvine Company with the intent to expand the Syphon Canyon Reservoir from its existing capacity to approximately 5,500 ac-ft storage capacity. The additional storage capacity will provide IRWD with the opportunity to store additional recycled water (RW) from the Michelson Water

Recycling Plant to address seasonal needs for local irrigation purposes. The ultimate expansion of Syphon Canyon Reservoir will allow IRWD to collect and store reclaimed water from the Michelson Plant during the winter months when the demand for irrigation water is low, and have it available to summer months when the need is high. Currently, to address summer irrigation needs, IRWD is required to import waters from Metropolitan Water District at a considerable cost.

As described above, IRWD is evaluating reconfiguration alternatives to increase the storage capacity of the existing Syphon Reservoir from its existing 487 ac-ft. to approximately 5,500 ac-ft. providing a seasonal reclaimed water storage facility. Due to funding constraints, the construction of the ultimate improvements for the Syphon Reservoir may take several years to permit and complete; therefore, the District intends to develop interim facilities that will incorporate the existing reservoir into the Zone A RW distribution system.

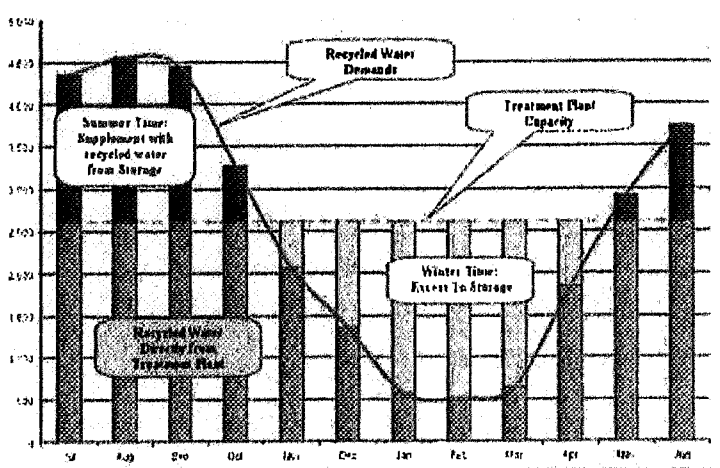


Figure 1 - Generalized Reclaimed Water Balance (ref: IRWD)

The proposed improvements will include filtration and backwash equipment, piping and valves to connect the reservoir outlet piping to Zone A, a flow control system with mag-meter and modulating control valve system, piping to connect the reservoir drain line to a new 42-inch storm drain, domestic water service, permanent electric power, and a sodium-hypochlorite disinfection facility. The development of the proposed outlet piping system is intended to operate by gravity utilizing available head of the storage reservoir behind the dam. Based on our understanding, and public record, the existing Syphon Canyon Dam has a crest elevation of 385 feet and is 59 feet high with a toe elevation of 326 feet. The existing outlet piping systems consists of a 15-inch RCP drain line from the existing reservoir that discharges into a series of valving for distribution located at an existing weir box structure. The existing 15-inch drain line will serve as the supply line to the Zone A RW distribution system.

The reservoir high water elevation is 378 feet and the minimum operating level is 347 feet, reserving a 10 feet deep pool behind the dam. The operating hydraulic grade line of the Zone A RW system is 330 feet. Based on the hydraulic parameters of the supply side to the delivery side, the operating range of the proposed interim facilities varies from 17 feet to 48 feet of available head to drive the system.



The proposed interim flow control facilities will be an outdoor facility configured similar to the Rattlesnake Reservoir strainer facilities. The proposed facility will incorporate a sodium hypochlorite injection system and a direct connection into the 36-inch Zone A RW system located in Portola Parkway. It is IRWD's intent to operate the interim outlet system at a maximum of 5 cfs, splitting 2.5 cfs flow through each of the two strainers. To address a reservoir emergency drain-down scenario, a bypass connection directly into the proposed 42-inch storm drain will be incorporated into the overall project.

The development of the interim outlet facilities site will be adjacent to the existing discharge weir box structure utilizing the existing 15-inch reservoir drain line. IRWD staff members are coordinating the development of the proposed facilities with the Crean Lutheran Church (Crean), which is currently planning the construction of a new athletic complex on a portion of the property located directly downstream of the existing Syphon Reservoir dam. URS understands that the site access to the interim facilities, including alignments for potable water, power, storm drain system, and the Zone A RW piping, will be taken through the proposed athletic complex. The development schedule of the proposed athletic complex will ultimately determine the extent of offsite utilities required to support the interim outlet facilities.

1.1.2 Scope of Work and Methodology -

The scope of work for the design and implementation of the interim improvements includes a Preliminary Design Report, Final Design, and Construction Phase Services, with each phase being authorized by a separate Notice-to-Proceed (NTP). Work will be completed in accordance with requirements identified in IRWD's Design Process Manual. The Scope of Work and Budget will be stand-alone documents that will become the Agreement Exhibits.

Work will consist of, but no be limited to, the following tasks outlined below.

Task 1: Preliminary Design Report (PDR)

The PDR will be completed in accordance with requirements identified in Section 5 (Design Criteria Recycled Water Facilities) of the IRWD Procedural Guidelines and General Design Requirements. In addition to the general guidance provided in the referenced document, URS will specifically address the following items within the PDR:

- 1. New Strainer Installation - URS will design a new strainer system to remove solids and other organics from the feed water supply that will be integrated into the overall outlet piping and valve modifications proposed for this project. It is anticipated that the proposed strainer system will be similar the filtration system installed at Rattlesnake Reservoir. IRWD has indicated that the preferred strainer configuration consists of two strainers each having a flow capacity of 2.5 cfs (1,122 gpm) with no redundancy in the system.

URS has reviewed the available strainer configurations for the preferred flow rates and determined that either an 8-inch or 10-inch dual inline flow body with motorized rotating screens will adequately provide the flow capacity required. The strainers will be outfitted with a pressure differential switch to provide for an automatic backwash cycle based on a pre-set head loss

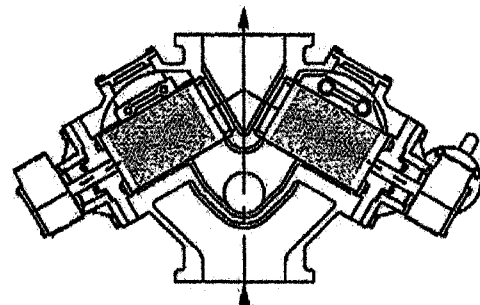


Figure 2 - In-Line Flow Automatic Strainer

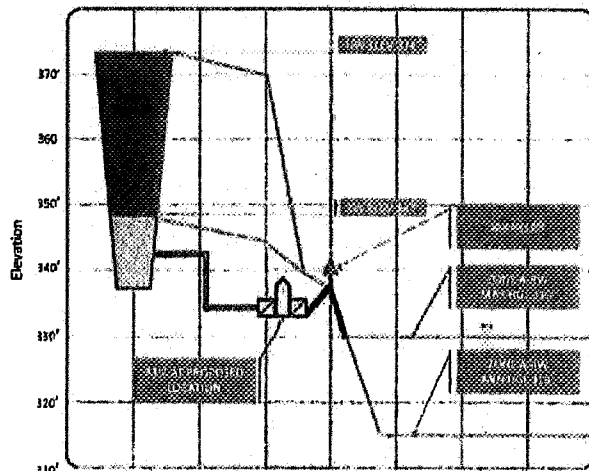


Figure 3 - Generalized System HGL Interim Outlet Facilities





point through the strainer body. Based on a preliminary review of the system hydraulics, the strainer elevation is anticipated to be approximately 335 feet based on the topography of the proposed facility site.

