

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

April 24, 2017

PLEDGE OF ALLEGIANCE

CALL TO ORDER

5:00 p.m., Board Room, District Office
15600 Sand Canyon Avenue, Irvine, California

ROLL CALL

Directors LaMar, Matheis, Swan, Withers and President Reinhart

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 three 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:

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

Recommendation: Determine the need to discuss and/or take immediate action on item(s).

WORKSHOP

Resolution No. 2017-10

3. **FISCAL YEAR 2017-18 OPERATING BUDGET AND PROPOSED RATES AND CHARGES**

Res. No. 2017-

Recommendation: That the Board adopt a Resolution by title approving the Operating Budget for Fiscal Year 2017-18 (with Rates and Charges for fiscal year 2017-18 to be adopted on June 26, 2017); and approve the Proposition 218 Notices subject to non-substantive modifications.

CONSENT CALENDAR

Items 4 - 9

4. **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, Peer Swan, Douglas Reinhart and John Withers, as described.

5. **IRVINE RANCH WATER DISTRICT STRATEGIC MEASURES**

Receive and file.

CONSENT CALENDAR (Continued)

Items 4 - 89

6. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the April 10, 2017 Special Board Meeting and the April 10, 2017 Regular Board Meeting be approved as presented.

7. DYER ROAD WELLFIELD WELL NO. 18 REHABILITATION – FINAL ACCEPTANCE

Recommendation: That the Board accept construction of Dyer Road Wellfield No. 18 Rehabilitation, Project 04401, authorize the General Manager to file a Notice of Completion, and authorize the release of retention 35 days after filing the Notice of Completion.

8. MARCH 2017 TREASURY REPORTS

Recommendation: That The Board receive and file the Treasurer's Investment Summary Report, the Monthly Interest Rate Swap Summary for March 2017, and Disclosure Report of Reimbursements to Board members and staff; approve the March 2017 Summary of Payroll ACH payments in the total amount of \$2,544,309 and approve the March 2017 Accounts Payable Disbursement Summary of Warrants 375075 through 376195, Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$74,940,455.

9. 2017 LEGISLATIVE UPDATE

Recommendation: That the Board adopt a "Seek Amendments" position on SB 525 (Dodd) and authorize the District to move to an "Oppose Unless Amended" position on the bill should suitable amendments not be obtained, and adopt an "oppose" position on the budget Trailer Bill related "Water Conservation as a California Way of Life" and authorize the District to move to an "Oppose" position on other legislative proposals inconsistent with the approach outlined in AB 968 (Rubio, D-West Covina) and AB 1654 (Rubio).

ACTION CALENDAR

10. OUT-OF-AREA SERVICE AGREEMENT WITH ORANGE COUNTY SANITATION DISTRICT FOR PORTION OF LAKE FOREST

Recommendation: That the Board authorize the General Manager to execute an Out-of-Area Service Agreement with Orange County Sanitation District for the conveyance of sewage in two portion of IRWD's service area within the City of Lake Forest to Orange County Sanitation District's Jurisdictional boundary, subject to non-substantive changes.

ACTION CALENDAR - Continued

11. IRVINE LAKE PIPELINE NORTH CONVERSION RESERVOIR
CONTRACT CHANGE ORDER

Recommendation: That the Board approve Contract Change Order No. 4 in the amount of \$351,014 and an additional 20 contract days with Pascal & Ludwig for the Irvine Lake Pipeline North Conversion Reservoir, Project 05407.

12. DYER ROAD WELLFIELD SURGE TANKS CONSTRUCTION
PHASE SERVICES CONSULTANT SELECTION

Recommendation: That the Board authorize a budget increase in the amount of \$2,412,900, from \$1,213,300 to \$3,626,200, for Project 05473 and a budget increase in the amount of \$721,900, from \$528,600 to \$1,250,500 for Project 06165; authorize the General Manager to execute a construction contract in the amount of \$3,693,000 with Pascal & Ludwig; and authorize the General Manager to execute a professional services agreement with Tetra Tech for construction phase services in the amount of \$126,000 for the Dyer Road Wellfield Surge Tanks, Projects 05473 and 06165.

13. AMENDMENT NO. 1 TO STOCKDALE INTEGRATED BANKING
PROJECT OPERATING AGREEMENT

Recommendation: That the Board authorize the General Manager to execute Amendment No. 1 to the Agreement for a Water Banking, Recovery and Exchange Program for the Stockdale West and Stockdale East Properties, subject to substantive changes or to substantive changes as approved by the Supply Reliability Programs Committee.

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.

14. A. General Manager's Report
- B. Directors' Comments
- C. Closed Session:
PUBLIC EMPLOYEE APPOINTMENT – Pursuant to Government Code Section 54957(b).
Title: Legal Counsel
- D. Open Session
- E. Adjourn

IRWD Board of Directors' Meeting

April 24, 2017

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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 24, 2017

Prepared by: Christopher Smithson

Submitted by: Cheryl Clary

Approved Paul Cook

WORKSHOP

PROPOSED OPERATING BUDGET AND RATES AND CHARGES FOR FISCAL YEAR 2017-18

SUMMARY:

The proposed Fiscal Year (FY) 2017-18 Operating Budget for Irvine Ranch Water District is \$148.7 million, representing an increase of \$1.7 million, or 1.2%, when compared with the Operating Budget for FY 2016-17.

Rate increases are necessary to provide for cost of service equity. In the Irvine Ranch Rate Area, the proposed adjustment to rates include a low volume increase of \$0.15 per hundred cubic feet (ccf) and a base commodity rate increase of \$0.05 per ccf, with no change per month to the service charge for water and sewer. The Los Alisos Rate Area will be transitioned onto the IRWD rates this year, utilizing a portion of the revenue generated from the future property sale to establish rate parity. The commodity rate-setting methodology continues to utilize the four tiers beginning with a low volume tier, a base rate and two over-allocation tiers.

Based on the recommendation, a typical residential customer within the Irvine Ranch rate area will experience an increase of \$1.10 or 2.2%, from \$51.10 to \$52.20 per month and the average residential customer in the Los Alisos Rate Area who will be transitioning onto the IRWD rate structure this fiscal year, will experience a decrease of \$7.52 or 12.6% from \$59.72 to \$52.20.

The Proposed Operating Budget is attached as Exhibit "A", the proposition 218 notices are attached as Exhibit "B" and the proposed resolution approving the Operating Budget for FY 2017-18 is attached as Exhibit "C". Staff is requesting Board approval of the resolution and the proposition 218 notices (subject to non-substantive changes) in order to affect the new rates that will be effective July 1, 2017.

A draft powerpoint presentation is included as Exhibit "D" as part of a Board Workshop to lead a more detailed discussion.

BACKGROUND:

The Proposed Operating Budget (Exhibit "A") includes the following:

- Projected revenues and expenses, along with the resulting net position in each rate area by system; and
- Changes to current rates and charges necessary to meet each operating systems' revenue requirements.

The proposed Operating Budget has been organized into eight major functional areas, plus separate sections for proposed general plant and labor changes. The proposed budget for FY

2017-18 represents an increase of \$1.7 million over the FY 2016-17 Operating Budget. In addition, staff has budgeted non-operating sources and uses of which the primary drivers are property tax revenues, net income from real estate investments, connection fees paid by developers and interest expense on the District's debt. Total net sources and uses from non-operating sources are estimated to generate an additional net \$66.5 million. Quarterly reporting in FY 2017-18 will include a review of actual versus budget results for operating and non-operating revenue and expenses.

Page 4 of Exhibit "A" identifies the effects of the proposed rate increases for a typical residential customer within the Irvine Ranch Rate Area. The details of the tiered rate structure cost allocations were reviewed at the April 10, 2017 Board Workshop.

Attached as Exhibit "B" are the proposed Proposition 218 notices for the Irvine and Los Alisos Rate Areas. The rate impacts to the Irvine Ranch Rate Area is an increase of 2.2% for the average residential customer, as shown on page 4 of Exhibit "A". The Los Alisos Rate Area, who will be transitioning onto the IRWD rate structure this fiscal year, will experience a decrease of 12.6% as a result of the use of a portion of the proceeds from the property sale to establish rate parity. This will be the last year that the District mails separate notices to the Los Alisos rate area. Staff is recommending that the Board approve the proposed Proposition 218 notices subject to non-substantive changes, whereupon staff will proceed with the mailing of these notices to the District's customer and landowners.

Staff recommends approval of the proposed resolution approving the Operating Budget for FY 2017-18, attached as Exhibit "C".

Proposed Schedule for the Operating Budget and Rates Adoption:

April 24, 2017	Second Board Workshop to adopt the Proposed Operating Budget; Approval of Proposition 218 Notices for Customers
May 5, 2017	Mail the Proposition 218 Notices to Customers
June 23, 2017	Tabulate Responses
June 26, 2017	Board Meeting- Public hearing to review Proposition 218 responses and adopt Rates and Charges for FY 2017-18

FISCAL IMPACTS:

Planned operating expenses in the FY 2017-18 Proposed Operating Budget reflect an increase of \$1.7 million from the adopted Operating Budget for FY 2016-17.

It is expected that the proposed rates will result in a contribution to the enhancement and replacement funds of approximately \$28.6 million for the water and sewer/recycled systems.

COMMITTEE STATUS:

The Committee previously reviewed the Budget and assumptions at its Finance and Personnel Committee meetings on March 7, 2017 and April 4, 2017 and at a Special Finance and Personnel

Committee meeting on March 23, 2017.

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 2017-18 (WITH RATES AND CHARGES FOR FISCAL YEAR 2017-18 TO BE ADOPTED ON JUNE 26, 2017); AND APPROVE THE PROPOSITION 218 NOTICES SUBJECT TO NON-SUBSTANTIVE MODIFICATIONS.

RESOLUTION NO. 2017 –

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT,
ORANGE COUNTY, CALIFORNIA
APPROVING DISTRICT'S OPERATING BUDGET FOR
FISCAL YEAR 2017-18 AND DETERMINING COMPLIANCE WITH
ARTICLE XIII B OF THE CALIFORNIA CONSTITUTION

LIST OF EXHIBITS:

- Exhibit "A" – Proposed Operating Budget Draft for Fiscal Year 2017-18
- Exhibit "B" – Proposed Proposition 218 Notices
- Exhibit "C" – Resolution
- Exhibit "D" – Draft PowerPoint Presentation

EXHIBIT "A"

***IRVINE RANCH WATER DISTRICT
OPERATING BUDGET
FISCAL YEAR 2017-18***



Irvine Ranch
WATER DISTRICT

“PROPOSED”

April 24, 2017



OPERATING BUDGET

Assumptions as of April 24, 2017 *Fiscal Year 2017-18*

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 several years, the District's operating budget has aggressively pursued 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. Pass through rate increases from outside agencies this year were partially offset by reductions in the cost of purchased water associated with a full year operation of the Baker Water Treatment Plant in FY 20-17-18. The FY 2017-18 recommended rate increase is primarily associated pass through rate increases from outside agencies.

This document is a preliminary summary of the major assumptions driving the development of the operating budget for FY 2017-18 for input by the Finance and Personnel Committee and the Board.

I. REVENUES

Growth Estimates:

Residential development growth included both apartments and single family homes for FY 2017-18. The unit estimate is based on the most current projections received from the major developers throughout the service area. Current estimates identify approximately 3,400 mixed units coming on line in FY 2017-18. As a result, the growth factor for residential development was estimated at 2.0% for FY 2017-18.

The District experienced an increase in commercial volume which is helping to meet a return of the previously lost revenue due to the economy. Current development projections for the commercial/industrial sector identify 118 acres of development occurring in FY 2017-18 as well as 98 acres developing in the current fiscal year. Staff included a 2% growth rate for commercial and industrial development for FY 2017-18. Revenue assumptions used to estimate sewer revenue match the assumptions included for potable water.

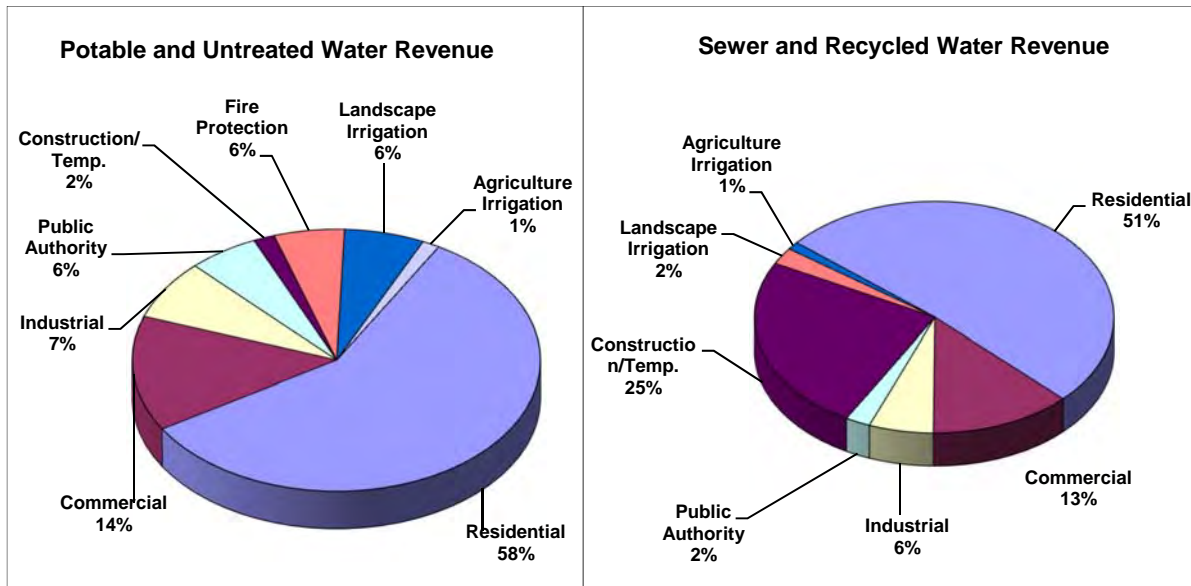


OPERATING BUDGET

*Assumptions as of April 24, 2017
Fiscal Year 2017-18*

FY 2017-18 Estimate for Operating Revenue Sources, by Customer Type (in thousands):

Customer Type	Potable	Sewer	Recycled	Total
Residential	\$ 43,233	\$ 36,799	\$ 630	\$ 80,662
Commercial	10,583	8,671	649	19,903
Industrial	5,504	4,150	72	9,726
Public Authority	4,160	1,640	0	5,800
Construction/Temp.	1,240		798	2,038
Fire Protection	4,172		0	4,172
Landscape Irrigation	4,728		17,910	22,638
Agriculture Irrigation	1,029		1,704	2,733
Over Allocation	8,326		805	9,131
Non Rate Generated	0	520	0	520
Total	\$ 82,975	\$ 51,780	\$ 22,568	\$ 157,323



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 84% of the total operating revenues for both water and sewer.



OPERATING BUDGET

Assumptions as of April 24, 2017
Fiscal Year 2017-18

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
- Recycled Water Conversion Loan payments

II. OPERATING EXPENSES

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

A. Treated Water

The District continues to make efforts to do its part in encouraging its customers to conserve even though the area received significant rainfall during the past winter season. The District intends to continue encouraging conservation through its rate structure, which provides an incentive for customers to limit water use to their base allocation and customers have responded well to this messaging.

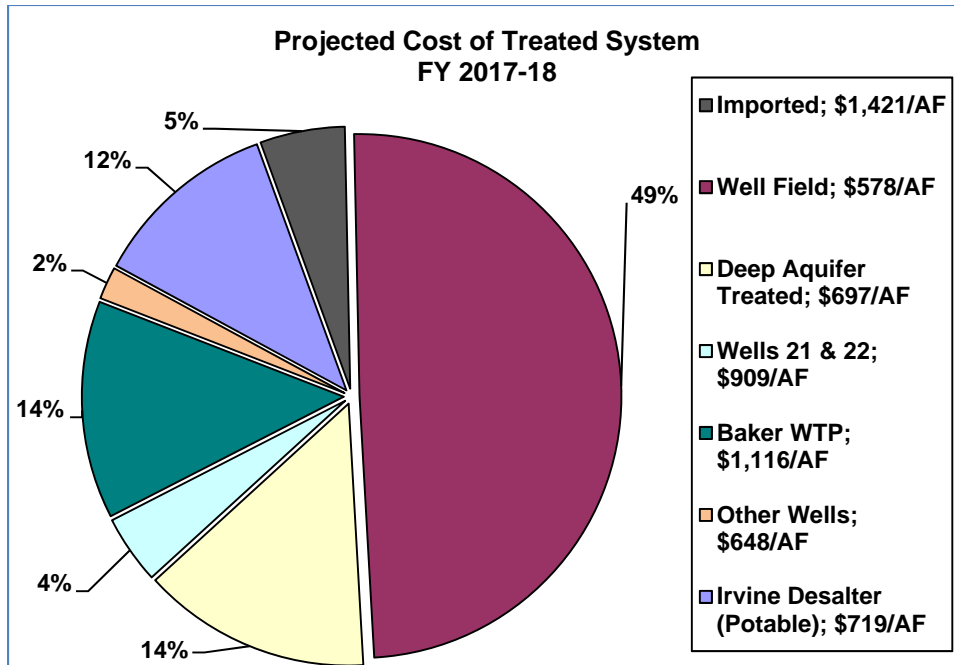
The FY 2017-18 budget anticipates no increase in use from FY 2016-17. The assumption is for a normal year of rainfall, consistent with the assumption last year. The District is projecting potable and untreated sales for FY 2017-18 to be 54,340 acre feet (AF), as compared to a budget of 54,385 AF in the prior year.

The sources used to meet potable sales, their respective cost per AF, inclusive of labor, electricity, chemicals, etc., and their respective share of the total water purchased are identified in the graph:



OPERATING BUDGET

*Assumptions as of April 24, 2017
Fiscal Year 2017-18*



Groundwater Production

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

- The Replenishment Assessment (RA) in FY 2016-17 was \$400 per AF and the rate used in FY 2017-18 is \$445 per AF, an increase of 11%. The District’s basin production percentage (BPP) is set at a maximum of 70%, per the OCWD / IRWD Annexation Agreement executed in 2013.
- The Dyer Road Well Field (DRWF) pumping costs:
 - Actual energy usage will be factored with a rate increase of 6%.
 - Chemical expense is relatively flat.
- Primary changes in costs include a \$45 per AF estimated rate increase for RA for the Irvine Desalter Project (IDP), the Potable Treatment Plant (PTP), and the Deep Aquifer Treatment System (DATS).

Treated Water – Metropolitan Water District (MWD) and Municipal Water District of Orange County (MWDOC)

- MWD is expected to increase its treated and untreated rates again on January 1, 2018 by 4%.
- Staff assumes no substantial change to the costs associated with the IRWD Reservoir Management Systems.
- Los Alisos customers will be merged into the Irvine Ranch rate area effective July 1, 2017. Rate parity will be established through the use of a sinking fund by the sale of property initially contributed to the District which the District has then added significant value to by the recording of significant entitlements including the soon to be recorded final tract map.



OPERATING BUDGET

Assumptions as of April 24, 2017 Fiscal Year 2017-18

Untreated Water

The sources for untreated water for FY 2017-18 will include purchased water.

- MWDOC purchases, Native Water and SAC water is expected to be used to meet all untreated demands. MWDOC purchases have significantly decreased as a result of a full year operation of the Baker Water Treatment Plant. Due to the rainfall in FY 2016-17, native water is expected to increase from 1,000 AF to 3,827 AF.
- Any MWDOC rate increases discussed above also apply to purchases for the untreated system.

B. Recycled Water

Customer demands for the recycled system will increase slightly from the prior year due primarily to customer usage. Total recycled demand is estimated at 28,364 AF, an increase of 1,360 AF from the FY 2016-17 budget. Sources are as follows:

- Production and storage generated from operations at the Michelson Water Recycling Plant (MWRP) and Los Alisos Water Recycling Plant (LAWRP) are expected to provide 22,300 AF.
- The Irvine Desalter will provide 3,540 AF net of water lost through treatment.
- The recycled water system is expected to purchase 3,091 acre-feet of supplemental water from the untreated system.

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 projected 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 projected forward on a month by month basis.
 - In December, a COLA and promotional factor are applied to all salaries - Assumed at 2.0% and 0.9%, respectively.
 - Although staffing is below the current budget, staff anticipates all positions being occupied by FY 2016-17.

Regular Salaries and Wages	
FY 2016-17	\$31,258
New positions	723
COLA	453
Merit/Other	421
FY 2017-18	\$32,855



OPERATING BUDGET

Assumptions as of April 24, 2017 Fiscal Year 2017-18

The following table identifies the current and proposed contribution of the District toward employee benefits.

Additional Contributions Provided by the District		
	FY 16-17	FY 17-18
PERS Employer Contribution	19.3%	19.3%
PERS in Excess of ARC	<u>5.7%</u>	<u>5.7%</u>
Combined Total	25.0%	25.0%
District Direct 401A Match	0.2%	0.3%
401A Matching Contribution of 3%	2.3%	2.3%

III. USE OF OTHER FUNDS

A. Over Allocation Revenue

Over allocation revenue is used to offset the following expenses:

- o The cost associated with additional imported water purchases;
- o Customers who receive the \$2 low volume capacity rebate on the fixed service charge;
- o Budgeted conservation expenses; and
- o Urban runoff (NTS) and San Joaquin Marsh maintenance expenses.

Total conservation expense is expected to meet over allocation revenue in FY 2017-18. The conservation fund is projected to be approximately \$10.0 million at the end of FY 2017-18.

B. Enhancement Fund User Rate Component

The current enhancement fund contribution for both the water and sewer system for FY 2016-17 was a combined \$1.45 per month (\$0.70 for water and \$0.82 for sewer) for the average residential customer. There was no increase was built into these rates for FY 2017-18. It is estimated that the fund balance will be approximately \$30.0 million at the end of FY 2017-18.

C. Replacement Fund User Rate Component

The current replacement water service charge is \$2.10. The sewer service charge is \$9.31 per month for the average residential customer in FY 2017-18, no increase from the prior year. It is estimated that the fund balance will be approximately \$200 million as of the end of FY 2017-18. It is expected that the 4 years of increased funding totaling \$3.00 per month per customer will adequately cover the cost of debt associated with the project.

IRVINE RANCH WATER DISTRICT
CONSOLIDATED OPERATING BUDGET FOR ALL DEPARTMENTS FY 2017-18
(in thousands)

Expense Category / Name		2015-16 Actual	2016-17 YTD 12/31/16	2016-17 Original Budget	2017-18 Proposed Budget	Incr/(Decr)	%
Salaries & Benefits	Regular Labor	\$26,123	\$13,309	\$31,258	\$32,855	\$1,597	5.1%
	Overtime Labor	1,787	936	1,758	2,037	279	15.9%
	Contract Labor	2,675	823	1,347	1,470	123	9.1%
	Employee Benefits	7,787	4,226	16,938	17,366	428	2.5%
Salaries & Benefits Total		\$38,372	\$19,294	\$51,300	\$53,727	\$2,427	4.7%
Water & Utilities	Water	29,028	18,699	36,234	35,287	(948)	-2.6%
	Electricity	11,794	6,122	14,829	14,631	(198)	-1.3%
	Fuel	505	273	566	627	61	10.8%
	Telecommunication	527	257	502	566	65	12.9%
	Other Utilities	158	72	178	171	(7)	-4.0%
Water & Utilities Total		\$42,012	\$25,423	\$52,309	\$51,282	(\$1,027)	-2.0%
Materials & Supplies	Chemicals	2,101	1,105	3,133	3,074	(60)	-1.9%
	Operating Supplies	757	460	1,478	1,475	(2)	-0.2%
	Printing	211	69	265	276	12	4.4%
	Postage	596	286	579	594	15	2.7%
	Permits, Licenses and Fees	723	931	1,219	1,797	578	47.4%
	Office Supplies	77	37	128	109	(19)	-14.8%
	Duplicating Equipment	188	89	225	192	(33)	-14.7%
Equipment Rental	85	30	129	114	(15)	-11.6%	
Materials & Supplies Total		\$4,739	\$3,007	\$7,156	\$7,632	\$476	6.7%
Professional Services	Rep & Maint OCSD & Other	15,744	7,120	14,400	13,852	(548)	-3.8%
	Rep & Maint IRWD	7,531	3,675	8,726	9,683	957	11.0%
	Insurance	781	499	1,004	1,021	17	1.7%
	Legal Fees	479	647	455	1,565	1,110	244.0%
	Engineering Fees	520	217	736	980	244	33.1%
	Accounting Fees	79	86	95	95	0	0.0%
	Data Processing	2,980	1,642	3,027	2,898	(130)	-4.3%
	Personnel Training	795	394	1,101	1,225	124	11.2%
	Personnel Physicals	27	15	51	51	0	0.0%
	Other Professional Fees	3,115	1,173	4,393	4,229	(164)	-3.7%
Directors' Fees	140	72	156	168	12	7.7%	
Professional Services Total		\$32,190	\$15,543	\$34,144	\$35,766	\$1,622	4.8%
Other	Mileage Reimbursement	165	82	132	140	8	6.0%
	Collection Fees	12	1	21	12	(9)	-42.9%
	Election Expense	30	110	145	145	0	0.0%
	Safety	157	42	83	108	25	29.8%
	Alarm and Patrol Services	113	36	170	520	350	205.9%
	Biosolids Disposals	113	59	374	246	(128)	-34.1%
	Commuter Program	141	59	156	156	0	0.0%
	Computer Backup Storage	25	6	24	12	(12)	-50.0%
	Contract Meter Reading	1,319	673	1,350	1,390	40	3.0%
	Other	30	0	12	12	0	0.0%
Conservation	2,294	(645)	2,965	2,012	(953)	-32.1%	
Other Total		\$4,398	\$425	\$5,432	\$4,753	(\$679)	-12.5%
TOTAL		\$121,712	\$63,692	\$150,341	\$153,161	\$2,820	1.9%
Less: Reimbursement from Baker Partners				(3,408)	(4,498)	(1,090)	
Grand Total		\$121,712	\$63,692	\$146,933	\$148,663	\$1,730	1.2%



REVENUES AND EXPENSES BY SYSTEM

(in thousands)

	<u>Water</u>	<u>Sewer</u>	<u>Recycled</u>	<u>Consolidated</u>
Revenue:				
Commodity	\$ 41,013	\$ -	\$ 15,132	\$ 56,145
Service	33,636	51,780	6,631	92,047
Over Allocation	\$8,326	-	805	9,131
Rate Stabilization	-	-	-	-
Total Revenues	<u>\$ 82,975</u>	<u>\$ 51,780</u>	<u>\$ 22,568</u>	<u>\$ 157,323</u>
Contribution to Enhancement and Replacement Funds	(8,474)	(18,991)	(1,120)	(28,586)
Net Revenues	<u>\$ 74,501</u>	<u>\$ 32,789</u>	<u>\$ 21,448</u>	<u>\$ 128,737</u>
Expenses:				
Cost of Water	\$ 43,120	\$ -	\$ 9,190	\$ 52,310
Operations	11,098	11,284	6,838	29,219
Water Banking	-	-	-	-
OCSD - O&M	-	12,580	-	12,580
<i>Total Direct</i>	<u>\$ 54,218</u>	<u>\$ 23,863</u>	<u>\$ 16,028</u>	<u>\$ 94,109</u>
Customer Records and Collections	2,435	1,107	885	4,427
General & Admin Expense	8,899	7,087	3,445	19,431
<i>Total Indirect</i>	<u>\$ 11,334</u>	<u>\$ 8,194</u>	<u>\$ 4,330</u>	<u>\$ 23,858</u>
General Plant	623	732	284	1,639
Marsh/NTS/Conservation	8,326	-	805	9,131
Total Expenses	<u>\$ 74,501</u>	<u>\$ 32,789</u>	<u>\$ 21,447</u>	<u>\$ 128,737</u>
Net Operating Position	<u><u>\$ 0</u></u>	<u><u>\$ 0</u></u>	<u><u>\$ 0</u></u>	<u><u>\$ 0</u></u>



NON-OPERATING

SUMMARY OF SOURCES AND USES

(in thousands)

	<u>FY 2016-17</u>	<u>FY 2017-18</u>	<u>Change</u>
Non-operating Revenue:			
Property Taxes	\$47,689	\$52,500	\$4,811
Investment Income	2,686	4,200	1,514
Connection Fees	22,000	26,000	4,000
Real Estate Income	12,954	13,400	446
Other Income	6,500	8,000	1,500
Total Revenue	<u>\$91,829</u>	<u>\$104,100</u>	<u>\$12,271</u>
Non-operating Expenses:			
Interest Expense	\$24,606	\$28,300	\$3,694
Real Estate Expense	6,834	7,300	466
Other Expenses	1,000	2,000	1,000
Total Expense	<u>\$32,440</u>	<u>\$37,600</u>	<u>\$5,160</u>
Net Sources & Uses	<u><u>\$59,389</u></u>	<u><u>\$66,500</u></u>	<u><u>\$7,111</u></u>



CURRENT AND PROPOSED RESIDENTIAL RATES

Before Rate Adjustment:	Irvine Ranch	
	Potable	Wastewater
Current Residential Rates:	Water (1)	Sewer (2)
Low Volume	\$1.21	
Commodity Rate	\$1.65	
Residential Service	\$10.30	\$23.20
Operations	\$7.50	\$13.07
Replacements	\$2.10	\$9.31
Enhancements	\$0.70	\$0.82
Total Service Charge	\$10.30	\$23.20
Commodity (12 ccf's)	\$17.60	
Current Monthly	\$51.10	
Proposed Residential Rate Adjustment:		
Low Volume	\$1.36	12%
Base Commodity Rate	\$1.70	3%
Operations	\$7.50	\$13.07
Replacements	\$2.10	\$9.31
Enhancements	\$0.70	\$0.82
Total Service Charge	\$10.30	\$23.20
Commodity (12 ccf's)	\$18.70	
Proposed Monthly	\$52.20	
Current Monthly	\$51.10	
Difference	\$1.10	
Change %	2.2%	

- (1) Water - District Average usage assumes 12 ccf's per month.
- (2) Sewer - District average usage assumes 6-10 ccf for lowest 3 months.



POTABLE REVENUE

BUDGETED REVENUE SUMMARY BY SYSTEM

<i>(in thousands)</i>	<u>FY 2016-17</u>	<u>Usage Change</u>	<u>Proposed Rate Inc.</u>	<u>FY 2017-18</u>
Water				
Service	\$ 23,517	\$ (215)	\$ -	\$ 23,302
Enhancement	2,077	84	-	2,161
Replacement	6,231	82	-	6,313
Pumping Surcharge	775	(28)	-	747
Miscellaneous	975	138	-	1,113
Commodity	41,832	(1,620)	801	41,013
Over Allocation Revenue/Fund	10,092	(1,802)	36	8,326
Rate Stabilization / Non Rate Generated	-	-	-	-
	<u>\$ 85,499</u>	<u>\$ (3,361)</u>	<u>\$ 837</u>	<u>\$ 82,975</u>
AF Sales	54,385			54,340
User Type				
Residential	\$ 42,525	\$ (62)	\$ 770	\$ 43,233
Commercial	12,144	(1,683)	122	10,583
Industrial	5,011	390	103	5,504
Public Authority	3,659	433	68	4,160
Construction/Temp.	1,280	(40)	-	1,240
Fire Protection	4,263	(91)	-	4,172
Landscape Irrigation	5,006	(211)	(67)	4,728
Agriculture Irrigation	1,519	(295)	(195)	1,029
Over Allocation Revenue	10,092	(1,802)	36	8,326
Rate Stabilization / Non Rate Generated	-	-	-	-
	<u>\$ 85,499</u>	<u>\$ (3,361)</u>	<u>\$ 837</u>	<u>\$ 82,975</u>



SEWER REVENUE

BUDGETED REVENUE SUMMARY BY SYSTEM

<i>(in thousands)</i>	<u>FY 2016-17</u>	<u>Usage Change</u>	<u>Proposed Rate Inc.</u>	<u>FY 2017-18</u>
Sewer				
Service	\$ 31,114	\$ 826	\$ -	\$ 31,940
Enhancement	1,332	51	-	1,383
Replacement	17,287	321	-	17,608
Miscellaneous	430	(101)	-	329
Reimbursements	520	-	-	520
Rate Stabilization	551	(551)	-	-
	<u>\$ 51,234</u>	<u>\$ 546</u>	<u>\$ -</u>	<u>\$ 51,780</u>
User Type				
Residential	\$ 36,347	\$ 452	\$ -	\$ 36,799
Commercial	8,670	1	-	8,671
Industrial	3,569	581	-	4,150
Public Authority	1,577	63	-	1,640
Reimbursements	520	-	-	520
Rate Stabilization	551	(551)	-	-
	<u>\$ 51,234</u>	<u>\$ 546</u>	<u>\$ -</u>	<u>\$ 51,780</u>



RECYCLED REVENUE

BUDGETED REVENUE SUMMARY BY SYSTEM

<i>(in thousands)</i>	<u>FY 2016-17</u>	<u>Usage Change</u>	<u>Proposed Rate Inc.</u>	<u>FY 2017-18</u>
Recycled				
Service	\$ 4,784	\$ 479	\$ -	\$ 5,263
Enhancement	341	9	-	350
Replacement	748	22	-	770
Pumping Surcharge	446	(198)	-	248
Commodity	15,353	887	(1,108)	15,132
Over Allocation Revenue	1,929	(1,124)	-	805
Rate Stabilization	300	(300)	-	-
	<u>\$ 23,901</u>	<u>\$ (225)</u>	<u>\$ (1,108)</u>	<u>\$ 22,568</u>
AF	27,004			28,364
User Type				
Residential	\$ 1,134	\$ (428)	\$ (76)	\$ 630
Commercial	409	258	(18)	649
Industrial	40	32	-	72
Public Authority	-	-	-	-
Landscape Irrigation	19,531	(832)	(789)	17,910
Recycled Loans	-	-	-	-
Agriculture Irrigation	-	1,929	(225)	1,704
Construction/Temp.	557	241	-	798
Over Allocation Revenue	1,929	(1,124)	-	805
Rate Stabilization	300	(300)	-	-
	<u>\$ 23,901</u>	<u>\$ (225)</u>	<u>\$ (1,108)</u>	<u>\$ 22,568</u>



COST OF WATER

BUDGETED COST OF WATER

<i>(in thousands)</i>	FY 2016-17			FY 2017-18			Change	
	Acre Feet	Total	Cost / AF	Acre Feet	Total	Cost / AF	Acre Feet	Total
<u>TREATED</u>								
Purchased from MWDOC	7,755	\$ 9,397	\$1,212	2,960	\$ 4,207	\$1,421	(4,795)	\$ (5,190)
Dyer Road Well Field	27,680	14,238	\$514	28,000	16,176	\$578	320	1,938
Other Wells	650	402	\$618	700	454	\$648	50	52
Deep Aquifer Treatment System	7,680	5,301	\$690	8,000	5,576	\$697	320	275
Lost to Production (2%)	(154)			(160)			(6)	
Wells 21 & 22 Desalter	2,400	2,432	\$1,013	2,400	2,181	\$909	-	(251)
Lost to Production (15%)	(360)			(360)			-	
Irvine Desalter Project	4,644	3,611	\$778	6,540	4,702	\$719	1,896	1,091
Lost to Production (15%)	(697)			(981)			(284)	
Baker WTP	5,783	5,338	\$923	7,611	\$ 8,497	\$1,116	1,828	3,159
LA Well Water	432			432	39	\$90	-	39
Total Shrinkage	(3,309)			(2,626)			683	
Total Irvine Ranch Potable	52,504	\$ 40,719		52,516	\$ 41,831		12	\$ 1,112
<u>UNTREATED</u>								
Purchased from MWDOC	4,103	\$ 2,921	\$712	1,000	\$ 841	\$841	(3,103)	\$ (2,080)
Native Water	1,000	212	\$212	3,827	811	\$212	2,827	599
Santiago Aqueduct Commission	264	195	\$739	175	148	\$843	(89)	(47)
Transfer to RW System	(3,402)	(2,109)	\$620	(3,091)	(2,009)	\$650	311	100
Total Shrinkage	(84)			(87)			(3)	
Total Untreated	1,881	\$ 1,219		1,824	\$ (209)		(57)	\$ (1,428)
Total Potable and Untreated	54,385	\$ 41,938		54,340	\$ 41,623		(45)	\$ (315)

Assumptions:

OCWD - replenishment assessment - \$445/acre foot.

MWDOC - Includes identified increases that will be effective January 1, 2018 from MWD.



COST OF WATER

BUDGETED COST OF RECYCLED WATER

<i>(in thousands)</i>	FY 2016-17			FY 2017-18			Change	
	Acre Feet	Total	Cost / AF	Acre Feet	Total	Cost / AF	Acre Feet	Total
Groundwater	0	\$ -	\$ -	-	\$ -	\$ -	-	\$ -
Irvine Desalter Project	4,165	2,724	\$654	4,165	2,904	\$697	-	180
Lost to Production	(625)			(625)			-	
MWRP / LAWRP Production	22,300	4,983	\$223	22,300	4,919	\$221	-	(64)
Transfer from Untreated System	3,402	2,109	\$620	3,091	2,009	\$650	(310)	(100)
<i>Total Shrinkage</i>	(2,238)			(567)			1,671	
Total Recycled	<u>27,004</u>	<u>\$ 9,816</u>		<u>28,364</u>	<u>\$ 9,832</u>		<u>1,360</u>	<u>\$ 16</u>
Total Cost of Water for Billed Usage	<u>81,389</u>	<u>\$ 51,754</u>		<u>82,704</u>	<u>\$ 51,455</u>		<u>1,316</u>	<u>\$ (299)</u>

Assumptions:

OCWD - replenishment assessment - \$445/acre foot.

MWDOC - Includes identified increases that will be effective January 1, 2018 from MWD.



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

Program Description

The General Manager's Office implements the policies established and direction provided by the Board of Directors and, in so doing, provides overall direction to staff to complete that effort. The office also includes Government Relations which develops and advocates 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. The Government Relations staff represents IRWD's policies and provides technical expertise to the legislative process, particularly on issues of water recycling, water use efficiency, water rates, water supply reliability and governance, among others.

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;
- Promotes beneficial inter-governmental relations;
- Manages and coordinates the legal resources utilized by the District;
- 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 the District's strategic vision for all departments. On January 13, 2017, staff reviewed the 2017 Goals and Target Activities with the Board. The Goals and Target Activities described below reflect the *Strategic Objectives*, as well as the *Mission, Vision and Values* of Irvine Ranch Water District as adopted by the Board. The Goals (numbered) and the Target Activities (lettered) approved for calendar year 2017 are summarized as follows:

Major Goals

1. Optimize and protect local water supply utilization
 - a. Update and implement near-term recommendations from 2014 Groundwater Work Plan



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

- b. Prepare sensitivity analysis update to water supply reliability study
 - c. Select preferred alternative and begin feasibility study to repair or replace the Irvine Lake Outlet Tower
 - d. Coordinate / collaborate with Orange County Water District (OCWD) on South Basin Clean-up Project
 - e. Investigate opportunities for brine recovery for potable uses
 - f. Work with OCWD on Green Acres Project water supply opportunities
 - g. Explore local indirect potable reuse (IRP) opportunities for aquifer and surface water storage within IRWD
2. Evaluate and invest in projects and programs that will enhance future long-term water supply reliability
 - a. Identify and procure property with high priority water rights
 - b. Implement agreements with Metropolitan Water District of Southern California (MWD) and Municipal Water District of Orange County (MWDOC) that will provide water supply reliability from high priority water rights during periods of drought and supply interruptions
 - c. Advocate methods for filling the Orange County Groundwater Basin
3. Bank 90,000 AF of water for IRWD, develop 70 cfs of extraction and additional recharge and storage capacity as needed for IRWD and water banking partners
 - a. Execute long-term unbalanced exchange agreements for Stockdale
 - b. Execute long-term exchange agreement to maximize benefits of non-State Water Project water
 - c. Construct Drought Relief Project recovery and conveyance facilities
 - d. Develop Framework for water banking participation by Orange County Agencies
 - e. Identify and secure additional land as needed for recharge and recovery facilities
 - f. Construct Stockdale recovery facilities
4. Minimize discharge of recyclable water to the ocean
 - a. Complete construction of Irvine Lake Pipeline North Conversion
 - b. Convert University of California, Irvine (UCI) Cooling Towers and other projects to recycled water for minimum potable water savings of 250 AF per year
 - c. Include IRWD's recycled water demands in OCWD's total water demand calculations
 - d. Update Sewage Treatment Master Plan, including consideration of Irvine Business Complex flows
 - e. Update the Salt Management Plan – Impacts of Seawater Desalination and other issues
 - f. Perform CEQA, alternatives analysis and preliminary design for the Syphon Reservoir Expansion



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

- g. Prepare preliminary design for diverting Shallow Groundwater Unit discharge into the sewer system
- 5. Maximize resource recovery from fully functional biosolids and other resource recovery facilities
 - a. Biosolids Facilities operational
 - b. Complete marketing plan for beneficial use(s) of pellets
 - c. Develop partnerships with other agencies to utilize surplus capacity
 - d. Evaluate process and schedule to introduce fats, oils and greases (FOG) to Biosolids Facilities
- 6. Improve electric service reliability, manage demands, and control costs
 - a. Develop program to maximize generation of renewable energy through food waste addition
 - b. Secure funding from Southern California Edison (SCE) for water conservation programs in high energy intensive areas identified through Embedded Energy Program
 - c. Pursue applications for IRWD to participate in SCE's Direct Access Program
 - d. Implement Energy Storage Projects
 - e. Prepare SCE/IRWD Phase 1 Status Report for Preferred Resource Pilot Program and prioritize next steps to further reduce peak demands
 - f. Collaborate on the development of micro-grid technologies through a partnership with UCI
 - g. Evaluate site constraints and requirements for photovoltaic installation and energy storage at the Baker Water Treatment Plant
 - h. Implement steps to outsource operation and maintenance of biogas treatment and micro-turbine systems
- 7. Maximize watershed protection
 - a. Explore potential conversion of some natural treatment system sites to infiltrate dry weather flows
 - b. Facilitate discussions with the County of Orange to identify facilities for potential cost effective recycled water recharge and storm water infiltration
 - c. Work with the County and others on Selenium total maximum daily limit (TMDL) offset trading program
 - d. Identify projects and partners to qualify for Measure M Funding
 - e. Evaluate customer Fats, Oils and Grease (FOG) and Pre-treatment programs including assessment of implementation, billing and program requirements
 - f. Complete Local Limits Study and obtain regulatory approvals
 - g. Continue to work with OC Flood to ensure appropriate capacity in San Diego Creek
 - h. Evaluate silt removal from San Joaquin Marsh Ponds



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

8. Ensure financial and rate stability
 - a. Complete environmental and final map approval process for IRWD's Serrano Summit property
 - b. Develop plan to invest revenue generated by the Lake Forest property; establish rate parity for IRWD Lake Forest customers
 - c. Evaluate development opportunities at other IRWD properties
 - d. Complete plans, permitting, development and leasing on remaining Sand Canyon campus and other facilities
 - e. Update the Replacement Planning Model
 - f. Develop a Cost of Service Study for the IRWD sewer system that includes the Biosolids Project operating
 - g. Develop IRWD debt policy

9. Identify, assess and implement new technologies and systems to improve operating efficiency
 - a. Complete the Implementation of Part 1 of Phase 2 of the Enterprise Asset Management System
 - b. Document outstanding deed, access and other contractual restrictions related to real property
 - c. Implement the Operations Database Management System
 - d. Simplify and optimize financial module to incorporate new Infrastructure District structure and project management
 - e. Implement findings of IT-related existing/new technology opportunity assessment while maintaining District security
 - f. Implement Process Development Steering Committee to identify operational process improvements and explore new technologies

10. Enhance customer communications
 - a. Enhance customer communication through an improved customer web access portal
 - b. Develop and implement new water efficiency outreach program
 - c. Implement redesigned customer bill to improve customers' understanding of IRWD rate structure
 - d. Enhance water supply reliability outreach program
 - e. Investigate development of an IRWD customer app

11. Maximize water use efficiency in the community
 - a. Update Water Shortage Contingency Plan based on new State regulations
 - b. Evaluate water use efficiency programs and Water Use Efficiency Plan
 - c. Broadcast guide for implementing budget-based rate structures



GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

- d. Review current approach to water loss management, best practices, and compliance with new regulations
 - e. Evaluate remote meter monitoring program opportunities
 - f. Evaluate water efficiency programs
 - g. Develop automated methodologies for quantifying irrigated areas and meter locations
12. Recruit, develop and retain a highly skilled, motivated, and educated work force
- a. Implement NeoGov performance evaluation on-line system
 - b. Work with Employee Development Task Force to develop and implement a staff mentoring program
 - c. Develop employee cross training and job rotation guidelines
 - d. Develop a safety training database and two-year staff training plan based on the needs of the District
 - e. Evaluate improvements to IRWD standby / first responder systems
 - f. Evaluate future building space planning needs
13. Guide and lead local, state and federal policies and legislation
- a. Engage productively in legislative discussions regarding the development of a long-term conservation framework for California and related legislation
 - b. Advocate for legislation that protects local investments in water recycling and extraordinary supplies, and protects IRWD's ability to access those supplies, without penalty, during times of drought or shortage
 - c. Participate in the coalition(s) opposing legislative mandates to eliminate ocean discharges and seeking legislation to further indirect and direct potable reuse in California
 - d. Engage in discussions surrounding water and wastewater infrastructure financing including discussion related to Proposition 218 reforms consistent with Board direction
 - e. Provide input to the legislature and administration on developing water markets in California
 - f. Promote policies that encourage energy reliability and efficiency in the water industry
14. Engage and shape policies and regulations put forth by local, state and federal agencies
- a. Provide input to the State Water Resources Control Board on extensions of the statewide drought regulations
 - b. Provide input to the State Water Resources Control Board on revisions to the Mercury Policy
 - c. Seek regulatory changes promoting recycled water use in decorative lakes
 - d. Promote a "fit for purpose" approach to regulation of recycled water for both potable and non-potable uses

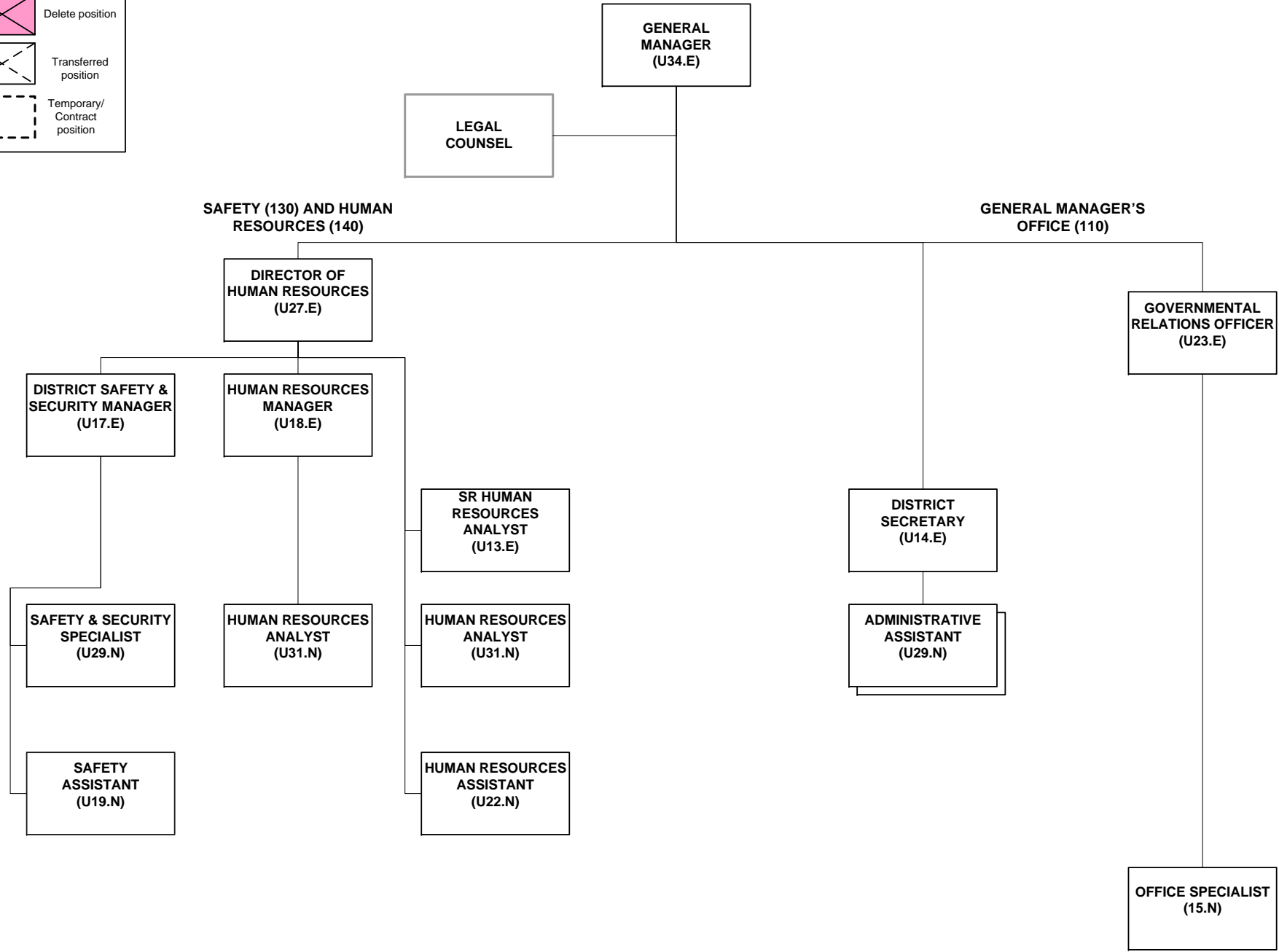
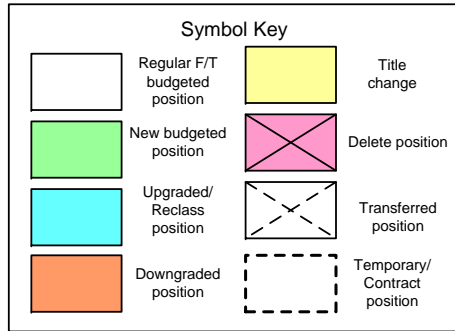


GENERAL MANAGER'S OFFICE

OPERATING BUDGET SUMMARY

- e. Promote policies and regulations that will improve air quality and allow efficient operation of District facilities and equipment
15. Increase collaboration with other agencies and entities through leadership and innovation
- a. Update South Orange County water supply reliability policy
 - b. Advocate for IRWD's Desalination Policy Principles
 - c. Evaluate and promote opportunities for shared services such as third party billing for UC Irvine
 - d. Participate as leaders in industry associations
 - e. Advocate for regional Indirect Potable Reuse (IPR) and direct potable reuse projects including Metropolitan's Carson Regional IPR Project
 - f. Evaluate opportunities for reliability sharing including Irvine Lake and updating the Irvine Lake agreement
 - g. Evaluate opportunities to update South County Emergency Interconnect Agreement
 - h. Work with other agencies to maximize Orange County benefits from Integrated Regional Water Management processes, including capture of urban runoff by Orange County Sanitation District (OCSD) for use in Groundwater Replenishment System (GWRS)
 - i. Participate in the water efficiency data collaborative program
 - j. Work with OCSD to identify mutually beneficial opportunities for use of IRWD sewer flows
16. Evaluate opportunities that enhance safety and emergency preparedness throughout the District
- a. Implement facility security assessment starting with Michelson Water Recycling Plant (MWRP)
 - b. Design improvements to eliminate the use of chlorine gas at Preliminary Disinfection Facility
 - c. Update District Emergency Plan, including training for certain high-risk scenarios

**IRVINE RANCH WATER DISTRICT
ADMINISTRATION
FISCAL YEAR 2017-18**



Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Administration		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>General Managers Office</u>						
110	Regular Labor	558,472	346,928	730,950	754,188	23,238
110	Overtime Labor	271	0	1,000	0	(1,000)
110	Contract Labor	2,334	0	0	0	0
110	Operating Supplies	136	64	0	0	0
110	Printing	4,921	(150)	10,000	8,000	(2,000)
110	Postage	30	118	100	100	0
110	Permits, Licenses and Fees	83,610	64,793	84,500	37,500	(47,000)
110	Office Supplies	4,197	1,970	4,000	4,000	0
110	Legal Fees	339,888	503,259	360,000	1,420,000	1,060,000
110	Personnel Training	229,909	152,987	257,000	338,500	81,500
110	Other Professional Fees	286,372	222,327	668,050	663,000	(5,050)
110	Directors Fees	140,152	72,280	156,000	168,000	12,000
110	Election Expense	30,000	110,000	145,000	145,000	0
Total General Managers Office		1,680,292	1,474,576	2,416,600	3,538,288	1,121,688



SAFETY AND SECURITY

OPERATING BUDGET SUMMARY

Program Description

The Safety and Security program provides necessary resources to promote a safe work environment for employees through mandated and pro-active training and education and to ensure the security of all District property and facilities.

With a commitment to provide on-going employee training to facilitate safe job performance and effective security programs to ensure property and facility protection, the Safety and Security function continually monitors and stays abreast of current and pending changes and improvements for safe work practices and security measures in the water industry. Appropriate policies are regularly developed or revised to ensure the constant pursuit and maintenance of a safe and secure operational environment, in compliance with all applicable laws and regulations.

Through the use of safety awareness programs, the Safety and Security function works to increase employee involvement at all organizational levels via All Hands Meetings, Tailgate Safety Meetings, classroom and on-site training sessions, workplace evaluations, industrial hygiene evaluations and employee Safety Committee meetings.

The Safety & Security program administers the Commuter Trip Reduction (Ridesharing) program, coordinates emergency preparedness and disaster response operations and oversees the maintenance and administration of the Emergency Operations Center.

Major Goals

- Evaluate opportunities that enhance safety and emergency preparedness throughout the District;
- Develop safety training data base and two-year staff training plan based on District needs;
- Update District Emergency Plan;
- Provide disaster response training for District staff, including high-risk scenarios; and,
- Implement facility security assessment starting with MWRP.

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Administration		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Safety and Security</u>						
130	Regular Labor	151,459	97,519	244,800	260,254	15,454
130	Overtime Labor	657	21,328	1,500	5,000	3,500
130	Contract Labor	42,635	21,903	0	0	0
130	Operating Supplies	72,780	43,442	70,500	72,500	2,000
130	Printing	1,017	0	9,300	2,000	(7,300)
130	Postage	0	153	0	500	500
130	Permits, Licenses and Fees	27,686	52,386	40,000	40,000	0
130	Office Supplies	8,339	12,318	40,000	30,000	(10,000)
130	Rep & Maint IRWD	18,069	0	0	0	0
130	Insurance	700	0	0	0	0
130	Personnel Training	90,039	52,228	114,000	115,000	1,000
130	Personnel Physicals	16,040	7,053	36,000	36,000	0
130	Other Professional Fees	48,612	122,148	125,000	125,000	0
130	Safety	129,149	37,282	25,000	45,000	20,000
130	Alarm and Patrol Services	112,838	36,117	170,000	520,000	350,000
130	Commuter Program	140,991	59,085	156,000	156,000	0
130	Other	17,250	0	0	0	0
Total Safety and Security		878,261	562,962	1,032,100	1,407,254	375,154



HUMAN RESOURCES

OPERATING BUDGET SUMMARY

Program Description

The Human Resources function provides comprehensive organizational development and personnel management services to maximize the potential of the District's human resources and overall employee efficiency, effectiveness and satisfaction. The Human Resources program is responsible for attracting and recruiting a highly qualified work force and working in concert with the organization leadership to develop and sustain a motivated, productive organization.

Human Resources ensures the delivery of a competitive compensation and benefits package; continuous improvement through employee training; fair and consistent employee policies, procedures and guidelines; and an ongoing employee reward and recognition program tied to the achievement of stated goals and objectives. Human Resources is responsible for the employee relations and labor relations processes and facilitates communication and trust with staff through collaboration and the open exchange of ideas.

Major Goals

- Recruit, develop and retain a highly skilled and educated workforce;
- Develop and implement a staff mentoring program with input from the Employee Development Task Force;
- Implement new on-line performance evaluation system;
- Develop employee cross training and job rotation guidelines; and,
- Evaluate alternatives for standby/first responders.

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Administration		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Human Resources</u>						
140	Regular Labor	557,789	287,278	649,880	667,174	17,294
140	Overtime Labor	4,004	3,090	5,000	5,000	0
140	Employee Benefits	7,786,731	4,226,121	16,937,520	17,365,620	428,100
140	Contract Labor	0	0	2,500	2,500	0
140	Printing	2,623	0	0	0	0
140	Postage	54	0	100	100	0
140	Office Supplies	3,424	538	2,500	2,500	0
140	Rep & Maint IRWD	0	0	1,000	1,000	0
140	Legal Fees	138,744	143,939	95,000	145,000	50,000
140	Personnel Training	329,050	78,324	370,800	388,800	18,000
140	Personnel Physicals	10,490	8,446	15,000	15,000	0
140	Other Professional Fees	126,644	53,460	134,500	179,500	45,000
Total Human Resources		8,959,553	4,801,196	18,213,800	18,772,194	558,394
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Total Administration		11,518,106	6,838,734	21,662,500	23,717,736	2,055,236



FINANCE, TREASURY AND PROCUREMENT

OPERATING BUDGET SUMMARY

Program Description

The Finance Department is responsible for ensuring the financial and rate stability of the District. This includes developing rates and fees that support the long term sustainability of the District. Finance maintains the official accounting records of the Irvine Ranch Water District and provides financial management of the District's income and real estate investments, new and existing debt issues, and deferred compensation programs. The department provides a wide range of accounting and financial services including payroll, accounts payable, accounts receivable, project accounting, financial analysis, financial reporting, coordination of the District's annual operating budget and preparation of the Comprehensive Annual Financial Report (CAFR). The Finance Department also oversees risk management claims and insurance issues.

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

Major Goals

ACCOUNTING AND BUDGETING

- 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 and timely financial reports to the Finance and Personnel Committee and the District's Board of Directors;
- Coordinate the District's annual financial statement audit;
- Prepare the annual CAFR;
- Prepare the Operating Budget for Board of Director approval including setting adequate rates to ensure long term financial strength and stability;
- Ensure user rates are proportional with costs of service and support the current rate structure;
- Lead customer noticing effort for Proposition 218 compliance (operating budget, rates and charges);
- Ensure all payments and payroll checks are accurate and timely;
- Stabilize the upgraded District-wide Financial System including incorporation of the most recent improvement district consolidation structure, and project management ; and
- Identify and implement enhanced business intelligence capabilities.

LONG-TERM FINANCIAL PLANNING

- Continue to refine and update the cash flow strategic model to ensure sufficient funding for future capital needs;
- Provide analytical support and analysis to Finance, other departments and outside constituents as requested; and
- Explore financial models for financing, construction and operation of renewable and storage projects.



FINANCE, TREASURY AND PROCUREMENT

OPERATING BUDGET SUMMARY

INVESTMENTS AND CASH MANAGEMENT

- Invest District funds in a prudent and professional manner that will provide maximum security of principal, sufficient liquidity to meet working capital requirements and an optimal rate of return;
- Prepare accurate investment reports and the annual investment policy to the Board of Directors and other interested parties within established time frames; and,
- Maintain and enhance short and long-term cash flow models and cash management practices.

REAL ESTATE

- Monitor and report on the performance of all real estate investment assets;
- Manage leasing and related property management activities for all District commercial and residential real estate investments;
- Evaluate development opportunities at other District properties;
- Complete environmental and final map approval process for property located in Lake Forest and market property for sale;
- Develop plan to invest revenue generated by the Lake Forest property; establish rate parity for Lake Forest customers;
- Complete plans, permitting, development and leasing of the Sand Canyon campus in Irvine; and
- Resolve outstanding deed, access and other contractual restrictions related to real property.

DEBT ISSUANCE AND ADMINISTRATION

- Issue long-term debt to fund capital projects as needed, and evaluate and recommend refunding opportunities for current District debt issues when appropriate;
- Manage District letters of credit supporting variable rate debt; evaluate new credit support opportunities when necessary;
- Prepare and submit required continuing disclosure materials for District debt issues to appropriate parties;
- Monitor variable interest rates set by remarketing agents on District debt and make adjustments as appropriate;
- Develop District debt policy; and
- Execute, monitor and report on interest rate swap transactions as appropriate.

INSURANCE

- Ensure the District has adequate insurance to appropriately safeguard assets; and,
- Manage claims process and coordinate legal matters in a timely manner.