URS will develop overall system hydraulics that will incorporate the installation of the proposed strainer system, outlet piping and valve modifications to evaluate the most optimal elevation of the interim facilities and ensure water deliveries to the Zone A RW distribution through a wide range of available head scenarios based on the water surface elevations within the upstream reservoir. Figure 3 represents a generalized hydraulic gradeline of the proposed outlet works.

- 2. **Sodium Hypochlorite Injection System** - URS will develop a disinfection system integrated into the flow control facilities. The disinfection system will utilize a sodium hypochlorite injection system to chlorinate the discharge waters being introduced into the Zone A RW System with a target residual chlorine level of 5ppm.

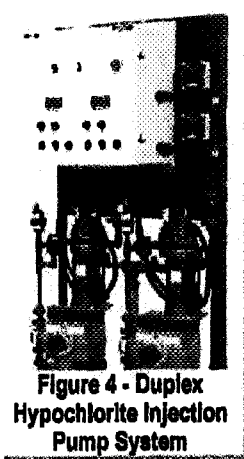


Figure 4 - Duplex Hypochlorite Injection Pump System

URS has prepared preliminary evaluations of tankage requirement for the disinfection system. Based on providing 5 ppm chlorine residual in the discharge to the Zone A RW system, it appears the required tankage is approximately 1,200 gallons for a one week supply. This assumes that no additional chlorination is required for existing organics in the feedwater supply and would provide a 5ppm residual in the discharge into the Zone A RW distribution. To address existing organics needing to be treated at the flow control site, it is reasonable to assume the initial dosing will require approximately 7-8 ppm, which will require approximately 1,500 gallons of storage for a one week supply. Secondary containment is required by the fire code and will be sized to contain a spill from the largest individual vessel.

The hypochlorite storage and metering facility will be covered by a canopy that will provide protection from the elements. We will evaluate the addition of a side sun screen in addition to the canopy roof to provide the bulk storage tanks with a cool, dark area to minimize UV and thermal degradation.

- 3. **Outlet Piping and Valve Modifications** - Based on the initial design parameters provided by IRWD, the interim outlet control and strainer filtration system will be designed to convey approximately 5 cfs into the Zone A RW system. The water supply will be provided through an existing 15-inch diameter drain line from the reservoir located adjacent to the right abutment of the existing Syphon Reservoir dam. In review of the "Syphon Reservoir Drain System - Preliminary Report" prepared by RBF Consulting, dated October 28, 2011, the maximum water surface elevation of the reservoir is 378 feet and the minimum operating level is 347 feet. Under a free uncontrolled flow to the Zone A RW system, the estimated range flow rates from the existing outlet system vary from a maximum of 10,800 gpm (maximum reservoir capacity) to 7,100 gpm (low water operating level) with corresponding pipe velocities of 20.7 to 11.5 feet per second, respectfully. To achieve the target steady state flow rate of 5 cfs, flow modulation will be required. It is anticipated that a motor operated butterfly control valve (MOV) will be used in conjunction with a magmeter to modulate to the desired flow rates and corresponding pipe velocities less than 5 feet per second in the existing 15" drain line. The control valve will be located downstream of the strainers to be protected from any debris in the incoming flow. Incorporated into the flow control facilities will be a bypass discharge line directly into the proposed 42-inch storm drain line to address emergency and maintenance draining of the reservoir.

URS will prepare alternative layout scenarios for the flow control and strainer system based on access requirements, final selection of the strainer body selections, and required valving for the operation of the system. Figure 5 provides a conceptual layout of the flow control system based on Hellan In-Line Flow Type DA strainer. URS will also evaluate the use of a vessel-type strainer as is used at the Rattlesnake Reservoir.