PENSION

- Maintain and invest Pension Benefits Trust assets and report portfolio performance and recommendations to the Retirement Board;
- Evaluate and monitor Trust Advisor performance; recommend changes in advisory services as appropriate; and,
- Review additional opportunities to optimize Pension Benefits Trust performance.

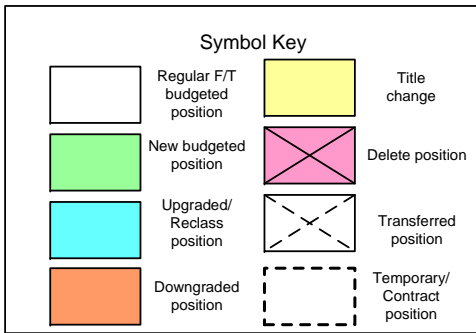


FINANCE, TREASURY AND PROCUREMENT

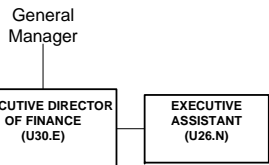
OPERATING BUDGET SUMMARY

PROCUREMENT

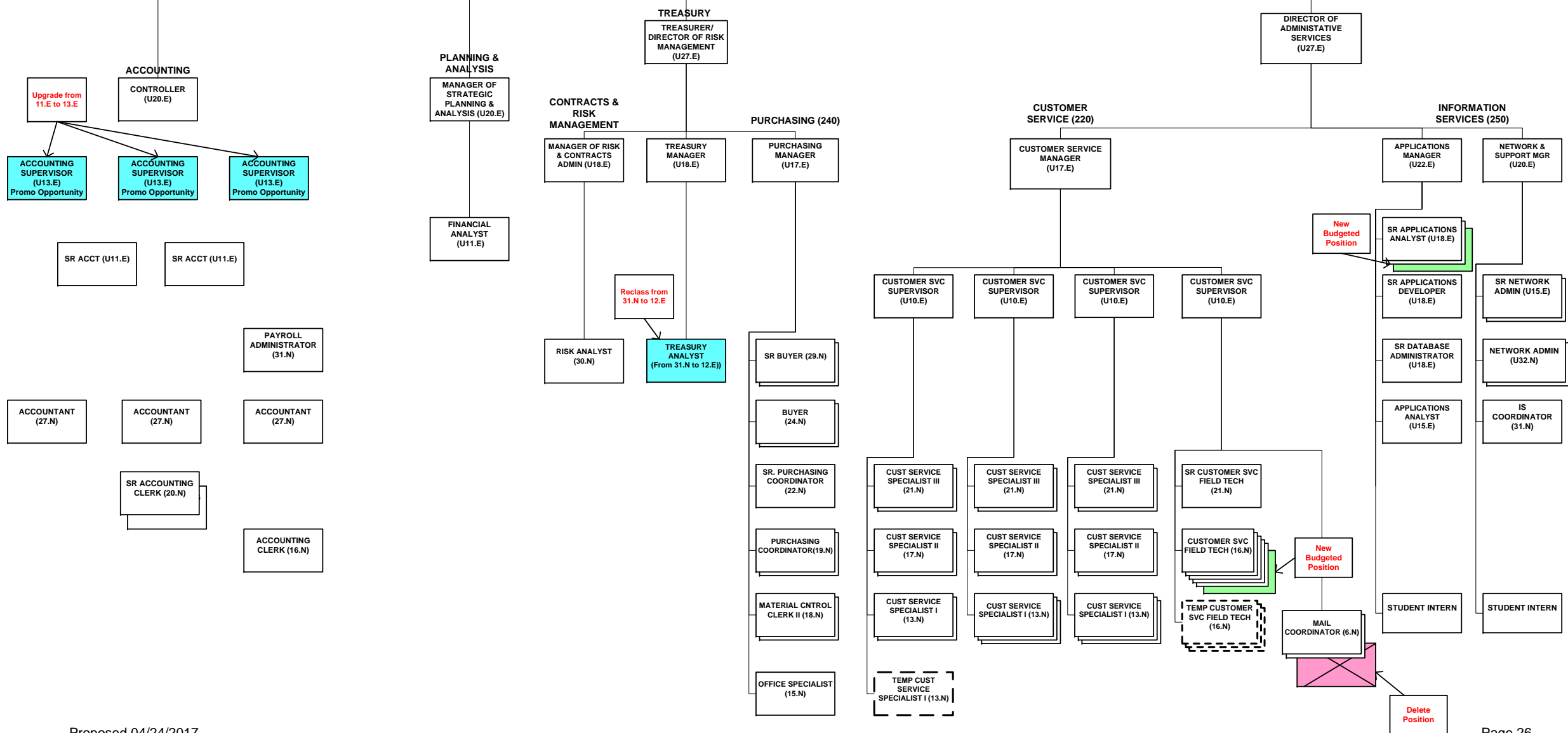
- Purchase materials, supplies and services in a timely manner with appropriate consideration given to quality and best pricing;
- Process all material/service requests timely and efficiently;
- Maintain warehouse inventory fill rate at 100% and review/adjust slow moving inventory;
- Streamline business procurement processes and documentation while ensuring appropriate controls;
- Provide ongoing customer support for procurement and inventory systems; and,
- Evaluate and expand participation in cooperative purchasing agreements as appropriate.



**IRVINE RANCH WATER DISTRICT
FINANCE AND ADMINISTRATION
FISCAL YEAR 2017-18**



FINANCE/TREASURY (210)



Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Finance & Administrative Services		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Finance and Treasury</u>						
210	Regular Labor	2,248,349	988,954	2,237,200	2,287,948	50,748
210	Overtime Labor	40,269	27,081	18,000	18,000	0
210	Contract Labor	87,925	83,149	165,800	29,000	(136,800)
210	Operating Supplies	1,115	1,458	700	2,800	2,100
210	Printing	64,453	0	70,000	70,000	0
210	Postage	8,223	4,488	8,000	9,000	1,000
210	Permits, Licenses and Fees	0	0	3,000	56,500	53,500
210	Office Supplies	3,540	1,780	5,000	5,000	0
210	Insurance	780,600	499,396	1,003,900	1,020,900	17,000
210	Accounting Fees	78,634	85,884	95,000	95,000	0
210	Data Processing	49,860	24,930	51,000	52,000	1,000
210	Personnel Training	18,570	10,238	27,500	27,000	(500)
210	Other Professional Fees	233,536	113,523	305,700	302,700	(3,000)
210	Mileage Reimbursement	90	0	100	0	(100)
210	Collection Fees	10,394	464	20,000	11,000	(9,000)
Total Finance and Treasury		3,625,558	1,841,345	4,010,900	3,986,848	(24,052)

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Finance & Administrative Services		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
Purchasing						
240	Regular Labor	706,747	351,736	787,600	792,594	4,994
240	Overtime Labor	16,596	10,128	4,000	8,000	4,000
240	Contract Labor	43,798	33,626	0	4,000	4,000
240	Operating Supplies	(494,235)	(239,233)	162,000	133,000	(29,000)
240	Printing	7,087	2,538	11,500	8,500	(3,000)
240	Postage	3,648	1,553	4,500	4,500	0
240	Office Supplies	17,416	6,736	24,000	18,000	(6,000)
240	Duplicating Equipment	187,774	89,480	225,000	192,000	(33,000)
240	Equipment Rental	14,124	0	20,000	18,000	(2,000)
240	Data Processing	277	0	0	0	0
240	Personnel Training	6,880	605	6,500	6,500	0
240	Other Professional Fees	230	32	2,000	2,000	0
Total Purchasing		510,342	257,201	1,247,100	1,187,094	(60,006)



ADMINISTRATIVE SERVICES

OPERATING BUDGET SUMMARY

Program Description

The Administrative Services group provides a wide range of support services that include Customer Service 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 utility billing, account support and mail distribution services.

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 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

- Deliver exceptional customer service both internally and externally;
- Review and resolve billing inquiries and adjustments in a timely manner including education of customers on allocation;
- Receive and process all orders for new service and discontinuation of service;
- Process new meter applications;
- Process payments for temporary construction meters, fire flow tests, and customer water bills;
- Coordinate and process all meter reads to ensure accurate billing;
- Process variance requests for additional water allocations;
- Respond to field problems (leaks, no water complaints, high/low pressure, water quality, sewer problems, line breaks, etc.) with a sense of urgency;
- Manage delinquent customer accounts and perform shut-offs as required;
- Provide customers with an accurate and effective bill;
- Streamline bill printing and distribution process;
- Distribute customer satisfaction surveys and maintain 90% customer satisfaction;
- Implement redesigned customer bill to improve customer's understanding of District rate structure;
- Investigate enhanced customer communication through an improved customer web access portal;
- Investigate development of a District customer application; and
- Receive, route and deliver all District mail;



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, mobile devices, printers and software applications that meet the needs of District staff;
- Provide reliable voice, data and wireless communications services;
- Implement new and improve existing software applications to meet the requirements of District staff;
- Complete scheduled hardware and software upgrades to District servers, personal computers, mobile devices, printers, network equipment and software applications;
- Begin implementation of projects identified and prioritized from the Technology Assessment;
- Complete the implementation of E-Mail Archiving; and
- Support the implementation of the Enterprise Asset Management System (EAM).

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Finance & Administrative Services		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Customer Service</u>						
220	Regular Labor	1,532,656	785,408	1,972,880	1,974,544	1,664
220	Overtime Labor	68,145	38,331	60,000	60,000	0
220	Contract Labor	463,855	135,388	228,820	130,150	(98,670)
220	Operating Supplies	3,512	9,129	1,000	3,000	2,000
220	Printing	73,170	35,812	77,000	80,000	3,000
220	Postage	577,360	275,645	555,500	570,000	14,500
220	Office Supplies	5,373	2,249	5,500	5,500	0
220	Equipment Rental	50,947	20,573	42,500	42,500	0
220	Rep & Maint IRWD	71	0	0	0	0
220	Personnel Training	1,922	183	8,000	8,000	0
220	Other Professional Fees	3,467	1,213	2,000	2,000	0
220	Collection Fees	1,119	512	1,000	1,000	0
220	Contract Meter Reading	1,319,338	672,945	1,350,000	1,390,000	40,000
Total Customer Service		4,100,935	1,977,388	4,304,200	4,266,694	(37,506)

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Finance & Administrative Services		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Information Services</u>						
250	Regular Labor	1,173,730	510,230	1,442,100	1,608,164	166,064
250	Overtime Labor	40,841	20,510	30,000	40,000	10,000
250	Contract Labor	802,552	111,327	255,000	230,000	(25,000)
250	Telecommunication	457,587	219,154	433,000	484,500	51,500
250	Other Utilities	11,574	0	9,500	0	(9,500)
250	Operating Supplies	17	0	0	0	0
250	Printing	6,951	1,540	5,000	5,000	0
250	Postage	124	0	500	500	0
250	Office Supplies	0	15	1,000	1,000	0
250	Rep & Maint IRWD	272,608	130,752	292,500	300,000	7,500
250	Data Processing	2,929,432	1,617,365	2,976,200	2,833,100	(143,100)
250	Personnel Training	2,608	3,012	35,800	35,800	0
250	Other Professional Fees	50,121	32,740	60,000	115,000	55,000
250	Mileage Reimbursement	29	0	0	0	0
250	Computer Backup Storage	24,843	6,324	24,000	12,000	(12,000)
Total Information Services		5,773,017	2,652,969	5,564,600	5,665,064	100,464
Total Finance & Administrative Services		14,009,852	6,728,903	15,126,800	15,105,700	(21,100)



ENGINEERING

OPERATING BUDGET SUMMARY

Program Description

The Engineering Department provides planning, design and construction coordination to develop the water, sewage and recycled water facilities necessary to provide the highest level of service to the customers of the District. The Engineering Department also provides technical support to other District departments.

Planning: The Planning and Technical Services group of the Department is responsible for all master planning, water, sewage and recycled water demand projections, water supply planning, preliminary facility planning studies for new facilities, and preparation of the District's annual and long-term Capital Programs. The Planning group provides GIS services to other District departments including the development and support of GIS based applications and facility and atlas maps, maintenance of the District's digital record drawings plan system, and spatial analysis. The Planning group is also responsible for managing the District's real property and rights of way.

Capital Projects: The Capital Projects group designs and manages construction of major water, sewage and recycled water treatment, distribution and transmission facilities necessary to provide the quality and reliability of service to existing and future customers of the District. The Capital Projects group is responsible for the expansion and improvement of water and sewage treatment facilities; the design and construction of wells, pipelines, storage facilities, pump stations, and sewage lift stations; and the design and construction of integration facilities for areas acquired through agency consolidations.

Development Services: The Development Services group facilitates the land development process within the District by designing and bidding the water, sewage and recycled water facilities necessary to support land development. The construction of these facilities is coordinated to ensure that the facilities are available to meet development schedule requirements. Temporary and interim facilities, when necessary, are also coordinated through this group. The Development Services group also reviews developer submittals for quality and conformance with District requirements and assesses and collects appropriate fees.

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

Operations Support: The Operations Support group is responsible for providing engineering support to other District departments. The Operations Support group generally focuses on the expansion and rehabilitation of existing District facilities and provides design and construction management of small to medium size water, sewage and recycled water facilities.



ENGINEERING

OPERATING BUDGET SUMMARY

This group also includes the process control team that conducts research, develops projects and provides process control and technical support to enhance the performance of the District's domestic and recycled water supply, treatment, distribution, and storage facilities. The process control team also provides similar support to the District's sewage collection/treatment, recycled water and urban runoff treatment systems and supports District-wide regulatory compliance objectives.

Michelson Water Recycling Plant (MWRP) Construction: The MWRP Construction group is responsible for the construction of the MWRP Biosolids and Energy Recovery Facilities. The group ensures that sewage and biosolids treatment facilities are properly designed and constructed to meet the requirements of the MWRP Operations Department.

Major Goals

Planning

- Update Water Resources Master Plan;
- Provide Inter-agency technical support;
- Develop alternative water supplies;
- Implement Criticality Based Replacement Planning Model;
- Initiate Sewer Collections Advisory Team;
- Update Strategic Water Resources Mass Balance Model and initiate Potable Reuse Alternatives Study; and
- Expand GIS based applications and cloud infrastructure.

Capital Projects

- MWRP Biosolids and Energy Recovery Facilities construction;
- Stockdale West Integrated Water Banking construction;
- Irvine Lake Pipeline North Conversion to Recycled Water design and construction;
- Initial Disinfection Facility Chlorine Gas Removal construction;
- Energy Storage System design and construction at multiple sites;
- Water Recycling Treatment Plant Master Plan update;
- Multi-Zone Recycled Water Booster Pump Station (BPS) design and construction;
- Second Zone 1 Reservoir design and construction; and,
- Syphon Reservoir Expansion preliminary design.

Development Services

- Heritage Fields Infrastructure design and construction;
- Orchard Hills Infrastructure design and construction;
- Baker Ranch Infrastructure design and construction;
- Tustin Legacy Infrastructure design and construction; and,
- Irvine Business Complex Redevelopment Infrastructure design and construction;



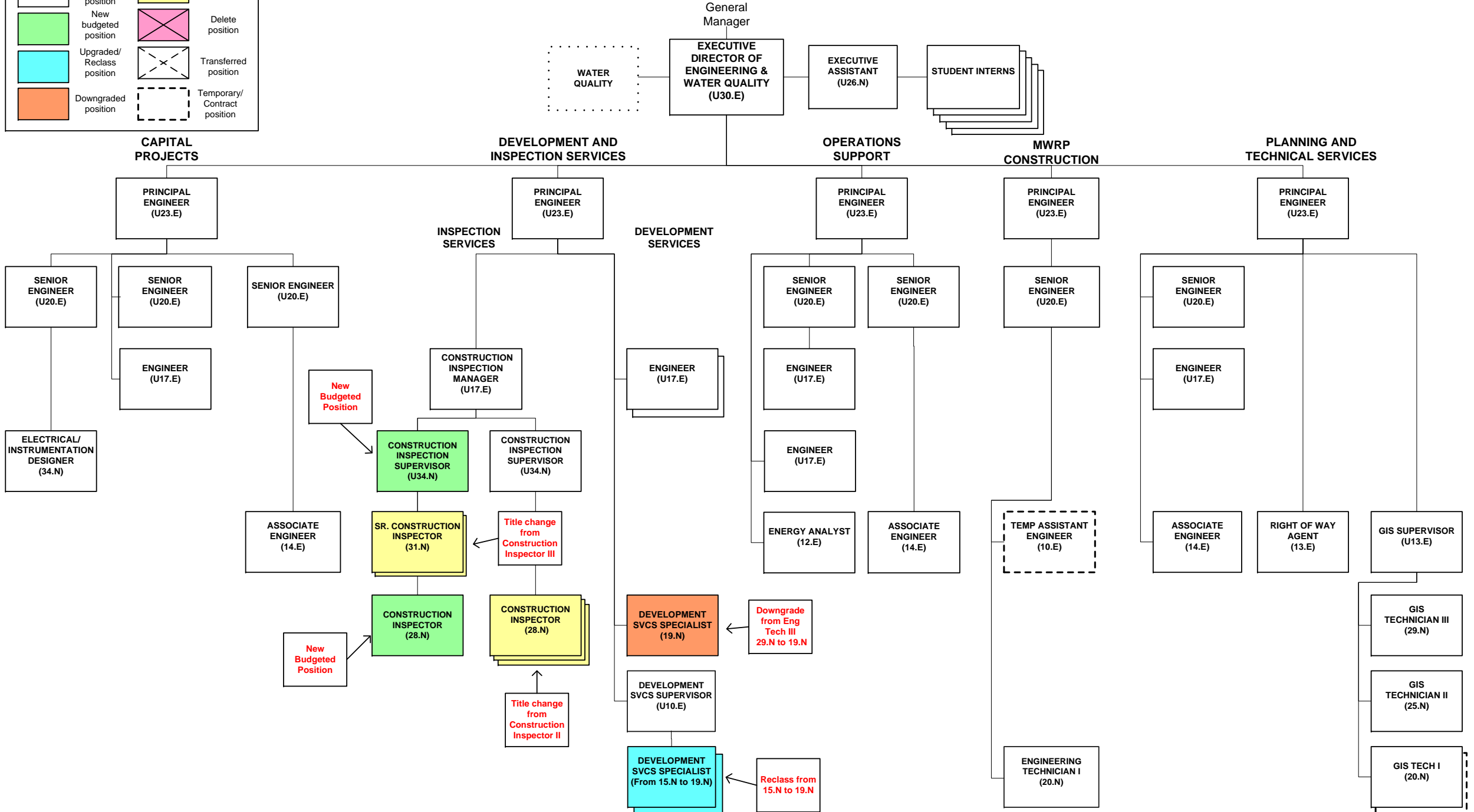
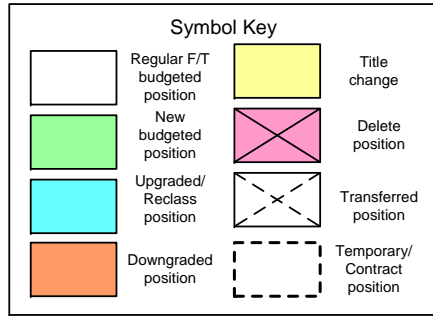
ENGINEERING

OPERATING BUDGET SUMMARY

Operations Support

- UCI Cooling Tower Recycled Water Conversion Pipeline construction;
- Newport Coast Lift Station Improvements construction;
- Michelson Sewer Force Main Rehabilitation design and construction;
- Operations Center Backup Generator Replacement construction;
- MWRP Filter Pump Station Discharge Manifold Piping Replacement construction;
- Santiago Dam Sloped Outlet Tower design;
- Well Rehabilitation design and construction;
- Dyer Road Well Field Surge Tank Replacement construction;
- Evaluate process control and water quality monitoring data to assess, correct or recommend performance improvement of membrane treatment facilities: IDP-SGU, IDP-PAP, IDP-PTP, DATS, CATS and the Wells 21/22 Desalter Plant;
- Develop test protocols, standard operating protocols and procedures, operate, perform sample collection and monitoring of bench, pilot and full-scale process facilities, including pilot and demonstration research projects;
- 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; and,
- Assist in the development and coordinate district wide research, pilot and demonstration projects.

**IRVINE RANCH WATER DISTRICT
ENGINEERING
FISCAL YEAR 2017-18**



Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Engineering		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
Engineering						
300	Regular Labor	4,139,304	2,048,180	4,377,500	4,712,004	334,504
300	Overtime Labor	142,258	83,849	144,000	190,000	46,000
300	Contract Labor	261,121	113,550	221,000	411,000	190,000
300	Telecommunication	40	0	0	0	0
300	Operating Supplies	5,726	2,704	9,400	8,400	(1,000)
300	Printing	5,413	6,398	16,000	20,000	4,000
300	Postage	2,354	831	2,800	2,000	(800)
300	Permits, Licenses and Fees	1,606	0	2,000	2,000	0
300	Office Supplies	13,100	3,468	12,500	9,500	(3,000)
300	Rep & Maint IRWD	5,742	222	0	0	0
300	Engineering Fees	79,591	8,904	122,000	207,000	85,000
300	Personnel Training	20,271	13,774	30,000	30,000	0
300	Other Professional Fees	2,066	708	103,000	63,000	(40,000)
Total Engineering		4,678,592	2,282,588	5,040,200	5,654,904	614,704
Total Engineering		4,678,592	2,282,588	5,040,200	5,654,904	614,704



WATER QUALITY

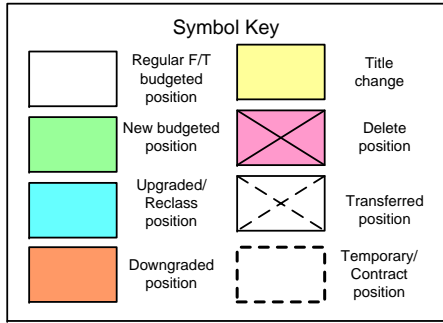
OPERATING BUDGET SUMMARY

Program Description

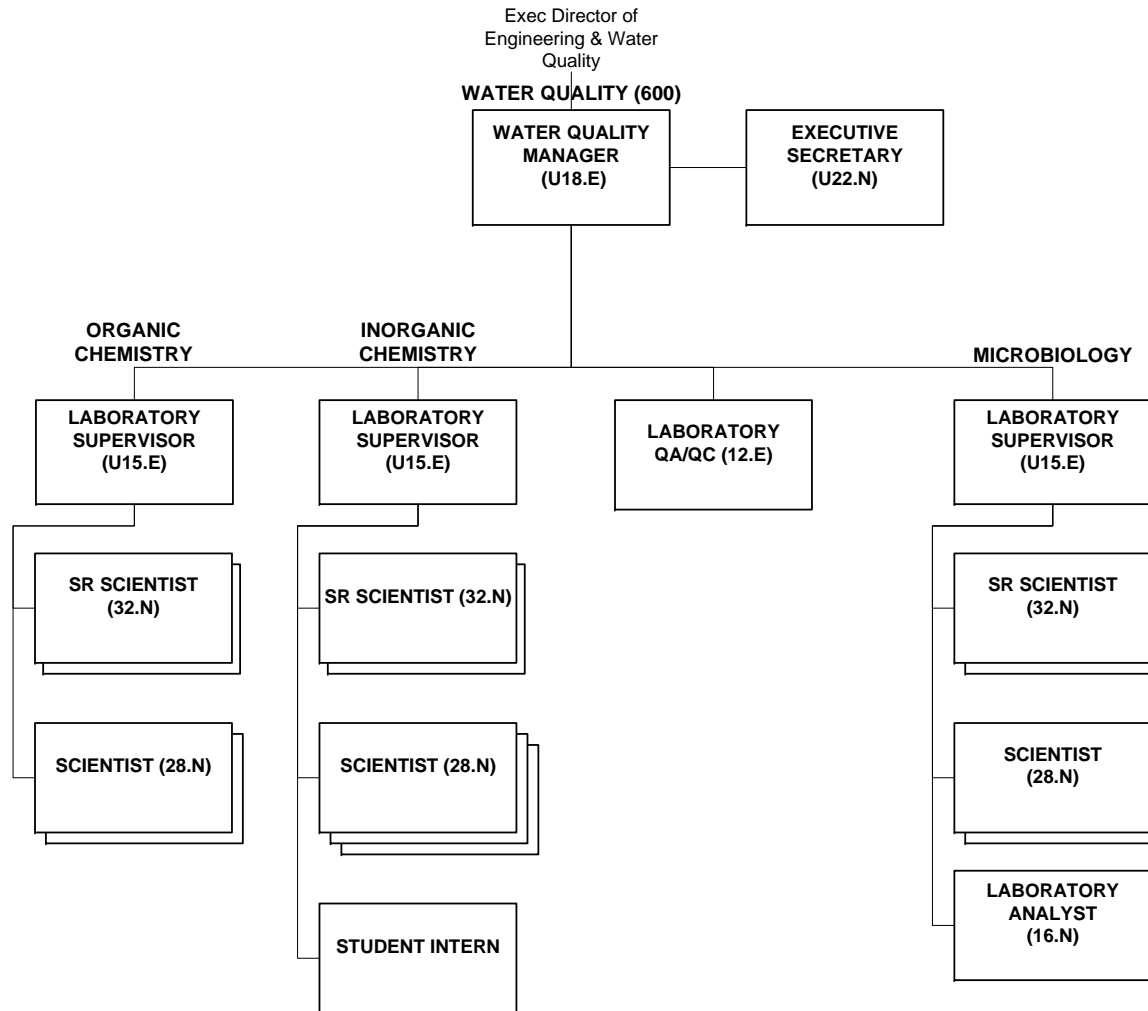
The Water Quality Department provides water quality related support to the operations and maintenance of the domestic and recycled water distribution and sewer collection systems and treatment facilities, and ensures that all District operations are conducted in a safe, reliable, environmentally sensitive manner to achieve a high level of customer satisfaction. The Water Quality Department provides internal and external customers with high quality data for regulatory monitoring and reporting, process control, research projects and capital projects utilizing state-of-the-art, United States Environmental Protection Agency (EPA) and State Water Resources Control Board Division of Drinking Water (DDW) approved analytical methods.

Major Goals

- Perform necessary analyses and ensure the District operates in full compliance with all applicable federal, state and local environmental and water quality laws and regulations;
- Monitor the development of potential future regulations that may impact District activities;
- Ensure all compliance monitoring and reporting is completed and submitted by required due dates;
- Review new technologies that may be applicable to operations;
- 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 successfully completing the site audit and proficiency testing;
- Prepare the laboratory to implement the new EPA Method Update Rule and the developing new ELAP accreditation standard;
- Successfully complete all required water, sewage, 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;
- Implement to the fullest extent possible automated reporting programs;
- Reduce paperwork by maximizing electronic data collection;
- Be environmentally responsible in the selection, procurement and disposal of reagents utilized in the laboratory; and,
- Seek to improve established contacts with regulatory agencies.



**IRVINE RANCH WATER DISTRICT
WATER QUALITY
FISCAL YEAR 2017-18**



Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Water Quality		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Water Quality</u>						
600	Regular Labor	1,518,599	752,795	1,726,230	1,762,174	35,944
600	Overtime Labor	49,455	24,197	26,200	33,600	7,400
600	Contract Labor	29,173	7,085	15,000	127,000	112,000
600	Operating Supplies	320,246	178,521	384,300	391,000	6,700
600	Postage	1,089	1,086	3,400	3,600	200
600	Permits, Licenses and Fees	5,975	9,003	9,000	11,250	2,250
600	Office Supplies	3,271	929	3,000	3,000	0
600	Equipment Rental	3,595	0	6,320	6,320	0
600	Rep & Maint IRWD	174,986	133,913	219,550	224,892	5,342
600	Engineering Fees	66,118	39,857	143,300	85,600	(57,700)
600	Personnel Training	10,273	28,783	25,650	34,850	9,200
600	Other Professional Fees	77,617	5,848	99,950	24,550	(75,400)
600	Mileage Reimbursement	102	0	0	0	0
600	Safety	2,255	1,163	6,400	7,200	800
Total Water Quality		2,262,754	1,183,180	2,668,300	2,715,036	46,736
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Total Water Quality		2,262,754	1,183,180	2,668,300	2,715,036	46,736



WATER OPERATIONS

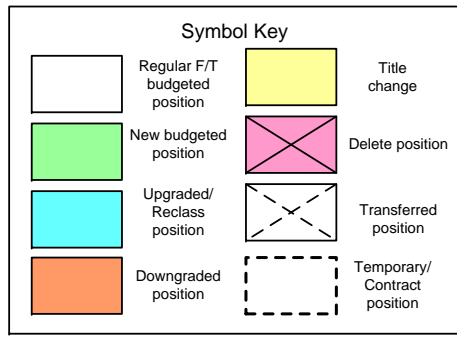
OPERATING BUDGET SUMMARY

Program Description

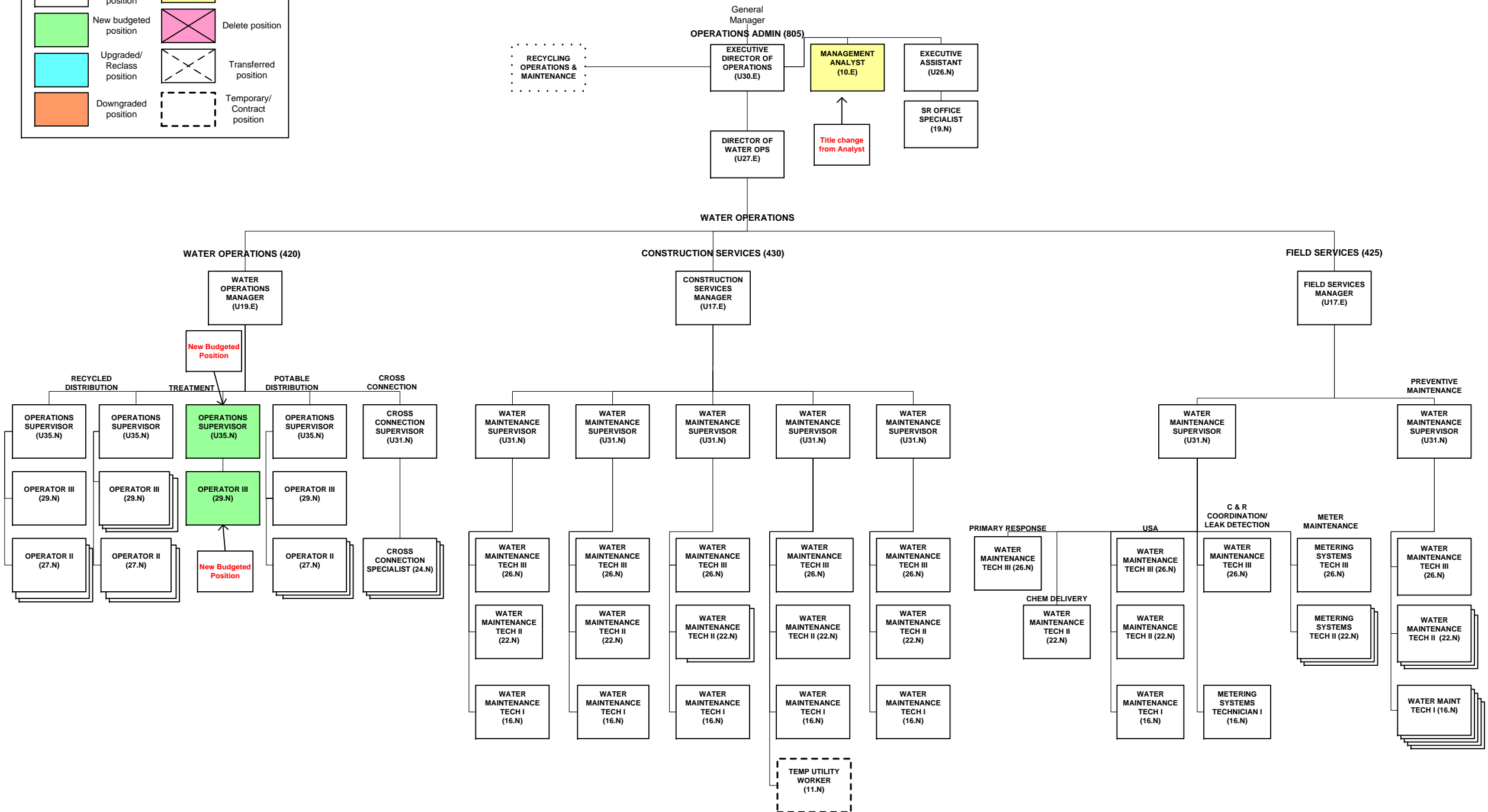
The mission of the Water Operations Department is to operate and maintain the District's potable water, recycled water and untreated water systems in an efficient, cost effective and environmentally safe manner that provides a high level of customer satisfaction. The Water Operations Department provides operation, maintenance and repair of the District's domestic water, recycled water and untreated water systems. These systems include the Dyer Road Wellfield, Deep Aquifer Treatment System, The Wells 21/22 Treatment Plant, Irvine Desalter Project (Potable Treatment Plant, Principal Aquifer Plant and Shallow Groundwater Unit) and Baker Water Treatment Plant (BWTP).