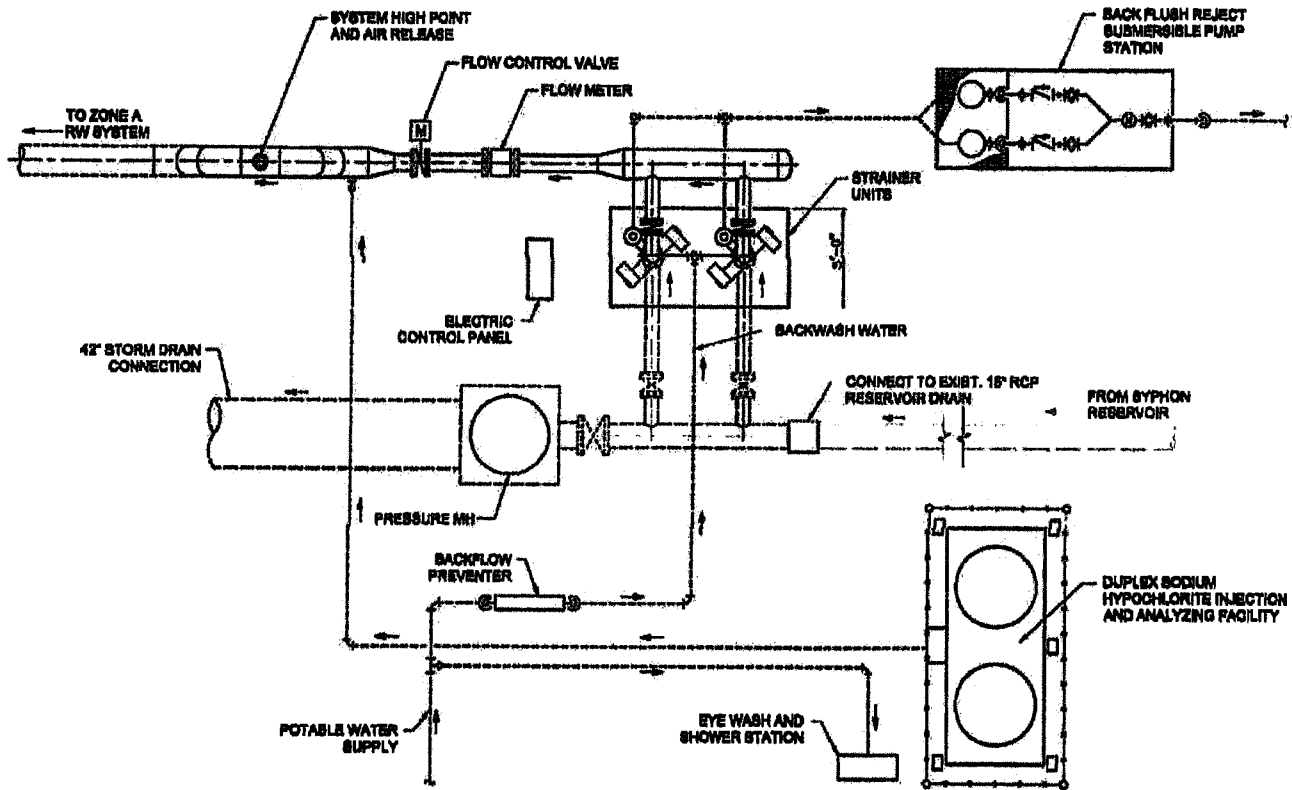


Figure 5 - Conceptual Layout Flow Control and Strainer

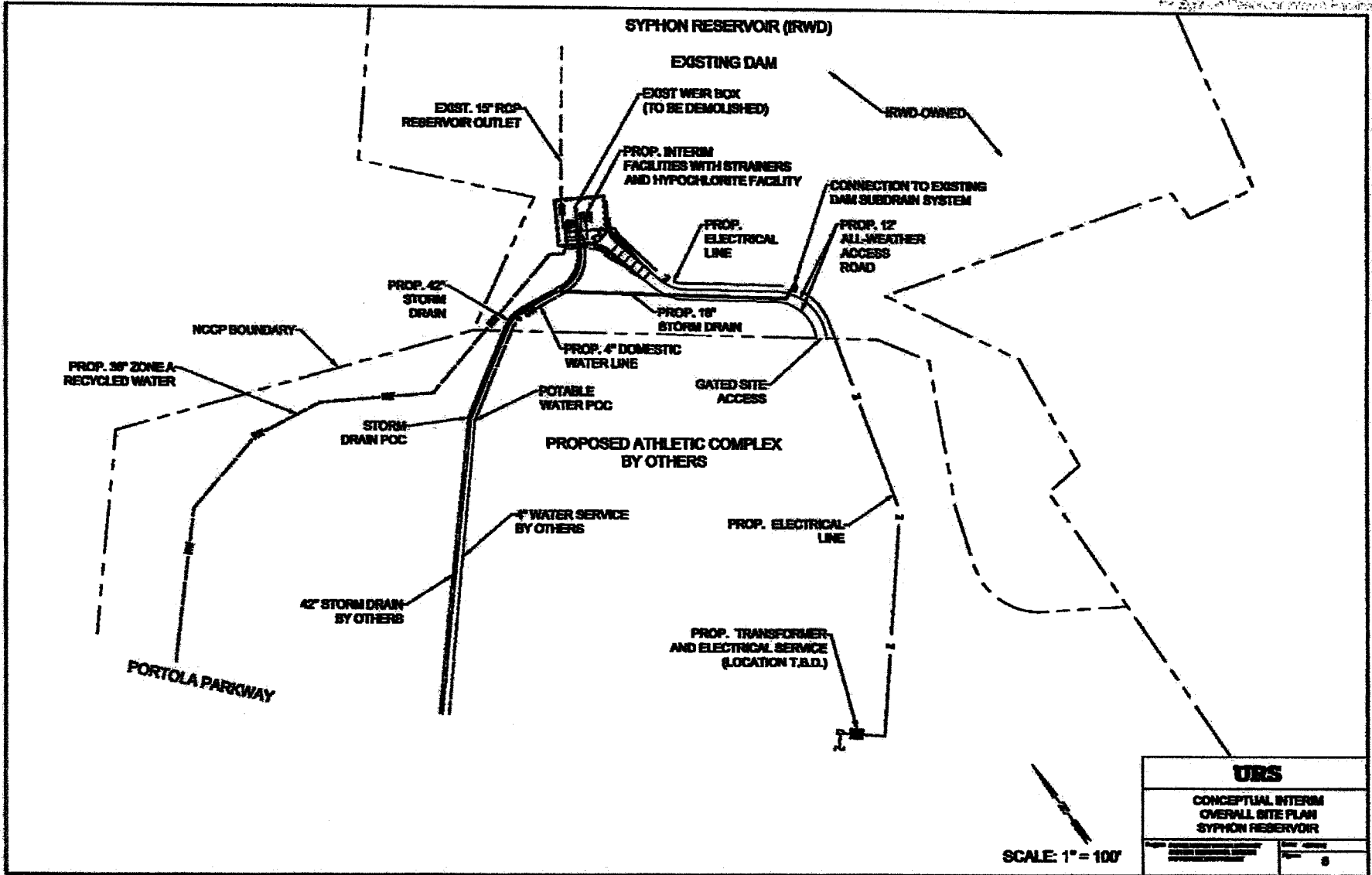
4. Site Layout – URS will provide detailed site layouts for strainers, backwash system, chlorination system with sun shade, outlet piping, valves, drain piping, domestic water piping, electrical power and instrumentation, site security fencing and entry gate with fire lock box, eyewash, emergency shower, all-weather access roads and parking area. Hydrology calculations will be performed to size drainage facilities and earthwork calculations will be performed for site grading.

The development of the proposed interim improvements will require close coordination with Crean Lutheran Church's sports field development. Based on the proposed sports field site development plans, it appears that a portion of the required utilities will be extended through the sports complex towards the existing Syphon Reservoir site. URS has reviewed the proposed Crean Sports Complex development plans including proposed utilities, site access, and proposed Zone A RW water line alignment. During the development of the IRWD flow control site, URS will prepare alternative access and circulation scenarios and develop site drainage to incorporate both surface and sub-drainage facilities. It is anticipated that on-site access elements will require all weather access and surface interception of stormwater runoff.

California Division of Safety of Dams (DSOD) coordination may be required because this project will require reconfiguration of the dam outlet piping and the proposed improvements may be constructed along the toe of the existing dam. Upon the completion of the Preliminary Design Report, URS will prepare a letter of notification to DSOD on behalf of IRWD to inquire as to the level of review required for approval of the proposed improvements. URS will also provide IRWD staff with data needed for the DSOD coordination effort, if needed.



C-5



URS	
CONCEPTUAL INTERIM OVERALL SITE PLAN SYPHON RESERVOIR	
DATE: 08/11/2011 DRAWN: J. HARRIS CHECKED: J. HARRIS	DATE: 08/11/2011 PAGE: 8

SCALE: 1" = 100'





5. Electrical – URS and our subconsultant Moraes, Pham & Associates (MPA) will collaborate with IRWD electrical staff to develop the instrumentation and controls requirements along with the electrical power requirements for the proposed facility. Based on information provided by IRWD staff, the proposed electrical power supply will require the installation of an electrical service and transformer, which will likely be located near the sports field entrance at Portola Parkway. The URS/MPA team will coordinate with Southern California Edison and Crean to locate and install a new electrical service and transformer (if needed) near the Portola Parkway right-of way. Our team will design the electric power facilities from the new electrical service at Portola Parkway to the proposed project site.
6. Instrumentation and Controls - URS/MPA will prepare a preliminary operational scheme including Process and Instrumentation Diagram (P&ID), single line diagram, control equipment list, and method of integration into the IRWD SCADA system for the pumping facilities, strainers, flow meter, valves, pressure transmitters (if required by IRWD), and sodium hypochlorite injection system.

URS/MPA will conduct a field review to investigate a suitable location for establishing radio telemetry. We assume that a radio path study is not required. As part of the control designs, MPA will incorporate a Quantum PLC based RTU, meeting the latest IRWD standards. RTU drawings and Bill of Materials will be prepared for IRWD staff review and acceptance. URS/MPA will prepare a PLC I/O and control alarm functions and trigger points schedule. System operations and descriptions will be prepared for PLC programming by IRWD staff members.

7. Site Survey - IRWD has provided an overall topographic map of the Syphon Canyon project site that includes one foot contours for the proposed interim facilities site. URS, through our subconsultant Bush and Associates, will provide additional field survey information providing specific dimensions and location of existing facilities. Additional field surveying will be incorporated into the existing topographic mapping as necessary to serve as the basis of design for the project.

Existing subsurface utility investigations (utility potholing) will be performed on the reservoir site by URS, through our subconsultant SAF-r-DIG. Our team will locate the existing reservoir outlet pipes (the abandoned 16-inch pipe that extends to Portola Parkway and the pipe that extends to the concrete channel along Portola Parkway) and the existing reservoir drain pipes. For budgeting purposes, URS has budgeted for seven (7) utility potholes throughout the reservoir site. Additional required potholes will be prepared on an as-needed basis. URS will gain approval prior to investigating additional utility locations.

Bush and Associates will locate all pothole location and elevations and incorporate utility information into the existing topographic mapping provided by IRWD.

8. Geotechnical Investigation - URS will provide geotechnical recommendation for the proposed improvements. We have reviewed the existing geotechnical investigation, prepared by GEI Consultants, titled "Syphon Reservoir Expansion Engineering Feasibility – Geotechnical Data Report" dated January 27, 2012, and have concluded that additional field exploration will not be required for this project. A supplemental report of findings and recommendations will be developed based on existing data to support this project.
9. Permits and Approvals - During the development of the PDR, URS will identify required permits and fees along with the anticipated permit processing times. Furthermore, it is understood, that technically the project site is located within the unincorporated portions of Orange County, but improvements within Portola Parkway are within the City of Irvine. Therefore the URS project team will develop and submit the final construction documents to the City of Irvine for review and approval for Encroachment Permits.