Major Goals

- Manage the BWTP to achieve operational and budgetary goals for IRWD and the project Partners;
- Maintain 100% compliance with all regulatory permits;
- Meet the Department's adopted Operations and Maintenance budget;
- Add one additional Water Operators at the T-5 certification level;
- Coordinate with the Finance, Engineering and Planning Departments on water supply and water banking opportunities to optimize cost effective operations;
- Achieve zero lost time accidents;
- Modify as needed and track adopted Operational Key Performance Indicators (KPI) to optimize operational efficiency and cost effectiveness;
- Maintain and develop staff competency through a combination of internal and external training;
- Operate and maintain the system to minimize energy consumption;
- Maintain the Dyer Road Well Field and Deep Aquifer Treatment System domestic water flows in accordance with the Ground Water Pumping Plan;
- Assist the Engineering Department with the design and startup of domestic and recycled water system facilities;
- Operate the Irvine Desalter Project (Potable Treatment Plant, Principal Aquifer Plant and Shallow Groundwater Unit) in accordance with the joint agency agreement and submit required reports;
- Ensure efficient operation of all District pumping and reservoir facilities;
- Ensure safe dam operation through the monitoring and surveillance program;
- Complete all Cross-Connection Control Program annual inspections and back-flow device Maintenance in accordance with the California Administrative Code, Title 17, Public Health Department Requirements;
- Provide construction and repair services to internal and external customers in a prompt, safe, efficient, cost effective and environmentally sensitive manner;
- Continue the sewer repair project to improve sewer system reliability;
- Complete all preventive maintenance programs for the distribution system;
- Replace residential and commercial meters on the recommended cycle;
- 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; and,
- Respond to and resolve all customer service requests promptly.



**IRVINE RANCH WATER DISTRICT
OPERATIONS ADMINISTRATION & WATER OPERATIONS
FISCAL YEAR 2017-18**



Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Water Operations		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Operations Administration</u>						
805	Regular Labor	711,320	328,505	952,450	1,005,296	52,846
805	Telecommunication	356	919	2,000	2,000	0
805	Operating Supplies	4,415	424	6,000	6,400	400
805	Printing	0	756	2,500	2,500	0
805	Postage	123	55	1,000	1,000	0
805	Office Supplies	10,774	3,211	20,000	20,000	0
805	Rep & Maint IRWD	38	0	0	0	0
805	Personnel Training	42,078	15,947	164,000	164,000	0
805	Other Professional Fees	51,036	10,030	163,500	163,500	0
Total Operations Administration		820,140	359,847	1,311,450	1,364,696	53,246
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Total Water Operations		46,161,787	27,722,928	58,765,850	58,094,890	(670,960)

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Water Operations		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Water Operations</u>						
420	Water Purchase	29,027,599	18,698,940	36,234,030	35,286,508	(947,522)
420	Regular Labor	1,630,882	733,419	1,808,890	2,013,302	204,412
420	Overtime Labor	331,708	182,048	379,700	453,300	73,600
420	Electricity	7,697,255	4,286,982	10,098,850	9,863,218	(235,632)
420	Fuel	32,769	17,289	35,600	45,800	10,200
420	Telecommunication	48,009	24,111	48,800	53,900	5,100
420	Other Utilities	30,675	10,683	33,400	34,800	1,400
420	Chemicals	925,856	526,465	1,589,910	1,465,004	(124,906)
420	Operating Supplies	62,062	34,916	47,600	64,960	17,360
420	Permits, Licenses and Fees	46,023	122,701	184,000	204,000	20,000
420	Equipment Rental	8,588	4,912	9,000	9,000	0
420	Rep & Maint OCSD & Other	266,253	380,128	873,800	824,300	(49,500)
420	Rep & Maint IRWD	543,752	111,465	1,179,420	1,274,130	94,710
420	Engineering Fees	156,722	65,179	108,000	117,360	9,360
420	Data Processing	0	0	0	12,500	12,500
420	Personnel Training	501	0	0	340	340
420	Other Professional Fees	32,290	8,780	75,500	78,000	2,500
420	Safety	0	0	3,000	3,000	0
Total Water Operations		40,840,944	25,208,018	52,709,500	51,803,422	(906,078)

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Water Operations		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
Field Services						
425	Regular Labor	1,370,933	690,531	1,550,900	1,542,036	(8,864)
425	Overtime Labor	182,299	97,440	150,000	166,000	16,000
425	Contract Labor	57,249	24,842	62,400	124,800	62,400
425	Telecommunication	631	146	0	0	0
425	Chemicals	1,006	914	500	800	300
425	Operating Supplies	88,756	65,300	78,000	126,430	48,430
425	Permits, Licenses and Fees	13,461	6,268	13,000	14,800	1,800
425	Equipment Rental	0	1,807	2,500	2,500	0
425	Rep & Maint IRWD	266,600	58,337	250,800	209,800	(41,000)
425	Personnel Training	0	0	0	680	680
425	Other Professional Fees	636	124	1,000	1,000	0
Total Field Services		1,981,571	945,709	2,109,100	2,188,846	79,746

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Water Operations		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Construction Services</u>						
430	Regular Labor	1,569,998	695,263	1,626,000	1,646,816	20,816
430	Overtime Labor	191,517	111,246	221,000	223,000	2,000
430	Contract Labor	144,760	55,780	62,400	125,800	63,400
430	Telecommunication	205	105	0	0	0
430	Chemicals	467	228	400	400	0
430	Operating Supplies	126,111	80,623	158,000	164,520	6,520
430	Permits, Licenses and Fees	50,932	43,127	67,000	88,000	21,000
430	Equipment Rental	2,418	0	14,000	10,000	(4,000)
430	Rep & Maint IRWD	431,488	222,865	487,000	473,000	(14,000)
430	Engineering Fees	1,130	0	0	0	0
430	Personnel Training	0	0	0	6,390	6,390
430	Other Professional Fees	106	117	0	0	0
Total Construction Services		2,519,132	1,209,354	2,635,800	2,737,926	102,126



RECYCLING OPERATIONS

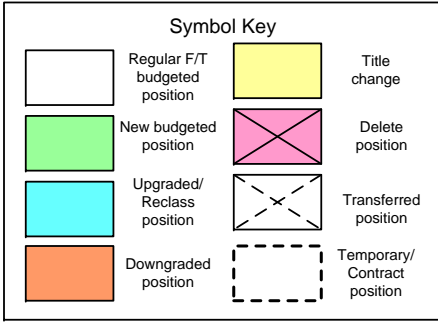
OPERATING BUDGET SUMMARY

Program Description

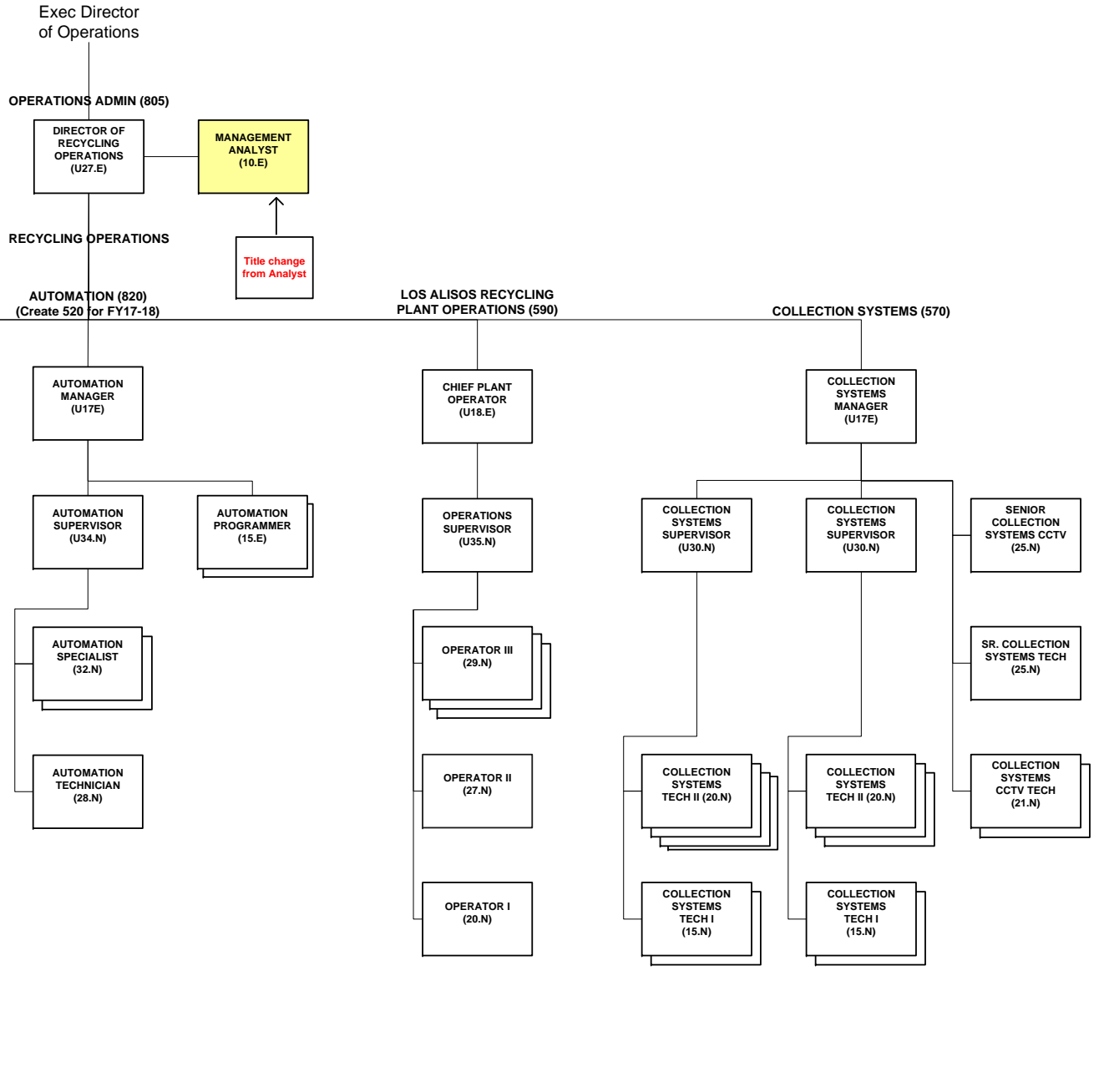
The mission of the Recycling Operations Department is to operate the District's resource recovery systems in a regulatory compliant, efficient, and environmentally safe manner that provides the highest level of customer satisfaction. The Recycling Operations Department provides cost-effective, reliable and compliant operation of the District's Sewage Collection Systems, the Michelson Water Recycling Plant (MWRP), the Los Alisos Water Recycling Plant (LAWRP), the Natural Treatment System (NTS), and the Automation Systems.

Major Goals

- Coordinate with Water Operations to optimize production of recycled water and balance with system storage;
- Meet the Department's adopted Operations budget;
- Achieve zero lost time accidents;
- Maintain 100% compliance with all regulatory requirements;
- Refine operational key performance indicators (KPIs) to optimize efficiency and cost effectiveness;
- Transition operational responsibilities for the completed portions of the MWRP Biosolids and Energy Recovery Facilities milestones to Recycling Operations;
- Finalize plan for FOG integration into the Biosolids facility once its facility is online;
- Maintain and develop staff competency through a combination of internal and external training;
- Evaluate and optimize chemical usage for the collection and recycling facilities systems;
- Implement findings from the marketing and distribution of pellets from the MWRP Biosolids Project
- Develop concepts and partnerships relative to implementing a food waste addition/recycling program at the MWRP once the new solids handling facilities are completed;
- Collaborate with Encina Wastewater Authority on lessons learned, O&M, product marketing and distribution, and resource sharing opportunities related to Biosolids;
- Explore participation with other agencies in MWRP Biosolids facilities (bringing in class B solids);
- Evaluate and implement options for cleaning and inspection of large sewer lines within the IRWD service area;
- Continue to work with partners in Newport Bay Executive Committee to develop and implement the elements of the Nitrogen Selenium Management Plan; and
- Complete the upgrade of the Water Operations SCADA.



**IRVINE RANCH WATER DISTRICT
RECYCLING OPERATIONS
FISCAL YEAR 2017-18**



Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Recycling Operations		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
NTS Operations						
515	Regular Labor	265,130	129,951	341,600	358,642	17,042
515	Overtime Labor	2,152	700	4,000	6,000	2,000
515	Contract Labor	72,692	29,272	30,000	85,000	55,000
515	Electricity	158,497	63,438	261,200	267,744	6,544
515	Telecommunication	425	1,854	0	3,500	3,500
515	Operating Supplies	18,418	3,550	22,000	14,000	(8,000)
515	Printing	826	81	0	1,000	1,000
515	Postage	228	0	0	0	0
515	Permits, Licenses and Fees	2,633	3,090	1,000	4,000	3,000
515	Equipment Rental	5,714	2,392	7,000	6,000	(1,000)
515	Rep & Maint OCSD & Other	24,059	6,559	24,000	26,000	2,000
515	Rep & Maint IRWD	987,916	563,073	1,043,300	1,460,000	416,700
515	Engineering Fees	43,107	17,515	92,500	192,500	100,000
515	Personnel Training	2,555	314	2,800	4,300	1,500
515	Other Professional Fees	577	0	0	0	0
515	Safety	499	0	0	0	0
515	Other	13,122	475	12,000	12,000	0
Total NTS Operations		1,598,550	822,264	1,841,400	2,440,686	599,286

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Recycling Operations		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Automation Department</u>						
520	Regular Labor	0	0	0	657,022	657,022
520	Overtime Labor		0	0	80,500	80,500
520	Operating Supplies		0	0	8,030	8,030
520	Rep & Maint IRWD		0	0	190,600	190,600
520	Personnel Training			0	170	170
520	Other Professional Fees		0	0	120,600	120,600
520	Safety		0	0	3,000	3,000
Total Automation Department		0	0	0	1,059,922	1,059,922

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Recycling Operations		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>MWRP Operations</u>						
550	Regular Labor	1,058,406	555,191	1,474,375	1,521,968	47,593
550	Overtime Labor	118,493	50,206	108,900	108,900	0
550	Contract Labor	38,783	0	30,000	30,000	0
550	Electricity	2,639,745	1,198,168	3,025,000	3,220,610	195,610
550	Fuel	7,481	3,145	76,400	100,617	24,217
550	Telecommunication	1,512	0	1,800	1,800	0
550	Chemicals	514,339	206,621	796,225	902,116	105,891
550	Operating Supplies	24,907	14,591	74,900	74,900	0
550	Permits, Licenses and Fees	0	0	250	250	0
550	Equipment Rental	0	0	12,000	12,000	0
550	Rep & Maint OCSD & Other	15,277,304	6,585,454	13,244,000	12,744,000	(500,000)
550	Rep & Maint IRWD	839	261	64,000	64,000	0
550	Personnel Training	1,421	0	2,000	4,020	2,020
550	Other Professional Fees	19	0	75,000	75,000	0
550	Safety	226	0	12,000	12,000	0
550	Biosolids Disposals	92,991	49,148	349,200	221,440	(127,760)
Total MWRP Operations		19,776,466	8,662,785	19,346,050	19,093,621	(252,429)

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Recycling Operations		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
Collections Systems						
570	Regular Labor	1,088,119	544,200	1,223,900	1,259,522	35,622
570	Overtime Labor	134,424	64,709	111,500	148,500	37,000
570	Electricity	111,202	55,369	113,000	108,929	(4,071)
570	Telecommunication	17,144	10,172	16,000	20,000	4,000
570	Chemicals	466,410	217,699	552,000	500,000	(52,000)
570	Operating Supplies	71,597	23,327	64,000	64,360	360
570	Rep & Maint IRWD	293,540	117,715	439,800	439,800	0
570	Personnel Training	50	0	0	4,720	4,720
570	Other Professional Fees	325	0	80,000	80,000	0
570	Mileage Reimbursement	0	1,720	0	2,000	2,000
570	Safety	1,926	0	10,000	10,000	0
Total Collections Systems		2,184,737	1,034,911	2,610,200	2,637,831	27,631

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Recycling Operations		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
LAWRP Operations						
590	Regular Labor	605,780	273,194	615,050	611,538	(3,512)
590	Overtime Labor	66,130	26,055	61,100	66,400	5,300
590	Electricity	860,876	358,144	932,150	763,452	(168,698)
590	Fuel	1,009	134	1,000	1,000	0
590	Chemicals	191,769	153,255	194,400	205,500	11,100
590	Operating Supplies	10,937	4,078	6,600	6,600	0
590	Office Supplies	471	88	0	0	0
590	Rep & Maint OCSD & Other	174,647	147,875	256,000	256,000	0
590	Rep & Maint IRWD	100,372	36,069	104,000	104,000	0
590	Other Professional Fees	300	300	1,600	940	(660)
590	Safety	256	0	1,700	1,700	0
590	Biosolids Disposals	20,408	10,100	25,000	25,000	0
Total LAWRP Operations		2,032,955	1,009,292	2,198,600	2,042,130	(156,470)
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Total Recycling Operations		25,592,708	11,529,252	25,996,250	27,274,190	1,277,940



MAINTENANCE

OPERATING BUDGET SUMMARY

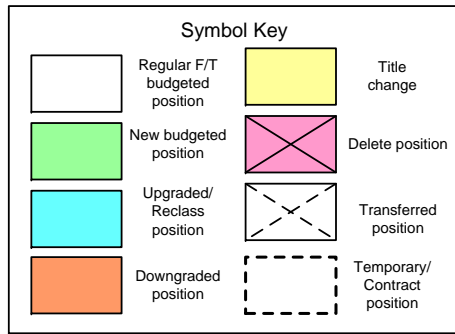
Program Description

The mission of Maintenance Operations is to manage the District's assets to ensure optimal life expectancy, reliability, efficiency and safety goals while providing the highest level of customer satisfaction. Maintenance Operations coordinates the maintenance and repair of the District's electrical, mechanical, instrumentation, fleet and facility assets by utilizing a comprehensive enterprise asset management system to ensure safe, reliable, and cost effective operation.

Major Goals

- Complete part one of the IBM Maximo software implementation activities for the Enterprise Asset Management (EAM) system including the replacement of the current computerized maintenance management system (CMMS) with Maximo Asset Management and Maximo Scheduler;
- Complete the asset data collection for the MWRP Biosolids and Energy Recovery Facilities;
- Meet the Department's adopted Maintenance and General Plant budgets;
- Achieve zero lost time accidents;
- Maintain 100% compliance with all regulatory requirements;
- Identify and track operational Key Performance Indicators (KPIs) to optimize efficiency and cost effectiveness;
- Complete the request for proposal (RFP) for the operation and maintenance of the biogas cleaning facilities and microturbines. Secure the services of a contractor to perform these services;
- Develop and implement an efficient comprehensive maintenance plan for the Baker Water Treatment Facility;
- Support the District's battery energy storage systems project through the planning, construction and operational phases;
- Maintain and develop staff competency through a combination of internal and external training;
- Investigate and expand the use of new technology to enhance and increase equipment reliability and staff productivity;
- Support the design and construction of a compressed natural gas (CNG) filling station at the Operations Center to accommodate the District's growing CNG fueled fleet;
- Provide Engineering support for projects including the Biosolids and Energy Recovery Facilities, Newport Coast Lift Station improvements, Operations Center generator, San Diego Creek Pump Station improvements;
- Optimize predictive maintenance measures through pump efficiency testing, lube oil analysis, vibration analysis, ultrasound detection, and infrared thermography program;
- Maintain all District buildings and facilities to ensure longevity to include the installation of a new Operations Center roof; and,
- Perform all required maintenance on schedule to ensure safe and dependable cost effective fleet operation.

**IRVINE RANCH WATER DISTRICT
MAINTENANCE OPERATIONS
FISCAL YEAR 2017-18**



Exec Director of Operations

OPERATIONS ADMIN (805)

DIRECTOR OF MAINTENANCE (U27.E)

MAINTENANCE OPERATIONS

FACILITIES SERVICES (850) & FLEET SERVICES (870)

ELECTRICAL SERVICES (820)

ASSET SYSTEMS (805)
(Create 830 for FY17-18)

MECHANICAL SERVICES (840)

FACILITIES/FLEET MANAGER (U17.E)

ELECTRICAL & INSTRUMENTATION MANAGER (U17.E)

ASSET SYSTEMS MANAGER (U17.E)

MECHANICAL SERVICES MANAGER (U19.E)

BUILDING/REPAIR

LANDSCAPE

FLEET SERVICES

INSTRUMENTATION SUPERVISOR (U34.N)

ELECTRICAL SUPERVISOR (U34.N)

New Budgeted Position for 1/1/2018

2 New Budgeted Positions

ASSET SYSTEMS ANALYST (10.E)

ASSET MAINTENANCE COORDINATOR (32.N)

MECHANICAL SERVICES SUPERVISOR (U32.N)

MECHANICAL SERVICES SUPERVISOR (U32.N)

MECHANICAL SERVICES SUPERVISOR (U32.N)

FACILITIES SERVICES SUPERVISOR (U31.N)

LANDSCAPE CONTRACTS ADMINISTRATOR (28.N)

FLEET SUPERVISOR (U31.N)

SR INSTRUMENTATION TECHNICIAN (30.N)

SR ELECTRICAL TECHNICIAN (30.N)

SR MAINTENANCE MECHANIC (27.N)

SR MAINTENANCE MECHANIC (27.N)

SR MAINTENANCE MECHANIC (27.N)

SENIOR FACILITIES SVCS TECH (27.N)

SENIOR VEHICLE/EQUIP. MECHANIC (27.N)

INSTRUMENTATION TECHNICIAN (28.N)

ELECTRICAL TECHNICIAN (28.N)

MAINTENANCE MECHANIC (22.N)

MAINTENANCE MECHANIC (22.N)

MAINTENANCE MECHANIC (22.N)

FACILITIES SVCS TECHNICIAN (22.N)

VEHICLE/EQUIP MECHANIC (22.N)

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Maintenance		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Electrical Services</u>						
820	Regular Labor	1,346,855	715,443	1,768,350	1,202,510	(565,840)
820	Overtime Labor	163,527	74,074	158,700	161,900	3,200
820	Telecommunication	129	0	0	0	0
820	Operating Supplies	110,320	89,832	92,950	105,700	12,750
820	Rep & Maint IRWD	846,830	457,168	909,200	951,600	42,400
820	Personnel Training	145	0	0	0	0
820	Other Professional Fees	616	271	2,800	800	(2,000)
820	Safety	20,686	3,768	16,800	16,800	0
Total Electrical Services		2,489,108	1,340,556	2,948,800	2,439,310	(509,490)

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Maintenance		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
<u>Dept No</u>	<u>Expense Name</u>					
<u>Asset Systems</u>						
830	Regular Labor			0	321,824	321,824
830	Overtime Labor	0	0	0	6,000	6,000
830	Operating Supplies	0	0	0	9,000	9,000
830	Other Professional Fees	0	0	0	75,000	75,000
830	Safety	0	0	0	1,000	1,000
Total Asset Systems		0	0	0	412,824	412,824

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Maintenance		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Mechanical Services</u>						
840	Regular Labor	1,098,907	506,024	1,379,100	1,308,552	(70,548)
840	Overtime Labor	72,816	34,453	99,000	93,600	(5,400)
840	Contract Labor	43,258	140	0	40,000	40,000
840	Telecommunication	105	0	0	0	0
840	Chemicals	919	0	0	0	0
840	Operating Supplies	64,566	5,897	81,200	35,500	(45,700)
840	Equipment Rental	0	0	4,000	0	(4,000)
840	Rep & Maint IRWD	917,160	499,808	1,006,000	910,400	(95,600)
840	Personnel Training	103	0	0	1,690	1,690
840	Other Professional Fees	352	0	0	0	0
840	Safety	1,593	0	6,200	6,200	0
Total Mechanical Services		2,199,779	1,046,322	2,575,500	2,395,942	(179,558)

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Maintenance		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Facilities Services</u>						
850	Regular Labor	555,199	255,945	621,700	640,284	18,584
850	Overtime Labor	21,830	13,231	23,400	26,000	2,600
850	Contract Labor	74,031	8,400	25,000	0	(25,000)
850	Electricity	304,661	160,077	390,000	397,924	7,924
850	Fuel	20,544	43,005	30,000	30,000	0
850	Telecommunication	369	120	0	400	400
850	Other Utilities	60,954	33,025	73,400	74,400	1,000
850	Operating Supplies	68,153	38,301	83,900	83,900	0
850	Rep & Maint IRWD	1,638,838	803,181	1,574,900	1,642,100	67,200
850	Personnel Training	2,651	16,086	0	340	340
850	Other Professional Fees	244	0	0	0	0
Total Facilities Services		2,747,474	1,371,371	2,822,300	2,895,348	73,048

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Maintenance		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
Fleet Services						
870	Regular Labor	374,081	184,590	375,000	387,176	12,176
870	Overtime Labor	11,247	3,010	10,300	10,300	0
870	Fuel	443,383	209,429	423,400	450,000	26,600
870	Other Utilities	54,914	28,563	61,600	61,600	0
870	Operating Supplies	13,350	1,418	7,800	7,800	0
870	Permits, Licenses and Fees	2,188	3,200	7,500	8,500	1,000
870	Equipment Rental	0	399	12,000	8,000	(4,000)
870	Rep & Maint IRWD	581,841	284,525	499,400	540,400	41,000
870	Personnel Training			0	1,692	1,692
870	Mileage Reimbursement	164,267	80,577	132,000	138,000	6,000
Total Fleet Services		1,645,271	795,711	1,529,000	1,613,468	84,468
Total Maintenance		9,081,632	4,553,960	9,875,600	9,756,892	(118,708)



RECYCLED WATER DEVELOPMENT

OPERATING BUDGET SUMMARY

Program Description

The Water Resources and Policy 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 program, regulatory requirements and public affairs.

Recycled Water Development: IRWD is recognized as a national leader in recycled water based in large part on the many years of experience IRWD has with recycled water, the large number of meters served, and groundbreaking projects IRWD has completed. IRWD currently serves more than 5,300 recycled water meters including more than 65 commercial dual-plumbed buildings where recycled water is used for flushing toilets and urinals and more than 610 single-family lots where recycled water is used for irrigating both the front and back yards. The Recycled Water Group continues to pursue additional customers for recycled water in the service area which includes the conversion of dozens of untreated water customers to recycled water. IRWD is also recognized for its support of recycled water through organizations such as WaterReuse, a national recycled water advocacy group. IRWD, in concert with WaterReuse, 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. IRWD has a lead role in working with other water recycling agencies and the regulatory agencies in Orange County to establish standards for on-going inspection and testing of recycled water use sites. In fiscal year 2016-16, the Recycled Water Group will be conducting studies with key customers to determine the feasibility of using recycled water for industrial applications, expanding the use of recycled water for irrigation by retrofitting potable irrigation areas to recycled water, and using recycled water to irrigate orchards that are more sensitive to some constituents found in recycled water.

Major Goals

RECYCLED WATER DEVELOPMENT

- Convert a minimum of 250 acre-feet of imported water use to recycled water;
- Apply for new *Local Resources Program* funding from MWD which provides a "per-acre foot" financial incentive to increase the use of recycled water. Projects include the North Irvine Lake Pipeline Conversion Project which will conserve approximately 2,500 acre-feet per year and the UCI Central Plant cooling tower project which will conserve 125 acre-feet per year;
- Convert the UCI Central Plant cooling towers to recycled water;
- Assist WaterReuse California with its legislative agenda which includes allowing discharge of recycled water from impoundments during storm events;
- Remain active the in Orange County Chapter of WaterReuse California;
- Fully develop the Recycled Water Use Site Inspection and Testing Program including at single-family lots;

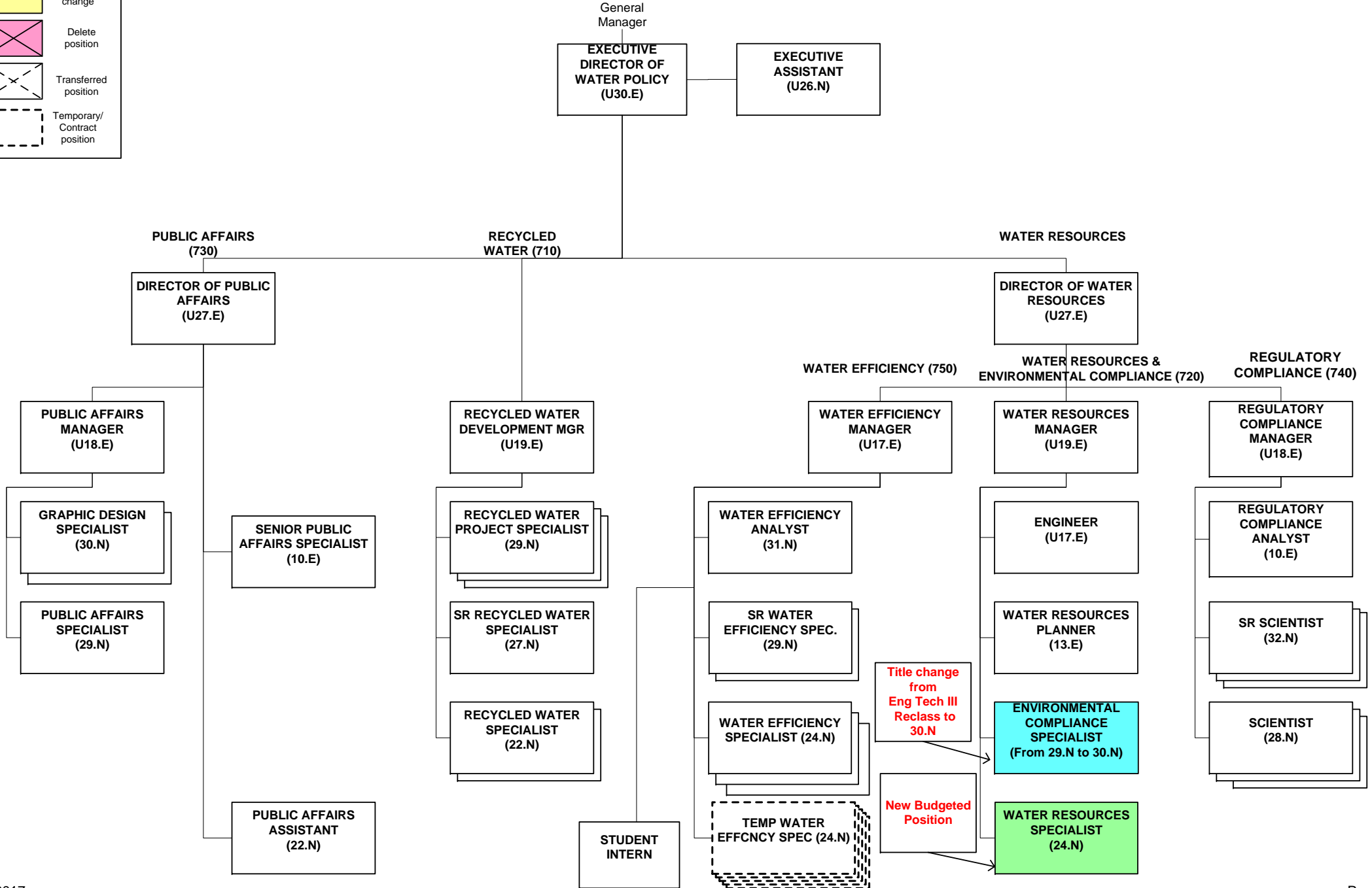
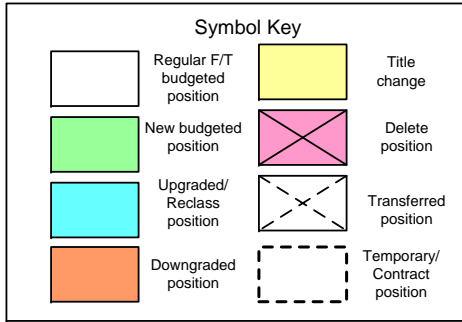


RECYCLED WATER DEVELOPMENT

OPERATING BUDGET SUMMARY

- Work with other stakeholders in Orange County to develop standards for the on-going inspection and testing of recycled water use sites which can be a template used by other agencies throughout the state; and
- Seek opportunities to dual-plumb hotels, condominiums, and apartment properties.

**IRVINE RANCH WATER DISTRICT
WATER RESOURCES AND POLICY
FISCAL YEAR 2017-18**



Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Water Resources and Policy		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Recycled Water Development</u>						
710	Regular Labor	1,268,393	625,947	897,840	611,704	(286,136)
710	Overtime Labor	44,696	(850)	0	4,000	4,000
710	Contract Labor	440,840	5,771	97,100	46,000	(51,100)
710	Operating Supplies	128,817	68,899	60,000	30,000	(30,000)
710	Printing	45	143	500	500	0
710	Postage	2,944	910	2,000	2,000	0
710	Permits, Licenses and Fees	38,100	11,060	40,000	75,000	35,000
710	Office Supplies	3,605	1,536	4,000	4,000	0
710	Rep & Maint IRWD	26,186	73	0	0	0
710	Engineering Fees	73,187	33,000	108,000	115,000	7,000
710	Personnel Training	18,015	4,430	16,000	14,000	(2,000)
710	Other Professional Fees	862,443	281,660	576,600	458,600	(118,000)
710	Mileage Reimbursement	16	0	0	0	0
710	Conservation	2,294,006	(10,949)	0	0	0
Total Recycled Water Development		5,201,293	1,021,630	1,802,040	1,360,804	(441,236)



WATER RESOURCES AND ENVIRONMENTAL COMPLIANCE

OPERATING BUDGET SUMMARY

Program Description

The Water Resources and Policy 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 program, regulatory requirements and public affairs.

Water Resources and Environmental Compliance: The Water Resources and Environmental Compliance Department is responsible for the development of water supply programs and banking projects primarily 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 during wet periods and storing them for future use in groundwater banking projects in Kern County. The Department is also responsible for exploring and developing potential local water supply reliability opportunities. The District's efforts in the development of these programs and projects are needed in response to stressors on water supply reliability such as environmental pressures in the Delta, expanding statewide population, climate change, and expanding regulatory requirements.

This department is responsible for the planning and development of the District's water banking programs. In addition, this department is responsible for 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. It 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, Kern County Water Agency and Metropolitan Water District of Southern California. This department is also responsible for the participation of IRWD-owned lands located in the Palo Verde Irrigation District (PVID) in MWD's existing fallowing program and any new water conservation related programs that MWD and PVID implement in the future.

Other responsibilities of the Water Resources and Environmental Compliance department include managing the District's environmental compliance programs, and overseeing the District's salt management, energy efficiency and renewable energy planning activities. The environmental compliance programs focus on fulfilling the District's compliance requirements for the operation of potable water and wastewater systems operations, facility replacements and the construction of new facilities.



WATER RESOURCES AND ENVIRONMENTAL COMPLIANCE

OPERATING BUDGET SUMMARY

Major Goals

WATER RESOURCES

- Bank 90,000 AF of water for IRWD, develop 70 cfs of extraction and additional recharge and storage capacity as needed for IRWD and its water banking partners;
- Negotiate a MWD Policy for the delivery of MWD system water to IRWD's Kern County Banking Projects;
- Implement long-term unbalanced exchange agreements with Central Coast Water Authority, Carpinteria Valley Water District, Castaic Lake Water Agency and/or Antelope Valley-East Kern Water Agency and others;
Renew a multi-year unbalanced exchange among Dudley Ridge Water District, MWD and Kern County Water Agency that facilitates exchanges of IRWD's SWP water allotment associated with the Jackson Ranch;
- Develop and execute a one-year exchange agreement with Buena Vista Water Storage Agreement for pre-1914 Kern River water to be delivered to the Stockdale Integrated Banking Project;
- Develop a business plan for IRWD's water banking projects and programs;
- Execute long term exchange agreements to facilitate exports of Kern River water to IRWD service area;
- Participate in water conservation programs implemented by MWD and Palo Verde Irrigation District, such as land fallowing, which can make water available for other uses;
- Investigate land fallowing and water transfer opportunities;
- Investigate opportunities to purchase State Water Project Table A entitlement;
- Construct Drought Relief Project recovery and conveyance facilities;
- Increase IRWD's amount of water stored in Southern California; and,
- Identify, evaluate and secure land for the additional third property under the Stockdale Integrated Banking Project for joint use with Rosedale.

ENVIRONMENTAL COMPLIANCE

- Investigate fully developing the District's rights to the use of San Diego Creek flows; Investigate developing a mitigation credit inventory for the District's San Joaquin Marsh; and,
- Fulfill the District's environmental compliance requirements for capital projects, replacements and operations including the development and approval of Mitigated Negative Declarations, Environmental Impact Reports and Notices of Exemption.

ENERGY AND OTHER PLANNING

- Implement recommendations from Embedded Energy Plan;
- Evaluate the impact varying water supplies on maintaining the District's salt balance;
- Update Energy Master Plan;
- Seek grant opportunities for District energy projects;



WATER RESOURCES AND ENVIRONMENTAL COMPLIANCE

OPERATING BUDGET SUMMARY

- Participate in SCE's Direct Access Program; and,
- Maximize participation in the Preferred Resources Program.

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Water Resources and Policy		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Water Resources and Environmental Compliance</u>						
720	Regular Labor	592,066	292,424	603,590	992,638	389,048
720	Overtime Labor	191	65	800	400	(400)
720	Contract Labor	6,361	41,008	23,290	0	(23,290)
720	Electricity	21,851	0	8,820	8,820	0
720	Permits, Licenses and Fees	84,440	215,141	263,500	732,000	468,500
720	Office Supplies	198	0	0	0	0
720	Rep & Maint IRWD	223,042	142,409	368,500	608,900	240,400
720	Engineering Fees	890	0	0	0	0
720	Personnel Training	3,671	969	3,000	0	(3,000)
720	Other Professional Fees	16,331	49,448	26,100	56,000	29,900
Total Water Resources and Environmental Compliance		949,041	741,464	1,297,600	2,398,758	1,101,158



PUBLIC AFFAIRS

OPERATING BUDGET SUMMARY

Program Description

The Water Resources and Policy 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 program, regulatory requirements and public affairs.

PUBLIC AFFAIRS:

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; and
- Promoting transparency and easy to access information.

Major Goals

WATER EFFICIENCY OUTREACH

- Educate customers on efficient water use practices using multiple outreach platforms including resident tours of IRWD facilities, open houses, print, electronic media, and the internet;
- Educate customers about reducing outdoor water use with the RightScape program;
- Provide students in the IRWD service area with learning opportunities regarding water supply, water reliability, tap water and water use efficiency programs. Promote water education programs to schools in the IRWD service area; and
- Develop and implement next phase of customer drought outreach program.

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;
- Develop and implement tap water outreach program;
- Enhance communications with customers through a targeted media outreach and public communications program including consistent and timely updates for construction and maintenance projects; and
- Provide enhanced customer outreach initiatives based on customer feedback programs.



PUBLIC AFFAIRS

OPERATING BUDGET SUMMARY

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.

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Water Resources and Policy		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
Public Affairs						
730	Regular Labor	0	267,138	681,500	681,630	130
730	Overtime Labor	31,212	12,651	27,000	33,000	6,000
730	Contract Labor	63,705	0	0	0	0
730	Operating Supplies	16	0	700	700	0
730	Printing	44,784	21,671	62,800	78,800	16,000
730	Postage	0	45	200	200	0
730	Office Supplies	3,341	974	6,000	6,000	0
730	Personnel Training	5,894	1,071	12,400	11,400	(1,000)
730	Other Professional Fees	1,319,826	199,062	1,599,800	1,402,300	(197,500)
730	Mileage Reimbursement	58	0	0	0	0
Total Public Affairs		1,468,836	502,612	2,390,400	2,214,030	(176,370)



REGULATORY COMPLIANCE

OPERATING BUDGET SUMMARY

Program Description

The Water Resources and Policy 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 program, regulatory requirements and public affairs.

Regulatory Compliance: The Regulatory Compliance group plans and manages District-wide programs to ensure the District complies with all environmental regulations governing water, sewage and groundwater discharges. This includes the collection of all required samples of water, sewage and recycled water from distribution systems, treatment facilities, storage reservoirs, wetland operations and customer facilities to ensure quality services and products are served to our customers. Regulatory Compliance 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, Universal Waste, Biosolids Compliance and the Air Quality Program, including MWRP's Title V Permit. The regulatory mandated Fats, Oils and Grease (FOG) Program that requires the District to control FOG from entering its collections system is also managed by Regulatory Compliance staff. The FOG program consists of permitting, plan checks, inspections and enforcement of Food Service Establishments (FSE) in the District's service area. Regulatory Compliance participates with the Orange County Sanitation District and South Orange County Wastewater Authority to co-manage the implementation of the District's Industrial Pretreatment Program. Regulatory Compliance is an active participant in representing the District at the Southern California Alliance of Publicly Owned Treatment Works (SCAP) and the California Association of Sanitation Agencies Regulatory Work Group (CASA RWG) Committee meetings for Air and Water Issues.

Major Goals

REGULATORY COMPLIANCE:

- Ensure the District operates in full compliance with all applicable federal, state and local environmental, water and air quality laws and regulations;
- Respond to Water Quality Customer Contacts and investigate the customer's concern;
- Determine required monitoring programs to address all regulatory requirements for potable, sewage and recycled water;
- Coordinate with other agencies with respect to Industrial Waste Pretreatment Programs and other projects;
- Research and provide recommendations for an IRWD implemented Industrial Waste Pretreatment Program;



REGULATORY COMPLIANCE

OPERATING BUDGET SUMMARY

- Evaluate requirements and options for long-term operation of the Fats, Oils and Grease (FOG) Program;
- Plan, organize and supervise the work of the Compliance Monitoring Group;
- Collect potable system distribution and storage samples to comply with the Department of Drinking Water (DDW) monitoring plan and to proactively identify any developing quality issues in the system;
- Implement and manage the District's School Lead Sampling Program;
- Collect MWRP and LAWRP samples to assure proper operation of the treatment facilities and compliance with each facilities' NPDES permit;
- Assist and provide resources to other departments with environmental, water and air permitting issues;
- Ensure compliance with all non-major and Title V air permit requirements for testing and reporting;
- Participate in industry stakeholder groups for air, water and biosolids regulatory issues;
- Prepare and submit new and renewal permit applications for routine activities, equipment and projects; and
- Assist in the development of environmental quality projects and coordinate research activities.

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Water Resources and Policy		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
Regulatory Compliance						
740	Regular Labor	0	342,367	694,485	730,756	36,271
740	Overtime Labor	52,723	29,769	76,770	73,960	(2,810)
740	Contract Labor	0	15,946	0	14,500	14,500
740	Operating Supplies	55,585	32,082	61,100	59,400	(1,700)
740	Postage	109	1,326	800	800	0
740	Permits, Licenses and Fees	366,160	400,207	504,245	523,245	19,000
740	Office Supplies	97	372	800	800	0
740	Rep & Maint OCSD & Other	2,049	0	2,000	2,000	0
740	Rep & Maint IRWD	201,442	110,532	256,500	258,000	1,500
740	Engineering Fees	99,330	52,998	162,300	262,200	99,900
740	Personnel Training	8,145	1,464	10,000	9,400	(600)
740	Other Professional Fees	1,366	625	2,400	2,400	0
740	Safety	0	0	2,000	2,000	0
Total Regulatory Compliance		787,006	987,688	1,773,400	1,939,461	166,061



WATER EFFICIENCY

OPERATING BUDGET SUMMARY

Program Description

The Water Resources and Policy 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 and public affairs.

Water Efficiency: Demand management programs directly offset the need for developing additional water supplies and are a critical element 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 water use efficiency and sewage resource recycling. An updated Water Use Efficiency Plan was adopted in December 2013. The focus was shifted beginning in fiscal year 2015-16 in response to a state mandated conservation target in response to the statewide drought. As a result of significantly improved hydrologic conditions, staff anticipates transitioning back to implementing the District's long-term water efficiency programs. Water efficiency programs including the outdoor efficiency RightScape program, new data reporting technologies to engage customers, tactical incentives and participation in innovative pilots and research that maintain IRWD's leadership position are incorporated into the fiscal year 2017-18 budget. IRWD will continue to be engaged in the development and implementation of local, regional, state-wide and national water efficiency and demand management policies.

Major Goals

WATER EFFICIENCY

- Assist IRWD customers in meeting state mandated water efficiency goals through ongoing implementation of enhanced outreach and cost-effective demand management programs;
- Develop partnerships with private and public entities to leverage the effectiveness and reach of water efficiency programs;
- Research and implement, as appropriate, new technologies and innovative programs to assist customers with improving their water use efficiency with a special emphasis on the RightScape outdoor conservation program;
- Continue to partner with commercial, industrial and institutional customers to implement cost-effective water use efficiency programs;
- Continue to support and expand enhanced customer engagement and reporting as a tool to motivate additional water use efficiency;
- Continue to support and expand educational programs for the professional landscape industry; Implement the use of enhanced GIS data to improve customer allocation-setting, outreach and programs targeted toward outdoor water use;
- Actively participate in statewide policy discussions addressing the water-energy nexus;



WATER EFFICIENCY

OPERATING BUDGET SUMMARY

- Actively engage in discussions with the State Water Resources Control Board, the Department of Water Resources and other stakeholders on implementation of state's Long Term Conservation Framework for efficient water use that balances local conditions and supplies, recycled water, prior conservation, growth and other equity adjustments;
- Establish the appropriate metrics and quantify water efficiency targets; and,
- Evaluate water use efficiency programs and Water Use Efficiency Plan.

Irvine Ranch Water District
Consolidated Operating Expense Budget for FY 2017-18

Water Resources and Policy		2015-16 Actual	2016-17 Actual thru 12/31/16	2016-17 Orig Budget	2017-18 Prop Budget	Incr/(Decr)
Dept No	Expense Name					
<u>Water Efficiency</u>						
750	Regular Labor	0	0	474,200	542,316	68,116
750	Overtime Labor	0	8,573	36,000	16,000	(20,000)
750	Contract Labor	0	135,530	128,560	70,000	(58,560)
750	Operating Supplies	0	271	5,000	2,500	(2,500)
750	Office Supplies	0	390	0	0	0
750	Rep & Maint IRWD	0	2,884	30,000	30,000	0
750	Personnel Training	0	13,644	16,000	17,500	1,500
750	Other Professional Fees	0	70,989	288,000	238,000	(50,000)
750	Conservation	0	(633,607)	2,964,500	2,012,000	(952,500)
Total Water Efficiency		0	(401,326)	3,942,260	2,928,316	(1,013,944)
<hr/>						
Total Water Resources and Policy		8,406,176	2,852,068	11,205,700	10,841,369	(364,331)
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GRAND TOTAL		121,711,607	63,691,613	150,341,200	153,160,718	2,819,518



GENERAL PLANT

SUMMARY*

	Fiscal Year 2017-18	Fiscal Year 2016-17	Increase (Decrease)	% Inc/(Dec)
Information Systems	\$ 681,800	\$ 696,700	\$ (14,900)	-2.14%
Transportation Equipment	580,000	563,000	17,000	3.02%
Laboratory Equipment	453,060	280,000	173,060	61.81%
Office Furniture and Equipment		119,500	(119,500)	-100.00%
Equipment	587,100	3,847,900	(3,260,800)	-84.74%
Structures/Improvements- Sand Canyon.MWRP	210,000	72,500	137,500	189.66%
Sub-Total	\$ 2,511,960	\$5,579,600	(\$3,067,640)	-122.12%
Less: Vehicle Salvage Value	(22,000)	(23,500)	1,500	-
Total General Plant	<u>\$ 2,489,960</u>	<u>\$ 5,556,100</u>	<u>\$ (3,066,140)</u>	<u>-123.14%</u>

Fiscal Year 2017-18

Funded by User Charges	\$1,627,910	65.38%
Funded by Capital Funds	655,300	26.32%
Funded by Overalllocation Rev	206,750	8.30%
Total Fiscal Year 2017-18	<u>\$2,489,960</u>	<u>100.00%</u>

Fiscal Year 2016-17

Funded by User Charges	\$ 4,466,200	80.38%
Funded by Capital Funds	1,009,900	18.18%
Funded by Overalllocation Rev	80,000	1.44%
Total Fiscal Year 2016-17	<u>\$5,556,100</u>	<u>100.00%</u>

* General Plant is included in the Capital Budget beginning FY 2016-17. The asset listing detail is included in the Capital Budget book. Staff will continue to include a summary that identifies the funding source in the Operating Budget.



GENERAL PLANT ANALYSIS

Description	Administration	Finance & Administrative Services	Engineering & Planning	Operations	Water Policy	Total
Information Systems and Technology	\$ -	\$ 624,800	\$ -	\$ 57,000	\$ -	\$ 681,800
Laboratory Equipment				78,000	375,060	453,060
Other General Plant						-
Office Furniture						-
Work Class Equipment				587,100		587,100
Transportation				580,000		580,000
Structures/Improvements - Sand Canyon/MWRP				210,000		210,000
Subtotal	\$ -	\$ 624,800	\$ -	\$ 1,512,100	\$ 375,060	\$ 2,511,960
Less Vehicle Salvage Value	-	-	-	(22,000)	-	(22,000)
Total Fiscal Year 2017-18	\$ -	\$ 624,800	\$ -	\$ 1,490,100	\$ 375,060	\$ 2,489,960
Total Fiscal Year 2016-17	-	696,700	-	4,635,400	224,000	5,556,100
Increase/(Decrease)	\$ -	\$ (71,900)	\$ -	\$ (3,145,300)	\$ 151,060	\$ (3,066,140)



CONSOLIDATED

GENERAL PLANT BUDGET

TASK		Item Description	Quantity	Price	Proposed 2017-18
Department:		INFORMATION SERVICES			
250	8030.250.1	iPad Replacement	25	\$ 792	\$ 19,800
250	8030.250.2	iPads - Water Use Efficiency Department	5	800	4,000
250	8031.250.1	Network Disk Storage Expansion and Replacement	1	245,000	245,000
250	8031.250.2	Audio Visual Equipment - OPS Center Biosolids Conference Room	1	6,000	6,000
250	8031.250.3	Server Replacement - Automation Department	1	22,000	22,000
250	8031.250.4	Debt and Investment Management Software	1	65,000	65,000
250	8041.250.1	PC Replacement	77	1,818	140,000
250	8041.250.2	Laptop Computer Replacement	19	2,447	46,500
250	8041.250.3	Tablet Computer Replacement	6	2,083	12,500
250	8041.250.4	Tablet Computers - Automation Department	6	3,167	19,000
250	8041.250.5	Tablet Computers - Biosolids Operations Department	7	3,143	22,000
250	8041.250.6	PC Replacement - Automation Department	7	929	6,500
250	8041.250.7	Tablet Computers - Water Quality Department	8	2,063	16,500
Sub-Total					\$ 624,800
Department:		NTS OPERATIONS			
515	8036.515.1	(3) Solar Mixers	3	\$ 26,000	\$ 78,000
Sub-Total					\$ 78,000
Department:		AUTOMATION DEPARTMENT			
520	8033.520.1	(7) SCADA Desktop Computers-MWRP SCADA System Operation	7	\$ 1,000	\$ 7,000
520	8033.520.2	(2) Dell Computer Servers-SCADA System	2	25,000	50,000
Sub-Total					\$ 57,000
Department:		WATER QUALITY			
600	8031.600.1	Misc. Laboratory Equipment for Unplanned Projects and Regulatory	1	\$45,000	\$ 45,000
600	8031.600.1	Laboratory Equipment for Biosolids and Energy Recovery Project.	1	\$25,000	\$ 25,000
600	8036.600.1	Laboratory Instrumentation for Future Biosolids and Energy Recovery Project.	1	\$55,000	\$ 55,000
600	8036.600.2	Existing Laboratory Equipment Replacement	1	\$162,000	\$ 162,000
600	8036.600.2	Laboratory Recirculating Deionized Water System	1	\$44,000	\$ 44,000
Sub-Total					\$ 331,000
Department:		REGULATORY COMPLIANCE			
740	8031.740.1	Multi parameter water quality monitoring sondes for receiving water	1	\$ 23,060	\$ 23,060
740	8031.740.2	Sigma automated samper used for sampling of LAWRP regulatory	1	\$ 8,000	\$ 8,000
740	8031.740.3	Sigma automated samper used for sampling of MWRP regulatory	1	\$ 8,000	\$ 8,000
740	8031.740.4	Rehabilitation/Replace of regulatory compliance sampling equipment	1	\$ 5,000	\$ 5,000
Sub-Total					\$ 44,060
Department:		MECHANICAL SERVICES			
840	8030.840.1	Vibexpert II - 2 channel system (part# VIB 5.310-2)	1	\$ 20,000	\$ 20,000
Sub-Total					\$ 20,000

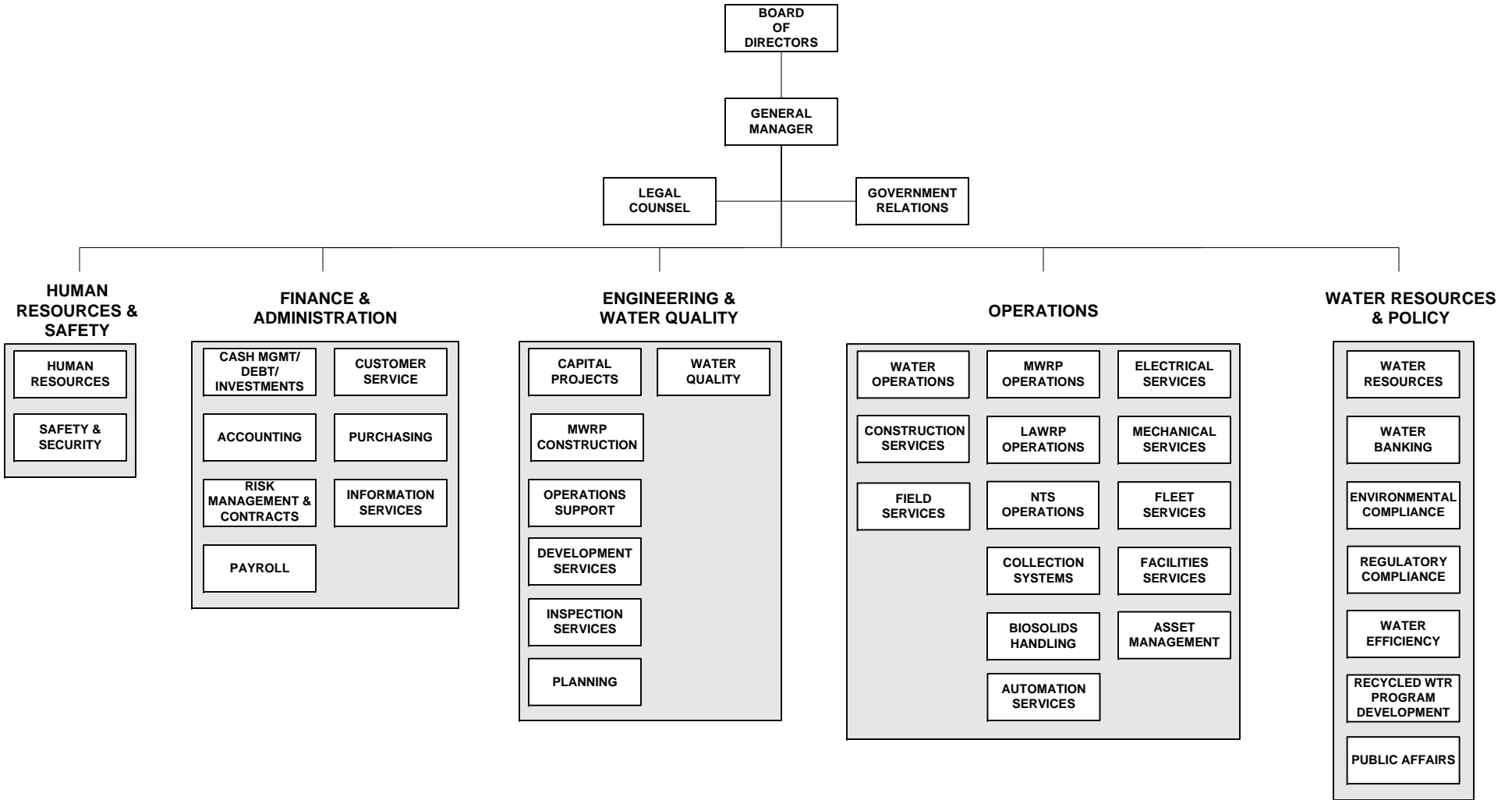


CONSOLIDATED

GENERAL PLANT BUDGET

TASK	Item Description	Quantity	Price	Proposed 2017-18
Department:				
	FACILITIES SERVICES			
850 8037.850.1	Michelson Operations Center Computer Room HVAC	1	\$ 185,000	\$ 185,000
850 8037.850.2	Sand Canyon HQ Central Plant HVAC Controller	1	25,000	25,000
	Sub-Total			\$ 210,000
Department:				
	FLEET SERVICES			
870 8037.870.1	Electric Cart (Warehouse)	1	\$ 10,500	\$ 10,500
870 8036.870.1	Boat, Controls, Engine, and Trailer	1	\$ 14,600	\$ 14,600
870 8036.870.2	(2) Amphibious ATV's and Storage Containers	1	\$ 51,500	\$ 51,500
870 8036.870.3	Forklift, Electric	1	\$ 38,400	\$ 38,400
870 8036.870.4	Utility Cart, Electric	1	\$ 13,500	\$ 13,500
870 8036.870.5	Scissor Lift, Electric	1	\$ 32,100	\$ 32,100
870 8038.870.1	Backhoe Loader	1	\$ 130,000	\$ 130,000
870 8038.870.2	CCTV Inspection Vehicle	1	\$ 199,500	\$ 199,500
870 8038.870.3	24K LB. Boom Crane (Crane Truck)	1	\$ 290,000	\$ 290,000
870 8055.870.1	Light Duty Pickup, 2WD	1	\$ 27,500	\$ 27,500
870 8055.870.10	Light Duty SUV, 2WD	1	\$ 27,000	\$ 27,000
870 8055.870.11	Medium Duty Pickup 2WD, DRW	1	\$ 37,000	\$ 37,000
870 8055.870.2	Medium Duty Pickup, 4WD w/utility bed	1	\$ 38,300	\$ 38,300
870 8055.870.3	Medium Duty Pickup, 2WD	1	\$ 27,500	\$ 27,500
870 8055.870.4	Medium Pickup, 4WD	1	\$ 31,400	\$ 31,400
870 8055.870.5	Medium Pickup, 4WD	1	\$ 31,400	\$ 31,400
870 8055.870.5	Medium Pickup, 4WD	1	\$ 31,400	\$ 31,400
870 8055.870.5	Medium Pickup, 4WD	1	\$ 31,400	\$ 31,400
870 8055.870.5	Medium Pickup, 4WD	1	\$ 31,400	\$ 31,400
870 8055.870.6	Light Duty Pickup, 2WD	1	\$ 27,500	\$ 27,500
870 8055.870.7	Light Duty SUV, 2WD	1	\$ 27,000	\$ 27,000
870 8055.870.8	Medium Duty Pickup, 2WD	1	\$ 29,600	\$ 29,600
	Sub-Total			\$1,147,100
Total General Plant				<u>\$2,511,960</u>

**Irvine Ranch Water District
Organizational Chart
(By Function)
Fiscal Year 2017-18**





POSITIONS BY COST CENTER

THREE YEAR PERSONNEL COMPARISON

Department	Authorized Positions		
	2015-16	2016-17	2017-18
Administration			
Number of Positions	14.0	15.0	15.0
% change from prior year	27.3 %	7.1 %	0.0 %
Finance and Administrative Services			
Number of Positions	75.0	80.0	81.0
% change from prior year	5.6 %	6.7 %	1.3 %
Engineering			
Number of Positions	40.0	42.0	44.0
% change from prior year	5.3 %	5.0 %	4.8 %
Water Quality			
Number of Positions	20.0	20.0	20.0
% change from prior year	(28.6) %	0.0 %	0.0 %
Water Policy			
Number of Positions	34.0	36.0	37.0
% change from prior year	25.9 %	5.9 %	2.8 %
Water Operations			
Number of Positions	71.0	73.0	77.0 *
% change from prior year	1.4 %	2.8 %	5.5 %
Recycling Operations			
Number of Positions	48.0	50.0	55.0
% change from prior year	11.6 %	4.2 %	10.0 %
Maintenance			
Number of Positions	50.0	52.0	48.0 **
% change from prior year	4.2 %	4.0 %	(7.7) %
Total Number of Positions	352.0	368.0	377.0
Number of Changed Positions	<u>16.0</u>	<u>16.0</u>	<u>9.0</u>
% Change From Prior Year	<u>4.8 %</u>	<u>4.5 %</u>	<u>2.4 %</u>

* Operations Administration is part of Water Operations.