As discussed above, and based on public record, the limits of the existing Syphon Canyon Dam has a crest elevation of 385 feet and extends to the downstream toe at elevation ± 326 feet. The proposed improvements may be located along the toe of the dam and may require a review by the California Division of Safety of Dams. URS will coordinate with IRWD staff to prepare required applications and submittals to DSOD.

10. CEQA Documentation - URS will provide technical support to IRWD staff for the development of California Environmental Quality Act (CEQA) documentation. It is understood that IRWD staff will be preparing CEQA documentation for the project. URS activities will be limited to identifying potential construction impacts, areas of permanent impacts, and areas of temporary impacts due to construction activities. For budgetary purposes, URS has allocated \$3,000 in the PDR phase of the project to provide support services to the District.
11. Project Schedule - URS will prepare an estimated project construction schedule during the development of the PDR. The construction schedule and associated supporting documentation will identify coordination items, date of completed plans, long lead equipment items, critical path items, and associated review periods by IRWD. The project construction schedule will be prepared utilizing Microsoft Project. Financial data will not be included into the project schedule. The construction schedule and supporting documentation will be submitted to IRWD for review and approval.
12. Estimate of Probable Construction Costs - URS will prepare a preliminary estimate of probable construction costs for the construction of the proposed improvements. All estimates will be based on best available construction costs data and incorporated into the preliminary estimates as appropriate. Estimates will be developed in a tabular form suitable for the development of the Notice to Contractors.
13. Team Meetings - URS will schedule and lead meeting with IRWD's PDR Team to assure that all design, operational and maintenance issues are being addressed. URS will provide agendas of upcoming project coordination meeting five working days in advance of the meeting and prepare meeting minutes and action items within five working days subsequent to the project coordination meetings. These efforts are intended to assure that all technical issues are being addressed and that the project stays on schedule. For the purposes of this proposal the following meetings are anticipated as part of the PDR phase:
 - Project Kick-off Meeting
 - Preliminary Design Progress Meeting
 - Pre-submittal PDR Review Meeting
 - Draft Review PDR Meeting.
14. Technical Specifications - URS will prepare an outline of the Project Manual for the construction project. The outline will only address items not covered by IRWD's Construction Manual, latest edition.
15. Deliverables - URS will provide eight (8) copies of agendas, handouts, and meeting minutes for each project coordination meeting. URS will provide eight (8) copies of the Draft and Final PDR to the District for comment, review, and approval. All submittal will include both an MS Word and PDF copy of project documentation ready for reproduction purposes.

URS proposes the following Table of Contents for the Preliminary Design Report:



2. **Project Manual** - URS will prepare the Project Manual in standard IRWD format and complete IRWD templates for the Bidding and Contract requirements section of the manual. We will provide an original set of bidding documents in 8-½ inch x 11 inch format. Computer files of the Project Manual will be submitted to IRWD in the latest version of Microsoft Word on one CD and as a single PDF file on a second CD. URS has copies of example Project Manuals from IRWD that will be used for reference.

3. **Final Design Deliverables** - URS will provide final design deliverables pursuant to IRWD's Design Process Manual. The submittals will be provided as described below.

URS will submit eight (8) copies of the first (75%) submittal. Plans for the first submittal will include a draft set of drawings for the entire project. Layouts, sections, and details will be provided in detail for of each component of the design such as civil, mechanical, structural, electrical, and instrumentation improvements. The first submittal will include all sections of the Project Manual with technical specifications and an engineer's estimate of probable construction cost. The General Provisions will not be included in the Project Manual for this submittal.

URS will submit eight (8) copies of the second (90%) submittal. Plans for the second submittal will clearly show layouts of design components such as civil, mechanical, structural, electrical, instrumentation, and detail sheets. URS will incorporate IRWD staff comments on the 75% submittal. URS will update the Project Manual and engineer's estimate of probable construction cost for this submittal. The General Provisions will not be included in the Project Manual for this submittal.

URS will submit eight (8) copies of the second (100%) submittal. This submittal will include a final set of plans for the entire project. Plans for the second submittal will clearly show layouts of design components such as civil, mechanical, structural, electrical, instrumentation, and detail sheets. URS will incorporate IRWD staff comments on the 90% submittal, as well as comments received at the 90% plan review meeting. URS will update the Project Manual and engineer's estimate of probable construction cost for this submittal. The General Provisions will not be included in the Project Manual for this submittal.

URS will submit stamped and signed reproducible plans (mylars), bond paper set of the final construction plans and original signed Project Manual for IRWD signatures. URS will attend IRWD's meeting for signatures to explain the project and answer questions. A final engineer's estimate of probable construction cost will be submitted with the final plans and Project Manual.

4. **Project Meetings** - URS will conduct and attend meetings with IRWD during the final design phase to preview project documents, discuss design issues, and discuss IRWD staff comments. URS will document the communication, generate meeting minutes, and share progress with IRWD. There will four meetings total for Task 2, including: project kick-off, 75% submittal review, 90% submittal review, and 100% submittal review. URS will also coordinate the project with other project stakeholders, as needed.
5. **Project Schedule** - URS will submit a project schedule with each final design submittal, including a detailed construction schedule. The project schedule will reflect coordination items, submittal milestones, critical path items, IRWD review times, shop drawing approvals, manufacturing, delivery, seasonal weather impacts, and affected construction projects.
6. **Permits** - URS will identify all required permits for the project and controlling agencies. This identification will include agency contact information, required agency fees, and anticipated processing times. We anticipate that these agencies will include the City of Irvine, Regional Water Quality Control Board, California Department of Public Health, affected utilities, and any other affected agencies. URS will prepare and process the permit applications, including



exhibits required by the issuing agency, and shall furnish the required number of copies of all plans and exhibits. IRWD staff will sign all applications as required by the owner. Permit fees are assumed to be paid by the District and are not included in the URS fee.

7. CEQA Documentation - The proposed project is subject to the California Environmental Quality Act (CEQA). It is our understanding that IRWD will prepare the CEQA documentation for the project. URS will provide IRWD with supporting data of the construction activities impacting the environment. In accordance with IRWD's RFP, we have budgeted \$3,000 in the final design phase for providing information to IRWD staff for CEQA documentation.
8. Liquidated Damages Calculations - URS will assist in calculating liquidated damages for the project, which would take effect if the contract time is exceeded by the Contractor. URS will fill out IRWD's standard liquidated damage calculation form.
9. Construction Cost Estimate - URS will provide IRWD with an engineer's estimate of probable construction costs for the 75%, 90% 100% and final submittals. URS will incorporate and address comments from IRWD related to the cost estimate.
10. Equipment Procurement - URS will contact each equipment vendor in order to identify any long-lead equipment items. URS will provide IRWD with a table of estimated lead times for all proposed equipment and assist IRWD with procurement of these items, if necessary.
11. Bid Period Assistance - During the bidding period, URS will provide bidding support and assistance as it pertains to the contract documents and construction drawings of the interim improvements. For budgetary purposes, we have assumed a number of hours in our fee estimate to answer questions from prospective bidding contractors, and assist IRWD in providing information and clarification of the bid documents. URS will consult with IRWD to address concerns or answer their questions in support of administering the bid process. URS will prepare two (2) addenda for all prospective bidders, if requested by IRWD.
12. SCE Coordination - The URS/MPA team will coordinate with Southern California Edison (SCE) to design and install a new electrical service and electrical transformer (if needed) for the proposed project. We will coordinate the location of the new service facility with Crean Luthern Church. URS/MPA will prepare and process the new service application, including the design letter required by SCE. Application fees are assumed to be paid by the District and are not included in the URS fee.

Task 3: Construction Phase Services

URS will provide construction phase services including Project Management, submittal/shop drawing review, response to requests for information, and record drawings preparation. These services are detailed below:

1. Project Meetings - URS will attend/conduct ten (10) project progress meetings of two hours each during the course of the project construction and provide meeting minutes within one week of the meeting.
2. Contractor's Request for Information (RFI) - URS will respond to approximately twelve (12) Requests for Information.
3. Minor Plan Revisions - URS has budgeted twenty (20) hours of staff time for minor plan revisions to the construction drawings.
4. Site Visits - URS has budgeted four (4) site visits of two hours each during construction.

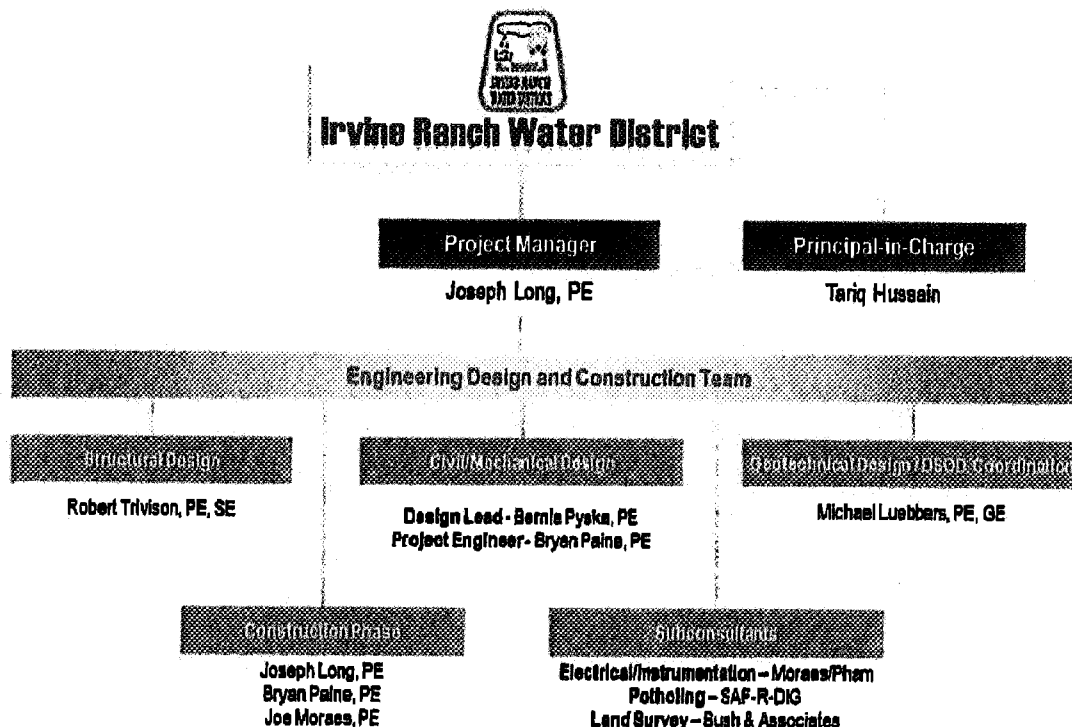


- 5. **Shop Drawing Reviews** – URS has budgeted for the review and acceptance of thirty (30) shop drawing submittals and re-submittals. Submittals will be reviewed for completeness and conformity with the contract documents. URS will deliver copies of the reviewed submittals to the IRWD Inspector, IRWD Project Manager, IRWD File and Contractor as required.
- 6. **Record Drawings** – URS will prepare record drawings on 24-inch by 36-inch mylars at construction completion, using the Contractor's and IRWD Inspector's red lines. URS will prepare final record drawings mylars, reissued signed mylars (as needed), AutoCAD electronic files on CD, and one color PDF file of the entire construction plan set on CD and deliver the record drawing package to IRWD.

2 PROJECT TEAM

Our team members have a long history of working with IRWD staff. They have performed work on projects such as the Bayview Lift Station Improvements; Primary Sludge, Waste-Activated Sludge, and Skimming Pump Upgrades at the Michelson Water Reclamation Plant; and the Zone 3-4 Booster Pump Station and OC-72 Flow Control Facility. We pledge that the key personnel on this team will be available to the extent proposed for the duration of the project, and that no person designated as "key" to the project shall be removed or replaced without the prior written concurrence of IRWD. The organization chart below shows our proposed project team. Brief biographies for key team members are presented in the following section and full resumes for everyone listed on the organization chart can be found at the end of this submittal.

2.1 ORGANIZATION CHART





April 3, 2012

Mr. Malcolm A. Cortez, Principal Engineer
Irvine Ranch Water District
Michelson Water Reclamation Plant
3512 Michelson Drive
Irvine, CA 92612

Subject: Cost Proposal to Provide Engineering Design Services for Syphon Reservoir Interim Facilities Project

Dear Mr. Cortez:

URS is pleased to submit our proposed fees for the above mentioned project. As directed, we have broken the costs down by phase, task and team member. The enclosed spreadsheet provides the detailed breakdown. A summary of the costs by phase are presented below:

Task 1: PDR	\$ 42,355
Task 2: Final Design	\$102,935
Task 3: Construction Phase Services	<u>\$ 24,710</u>
	\$170,000

URS is providing the majority of the engineering design services from our own staff here in Southern California. We have selected a few specialty firms as subconsultants and are providing their services with no mark-up.

The cost spreadsheets reflect the rate for key individuals with a proposed multiplier of 2.6. The rates reflect 2012 hourly billing rates.

We look forward to the opportunity to work with the District and being selected to serve on this project.

Sincerely,

URS Corporation

Tariq Hussain
Vice President

URS Corporation
2020 East First Street, Suite 400
Santa Ana, CA 92705
Tel: 714.835.8888
Fax: 714.867.7147
www.urscorp.com

**Estimated Cost Breakdown of Total Fee
Irvine Ranch Water District
Syphon Reservoir Interm Facilities Project
April 3, 2012**

Task No.	Task Description	URS Labor Hours						TOTAL HOURS	TOTAL LABOR	Electrical Subcontractor Mowee/Pham ¹	Potholes Subcontractor SAF-R-DIG ²	Survey Subcontractor Bush & Associates	Direct Costs / Materials ³	TOTAL	
		Principal-in-Charge	Project Manager	Principal Engineer- Q/DOC	Project Engineer	Staff Engineer	Senior CAD Technician								Admin / Permit Coord / Repro
TASK 1: Preliminary Design Report (PDR)															
1	New Strainer Installation		2	2	2	4		10	\$1,200					\$1,200	
2	Sodium Hypochlorite Injection		1	2	2	4		9	\$1,105					\$1,105	
3	Outlet Piping and Valve Modification		1	4	4	12		21	\$2,345					\$2,345	
4	Site Layout		2	4	4	8	24	42	\$4,010					\$4,010	
5	Electrical		1		2			5	\$585	\$4,110				\$4,695	
6	Instrumentation and Controls		1		2			3	\$445	\$7,100				\$7,545	
7	Site Survey and Utility Potholing		1		2			5	\$585		\$4,000	\$3,000		\$7,585	
8	Geotechnical Investigation			4	3	2		4	18	\$2,120			\$50	\$2,170	
9	Permits		1		1			10	\$795					\$795	
10	CEQA Documentation		1		8	8	8	33	\$2,845				\$55	\$3,000	
11	Project Schedule		1		2			3	\$445					\$445	
12	Estimates of Probable Construction Costs		1		4			5	\$705	\$700				\$1,405	
13	Team Meetings (3)		5		5			10	\$1,590	\$680			\$60	\$2,330	
14	Technical Specifications		1		2			3	\$445					\$445	
15	Deliverables		2	4	8	24	32	4	78	\$8,700			\$250	\$8,950	
SUBTOTAL TASK 1		2	24	24	73	70	36	28	287	28,278	\$8,878	\$4,000	\$3,000	\$415	\$42,386
TASK 2: Final Design															
1	Construction Details (31 Sheets)		12	18	90	110	288	4	498	\$45,820	\$26,821			\$71,641	
2	Project Manual		4	2	12			4	22	\$2,880	\$1,320		\$500	\$4,700	
3	Final Design Deliverables	1	8	4	4		8	8	31	\$3,580	\$980		\$1,580	\$5,070	
4	Project Meetings (4)		8		8			16	\$2,520	\$680			\$60	\$3,260	
5	Project Schedule		2			2		4	\$530					\$530	
6	Permits		1	1	2			8	12	\$1,095				\$1,095	
7	CEQA Documentation		1		8	8	8	33	\$2,845				\$55	\$3,000	
8	Updated Damages Calculations				2			2	\$260				\$55	\$260	
9	Construction Cost Estimate		1	1	4	4		10	\$1,195	\$1,080				\$2,275	
10	Equipment Procurement		1		2	4		7	\$785					\$785	
11	Bid Period Assistance (2 Attend)		2		2	4	8	16	\$1,850	\$620				\$2,070	
12	SCE Coordination		4		8			20	\$2,280	\$4,040			\$50	\$7,280	
SUBTOTAL TASK 2		2	42	24	142	132	290	48	672	\$6,488	\$15,281		\$2,284	\$162,938	
TASK 3: Construction Phase Services															
1	Project Meetings (10)		10		20			30	\$4,450	\$485			\$200	\$5,135	
2	Contractor's RFI (12)		4	2	8			12	\$1,880	\$950				\$2,780	
3	Minor Plan Revisions (20 Hours)		2	2	4		12	20	\$2,120					\$2,120	
4	Site Visits (4)		6		8			12	\$1,880	\$1,320			\$50	\$3,230	
5	Shop Drawing Reviews (30)		4		24			36	\$4,340	\$1,850			\$200	\$6,490	
6	Prepare Record Drawings		2	2	8		20	30	\$2,980	\$1,575			\$300	\$4,855	
SUBTOTAL TASK 3			28	8	68		32	148	\$17,090	\$6,278			\$788	\$24,156	
TOTAL PROJECT TOTAL		2	64	32	173	102	68	176	1,000	\$111,336	\$28,371	\$4,000	\$3,000	\$1,200	\$147,937