** For FY 2017-18, one position is budgeted to start January 2018.



SALARIES AND WAGES

SUMMARY OF SALARIES AND WAGES

(in thousands)

	Total	Administration	Finance & Administrative Services	Engineering	Water Quality	Water Policy	Water Operations	Recycling Operations	Maintenance
Current Authorized:									
Gross Pay	\$30,778	\$1,613	\$6,275	\$4,353	\$1,690	\$3,338	\$5,770	\$4,242	\$3,498
Annual Increase	1,354	69	280	\$193	\$72	\$154	\$266	\$167	\$153
Sub-Total Regular Salaries & Wages	32,132	1,682	6,555	4,546	1,762	3,492	6,037	4,409	3,651
New Positions:									
Gross Pay	723	0	109	\$166	\$0	\$68	\$171	\$0	\$210
Total Regular Salaries & Wages	32,855	1,682	6,663	4,712	1,762	3,559	6,208	4,409	3,860
Insurance and Benefits	7,768	398	1,575	1,114	417	841	1,468	1,042	913
Employment Tax & PERS Contributions	9,598	491	1,947	1,377	515	1,040	1,813	1,288	1,128
Total Regular Salaries & Wages, health Insurance and employment taxes	\$50,221	\$2,571	\$10,185	\$7,203	\$2,694	\$5,440	\$9,489	\$6,739	\$5,901
Employee Count:	377	15	81	44	20	37	77	55	48



BENEFITS AND EMPLOYMENT TAX

HEALTH INSURANCE AND EMPLOYER CONTRIBUTIONS

(in thousands)

	<u>FY 2016-17</u>	<u>FY 2017-18</u>	<u>Change</u>
Insurance and Benefits			
Health Ins Actives	\$5,019	\$5,220	\$201
Dental Premiums	419	421	2
Wrkrs Comp Premiums	708	660	(48)
Wrkrs Comp Paid Claims	758	612	(146)
Life Ins Actives	185	150	(35)
LT Disability Premiums	104	103	(1)
Medical Premiums - Retirees	123	115	(8)
Vision Benefit Premiums	80	85	5
RHCAP Payments - OPEB	360	325	(35)
Life Ins Retirees	33	14	(19)
Other	54	63	9
	<u>\$7,843</u>	<u>\$7,768</u>	<u>(\$75)</u>
Employment Tax and PERS			
PERS Employer Portion	\$6,033	\$6,340	\$307
PERS In Excess Of ARC	1,781	1,872	91
401A Employer Match Portion	734	734	0
401A Employer Direct Portion	60	126	66
Medicare Tax	437	476	39
St Unemployment Tax	50	50	0
	<u>\$9,095</u>	<u>\$9,598</u>	<u>\$503</u>
Total Insurance, Benefits, and Taxes	<u>\$16,938</u>	<u>\$17,366</u>	<u>\$428</u>

FY 2017/18 Budget
Summary of Proposed Budgeted Personnel Changes

Proposed Changes to Existing Budgeted Positions						
Dept	Job Title	Current Sal Grade	Proposed Action	Proposed Job Title	Proposed Sal Grade	Salary Costs
210	Treasury Analyst	31.N	Reclass 1 Position	Treasury Analyst	12.E	\$4,500
210	Senior Accountant	U11.E	Reclass 3 Positions	Accounting Supervisor	U13.E	\$12,000
300	Construction Inspector III	31.N	Title Change 2 positions	Senior Construction Inspector	31.N	\$0
300	Construction Inspector II	28.N	Title Change 3 positions	Construction Inspector	28.N	\$0
300	Development Services Specialist	15.N	Reclass 2 Positions	Development Services Specialist	19.N	\$8,100
300	Engineering Technician III	29.N	Downgrade 1 Position	Development Services Specialist	19.N	-\$19,200
515	Wetlands Specialist	24.N	Upgrade 1 Position	Wetlands Scientist	32.N	\$8,040
550	Operator III	29.N	Upgrade 1 Position	Process Specialist	32.N	\$3,600
720	Engineering Technician III	29.N	Upgrade 1 Position	Environmental Compliance Specialist	30.N	\$900
805	Analyst	10.E	Title Change 2 positions	Management Analyst	10.E	\$0
Subtotal						<u>\$17,940</u>

Proposed Deleted Positions			
Dept	Job Title	Sal Grade	Salary Costs
220	Mail Coordinator	6.N	-\$42,000
Subtotal			<u>-\$42,000</u>

Proposed New Positions			
Dept	Job Title	Sal Grade	Salary Costs
220	Customer Service Field Technician	16.N	\$49,200
250	Senior Applications Analyst	U18.E	\$109,200
300	Construction Inspection Supervisor	U34.N	\$88,800
300	Construction Inspector	28.N	\$74,400
420	Operations Supervisor	U35.N	\$91,200
420	Operator III	29.N	\$76,800
830	Asset Maintenance Coordinator	32.N	\$84,000
830	Asset Maintenance Coordinator	32.N	\$84,000
830	Asset Systems Analyst	10.E	\$41,400
720	Water Resources Specialist	24.N	\$66,000
Subtotal			<u>\$765,000</u>

To be filled 1/2018

Total \$740,940



LABOR

PROPOSED LABOR CHANGES

Proposed Personnel Budget Changes Reflected in the FY 2017/18 Operating Budget

Title and Salary Grade Changes for Existing Positions/Job Titles:

Finance (210):

Treasury Analyst (From Salary Grade 31.N to Salary Grade 12.E)

This reclass is being requested to more properly reflect the increased duties and new responsibilities of this position.

Senior Accountant (Salary Grade U11.E) (3 positions) ➔ Accounting Supervisor (Salary Grade U13.E)

This position upgrade is being requested to more properly reflect the higher level duties and responsibilities of the position.

Engineering (300):

Construction Inspector III (Salary Grade 31.N) (2 positions) ➔ Senior Construction Inspector (Salary Grade 31.N)

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

Construction Inspector II (Salary Grade 28.N) (3 positions) ➔ Construction Inspector (Salary Grade 28.N)

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

Development Services Specialist (From Salary Grade 15.N to Salary Grade 19.N) (2 positions)

This position reclass is being requested to more properly reflect the specific duties and responsibilities of the position.

Engineering Technician III (Salary Grade 29.N) ➔ Development Services Specialist (Salary Grade 19.N)

This position downgrade is being requested to more properly reflect the specific duties and responsibilities of this position.



LABOR

PROPOSED LABOR CHANGES

Natural Treatment Systems (515):

Wetlands Specialist (Salary Grade 24.N) ➔ Wetlands Scientist (Salary Grade 32.N)
This position upgrade is being requested to more properly reflect the higher level duties and responsibilities of this position.

MWRP Operations (550):

Operator III (Salary Grade 29.N) ➔ Process Specialist (Salary Grade 32.N)
This position upgrade is being requested to more properly reflect the higher level duties and responsibilities of this position.

Water Resources and Policy (720):

Engineering Technician III (Salary Grade 29.N) ➔ Environmental Compliance Specialist (Salary Grade 30.N)
This position upgrade and title change is being requested to more properly reflect the specific duties and responsibilities of this position.

Operations Administration (805):

Analyst (Salary Grade 10.E) ➔ Management Analyst (Salary Grade 10.E)
This title change is being requested to more properly reflect the specific duties and responsibilities of the position.

Eliminated Positions:

Mailroom Coordinator (Salary Grade 6.N) (one position) –
This position is being eliminated due to increased efficiency in current processes and cross-training of current customer service staff.

New Positions:

Customer Service (220):

Customer Service Field Technician (Salary Grade 16.N) – one position
This position is required to due to increased workload in the customer service department resulting from increased development. This position is currently staffed by temporary labor.

Information Services (250):

Senior Applications Analyst (Salary Grade 15.N) – one position
This position is required to support the high level of complexity in the District's tier one Oracle Enterprise Applications. This position is currently filled by contract labor.



LABOR

PROPOSED LABOR CHANGES

Engineering (300):

Construction Inspection Supervisor (Salary Grade U34.N) – one position

This position is required due to an increase in workload in the inspection services group as a result of an increase in active construction projects.

Construction Inspector (Salary Grade 28.N) - one position

This position is required due to an increase in workload in the inspection services group as a result of an increase in active construction projects.

Water Operations (420):

Operations Supervisor (Salary Grade U35.N) – one position

This position is required to provide a high level of on-site monitoring on a daily basis to maintain uninterrupted water production at the Baker Water Treatment Plant.

Operator III (Salary Grade 29.N) – one position

This position is required to manage the increased workload in Water Operations as a result of the growth and complexity of IRWD's water system assets.

Water Resources and Policy (720):

Water Resources Specialist (Salary Grade 24.N) – one position

This position is required due to the increased workload in water resources as a result of IRWD's supply reliability program which has significantly expanded over the past year.

Asset Systems (830):

Asset Maintenance Coordinator (Salary Grade 32.N) – two positions

These positions are required to manage the District's new Enterprise Asset Management (EAM) program and the implementation of its software program including the database and for planning and scheduling predictive, reactive, and preventive maintenance activities.

Asset Systems Analyst (Salary Grade 10.E) – one position

This position is required to manage the District's new Enterprise Asset Management (EAM) program and the implementation of its software program including data management and report generation.

Exhibit "B"



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

Background

The Irvine Ranch Water District is a public agency that provides water and sewer service. Our rates are based on the actual cost to provide these services and are set each year during the annual budget process. The budget is adopted by the Board of Directors and goes into effect on July 1. A critical IRWD business objective is to keep costs, and therefore rates, as low as possible for our customers. When compared with other agencies providing similar services in Orange County, IRWD's rates are consistently among the lowest.

Basic Components of Residential Rates

- **Commodity Charge** is based on the amount of water used both inside and outside the home each month. It is based on the cost of local and imported water.
- **Fixed Service Charges** do not vary each month and include costs for operations, maintenance and infrastructure. There are separate service charges for water and sewer service.

Commodity Charge:

Commodity charges are billed monthly based on the actual volume of water used. Customers are billed in tiers based on the actual water used as a percentage of the monthly water budget. A description of how monthly water budgets are determined is described below in the section *Monthly Water Budgets, Rate Calculator & Sample Bills Available on Website*. For FY 2017-18, IRWD is proposing a commodity charge increase shown in the chart below. The Low Volume rate tier rewards customers who use the least amount of water, which reduces the need for IRWD to purchase more expensive water supplies. The Base rate tier is for customers that stay within their monthly water budget allocation. The Inefficient and Wasteful tiers are for customers that exceed their monthly water budget. The standard Billing Unit is called a ccf (hundred cubic feet) and is equal to 748 gallons of water.

Proposed Residential Commodity Rates				
Tier	% of Monthly Water Budget Residential with Outdoor	% of Monthly Water Budget Multi-Family with No Outdoor	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Low Volume	0 -40 %	0-50%	\$ 1.21	\$ 1.36
Base Rate	41 -100%	51-100%	\$ 1.65	\$ 1.70
Inefficient	101-140%	101-120%	\$ 4.01	\$ 4.09
Wasteful	141+	121+	\$12.01	\$12.06

Why Did the Cost of Water Increase?

The main reasons for the change are due to uncontrollable costs attributed to:

- Pass through charges from the Orange County Water District (OCWD) for pumping local groundwater (11% increase) which is the lowest cost of water and therefore has the greatest impact on the Low Volume tier
- Pass through charges from the Metropolitan Water District (MWD) for imported water (the most expensive source of water) purchased through the regional wholesaler, the Municipal Water District of Orange County (MWDOC) (4% increase)

Understanding the IRWD Budget Based Rate Structure

Since 1991, IRWD customer bills have been calculated using a budget based rate structure. Usage up to 100 percent of the water budget is billed at the low volume and base rate. The rate structure uses property-specific allocations and tiered pricing to provide an economic incentive to encourage efficient water use.

- Each customer receives a monthly water budget that provides for a reasonable amount of water for indoor and outdoor use. It can be adjusted by a variance for more people living in the home, medical needs, additional irrigated landscape area or other special circumstances.
- The monthly water commodity charge is calculated based upon how much water is used
- If a customer goes over their monthly water budget, the water is billed at increasingly higher tiers based on IRWD's cost to provide the water.
- Costs associated with the purchase of additional imported water (the most expensive source of water for IRWD), urban runoff programs, water banking and water conservation programs are allocated to the higher tiers.

Monthly Water Budgets, Rate Calculator & Sample Bills Available on Website

To find out more information on the rate tiers, the types of usage that determine the monthly water budget, how the monthly water budget is calculated and to use the IRWD budget based rate calculator, please visit the IRWD website at www.irwd.com. The calculator shows how staying within your monthly water budget or exceeding it will affect your monthly bill. Provide your account number from a recent bill and you can see how your bill will be recalculated using the proposed rates, allocations and tiers, and any variances you have on your account. Sample bills are also provided as well as technical water budget formulas. Free internet access is available Monday – Friday from 8am to 5pm in the IRWD lobby at 15600 Sand Canyon Avenue, Irvine, CA.

Water & Sewer Fixed Service Charges:

Monthly service charges are fixed monthly charges which cover IRWD's cost of operations, maintenance and infrastructure and do not change based on the amount of a customers' water or sewer use. Monthly service charges are based on a 30 day calendar month so billing cycles which are longer or shorter than 30 days are billed based on the proportional number of days. The fixed charge includes an amount set aside for the future inevitable repair and replacement of infrastructure such as pipes, pumping stations and treatment facilities. This way, the District can avoid significant one time rate spikes when the repairs and replacements are made. These charges are not used to pay for facilities that extend service to new development.

Water Fixed Service Charges: The fixed monthly water service charges for the average residential customer are used to pay for operations and maintenance costs, including inevitable infrastructure enhancements and replacements. The charge is based on the size of your meter. No changes to the current fixed monthly charges are proposed.

Proposed Water Service Fixed Monthly Charges for System Operation and Maintenance (No Change)		
Residential meter size – homes, condos, apartments	Current Rates	Proposed Rates
5/8 x 3/4"	\$10.30/meter	No change
3/4" disc meter	\$15.45/meter	No change
1" disc meter	\$25.75/meter	No change
1 1/2" disc meter	\$51.50/meter	No change
2" disc meter	\$82.40/meter	No change
2" turbo meter	\$108.15/meter	No change
Residential master meter (shared) apartments and condominiums 5/8 x 3/4" meter	\$10.30/meter	No change
The current amount for your meter size appears on your bill. Customers that remain in the low volume tier for most of the year will have a larger percentage of their bill made up of the fixed charge. The baseline fixed charge is calculated on the meter's maximum flow capacity and the demand on the system. Customers that remain in the low volume tier for 9 out of 12 months will receive a \$2.00 credit per month which will be itemized on each bill. New customers do not receive this credit unless they have been with the District for a full calendar year.		

Sewer Fixed Service Charges: The proposed fixed monthly sewer service charges for the average residential customer are used to pay for operations and maintenance costs including inevitable infrastructure enhancements and replacements. The tiered sewer service fixed charge is based on the 3 months with the lowest potable water usage from the prior calendar year. New customers are billed at the highest tier until they have established a full calendar year of usage history.

Proposed Changes for Sewer Service Fixed Monthly Charges for System Operation and Maintenance (No Change)		
Usage	Current Rates	Proposed Rates
Average water usage exceeds 10 ccfs per month	\$25.75/month	No change
Average water usage falls between 5 and 10 ccfs	\$23.20/month	No change
Average water usage falls below 5 ccfs	\$19.30/month	No change
Collection Service Charge (based on flows)	\$8.40/month	No change
Treatment Service Charge (based on flows)		\$1.480/ccf

Pumping Surcharges: A pumping surcharge will be added to the commodity rate for those customers who reside at higher elevations and cause the District to incur additional pumping costs to supply their water. The surcharge is based on the actual prevailing energy costs and varies depending upon the elevation of the area served. If you live in an area affected by a pumping surcharge, the charge is itemized on your monthly bill. Please visit the IRWD website at www.irwd.com to see charges by zone.

Proposed Changes to Pumping Surcharges, Set-up and Reconnection Fees		
Component	Current Rates	Proposed Rates
Pumping Surcharges by Zone	\$0.21 to \$0.65/ccf	\$0.21 to \$0.64/ccf
One-time Setup Fee for New Accounts	\$25.00	No change
Shutoff Reconnection Fees	\$70.00 - \$95.00	No change

Automatic Pass-Through Adjustments

IRWD has used its best available information to calculate proposed increases in the cost of imported water IRWD purchases from MWD through MWDOC, the replenishment charges paid by IRWD to OCWD for pumping groundwater, and the cost for regional treatment of sewage paid by IRWD to the Orange County Sanitation District (OCSD). IRWD has no control over the amounts set by MWD, MWDOC, OCWD and OCSD (the "Regional Agencies"), and must pass those costs through to IRWD customers. 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.

Public Hearing

Any customers or property owners within the IRWD service area may file a written protest for the proposed rate increases 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 26 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 26, 2017 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 may be delivered in person at the hearing, and must be received prior to the conclusion of the June 26 public hearing.

Additional Information

For more information on IRWD's water efficiency programs, rebates and tips on how you can conserve, visit www.irwd.com. If you have any additional questions, please contact IRWD Customer Service at 949-453-5300.



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

Background

The Irvine Ranch Water District is a public agency that provides water and sewer service. Our rates are based on the actual cost to provide these services and are set each year during the annual budget process. The budget is adopted by the Board of Directors and goes into effect on July 1. A critical IRWD business objective is to keep costs, and therefore rates, as low as possible for our customers. When compared with other agencies providing similar services in Orange County, IRWD's rates are consistently among the lowest.

Basic Components of Commercial Rates

- **Commodity Charge** is based on the amount of water used each month. It is based on the cost of local and imported water.
- **Fixed Service Charges** do not vary each month and include costs for operations, maintenance and infrastructure. There are separate service charges for water and sewer service

Commodity Charge: Proposed Changes to the Cost of Water

Commodity charges are billed monthly based on the actual volume of water used. Customers are billed in one or two tiers based on the actual water used as a percentage of the monthly water budget. A description of how monthly water budgets are determined is described below in the section *Monthly Water Budgets Information Available on Website*. For FY 2017-18, IRWD is proposing a commodity charge increase for potable shown in the chart below. The Base Rate tier rewards customers that stay within their monthly water budget allocation. The Wasteful tier is for customers that exceed their monthly water budget. The standard Billing Unit is called a ccf (hundred cubic feet) and is equal to 748 gallons of water.

Proposed Commercial Commodity Rates:

Proposed Potable Commercial Commodity Rates			
Tier	% of Monthly Water Budget	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Base Rate	0 -100 %	\$1.65	\$1.70
Wasteful	101+	\$12.01	\$12.06

Proposed Recycled Water Commercial Commodity Rates			
Tier	% of Monthly Water Budget	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Base Rate	0 -100 %	\$1.03	\$0.95
Wasteful	101+	\$6.05	\$5.08

Why Did the Potable Cost of Water Increase?

The main reasons for the change are due to uncontrollable costs attributed to:

- Pass through charges from the Orange County Water District (OCWD) for pumping local groundwater (11% increase) which is the lowest cost of water and therefore has the greatest impact on the Low Volume tier
- Pass through charges from the Metropolitan Water District (MWD) for imported water (the most expensive source of water) purchased through the regional wholesaler, the Municipal Water District of Orange County (MWDOC) (4% increase)

Why Did the Recycled Cost of Water Decrease?

There were decreased equipment costs associated with supplying recycled water.

Understanding the IRWD Budget Based Rate Structure

Since 1991, IRWD customer bills have been calculated using a budget based rate structure. Usage up to 100 percent of the water budget is billed at the base rate. The rate structure uses business-specific allocations and tiered pricing to provide an economic incentive to encourage efficient water use.

1. Each customer receives a monthly water budget that provides for a reasonable amount for your business needs.
2. The monthly water commodity charge is calculated based upon how much water is used
3. If a customer goes over their monthly water budget, the water is billed at the highest tier based on IRWD's cost to provide the water.
4. Costs associated with the purchase of additional imported water (the most expensive source of water for IRWD), urban runoff programs, water banking and water conservation programs are allocated to the highest tier.

Monthly Water Budget Information Available on Website

To find out more information on the rate tiers, please visit the IRWD website at www.irwd.com. If you would like additional information regarding the monthly water budget for your property, please contact customer service at 949 453-5300.

Water & Sewer Fixed Service Charges:

Monthly service charges are fixed monthly charges which cover IRWD's cost of operations, maintenance and infrastructure and do not change based on the amount of a customers' water or sewer use. Monthly service charges are based on a 30 day calendar month so billing cycles which are longer or shorter

than 30 days are billed based on the proportional number of days. The fixed charge includes an amount set aside for the future inevitable repair and replacement of infrastructure such as pipes, pumping stations and treatment facilities. This way, the District can avoid significant one time rate spikes when the repairs and replacements are made. These charges are not used to pay for facilities that extend service to new development.

Water Fixed Service Charges: The fixed monthly water service charges are used to pay for operations and maintenance costs, including inevitable infrastructure enhancements and replacements. The charge is based on the size of your meter. The proposed fixed monthly charges are proposed below. The current amount for your meter size appears on your bill. The baseline fixed charge is calculated on the meter's maximum flow capacity and the demand on the system.

Proposed Water Service Charges		
Meter Type	FY 2016-17 Rates	FY 2017-18 Rates
5/8" x 3/4" disc	\$10.30/meter	No change
3/4" disc	\$15.45/meter	No change
1" disc	\$25.75/meter	No change
1 1/2" disc	\$51.50/meter	No change
2" disc	\$82.40/meter	No change
3" compound	\$164.80/meter	No change
4" compound	\$309.00/meter	No change
6" compound	\$515.00/meter	No change
8" compound	\$991.40/meter	No change
10" compound	\$1,133.00/meter	No change
14" compound	\$1,802.50/meter	No change
2" turbo	\$108.15/meter	No change
3" turbo	\$247.20/meter	No change
4" turbo	\$515.00/meter	No change
6" turbo	\$1,030.00/meter	No change
8" turbo	\$1,802.50/meter	No change
10" turbo	\$2,163.00/meter	No change
2" magnetic	\$160.15/meter	No change
4" magnetic	\$640.15/meter	No change
6" magnetic	\$1,440.45/meter	No change
8" magnetic	\$2,561.60/meter	No change
6" propeller	\$695.25/meter	No change
8" propeller	\$927.00/meter	No change
10" propeller	\$1,236.00/meter	No change
12" or 14" propeller	\$1,738.15/meter	No change
16", 18" or 20" propeller	\$2,935.50/meter	No change
4" Omni F2	\$640.15/meter	No change
6" Omni F2	\$1,440.45/meter	No change
8" Omni F2	\$2,561.60/meter	No change
10" Omni F2	\$2,935.50/meter	No change

Sewer Fixed Service Charges: There is no proposed increase for the fixed monthly sewer service charge. Additional fixed monthly charges for the operation and maintenance of the system are based on the volume of water used and treated in excess of 10ccf per month and are shown in the table below.

Proposed Changes for Sewer Quantity and Industrial Waste Charges		
Component	FY 2016-17 Rates	FY 2017-18 Rates
Sewer Quantity Charge	\$2.74 per ccf	No change
Collection Quantity Charge	\$0.84 per ccf	No change
Industrial Waste Charge	\$0.134 per ccf	No change
Collection Service Charge (based on flows)	\$0.840 per ccf	No change
Treatment Quantity Charge		\$1.48 per ccf
Special Purchase Discharge Charge	Up to \$1,377.56 per million gallons	Up to \$1,417.56 per million gallons

Pumping Surcharges, Set-up and Reconnection Fees: A pumping surcharge is added to the commodity rate of customers at higher elevations which requires the District to incur additional pumping costs to supply their water. The surcharge is based on the actual prevailing energy costs and varies depending upon the elevation of the area served. If your business is in an area affected by a pumping surcharge, it is itemized on your monthly bill. Please visit the IRWD website at www.irwd.com to see charges by zone.

Proposed Changes to Pumping Surcharges, Set-up and Reconnection Fees		
Component	Current Rates	Proposed Rates
Pumping Surcharges by Zone	\$0.21 to \$0.65/ccf	\$0.21 to \$0.64/ccf
One-time Setup Fee for New Accounts	\$25.00	No change
Shutoff Reconnection Fees	\$70.00 - \$95.00	No change
Private Fire Line Service Fee	\$13.60 per diameter inch	No change
Fire Hydrant Charge	\$23.70/month per hydrant	No change

Automatic Pass-Through Adjustments

IRWD has used its best available information to calculate proposed increases in the cost of imported water IRWD purchases from MWD through MWDOC, the replenishment charges paid by IRWD to OCWD for pumping groundwater, and the cost for regional treatment of sewage paid by IRWD to the Orange County Sanitation District (OCSD). IRWD has no control over the amounts set by MWD, MWDOC, OCWD and OCSD (the "Regional Agencies"), and must pass those costs through to IRWD customers. 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.

Public Hearing

Any customers or property owners within the IRWD service area may file a written protest for the proposed rate increases 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 26 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 26, 2017 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 may be delivered in person at the hearing, and must be received prior to the conclusion of the June 26 public hearing.

Additional Information

For more information on IRWD's water efficiency programs, rebates and tips on how you can conserve, visit www.irwd.com. If you have any additional questions, please contact IRWD Customer Service at 949-453-5300.



Irvine Ranch Water District Notice of Proposed Water Rate Change

Background

The Irvine Ranch Water District is a public agency that provides water and sewer service. Our rates are based on the actual cost to provide these services and are set each year during the annual budget process. The budget is adopted by the Board of Directors and goes into effect on July 1. A critical IRWD business objective is to keep costs, and therefore rates, as low as possible for our customers. When compared with other agencies providing similar service in Orange County, IRWD's rates are consistently among the lowest.

Basic Components of Landscape Rates

- **Commodity Charge** is based on the amount of water used each month. It is based on the cost of local and imported water
- **Fixed Service Charge** does not vary each month and include costs for operations, maintenance and infrastructure.

Commodity Charge:

Commodity charges are billed monthly based on the actual volume of water used. Customers are billed in tiers based on the actual water used as a percentage of the monthly water budget. A description of how monthly water budgets are determined is described below in the section *Monthly Water Budgets, Rate Calculator & Sample Bills Available on Website*. For FY 2017-18 IRWD is proposing a commodity charge increase shown in the chart below. The Low Volume rate tier rewards customers who use the least amount of water, which reduces the need for IRWD to purchase more expensive water supplies. The Base rate tier is for customers that stay within their monthly water budget allocation. The Inefficient and Wasteful tiers are for customers that exceed their monthly water budget. The standard Billing Unit is called a ccf (one hundred cubic feet) and is equal to 748 gallons of water.

Proposed Potable Non Agricultural/Landscape Commodity Rates			
Tier	% of Monthly Water Budget	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Low Volume	0 - 40 %	\$1.21	\$1.36
Base Rate	41 -100%	\$1.65	\$1.70
Inefficient	101-160%	\$4.01	\$4.09
Wasteful	161+	\$12.01	\$12.06

Proposed Non-Potable & Recycled Non Agricultural / Landscape Commodity Rates			
Tier	% of Monthly Water Budget	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Low Volume	0 -40 %	\$1.11	\$1.01
Base Rate	41 -100%	\$1.46	\$1.36
Inefficient	101-140%	\$2.41	\$2.33
Wasteful	141+	\$6.05	\$5.08

Proposed Agricultural Commodity Rates:

Proposed Agricultural Potable Commodity Rates		
Tier	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Base Rate	\$2.23	\$2.36

Proposed Agricultural Non-Potable / SAC Commodity Rates		
Type	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Non-Potable	\$1.78	\$1.40
SAC Water	\$2.07	\$1.66

Why Did the Cost of Water Increase?