Notes & Assumptions:

- 1.) Mowee/Pham assume the following: Radio path study is not required; Software programming is by IRWD; Strainer control panel is specified item packaged by vendor (custom design not required)
- 2.) We assume that seven (7) potholes by SAF-R-DIG will be required.
- 3.) Direct Costs / Materials include costs such as mileage to meetings/site, courier fees, and document reproduction costs

C-14

Exhibit "D"

Syphon Reservoir Interim Improvements Payback Analysis

Syphon Reservoir Background Information

Overflow Elevation:	378 feet
Capacity:	578 AF
Useable Capacity:	450 AF

Avoided cost of Sewer Flows to OCSD (CORF)

Avoided sewer flows to OCSD:	0.89 MGD	Assumes 6 month fill cycle.
Starting Year of operation:	2013	
Final Year of operation:	2014	
Year of interim operations:	1	
Avoided CORF cost:	\$401,786	Average CORF Saving/1 mgd of sewer flow = \$450,000

MWDOC Untreated Water Rate Information

2013 Cost of MWDOC Untreated ⁽¹⁾ :	\$646 /af
Annual rate increase for MWD water:	6%

	2013	2014	2015	2016	2017	2018
Future MWDOC Rates:	\$646	\$684	\$726	\$769	\$815	\$864

Construction Cost for Interim Facilities

Outlet Facility Construction Cost:	\$837,769
Design Phase Cost:	\$239,000
Subtotal:	\$1,076,769
30% CM, Contingency:	\$323,031
Total Cost:	\$1,399,800

Project Payback Analysis

O&M Inflation Rate:	3%
IRWD Internal Rate of Return:	4%

	2013	2014	2015	2016	2017	2018
Annual O&M Cost:	(\$10,000)	(\$10,300)	(\$10,609)	(\$10,927)	(\$11,255)	(\$11,593)
Avoided cost of MWD Untreated Water:	\$290,588	\$308,023	\$326,504	\$346,094	\$366,860	\$388,872
Avoided Cost:	\$280,588	\$297,723	\$315,895	\$335,167	\$355,605	\$377,279
Total cost of Project:	\$1,399,800					
- CORF Saving:	-\$401,786					
Net Cost:	\$998,014					
Average Avoided cost /yr:	\$283,807					
Years to pay back:	3.5 years from June 2013					

Notes:

(1) MWDOC cost of untreated water including RTS and fixed charge; based on MWD's adopted rates for 2013 (April 10).

IRVINE RANCH WATER DISTRICT EXHIBIT C

Expenditure Authorization

Project Name: SYPHON RESERVOIR INTERIM IMPROVEMENTS
EPMS Project No: 30374 **EA No:** 1
Oracle Project No: 3729
Project Manager: CORTEZ, MALCOLM
Project Engineer: CHO, HARRY
Request Date: April 5, 2012

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

Improvement District (ID) Allocations

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

Summary of Direct Cost Authorizations

Previously Approved EA Requests:	\$0
This Request:	\$239,500
Total EA Requests:	\$239,500
Previously Approved Budget:	\$0
Budget Adjustment Requested this EA:	\$1,399,800
Updated Budget:	\$1,399,800
Budget Remaining After This EA	\$1,160,300

Comments:

Phase	This EA Request	Previous EA Requests	EA Requests to Date	This Budget Request	Previous Budget	Updated Budget	Start	Finish
ENGINEERING DESIGN - IRWD	50,000	0	50,000	50,000	0	50,000	5/12	11/12
ENGINEERING DESIGN - OUTSIDE	171,000	0	171,000	171,000	0	171,000	5/12	11/12
DESIGN STAFF FIELD SUPPORT	5,000	0	5,000	5,000	0	5,000	5/12	11/12
ENGINEERING - CA&I IRWD	0	0	0	50,000	0	50,000	12/12	6/13
ENGINEERING - CA&I OUTSIDE	0	0	0	50,000	0	50,000	12/12	6/13
CONSTRUCTION FIELD SUPPORT	0	0	0	5,000	0	5,000	12/12	6/13
CONSTRUCTION	0	0	0	1,000,000	0	1,000,000	12/12	6/13
LEGAL	2,000	0	2,000	2,000	0	2,000	5/12	6/13
Contingency - 5.00% Subtotal	\$11,500	\$0	\$11,500	\$66,800	\$0	\$66,800		
Subtotal (Direct Costs)	\$239,500	\$0	\$239,500	\$1,399,800	\$0	\$1,399,800		
Estimated G/A - 180.00% of direct labor*	\$99,000	\$0	\$99,000	\$198,000	\$0	\$198,000		
Total	\$338,500	\$0	\$338,500	\$1,597,800	\$0	\$1,597,800		
Direct Labor	\$55,000	\$0	\$55,000	\$110,000	\$0	\$110,000		

*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]

4/5/12

Department Director:

[Signature]

4/9/12

Finance:

Board/General Manager:

** IRWD hereby declares that it reasonably expects those expenditures marked with two asterisks to be reimbursed with proceeds of future debt to be incurred by IRWD in a maximum principal amount of \$1,630,000. 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.

April 23, 2012

Prepared by: Rob Jacobson

Submitted by: Debby Cherney *DC*

Approved by: Paul Cook *PC*

ACTION CALENDAR

ASSET OPTIMIZATION – LAKE FOREST PROPERTY SERRANO SUMMIT FINAL MAP CONSULTANT SELECTION

SUMMARY:

At the April 16, 2012 Special Asset Management Committee meeting, two consultants made presentations to the Committee on their proposals to manage the process to obtain a Final Map (A-map) on the recently approved Serrano Summit tentative tract map (TTM). Based on staff and the Committee's assessment of their unique background and knowledge of the Serrano Summit project, the depth of their internal resources and their fee proposal, staff recommends Lewis Operating Group (Lewis) to manage the Final Map process. Staff recommends an initial time and materials based contract not to exceed \$257,000.