The main reasons for the change are due to uncontrollable costs attributed to:

- Pass through charges from the Orange County Water District (OCWD) for pumping local groundwater (11% increase) which is the lowest cost of water and therefore has the greatest impact on the Low Volume tier
- Pass through charges from the Metropolitan Water District (MWD) for imported water (the most expensive source of water) purchased through the regional wholesaler, the Municipal Water District of Orange County (MWDOC) (4% increase)

Why Did the Non-Potable and Recycled Cost of Water Decrease?

There were decreased equipment costs associated with supplying recycled water.

Understanding the IRWD Budget Based Rate Structure

Since 1991, IRWD customer bills have been calculated using a budget based rate structure. Usage up to 100 percent of the water budget is billed at the low volume and base rate. This rate structure uses property-specific allocations and tiered pricing to provide customers an economic incentive to encourage efficient water use.

- Each customer receives a monthly water budget (allocation) that provides for a reasonable amount of water based on the irrigated landscape area.
- The monthly water commodity charge is based upon how much water is used.
- If a customer goes over their monthly water budget, the water is billed at increasingly higher tiers based on IRWD's cost of service to provide the water.
- Costs associated with the purchase of additional imported water (the most expensive source of water for IRWD), urban runoff programs, water banking and water conservation programs are allocated to the highest tiers.

Landscape Monthly Potable & Recycled Water Allocations

Type	Proposed Monthly Allocation Basis
Irrigated with Potable Water	60% warm-season turf + 40% drought tolerant landscape
Irrigated with Recycled Water	100% warm-season turf

Please visit IRWD.com for specific details about the calculation

Proposed Efficiency Factor for Functional Turf & Recycled Water Allocations

The proposed water allocation for recycled water use and for functional turf irrigated with potable water, such as a sport field will be based on a 75% irrigation efficiency factor instead of the current 71% efficiency factor. Other components of these allocations remain unchanged. This will result in a slight reduction in your monthly water allocation. Please visit IRWD.com and use the rate calculator to see how this will affect your monthly bill.

Monthly Water Budgets, Rate Calculator & Sample Bills Available on Website

To find out more information on the rate tiers, the types of usage that determine the monthly water budget, how the monthly water budget is calculated and to use the IRWD budget based rate calculator, please visit the IRWD website at www.irwd.com. The calculator shows how staying within your monthly water budget or exceeding it will affect your monthly bill. Provide your account number from a recent bill and you can see how your bill will be recalculated using the proposed rates, allocations and tiers. Free internet access is available Monday – Friday from 8am to 5pm in the IRWD lobby at 15600 Sand Canyon Avenue, Irvine, CA.

Water Fixed Service Charges:

Monthly service charges are fixed monthly charges which cover IRWD's cost of operations, maintenance and infrastructure and do not change based on the amount of a customers' water use. Monthly service charges are based on a 30 day calendar month so billing cycles which are longer or shorter than 30 days are billed based on the proportional number of days. The fixed charge includes an amount set aside for the future inevitable repair and replacement of infrastructure such as pipes, pumping stations and treatment facilities. This way, the District can avoid significant one time rate spikes when the repairs and replacements are made. These charges are not used to pay for facilities that extend service to new development.

The charge is based on the size of your meter. The current amount for your meter size appears on your bill. Customers that remain in the low volume tier for most of the year will have a larger percentage of their bill made up of the fixed charge. The baseline fixed charge is calculated on the meter's maximum flow capacity and the demand on the system. Potable customers that remain in the low volume tier for 9 out of 12 months will receive a \$2.00 conservation credit per month which will be itemized on each bill. New customers do not receive this credit unless they have been with the District for a full calendar year.

Proposed Water Service Charges		
Meter Type	FY 2016-17 Rates	FY 2017-18 Rates
5/8" x 3/4" disc	\$10.30/meter	No change
3/4" disc	\$15.45/meter	No change
1" disc	\$25.75/meter	No change
1 1/2" disc	\$51.50/meter	No change
2" disc	\$82.40/meter	No change
3" compound	\$164.80/meter	No change
4" compound	\$309.00/meter	No change
6" compound	\$515.00/meter	No change
8" compound	\$991.40/meter	No change
10" compound	\$1,133.00/meter	No change
14" compound	\$1,802.50/meter	No change
2" turbo	\$108.15/meter	No change
3" turbo	\$247.20/meter	No change
4" turbo	\$515.00/meter	No change
6" turbo	\$1,030.00/meter	No change

8" turbo	\$1,802.50/meter	No change
10" turbo	\$2,163.00/meter	No change
2" magnetic	\$160.15/meter	No change
4" magnetic	\$640.15/meter	No change
6" magnetic	\$1,440.45/meter	No change
8" magnetic	\$2,561.60/meter	No change
6" propeller	\$695.25/meter	No change
8" propeller	\$927.00/meter	No change
10" propeller	\$1,236.00/meter	No change
12" or 14" propeller	\$1,738.15/meter	No change
16", 18" or 20" propeller	\$2,935.50/meter	No change
4" Omni F2	\$640.15/meter	No change
6" Omni F2	\$1,440.45/meter	No change
8" Omni F2	\$2,561.60/meter	No change
10" Omni F2	\$2,935.50/meter	No change

Pumping Surcharges: A pumping surcharge will be added to the commodity rate for those customers who are located at higher elevations and cause the District to incur additional pumping costs to supply their water. The surcharge is based on the actual prevailing energy costs and varies depending upon the elevation of the area served. If your property is in an area affected by a pumping surcharge, the charge is itemized on your monthly bill. Please visit the IRWD website at www.irwd.com to see charges by zone.

Proposed Changes to Pumping Surcharges, Set-up and Reconnection Fees		
Component	Current Rates	Proposed Rates
Pumping Surcharges by Zone	\$0.21 to \$0.65/ccf	\$0.21 to \$0.64/ccf
One-time Setup Fee for New Accounts	\$25.00	No change
Shutoff Reconnection Fees	\$70.00 - \$95.00	No change

Automatic Pass-Through Adjustments

IRWD has used its best available information to calculate proposed increases in the cost of imported water IRWD purchases from MWD through MWDOC, and the replenishment charges paid by IRWD to OCWD for pumping groundwater. IRWD has no control over the amounts set by MWD, MWDOC and OCWD (the "Regional Agencies"), and must pass those costs through to IRWD customers. 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. This calculation will vary as necessary to reflect IRWD's different service areas and service classes.

Public Hearing

Any customers or property owners within the IRWD service area may file a written protest for the proposed rate increases 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 26 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 26, 2017 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 may be delivered in person at the hearing, and must be received prior to the conclusion of the June 26 public hearing.

Additional Information

For more information on IRWD's water efficiency programs, rebates and tips on how you can conserve, visit www.irwd.com. If you have any additional questions, please contact IRWD Customer Service at 949-453-5300.



Irvine Ranch Water District Notice of Proposed Sewer Rate Change

Background

The Irvine Ranch Water District is a public agency that provides water and sewer service. Our rates are based on the actual cost to provide these services and are set each year during the annual budget process. The budget is adopted by the Board of Directors and goes into effect on July 1. A critical IRWD business objective is to keep costs, and therefore rates, as low as possible for our customers. When compared with other agencies providing similar services in Orange County, IRWD's rates are consistently among the lowest.

Basic Components of Residential Rates

- **Fixed Service Charges** do not vary each month and include costs for operations, maintenance and infrastructure. There are separate service charges for water and sewer service.

Sewer Fixed Service Charges:

Monthly service charges are fixed monthly charges which cover IRWD's cost of operations, maintenance and infrastructure and do not change based on the amount of a customers' water or sewer use. Monthly service charges are based on a 30 day calendar month so billing cycles which are longer or shorter than 30 days are billed based on the proportional number of days. The fixed charge includes an amount set aside for the future inevitable repair and replacement of infrastructure such as pipes, pumping stations and treatment facilities. This way, the District can avoid significant one time rate spikes when the repairs and replacements are made. These charges are not used to pay for facilities that extend service to new development.

The proposed fixed monthly sewer service charges for the average residential customer are used to pay for operations and maintenance costs including inevitable infrastructure enhancements and replacements.

Proposed Changes for Sewer Service Fixed Monthly Charges for System Operation and Maintenance		
Usage	Current Rates	Proposed Rates
Single Family Homes, Townhouses, & Condominiums	\$25.75/month	No change
Apartments	\$19.30/month	No change

Automatic Pass-Through Adjustments

IRWD has used its best available information to calculate proposed increases in the cost of imported water IRWD purchases from MWD through MWDOC, the replenishment charges paid by IRWD to OCWD for pumping groundwater, and the cost for regional treatment of sewage paid by IRWD to the Orange County Sanitation District (OCSD). IRWD has no control over the amounts set by MWD, MWDOC, OCWD and OCSD (the "Regional Agencies"), and must pass those costs through to IRWD customers. 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.

Public Hearing

Any customers or property owners within the IRWD service area may file a written protest for the proposed rate increases 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 26 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 26, 2017 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 may be delivered in person at the hearing, and must be received prior to the conclusion of the June 26 public hearing.

Additional Information

For more information on IRWD's water efficiency programs, rebates and tips on how you can conserve, visit www.irwd.com. If you have any additional questions, please contact IRWD Customer Service at 949-453-5300.



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

Background

The Irvine Ranch Water District is a public agency that provides water and sewer service. Our rates are based on the actual cost to provide these services and are set each year during the annual budget process. The budget is adopted by the Board of Directors and goes into effect on July 1. A critical IRWD business objective is to keep costs, and therefore rates, as low as possible for our customers. When compared with other agencies providing similar services in Orange County, IRWD's rates are consistently among the lowest.

Basic Components of Residential Rates

- **Commodity Charge** is based on the amount of water used both inside and outside the home each month. It is based on the cost of local and imported water.
- **Fixed Service Charges** do not vary each month and include costs for operations, maintenance and infrastructure. There are separate service charges for water and sewer service.

Commodity Charge:

Commodity charges are billed monthly based on the actual volume of water used. Customers are billed in tiers based on the actual water used as a percentage of the monthly water budget. A description of how monthly water budgets are determined is described below in the section *Monthly Water Budgets, Rate Calculator & Sample Bills Available on Website*. For FY 2017-18, IRWD is proposing commodity charge changes shown in the chart below. The Low Volume rate tier rewards customers who use the least amount of water, which reduces the need for IRWD to purchase more expensive water supplies. The Base rate tier is for customers that stay within their monthly water budget allocation. The Inefficient and Wasteful tiers are for customers that exceed their monthly water budget. The standard Billing Unit is called a ccf (hundred cubic feet) and is equal to 748 gallons of water.

Proposed Residential Commodity Rates				
Tier	% of Monthly Water Budget Residential with Outdoor	% of Monthly Water Budget Multi-Family with No Outdoor	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Low Volume	0 -40 %	0-50%	\$ 1.80	\$ 1.36
Base Rate	41 -100%	51-100%	\$ 2.46	\$ 1.70
Inefficient	101-140%	101-120%	\$ 4.01	\$ 4.09
Wasteful	141+	121+	\$12.01	\$12.06

Why Did the Cost of Water Change?

Due to the completion of the consolidation process, customers in the former IRWD Los Alisos Rate Area are now part of the Irvine Rate Area. Most customers will realize a savings in their monthly water bill.

Understanding the IRWD Budget Based Rate Structure

Since 1991, IRWD customer bills have been calculated using a budget based rate structure. Usage up to 100 percent of the water budget is billed at the low volume and base rate. The rate structure uses property-specific allocations and tiered pricing to provide an economic incentive to encourage efficient water use.

- Each customer receives a monthly water budget that provides for a reasonable amount of water for indoor and outdoor use. It can be adjusted by a variance for more people living in the home, medical needs, additional irrigated landscape area or other special circumstances.
- The monthly water commodity charge is calculated based upon how much water is used
- If a customer goes over their monthly water budget, the water is billed at increasingly higher tiers based on IRWD's cost to provide the water.
- Costs associated with the purchase of additional imported water (the most expensive source of water for IRWD), urban runoff programs, water banking and water conservation programs are allocated to the higher tiers.

Monthly Water Budgets, Rate Calculator & Sample Bills Available on Website

To find out more information on the rate tiers, the types of usage that determine the monthly water budget, how the monthly water budget is calculated and to use the IRWD budget based rate calculator, please visit the IRWD website at www.irwd.com. The calculator shows how staying within your monthly water budget or exceeding it will affect your monthly bill. Provide your account number from a recent bill and you can see how your bill will be recalculated using the proposed rates, allocations and tiers, and any variances you have on your account. Sample bills are also provided as well as technical water budget formulas. Free internet access is available Monday – Friday from 8am to 5pm in the IRWD lobby at 15600 Sand Canyon Avenue, Irvine, CA.

Water & Sewer Fixed Service Charges:

Monthly service charges are fixed monthly charges which cover IRWD's cost of operations, maintenance and infrastructure and do not change based on the amount of a customers' water or sewer use. Monthly service charges are based on a 30 day calendar month so billing cycles which are longer or shorter than 30 days are billed based on the proportional number of days. The fixed charge includes an amount set aside for the future inevitable repair and replacement of infrastructure such as pipes, pumping stations and treatment facilities. This way, the District can avoid significant one time rate spikes when the repairs and replacements are made. These charges are not used to pay for facilities that extend service to new development.

Water Fixed Service Charges: The fixed monthly water service charges for the average residential customer are used to pay for operations and maintenance costs, including inevitable infrastructure enhancements and replacements. The charge is based on the size of your meter. No changes to the current fixed monthly charges are proposed.

Proposed Water Service Fixed Monthly Charges for System Operation and Maintenance		
Residential meter size – homes, condos, apartments	Current Rates	Proposed Rates
5/8 x 3/4"	\$10.30/meter	No change
3/4" disc meter	\$15.45/meter	No change
1" disc meter	\$25.75/meter	No change
1 1/2" disc meter	\$51.50/meter	No change
2" disc meter	\$82.40/meter	No change
2" turbo meter	\$108.15/meter	No change
Residential master meter (shared) apartments and condominiums 5/8 x 3/4" meter	\$10.30/meter	No change
The current amount for your meter size appears on your bill. Customers that remain in the low volume tier for most of the year will have a larger percentage of their bill made up of the fixed charge. The baseline fixed charge is calculated on the meter's maximum flow capacity and the demand on the system. Customers that remain in the low volume tier for 9 out of 12 months will receive a \$2.00 conservation credit per month which will be itemized on each bill. New customers do not receive this credit unless they have been with the District for a full calendar		

Sewer Fixed Service Charges: The proposed fixed monthly sewer service charges for the average residential customer are used to pay for operations and maintenance costs including inevitable infrastructure enhancements and replacements. The tiered sewer service fixed charge is based on the 3 months with the lowest potable water usage from the prior calendar year. New customers are billed at the highest tier until they have established a full calendar year of usage history.

Proposed Changes for Sewer Service Fixed Monthly Charges for System Operation and Maintenance		
Usage	Current Rates	Proposed Rates
Average water usage exceeds 10 ccfs per month	\$25.75/month	No change
Average water usage falls between 5 and 10 ccfs	\$23.20/month	No change
Average water usage falls below 5 ccfs	\$19.30/month	No change
Collection Service Charge (based on flows)	\$0.840/ccf	No change
Treatment Service Charge (based on flows)		\$1.48/ccf

Pumping Surcharges: A pumping surcharge will be added to the commodity rate for those customers who reside at higher elevations and cause the District to incur additional pumping costs to supply their water. The surcharge is based on the actual prevailing energy costs and varies depending upon the elevation of the area served. If you live in an area affected by a pumping surcharge, the charge is itemized on your monthly bill. Please visit the IRWD website at www.irwd.com to see charges by zone.

Proposed Changes to Pumping Surcharges, Set-up and Reconnection Fees		
Component	Current Rates	Proposed Rates
Pumping Surcharges by Zone	\$0.21 to \$0.65/ccf	\$0.21 to \$0.64/ccf
One-time Setup Fee for New Accounts	\$25.00	No change
Shutoff Reconnection Fees	\$70.00 - \$95.00	No change

Automatic Pass-Through Adjustments

IRWD has used its best available information to calculate proposed increases in the cost of imported water IRWD purchases from MWD through MWDOC and the cost for regional treatment of sewage paid by IRWD to the Orange County Sanitation District (OCSD). IRWD has no control over the amounts set by MWD, MWDOC, OCWD and OCSD (the "Regional Agencies"), and must pass those costs through to IRWD customers. 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.

Public Hearing

Any customers or property owners within the IRWD service area may file a written protest for the proposed rate increases 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 26 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 26, 2017 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 may be delivered in person at the hearing, and must be received prior to the conclusion of the June 26 public hearing.

Additional Information

For more information on IRWD's water efficiency programs, rebates and tips on how you can conserve, visit www.irwd.com. If you have any additional questions, please contact IRWD Customer Service at 949-453-5300.



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

Background

The Irvine Ranch Water District is a public agency that provides water and sewer service. Our rates are based on the actual cost to provide these services and are set each year during the annual budget process. The budget is adopted by the Board of Directors and goes into effect on July 1. A critical IRWD business objective is to keep costs, and therefore rates, as low as possible for our customers. When compared with other agencies providing similar services in Orange County, IRWD's rates are consistently among the lowest.

Basic Components of Commercial Rates

- **Commodity Charge** is based on the amount of water used each month. It is based on the cost of local and imported water.
- **Fixed Service Charges** do not vary each month and include costs for operations, maintenance and infrastructure. There are separate service charges for water and sewer service

Commodity Charge: Proposed Changes to the Cost of Water

- Commodity charges are billed monthly based on the actual volume of water used. Customers are billed in one or two tiers based on the actual water used as a percentage of the monthly water budget. A description of how monthly water budgets are determined is described below in the section *Monthly Water Budget information Available on Website*. For FY 2017-18, IRWD is proposing commodity charge changes shown in the chart below. The Base Rate tier rewards customers that stay within their monthly water budget allocation. The Wasteful tier is for customers that exceed their monthly water budget. The standard Billing Unit is called a ccf (hundred cubic feet) and is equal to 748 gallons of water.

Proposed Potable Commercial Commodity Rates			
Tier	% of Monthly Water Budget	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Base Rate	0 -100 %	\$2.46	\$1.70
Wasteful	101+	\$12.01	\$12.06

Proposed Recycled Water Commercial Commodity Rates			
Tier	% of Monthly Water Budget	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Base Rate	0 -100 %	\$1.03	\$0.95
Wasteful	101+	\$6.05	\$5.08

Why Did the Cost of Water Change?

Due to the completion of the consolidation process, customers in the former IRWD Los Alisos Rate Area are now part of the Irvine Rate Area. Most customers will realize a savings if they are within their budget in their monthly water bill.

Understanding the IRWD Budget Based Rate Structure

Since 1991, IRWD customer bills have been calculated using a budget based rate structure. Usage up to 100 percent of the water budget is billed at the base rate. The rate structure uses business-specific allocations and tiered pricing to provide an economic incentive to encourage efficient water use.

- Each customer receives a monthly water budget that provides for a reasonable amount for your business needs.
- The monthly water commodity charge is calculated based upon how much water is used
- If a customer goes over their monthly water budget, the water is billed at the highest tier based on IRWD's cost to provide the water.
- Costs associated with the purchase of additional imported water (the most expensive source of water for IRWD), urban runoff programs, water banking and water conservation programs are allocated to the highest tier.

Monthly Water Budget Information Available on Website

To find out more information on the rate tiers, please visit the IRWD website at www.irwd.com. If you would like additional information regarding the monthly water budget for your property, please contact customer service at 949 453-5300.

Water & Sewer Fixed Service Charges:

Monthly service charges are fixed monthly charges which cover IRWD's cost of operations, maintenance and infrastructure and do not change based on the amount of a customers' water or sewer use. Monthly service charges are based on a 30 day calendar month so billing cycles which are longer or shorter than 30 days are billed based on the proportional number of days. The fixed charge includes an amount set aside for the future inevitable repair and replacement of infrastructure such as pipes, pumping stations and treatment facilities. This way, the District can avoid significant one time rate spikes when the repairs and replacements are made. These charges are not used to pay for facilities that extend service to new development.

Water Fixed Service Charges: The fixed monthly water service charges are used to pay for operations and maintenance costs, including inevitable infrastructure enhancements and replacements. The charge is based on the size of your meter. The proposed fixed monthly charges are proposed below. The current amount for your meter size appears on your bill. The baseline fixed charge is calculated on the meter's maximum flow capacity and the demand on the system.

Proposed Water Service Charges (No Change)		
Meter Type	FY 2016-17 Rates	FY 2017-18 Rates
5/8" x 3/4" disc	\$10.30/meter	No change
3/4" disc	\$15.45/meter	No change
1" disc	\$25.75/meter	No change
1 1/2" disc	\$51.50/meter	No change
2" disc	\$82.40/meter	No change
3" compound	\$164.80/meter	No change
4" compound	\$309.00/meter	No change
6" compound	\$515.00/meter	No change
8" compound	\$991.40/meter	No change
10" compound	\$1,133.00/meter	No change
14" compound	\$1,802.50/meter	No change
2" turbo	\$108.15/meter	No change
3" turbo	\$247.20/meter	No change
4" turbo	\$515.00/meter	No change
6" turbo	\$1,030.00/meter	No change
8" turbo	\$1,802.50/meter	No change
10" turbo	\$2,163.00/meter	No change
2" magnetic	\$160.15/meter	No change
4" magnetic	\$640.15/meter	No change
6" magnetic	\$1,440.45/meter	No change
8" magnetic	\$2,561.60/meter	No change
6" propeller	\$695.25/meter	No change
8" propeller	\$927.00/meter	No change
10" propeller	\$1,236.00/meter	No change
12" or 14" propeller	\$1,738.15/meter	No change
16", 18" or 20" propeller	\$2,935.50/meter	No change
4" Omni F2	\$640.15/meter	No change
6" Omni F2	\$1,440.45/meter	No change
8" Omni F2	\$2,561.60/meter	No change
10" Omni F2	\$2,935.50/meter	No change

Sewer Fixed Service Charges: There is no proposed increase for the fixed monthly sewer service charge. Additional fixed monthly charges for the operation and maintenance of the system are based on the volume of water used and treated in excess of 10ccf per month and are shown in the table below.

Proposed Changes for Sewer Quantity and Industrial Waste Charges		
Component	FY 2016-17 Rates	FY 2017-18 Rates
Sewer Quantity Charge	\$2.74 per ccf	No charge
Collection Quantity Charge	\$0.84 per ccf	No change
Treatment Quantity Charge		\$1.48 per ccf
Industrial Waste Charge	\$0.134 per ccf	No change
Special Purchase Discharge Charge	Up to \$1,377.56 per million gallons	Up to \$1,417.56 per million gallons

Pumping Surcharges, Set-up and Reconnection Fees: A pumping surcharge is added to the commodity rate of customers at higher elevations which requires the District to incur additional pumping costs to supply their water. The surcharge is based on the actual prevailing energy costs and varies depending upon the elevation of the area served. If your business is in an area affected by a pumping surcharge, it is itemized on your monthly bill. Please visit the IRWD website at www.irwd.com to see charges by zone.

Proposed Changes to Pumping Surcharges, Set-up and Reconnection Fees		
Component	Current Rates	Proposed Rates
Pumping Surcharges by Zone	\$0.21 to \$0.65/ccf	\$0.21 to \$0.64/ccf
One-time Setup Fee for New Accounts	\$25.00	No change
Shutoff Reconnection Fees	\$70.00 - \$95.00	No change
Private Fire Line Service Fee	\$13.60 per diameter inch	No change
Fire Hydrant Charge	\$23.70/month per hydrant	No change

Automatic Pass-Through Adjustments

IRWD has used its best available information to calculate proposed increases in the cost of imported water IRWD purchases from MWD through MWDOC and the cost for regional treatment of sewage paid by IRWD to the Orange County Sanitation District (OCSD). IRWD has no control over the amounts set by MWD, MWDOC, OCWD and OCSD (the "Regional Agencies"), and must pass those costs through to IRWD customers. 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.

Public Hearing

Any customers or property owners within the IRWD service area may file a written protest for the proposed rate increases 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 26 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 26, 2017 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 may be delivered in person at the hearing, and must be received prior to the conclusion of the June 26 public hearing.

Additional Information

For more information on IRWD's water efficiency programs, rebates and tips on how you can conserve, visit www.irwd.com. If you have any additional questions, please contact IRWD Customer Service at 949-453-5300.



Irvine Ranch Water District Notice of Proposed Water Rate Change

Background

The Irvine Ranch Water District is a public agency that provides water and sewer service. Our rates are based on the actual cost to provide these services and are set each year during the annual budget process. The budget is adopted by the Board of Directors and goes into effect on July 1. A critical IRWD business objective is to keep costs, and therefore rates, as low as possible for our customers. When compared with other agencies providing similar service in Orange County, IRWD's rates are consistently among the lowest.

Basic Components of Landscape Rates

- **Commodity Charge** is based on the amount of water used each month. It is based on the cost of local and imported water
- **Fixed Service Charge** does not vary each month and include costs for operations, maintenance and infrastructure.

Commodity Charge:

Commodity charges are billed monthly based on the actual volume of water used. Customers are billed in tiers based on the actual water used as a percentage of the monthly water budget. A description of how monthly water budgets are determined is described below in the section *Monthly Water Budgets, Rate Calculator & Sample Bills Available on Website*. For FY 2017-18 IRWD is proposing a commodity charge change shown in the chart below. The Low Volume rate tier rewards customers who use the least amount of water, which reduces the need for IRWD to purchase more expensive water supplies. The Base rate tier is for customers that stay within their monthly water budget allocation. The Inefficient and Wasteful tiers are for customers that exceed their monthly water budget. The standard Billing Unit is called a ccf (one hundred cubic feet) and is equal to 748 gallons of water.

Proposed Potable Non Agricultural/Landscape Commodity Rates			
Tier	% of Monthly Water Budget	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Low Volume	0 - 40 %	\$1.80	\$1.36
Base Rate	41 -100%	\$2.46	\$1.70
Inefficient	101-160%	\$4.01	\$ 4.09
Wasteful	161+	\$12.01	\$12.06

Proposed Non-Potable & Recycled Non Agricultural / Landscape Commodity Rates			
Tier	% of Monthly Water Budget	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Low Volume	0 -40 %	\$1.11	\$1.01
Base Rate	41 -100%	\$1.46	\$1.36
Inefficient	101-140%	\$2.41	\$2.33
Wasteful	141+	\$6.05	\$5.08

Proposed Agricultural Commodity Rates:

Proposed Agricultural Potable Commodity Rates		
Tier	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Base Rate	\$2.88	\$2.36

Proposed Agricultural Non-Potable / SAC Commodity Rates		
Type	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Non-Potable	\$1.78	\$1.40
SAC Water	\$2.07	\$1.66

Why Did the Cost of Water Change?

Due to the completion of the consolidation process, customers in the former IRWD Los Alisos Rate Area are now part of the Irvine Rate Area. Most customers will realize a savings in their monthly water bill.

Understanding the IRWD Budget Based Rate Structure

Since 1991, IRWD customer bills have been calculated using a budget based rate structure. Usage up to 100 percent of the water budget is billed at the low volume and base rate. This rate structure uses property-specific allocations and tiered pricing to provide customers an economic incentive to encourage efficient water use.

- Each customer receives a monthly water budget (allocation) that provides for a reasonable amount of water based on the irrigated landscape area.
- The monthly water commodity charge is based upon how much water is used.

- If a customer goes over their monthly water budget, the water is billed at increasingly higher tiers based on IRWD's cost of service to provide the water.
- Costs associated with the purchase of additional imported water (the most expensive source of water for IRWD), urban runoff programs, water banking and water conservation programs are allocated to the highest tiers.

Landscape Monthly Potable & Recycled Water Allocations

Type	Proposed Monthly Allocation Basis
Irrigated with Potable Water	60% warm-season turf + 40% drought tolerant landscape
Irrigated with Recycled Water	100% warm-season turf

Please visit IRWD.com for specific details about the calculation

Proposed Efficiency Factor for Functional Turf & Recycled Water Allocations

The proposed water allocation for recycled water use and for functional turf irrigated with potable water, such as a sport field will be based on a 75% irrigation efficiency factor instead of the current 71% efficiency factor. Other components of these allocations remain unchanged. This will result in a slight reduction in your monthly water allocation. Please visit IRWD.com and use the rate calculator to see how this will affect your monthly bill.

Monthly Water Budgets, Rate Calculator & Sample Bills Available on Website

To find out more information on the rate tiers, the types of usage that determine the monthly water budget, how the monthly water budget is calculated and to use the IRWD budget based rate calculator, please visit the IRWD website at www.irwd.com. The calculator shows how staying within your monthly water budget or exceeding it will affect your monthly bill. Provide your account number from a recent bill and you can see how your bill will be recalculated using the proposed rates, allocations and tiers. Free internet access is available Monday – Friday from 8am to 5pm in the IRWD lobby at 15600 Sand Canyon Avenue, Irvine, CA.

Water Fixed Service Charges:

Monthly service charges are fixed monthly charges which cover IRWD's cost of operations, maintenance and infrastructure and do not change based on the amount of a customers' water use. Monthly service charges are based on a 30 day calendar month so billing cycles which are longer or shorter than 30 days are billed based on the proportional number of days. The fixed charge includes an amount set aside for the future inevitable repair and replacement of infrastructure such as pipes, pumping stations and treatment facilities. This way, the District can avoid significant one time rate spikes when the repairs and replacements are made. These charges are not used to pay for facilities that extend service to new development.

The charge is based on the size of your meter. The current amount for your meter size appears on your bill. Customers that remain in the low volume tier for most of the year will have a larger percentage of their bill made up of the fixed charge. The baseline fixed charge is calculated on the meter's maximum flow capacity and the demand on the system. Potable customers that remain in the low volume tier for 9 out of 12 months will receive a \$2.00 conservation credit per month which will be itemized on each bill. New customers do not receive this credit unless they have been with the District for a full calendar year.