BACKGROUND:

After more than five years of analyses, discussions, and negotiations between the City of Lake Forest (City) and the landowners participating in the "Opportunity Study Area" (OSA), the City approved an Environmental Impact Report (EIR), general plan amendment (GPA) and zone changes for the projects identified in the OSA. In July 2008, the IRWD Board approved the related Development Agreement, which was then approved by the City Council in August 2008. Subsequently, the District retained consultants (entitlement, architect, civil engineer, landscape architect, etc.) to plan and design a future development on the site that will include up to 608 residential units, neighborhood and passive parks, a city hall and civic center complex, and IRWD operating facilities.

Lewis was retained by the District in 2006 to provide consultant services related to the entitlement of the Serrano Summit project. In its original scope of work for this contract, Lewis was retained to serve in an advisory role during the OSA process with the City and the subsequent completion of the Development Agreement. Through a series of variances to its original contract, the scope was increased to include managing the process to complete all documents required for the approval of the TTM, project-specific EIR and Community Facilities District (CFD) formation. The TTM approval process included managing key consultants (design, environmental, legal, etc.), participating in numerous meetings with City staff and presentations to the City's Parks Commission, the Planning Commission and City Council.

On February 7, 2012, the City Council approved the Serrano Summit tentative tract map depicting the future planning areas and corresponding Area Plan for the property, as well as certification of a project-specific EIR. On April 17, 2012, the City formally approved the formation of the related CFD for the project.

Final Map Processing – Consultant Selection:

With the recent approval of the Serrano Summit TTM and Area Plan, the next phase of development entitlement includes obtaining a Final Map for the project. The Final Map phase primarily involves satisfying the Conditions of Approval, which were stipulated in the City's tentative map approval. Based on analysis and recommendations from land use consultants and other residential real estate professionals, obtaining a Final Map is the next major milestone for potential buyers and is expected to add significant value to the property. Obtaining a recordable final map will provide builders with a residential project that is fully prepared for grading, construction of required infrastructure and eventual home construction.

The process to obtain a recordable Final Map is considered to be more ministerial in nature than the tentative map process, and staff recommends retaining a consultant to manage the required consultants (civil engineer, landscape architect, etc.), to coordinate agency permitting requirements, to complete the necessary Department of Real Estate conditions, to work closely with City staff towards completion of the Final Map, and generally advise the District throughout the process.

Staff requested proposals from three firms to manage the Final Map process including Lewis Operating Group, Developers Edge, and Hogle-Ireland; all three firms submitted proposals. The proposals varied significantly in terms of both expected hours required for project completion, as well as hourly rates and additional fees proposed. Estimated consulting hours to complete the project ranged from 716 to 1,740 based on each consultant's estimate of the effort associated with the requested scope of work; average hourly rates ranged from \$130 to approximately \$450 per hour. To facilitate a comparison between the consultants' proposals, staff assumed an initial requirement of 1,000 consulting hours. All of the consultants estimated a schedule of completion of 14-18 months.

At the March 22, 2012 Committee meeting, it was determined that Lewis and Developers Edge provided the most comprehensive proposals and were the more qualified of the three consultants to process a residential Final Map for the District. Based on discussions and feedback from the Committee meeting regarding project experience and qualifications, representatives from the two firms were invited to make presentations to the Committee on their proposals.

Following the March 22 Committee meeting, staff received a revised pricing proposal from Lewis. That proposal substantially reduced the fees proposed initially. A comparison of the two firms proposals, including Lewis' revised fee structure, is attached as Exhibit "A".

The two firms presented their proposals to the Committee at a meeting on April 16, 2012. The presentations included a discussion of each firm's experience and qualifications, project-specific expectations for the Serrano Summit final map process and potential challenges that may arise with the project.

Based on the presentations and discussion with the Committee, staff recommends that the Board approve the retention of Lewis Operating Group to manage the final map process. A copy of their proposal including the anticipated scope of work and list of deliverables is attached as Exhibit “B”. It is anticipated that Lewis’s in-depth knowledge of the Serrano Summit project, familiarity with key City staff/consultants and extensive experience processing numerous residential tract maps will provide the management required to efficiently process the Final Map. Lewis’ fee of \$257 per hour is the higher of the two firms; however it is anticipated that the value provided by their unique in-house resources (marketing, engineering, design, etc.) will offset certain costs that would be incurred for similar outside consultants. Additionally, Lewis’ negotiated pricing agreements with various industry consultants will be realized by the District providing additional value.

Staff recommends approval of an initial contract for 1,000 hours for a contract amount not to exceed \$257,000. Because the Lewis proposal initially estimated 1,740 hours, staff will return to the Board should additional funds be required.

FISCAL IMPACTS:

The recommended time and materials contract with Lewis Operating Group to manage the Final Map process is for an amount not to exceed \$257,000, absent further Board approval for additional fees if needed. The current approved Capital Budget amount for Project No. 1264 (11116), Asset Optimization – Lake Forest Property is \$4,564,020.

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and in conformance with the California Code of Regulations Title 14, Chapter 3, Article 7, an Environmental Impact Report was certified by the City of Lake Forest on February 7, 2012.

COMMITTEE STATUS:

This item was reviewed by the Asset Management Committee at a Special Meeting held on April 16, 2012.

RECOMMENDATION:

THAT THE BOARD APPROVE THE RETENTION OF LEWIS OPERATING GROUP TO MANAGE THE FINAL MAP PROCESS FOR THE SERRANO SUMMIT PROJECT AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT NOT TO EXCEED \$257,000.

LIST OF EXHIBITS:

Exhibit “A” – Summary of Final Map Consultant Fee Proposals
Exhibit “B” – Lewis Operating Group Proposal

Exhibit "A"

Serrano Summit Final Map Consultant Comparison (Revised)

	Developers Edge	Lewis (Revised)
Consultant's Estimated Hours to Complete	716	1,740
Average Cost/Hour	\$130	\$257
IRWD's Estimate of Hours to Complete	1,000	1,000
Estimated Consultant Management Cost	\$130,000	\$257,000
Additional Fees/Costs*	\$8,400	\$0
<i>Estimated Total Fee:</i>	\$138,400	\$257,000
Effective Hourly Rate	\$138.40	\$257.00

Lewis Operating Corp.

A Member of the Lewis Group of Companies
1156 North Mountain Avenue • P.O. Box 670 • Upland, California 91785-0670
Phone 909.986.0971 • Fax 909.931.5516 • www.lewisop.com

*Writer's E-mail: Leon.Swails@lewisop.com
Writer's Direct Phone: 909.946.7529*

April 13, 2012

Mr. Rob Jacobson
Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, CA 91618

Reference: Serrano Summit Phase III Management Services

Dear Rob:

Thank you for the opportunity to provide this proposal for the Serrano Summit Phase III Final Map and Infrastructure Improvement Plans Management Services. The selection of the right firm to provide the value IRWD needs on the Serrano Summit project is critical to the preparation of the project value uplift in anticipation of a sale or development of the property.

Lewis Operating Corp. offers a multi discipline firm with resources necessary to integrate all aspects of the project to maximize the potential (Technical, Environmental, Marketing, and Construction). A driven and innovative management approach will provide those results. Lewis offers that not only from the company's principals but through the staff in every aspect of development.

Key to this successful approach is the firm's 55 years of experience in the development of residential, commercial, and apartment communities in Southern California. This success is based on the breadth of firm resources available to develop and position the property to maximize the value and potential to homebuilders.

The Lewis team key personnel begin with the Executive Team including Randall Lewis, John Goodman, and Leon Swails. The senior executives within the firm provide project oversight and direction on market trends, product selection, and project risk management. These project elements remain critical in Phase III through key decisions such as marketing the project entry, residential demands and trends on community facilities, and the development agreement risks on the civic center site independent development.

Additional to the Executive Team, the senior Lewis project team includes John Young (Planned Community and Apartment Development), Omar Dandashi (Planned Community, Entitlement, Engineering and Project Development), Andy Hetzel

(Marketing), Erren O'Leary (Sales and Land Disposition), and Scott Crawford (Engineering and Construction). With each member of the team with focal and key experience to best support and manage the project, the combined experience and those of additional supporting personnel will enable the Serrano Summit Phase III stage to maximize its potential.

Phase I & II Project Value Add

Solutions, Innovations, and savings to the project can and are likely to occur with the right team valuing the project with the standard of care given to Lewis projects, creating communities that add value to locations and municipalities in which they are developed. Serrano Summit provides a unique opportunity in a prime location with the City of Lake Forest.

Phase I & II value add includes broadly elements such as the product mix, the land use planning to maximize view potential premiums, minimize infrastructure improvement construction costs, and plan community amenities with the concept of community creation in a community beneficial and fiscally profitable project that the District will appreciate as an investment and legacy for its involvement in the growth and success of Orange County.

Recent accomplishments providing value to the project include:

- Reduction of the retaining walls between Improvement Areas 1 and 2 while meeting the Planning Commission aesthetic concerns. This was accomplished through some innovative balancing of earthwork on site and integrating MSE walls into landscaping. (Direct Cost Impact estimated in the order of \$150,000)
- Evaluating fire modeling strategies to minimize the fuel modification zones adjacent to the property. This ongoing effort will not only minimize the temporary construction impacts on the adjoining properties but also addresses the potential of coastal sage scrub habitat mitigation impacts. (Direct Cost Impact estimated in the order of \$100,000)
- Project entry alternatives designed to provide the project the optimal marketing window from Commerce Center Drive. Utilizing the firm's breadth of experience, a balanced alternative with market and cost was recommended for IRWD's consideration. This marketing window is and remains a critical element of the project's success.
- Civic Center development strategies address the potential that the City will elect under the Development Agreement terms to develop the civic center site outside of the overall site development schedule. The ongoing evaluation of approaches, construction strategies, Baker Treatment Plant operational access, and long term site maintenance impacts will provide a key role in effectively developing the project in partnership with the City of Lake Forest.

Phase III Project Value Add

As project complexities shift from the entitlement under the prior phases, Phase III provides not only opportunities but challenges to continue to reduce the project risk by developing a Final Map and Infrastructure Package that is positioned for maximizing the sale or development of the property. This phase is not simply a matter of addressing conditions of approval developed under Phase II, but it is an open opportunity to provide the necessary project uplift for ultimately maximizing the return on the District's investment.

Managing the complexities, opportunities, and challenges remains key to providing the maximum return on investment. As in Phase II, Phase III management requires not only an understanding of each project element, but how they all fit into a final product ready for a re-emerging market. Please find below a summary of the Serrano Summit Phase III Final Map and Infrastructure Design management complexities required:

1. First hand development with a firm with significant and proven background in delivering project technically, environmentally, and with construction efficiency will lead to a more marketable and construction cost efficient design package with the project entitlements and thereby a greater sales potential. Lewis manages Serrano Summit as a Lewis project.
2. Integration of technical elements requires a detailed knowledge base of permitting, design, and construction to address the Final Map and associated Infrastructure. Below are examples of the integration required:
 - a. **Rough Grading** – detailed understanding of construction practices will play a critical role in the preparation of the plans and the geotechnical report. Options for more efficient retaining wall design and construction will heavily influence the development cost.
 - b. **Hydrology and Drainage** – detailed understanding of the local impacts to Serrano Creek coupled with the political aspects of the County Flood Control District and the local resident activist groups will assist in developing drainage solutions that can minimize the project costs while addressing the public / agency concerns.
 - c. **Sewer** – the project sewer outfall requires additional integration into the Baker Treatment Plant expansion as well as integration of both project and treatment plant EIR including a possible addendum to one or both.
 - d. **Construction Integration & Staging Planning** – constructing on a hill side development integrating aspects such as interface for the Baker Treatment Plant, the adjoining properties (existing and proposed), and construction delivery of the project will assist the sale to homebuilders as well as the City for the Civic Center site.

3. Integration of environmental requirements into practical applications for project delivery is significant. Lewis does not solely rely on consultants. Through active management, relationships with regulatory agencies, and innovative solutions, the Lewis team addresses regulatory requirements and minimizes cost and marketing efforts for the project. Examples on Serrano Summit include:
 - a. Addressing artificial wetlands near Civic Center site to minimize mitigation impacts.
 - b. Understanding habitat and biological impacts assists in the development of a minimally intrusive design and thereby mitigation of impacts.
 - c. Understanding land management with technical impacts will create the most effective approach to fuel modification on site and minimize coastal sage habitat take and associated mitigation measures.
 - d. Detailed knowledge of the MS4 Permit allows working closely with the civil engineer and Regional Board to prepare an approvable WQMP that is cost effective and meets regulatory requirements.
 - e. Effective working relationships with Regional Board and the City will provide a practical solution to the Nitrogen and Selenium Working Group relationship required as part of Project Conditions.

4. Creation of the marketing face of the project begins with the development of the appropriate amenities with consideration of a more effective project marketing window to park and club house experiences. Examples of this aspect include:
 - a. Development of the Biscayne Bay entry.
 - b. Marketing window into the site with the landscape entries including the integration of the retaining walls into a project asset rather than a liability.
 - c. Community club house including the right elements to provide the amenities for a current market demand without being burdensome to the future HOA.
 - d. Integrating future public parks into the OC Parks regional trail system and the City park system (addressing Commission concerns with effective solutions)

Phase III Scope of Work

1. Final Map Management
2. Improvement Plans and Reports Management
3. Dry Utility Coordination and Management
4. Construction Phasing and Scheduling
5. Cash Flow Projection Preparation
6. Environmental Permit Coordination
7. SWPPP & WQMP Management

8. Landscape Improvement Plans Management
9. Signage Plan Development
10. Recreational Facilities Concept Development
11. LFTM Fees Management
12. Civic Center Coordination with City of Lake Forest
13. Meetings with IRWD, City of Lake Forest, Landowners, Environmental Agencies, Consultant Development Team
14. Administrative / Accounting Support

Consultant Services Deliverables (Contracted Separately with Lewis Preferred Rate Program)

- Final Map (Ready to Record)
- Grading Plans
- Street Improvement Plans
- Sewer Improvement Plans
- Domestic Water Improvement Plans
- Recycled Water Improvement Plans
- Storm Drain Plans
- SWPPP
- WQMP
- Dry Utility Planning
- Landscape Improvement Plans
- Recreation Plan Concept Development
- Signage Plan Development
- Geotechnical Report

Lewis Services Fees

Lewis Operating Corp. anticipates the project Phase III schedule will require approximately 18 months to prepare the design and permits with the City of Lake Forest and Regulatory Agencies.

The services proposed the Scope of Work are proposed on a Time & Materials basis based on the following hourly rate schedule:

- Executive Staff - \$270 per hour
- Marketing Staff - \$225 per hour
- Engineering Staff - \$200 per hour
- Financial Staff - \$175 per hour

Mr. Rob Jacobson
April 13, 2012
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The right team will provide not just a set of deliverables to simply meet conditions of approval, but will deliver an integrated project that meets development requirements maximizing the value uplift and positions the project for becoming an asset for the community.

Lewis looks forward to further discussing with the Irvine Ranch Water District how the value of over 55 years of building communities can position the Serrano Summit Project to its full potential.

Sincerely,

A handwritten signature in black ink, appearing to read "LS", is written over a horizontal line. To the left of the signature, the letters "FDR" are written in a small, bold font.

Leon Swalls
Chief Operating Officer
Lewis Planned Communities

LS/od