Proposed Water Service Charges (No Change)		
Meter Type	FY 2016-17 Rates	FY 2017-18 Rates
5/8" x 3/4" disc	\$10.30/meter	No change
3/4" disc	\$15.45/meter	No change
1" disc	\$25.75/meter	No change
1 1/2" disc	\$51.50/meter	No change
2" disc	\$82.40/meter	No change
3" compound	\$164.80/meter	No change
4" compound	\$309.00/meter	No change
6" compound	\$515.00/meter	No change
8" compound	\$991.40/meter	No change
10" compound	\$1,133.00/meter	No change
14" compound	\$1,802.50/meter	No change
2" turbo	\$108.15/meter	No change
3" turbo	\$247.20/meter	No change
4" turbo	\$515.00/meter	No change
6" turbo	\$1,030.00/meter	No change
8" turbo	\$1,802.50/meter	No change
10" turbo	\$2,163.00/meter	No change
2" magnetic	\$160.15/meter	No change
4" magnetic	\$640.15/meter	No change
6" magnetic	\$1,440.45/meter	No change
8" magnetic	\$2,561.60/meter	No change
6" propeller	\$695.25/meter	No change
8" propeller	\$927.00/meter	No change
10" propeller	\$1,236.00/meter	No change
12" or 14" propeller	\$1,738.15/meter	No change
16", 18" or 20" propeller	\$2,935.50/meter	No change

4" Omni F2	\$640.15/meter	No change
6" Omni F2	\$1,440.45/meter	No change
8" Omni F2	\$2,561.60/meter	No change
10" Omni F2	\$2,935.50/meter	No change

Pumping Surcharges: A pumping surcharge will be added to the commodity rate for those customers who are located at higher elevations and cause the District to incur additional pumping costs to supply their water. The surcharge is based on the actual prevailing energy costs and varies depending upon the elevation of the area served. If your property is in an area affected by a pumping surcharge, the charge is itemized on your monthly bill. Please visit the IRWD website at www.irwd.com to see charges by zone.

Component	Current Rates	Proposed Rates
Pumping Surcharges by Zone	\$0.21 to \$0.65/ccf	\$0.21 to \$0.64/ccf
One-time Setup Fee for New Accounts	\$25.00	No change
Shutoff Reconnection Fees	\$70.00 - \$95.00	No change

Automatic Pass-Through Adjustments

IRWD has used its best available information to calculate proposed increases in the cost of imported water IRWD purchases from MWD through MWDOC. IRWD has no control over the amounts set by MWD, MWDOC and OCWD (the "Regional Agencies"), and must pass those costs through to IRWD customers. 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. This calculation will vary as necessary to reflect IRWD's different service areas and service classes.

Public Hearing

Any customers or property owners within the IRWD service area may file a written protest for the proposed rate increases 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 26 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 26, 2017 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 may be delivered in person at the hearing, and must be received prior to the conclusion of the June 26 public hearing.

Additional Information

For more information on IRWD's water efficiency programs, rebates and tips on how you can conserve, visit www.irwd.com. If you have any additional questions, please contact IRWD Customer Service at 949-453-5300.

Exhibit "C"

RESOLUTION NO. 2017 -

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT,
ORANGE COUNTY, CALIFORNIA
APPROVING DISTRICT'S OPERATING BUDGET FOR
FISCAL YEAR 2017-18 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 2017-18; 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 2017-18 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 2017-18 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 2017-18 is in compliance with the provisions of Article XIII B of the Constitution of the State of California.

Section 3. That pursuant to Section 21080(b) (8) of the Public Resources Code providing that the establishment, modification, structuring, restructuring or approval of rates, tolls, fares, or other charges by public agencies are exempt from the requirements of the California Environmental Quality Act (CEQA), it is hereby found that the Operating Budget for

Fiscal Year 2017-18 including proposed rates and charges is within the purposes set forth in Section 21080(b) of the Public Resources Code including but not by way of limitation, the purposes of (1) meeting operating expenses, (2) purchasing or leasing supplies, equipment or materials, (3) meeting financial reserve needs and requirements, and (4) obtaining funds for capital projects necessary to maintain service within existing areas.

Section 4. That the proposed Operating Budget for Fiscal Year 2017-18 is consistent with the recommendations of the cost of service study approved June 8, 2015.

Section 5. That the Operating Budget for IRWD for Fiscal Year 2017-18 as set forth in the Summary of the Operating Budget dated April 24, 2017 which is by this reference incorporated herein, be and the same is hereby approved.

ADOPTED, SIGNED AND APPROVED this 24th day of April, 2017.


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: _____

Exhibit "D"



Board Workshop
Operating Budget and Rate Proposal
FY 2017-18

Board Meeting
April 24, 2017



Schedule for Budget & Rate Adoption

FY 2017-18 Operating Budget and Rates

February 7	F&P Committee: Budget Considerations
March 7	F&P Committee: Preliminary Budget Review
March 23	Special F&P Committee: Detailed Budget Review
April 4	F&P Committee: Budget Update, Impact on Rates
April 10	First Board Workshop
April 4	Second Board Workshop: Staff recommends adoption of Budget and approval of Proposition 218 Notices
May 5	Proposition 218 Notices mailed
June 26	Adopt FY 2017-18 Rates & Charges

Irvine Ranch Water District 2

Agenda

First Workshop (held April 10, 2017):

- Detailed Budget Review- FY 2017-18
 - Revenues
 - Significant factors affecting rate setting
 - Operating expenses by system
- Funding Operating Increases Through Rates
- Comparison of Proposed Rates
- Schedule for Budget & Rate Adoption

Tonight's Workshop:

- Recap Budget Highlights FY 2017-18
- Updated Impact on Rates
- Detailed Review of the Proposition 218 Notices
- Staff Recommendation:
 - Adopt Budget
 - Approve Proposition 218 Notices

2017-18 Operating Budget

Key drivers comparison to prior year budget

(in millions)

Consolidated Budget	Current FY 16-17	Proposed FY 17-18	Increase / (Decrease)	%
Salaries and Benefits	\$51.3	\$53.7	\$2.4	4.7%
Purchased Water	\$36.2	\$35.3	(\$0.9)	-2.5%
Repairs and Maintenance	\$23.1	\$23.5	\$0.4	1.7%
Electricity	\$14.8	\$14.6	(\$0.2)	-1.4%
Other Expenses	\$21.5	\$21.6	\$0.1	0.5%
Total	\$146.9	\$148.7	\$1.8	1.2%

2017-18 Operating Budget

(in thousands)	SOURCES AND USES			
	Water	Sewer	Recycled	Consolidated
Revenue:				
Commodity	\$41,013	\$ -	\$ 15,132	\$ 56,145
Service	33,636	51,780	6,631	92,047
Over Allocation	\$8,326	-	805	9,131
Total Revenues	\$82,975	\$51,780	\$ 22,568	\$ 157,323
Contribution to Enhancement and Replacement Funds	(8,474)	(18,991)	(1,120)	(28,586)
Net Revenues	\$74,501	\$32,789	\$ 21,448	\$ 128,737
Expenses:				
Total Direct	\$54,218	\$23,863	\$ 16,028	\$ 94,109
Total Indirect	11,334	8,194	4,330	23,858
General Plant	623	732	284	1,639
Marsh/NTS/Conservation	8,326	-	805	9,131
Total Expenses	\$74,501	\$32,789	\$ 21,447	\$ 128,737
Net Operating Position	\$ 0	\$ 0	\$ 0	\$ 0

Irvine Ranch Water District

PROPOSED RATES



Comparison of the Los Alisos Rate Area Proposed Rates – FY 16-17 to FY 17-18

Typical Residential Customer

	Current Rate FY 16-17	Proposed Rate* FY 17-18	Rate Change	% Change
Water				
Service Charge **	\$ 10.30	\$ 10.30	\$ 0.00	
Commodity Charge ***	<u>26.22</u>	<u>18.70</u>	<u>(7.52)</u>	
Total Water Charge	\$ 36.52	\$ 29.00	\$ (7.52)	
Sewer				
Service Charge **	\$ 23.20	\$ 23.20	\$ 0.00	
Total Typical Residential Monthly Bill	\$ 59.72	\$ 52.20	\$ (7.52)	(12.6%)

- * A portion of the Serrano Summit Proceeds (\$40 million) will provide a nexus between the cost of water for the Los Alisos and Irvine Ranch rate areas.
- ** Treated water service charge assumes a 5/8" x 3/4" meter. Both the water and sewer service charges include components for enhancement and replacement capital. No additions have been included for either fund.
- *** Commodity charges for a typical residential customer are based on 12 ccf (District average) and utilize the now uniform Irvine Ranch rate area commodity rates:
- | | | |
|-----------------|-------------------|-------------|
| Current Rates: | Low Volume \$1.80 | Base \$2.46 |
| Proposed Rates: | Low Volume \$1.36 | Base \$1.70 |

Irvine Ranch Water District

Comparison of Irvine Ranch Rate Area's Proposed Rates

Monthly Water & Sewer Bill Based on 15 ccf's of Usage and Groundwater Availability

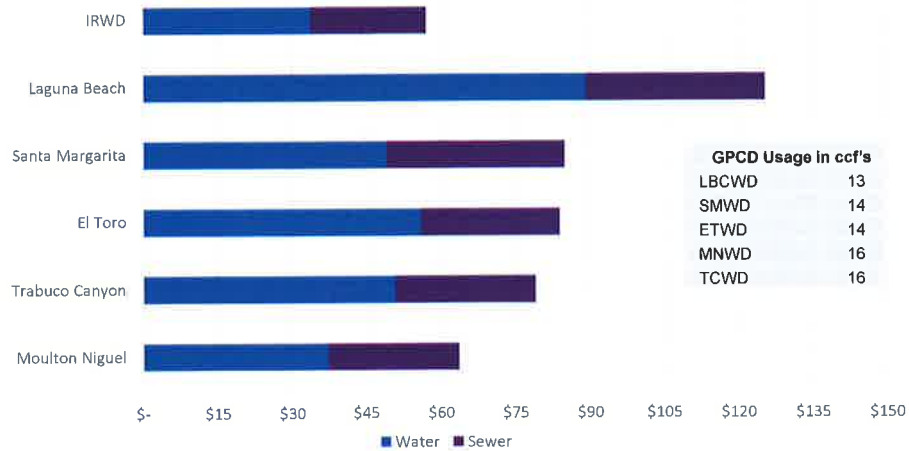


Irvine Ranch Water District



Comparison of South County Agencies Proposed Rates

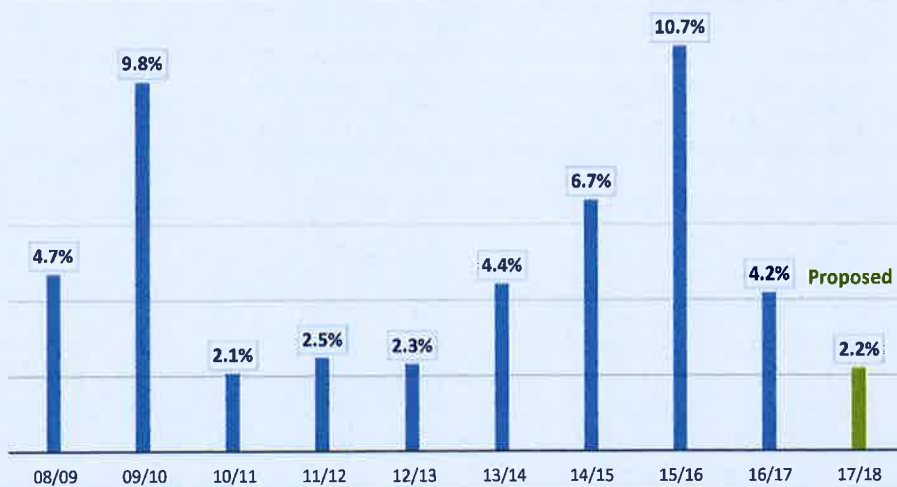
Monthly Water & Sewer Bill Based on 15 ccf's Usage and Imported Water



Irvine Ranch Water District

Rate Increase History

Average Monthly Rate Increase-Irvine Ranch Rate Area



Irvine Ranch Water District



NON-OPERATING SOURCES AND USES



2017-18 Non-Operating Budget

NON-OPERATING SOURCES & USES OF FUNDS (in thousands)

	<u>FY 2016-17</u>	<u>FY 2017-18</u>	<u>Change</u>
Revenues:			
Property Taxes	\$ 47,689	\$ 52,500	\$ 4,811
Investment Income	2,686	4,200	1,514
Connection Fees	22,000	26,000	4,000
Real Estate Income	12,954	13,400	446
Other Income	6,500	8,000	1,500
Total Revenue	\$ 91,829	\$ 104,100	\$ 12,271
Expenses:			
Interest Expense	\$ 24,606	\$ 28,300	\$ 3,694
Real Estate Expense	6,834	7,300	466
Other Expenses	1,000	2,000	1,000
Total Expense	\$ 32,440	\$ 37,600	\$ 5,160
Net Sources and Uses	\$ 59,389	\$ 66,500	\$ 7,111

Irvine Ranch Water District



PROPOSITION 218 NOTICES



PROPOSITION 218 NOTICES

Customer friendly 2-3 page format

- Basic components
- Proposed commodity rates
- Proposed monthly water and sewer service charges
- Other required noticing

PROP 218 STRUCTURE

Proposed Commodity Rates- Irvine Ranch Rate Area

Proposed Residential Commodity Rates			
Tier	% of Monthly Water Budget	FY 2016-17 Rates per ccf	FY 2017-18 Rates per ccf
Low Volume	0 -40 %	\$ 1.21	\$ 1.36
Base Rate	41 -100%	\$ 1.65	\$ 1.70
Inefficient	101-140%	\$ 4.01	\$ 4.09
Wasteful	141+	\$12.01	\$12.06

PROP 218 STRUCTURE

Proposed Water Fixed Service Charges - Irvine Ranch Rate Area:

Proposed Water Service Fixed Monthly Charges for System Operation and Maintenance		
Residential meter size – homes, condos, apartments	Current Rates	Proposed Rates
5/8 x 3/4"	\$10.30/meter	No Change
3/4" disc meter	\$15.45/meter	No Change
1" disc meter	\$25.75/meter	No Change
1 1/2" disc meter	\$51.50/meter	No Change
2" disc meter	\$82.40/meter	No Change
2" turbo meter	\$108.15/meter	No Change
Residential master meter (shared) apartments and condominiums 5/8 x 3/4" meter	\$10.30/meter	No Change

PROP 218 STRUCTURE

Changes to the Sewer Fixed Service Charges - Irvine Ranch Rate Area:

Proposed Changes for Sewer Service Fixed Monthly Charges for System Operation and Maintenance

Usage	Current Rates	Proposed Rates
Average water usage exceeds 10 ccf per month	\$25.75/month	No Change
Average water usage falls between 5 and 10 ccf	\$23.20/month	No Change
Average water usage falls below 5 ccf	\$19.30/month	No Change
Collection Service Charge (based on flows)	\$0.840/ccf	No Change
Treatment Service Charge (based on flows)		\$1.48/ccf

PROP 218 STRUCTURE

Changes to the Pumping Surcharges - Irvine Ranch Rate Area:

Proposed Changes to Pumping Surcharges

Component	Current Rates	Proposed Rates
Pumping Surcharges by Zone	\$0.21 to \$0.65/ccf	\$0.21 to \$0.64/ccf

PROP 218 STRUCTURE

Other Required Disclosures

- Automatic pass-through adjustments
- Notice the Public Hearing date and location

Recommendations & Next Steps

Recommended Board Actions:


1. Adopt the Resolution to Approve the FY 2017-18 Operating Budget
2. Approve the Proposition 218 Notices

Next Steps:

1. Mail Proposition 218 Notices (~May 5)
2. Auditors to receive and Tabulate Responses over 45 day period
3. June 22, 2017: Adopt proposed Rates & Charges effective July 1, 2017
4. 1st Bills with application of new rates will occur in August.

QUESTIONS/DISCUSSION



April 24, 2017
Prepared and
Submitted by: L. Bonkowski
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

April 20, 2017 Syphon Reservoir Tour for MWD Director Linda Ackerman
May 6, 2017 IRWD Resident Tour

John Withers

April 13, 2017 IRWD's Business Outreach Luncheon
April 26, 2017 MWDOC Board and Member Agency Elected Officials' Forum
May 12, 2017 ACC-OC's Golden Hub of Innovation Awards, Newport Beach
September 16, 2017 IRWD Resident Tour

Douglas Reinhart

April 26, 2017 MWDOC Board and Member Agency Elected Officials' Forum
April 28, 2017 IRWD Resident Tour
May 23, 2017 Monthly Discussion of District Activities with the General Manager

Mary Aileen Matheis

April 12, 2017 Water Education Foundation Water Summit, Sacramento
April 13, 2017 IRWD's Business Outreach Luncheon
April 26, 2017 MWDOC Board and Member Agency Elected Officials' Forum
April 27, 2017 ACWA's Meet the President Event
April 28, 2017 SCWC Quarterly Luncheon, City of Industry
May 25, 2017 Water Education's Santa Ana River Watershed Conference, Ontario
June 21, 2017 Chapman's Annual Economic Forecast Update Conference, Orange

Peer Swan

February 27-March 1, 2017 CASA Washington D.C. Policy Forum, Washington D.C.
February 8-10, 2017 Urban Water Institute Spring Water Conference, Palm Springs
April 19, 2017 OCWA April Luncheon, Irvine
April 26, 2017 MWDOC Board and Member Agency Elected Officials' Forum
April 29, 2017 IRWD Resident Tour
May 23, 2017 Monthly Discussion of District Activities with the General Manager

Consent Calendar: Ratify/Approve Board of Directors' Attendance at Meetings and
Events
April 24, 2017
Page 2

RECOMMENDATION:

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

LIST OF EXHIBITS:

None.

April 24, 2017

Prepared by: Tina Bertsch/Christopher Smithson

Submitted by: Cheryl Clary *CC*

Approved by: Paul Cook *P. Cook*

CONSENT CALENDAR

IRVINE RANCH WATER DISTRICT STRATEGIC MEASURES

SUMMARY:

Provided as Exhibit "A" are the IRWD Strategic Measures and informational items for the Board's review. These measures are intended to reflect the critical performance measures that gauge the District's key business objectives.

BACKGROUND:

The proposed strategic measures document summarizes a number of operating performance, financial, customer and other key measures important to the ongoing operation of the District. These measures were selected and designed to provide a "snapshot" view of the measures that would be of interest to the Board.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE REPORT.

LIST OF EXHIBITS:

Exhibit "A" – March 2017 Strategic Measures

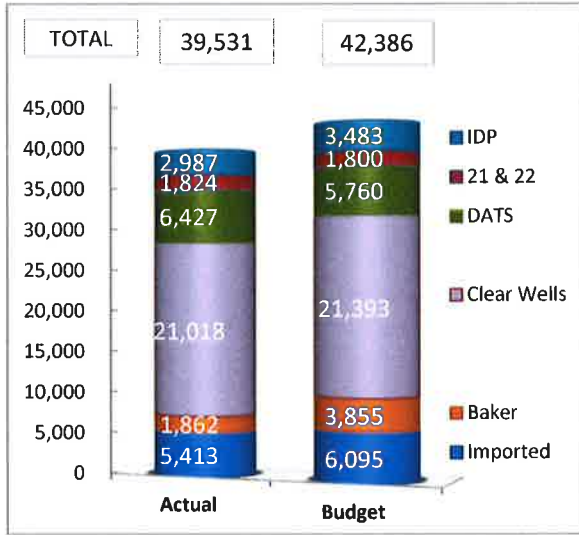
IRVINE RANCH WATER DISTRICT

Exhibit "A"

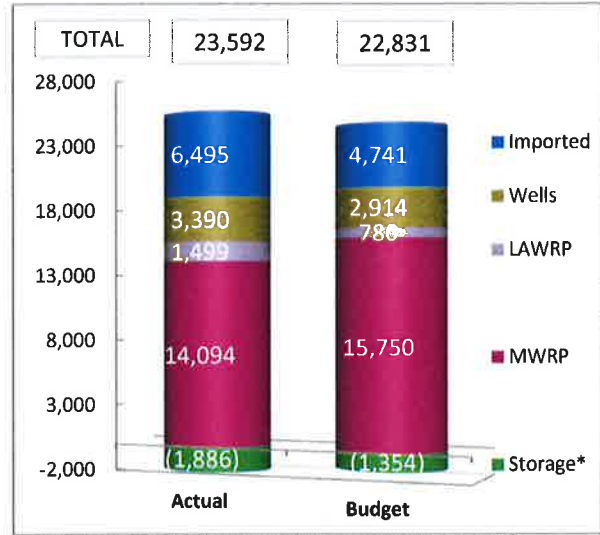
Operational Performance Measures

Data as of March 31, 2017

Potable Water Production FYTD
(AF)



Non-Potable Water Production FYTD
(AF)

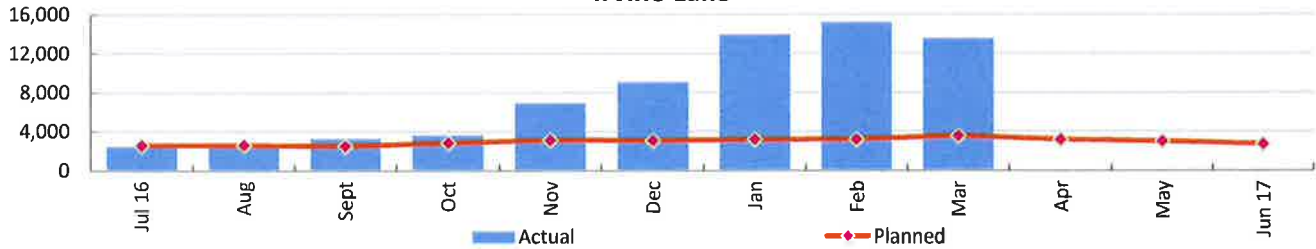


* Excess production moved to recycled reservoirs.

Non-Potable Reservoir Storage

(AF)

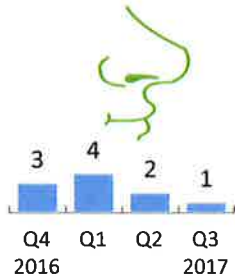
Irvine Lake



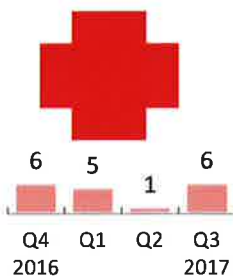
Recycled



Odor Complaints (FY by quarter)



OSHA Recordables Incidents



Regulatory Compliance Incidents

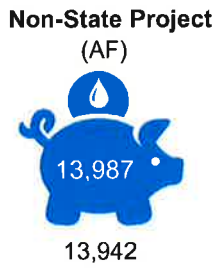
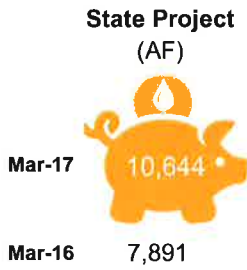
AQMD	0	0	0	0
Plants	0	1	0	1
Sewer Spills	0	0	0	3
	Q4 2016	Q1 2017	Q2 2017	Q3 2017

IRVINE RANCH WATER DISTRICT

Other Statistical Information

Data as of March 31, 2017

Banked Water



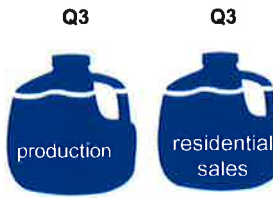
*Calendar Year including extraordinary supply received.

Certificates of Occupancies FYTD



	Apartment	Condominium	Single Family
FY 16-17	928	1069	1124
FY 15-16	973	906	1008

Total Potable Water



	AF	GPCD
FY 16-17	9,772	53
FY 13-14	13,625	71
Reduction	28.3%	25%

Acre-Feet Per Acre Irrigation

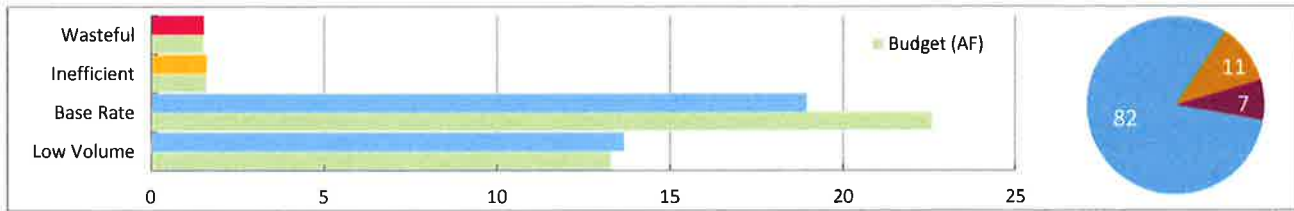


	AF	ET Based Allocation
FY16-17 Q3	0.03	0.18
FY13-14 Q3	0.12	0.22

Potable Sales by Tier FYTD

(in thousands)

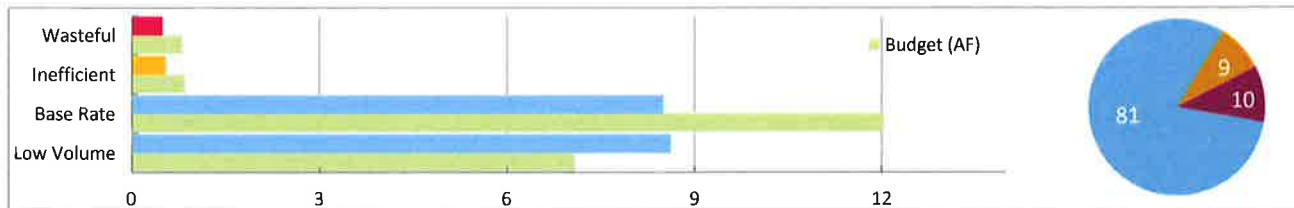
% of Customers by Tier



Non-Potable Sales by Tier FYTD

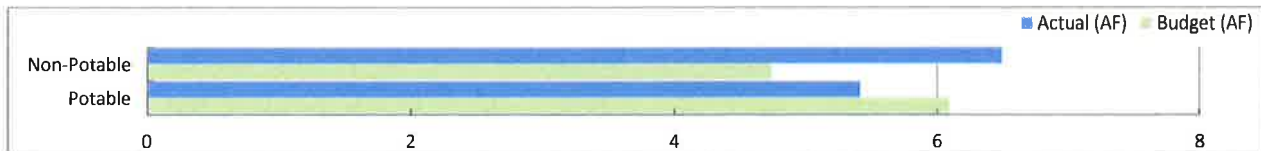
(in thousands)

% of Customers by Tier



Imported Water Purchases FYTD

(in thousands)



Customer Satisfaction Index**



** 12 month rolling average

April 24, 2017
Prepared and
Submitted by: L. Bonkowski
Approved by: P. Cook

LB

CONSENT CALENDAR

MINUTES OF BOARD MEETINGS

SUMMARY:

Provided are the minutes of the April 10, 2017 Special Board Meeting and the April 10, 2017 Regular Board Meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE APRIL 10, 2017 SPECIAL BOARD MEETING AND THE APRIL 10, 2017 REGULAR MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – April 10 Minutes of Special Board Meeting
Exhibit "B" – April 10, 2017 Regular Board Meeting

EXHIBIT "A"

MINUTES OF SPECIAL BOARD MEETING – APRIL 10, 2017

The Special meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 3:00 p.m. by President Reinhart on April 10, 2017 at the second Floor Committee Room, 15600 Sand Canyon Avenue, Irvine, CA 92618.

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

Directors Absent: None.

Also Present: General Manager Cook, Executive Director of Finance Clary, Executive Director of Operations Sheilds, Executive Director of Water Policy Weghorst, Secretary Bonkowski, Scott Morris, Eric Robinson, Jon Goetz, and David Tyra from Kronik Moskovitz, Tiedemann & Girard, (from 3 p.m. to 4 p.m.), and Alfred Smith, Bill Pellman and Mary Lynn Coffee from Nossaman (from 4 to 5 p.m.).

RECESS AND RECONVENE

At 3:00 p.m., President Reinhart recessed the Board meeting from the second Floor Committee Room to the Board Room. At 3:04 p.m., the meeting was reconvened with all Board members present.

Written and Oral Communications: None.

Items too later to be agendized: None.

CLOSED SESSION

President Reinhart said that a Closed Session would be held as follows:

PUBLIC EMPLOYEE APPOINTMENT – Pursuant to Government Code Section 54957(b)
Title: Legal Counsel

OPEN SESSION

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

ADJOURNMENT

There being no further discussion, President Reinhart adjourned the meeting.

APPROVED and SIGNED this 24th day of April, 2017.

President, IRVINE RANCH WATER DISTRICT

Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Legal Counsel - Bowie, Arneson,
Wiles & Giannone

EXHIBIT "B"

MINUTES OF REGULAR MEETING – APRIL 10, 2017

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 Reinhart on April 10, 2017 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

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

Directors Absent: None.

Also Present: General Manager Cook, Executive Director of Finance Clary, Executive Director of Water Policy Weghorst, Executive Director of Operations Sheilds, Executive Director of Engineering and Water Quality Burton, Director of Water Resources Sanchez, Director of Public Affairs Beeman, Director of Treasury and Risk Management Jacobson, Director of Administration Services Mossbarger, Director of Maintenance Drake, Legal Counsel Arneson (via teleconference), Secretary Bonkowski, Principle Engineer Akiyoshi, Government Relations Officer Compton, Ms. Tanja Fournier, Mr. Allen Shinbashi, Mr. Alex Munoz, Ms. Debbie Kanoff, Ms. Maggie Trigueros, Mr. Jim Reed, Mr. Bruce Newell, Mr. Ed Casey, Mr. Alfred Smith, Ms. Mary Lynn Coffee, and Mr. Bill Pellman.

ORAL COMMUNICATIONS:

General Manager Cook introduced Ms. Maggie Trigueros, the District's new Payroll Administrator. He also thanked Ms. Kanoff for performing payroll duties over the last eight months.

WRITTEN COMMUNICATIONS: None.

ITEMS TOO LATE TO BE AGENDIZED: None.

CONSENT CALENDAR

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

4. 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, Peer Swan, Douglas Reinhart and John Withers, as described.

5. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the March 27, 2017 Regular Board Meeting and the March 28, 2017 Adjourned Regular Board Meeting be approved as presented.

CONSENT CALENDAR (CONTINUED)

6. BAKER WATER TREATMENT PLANT LANDSCAPING

Recommendation: That the Board authorize the General Manager to execute a construction contract in the amount of \$189,356 with Tropical Plaza Nursery, Inc. for the Baker Water Treatment Plant Landscaping, project 05027.

7. PLANNING AREA 51, DISTRICT 7 CAPITAL RECYCLED WATER FACILITIES

Recommendation: That the Board authorize the General Manager to accept Heritage Hill's construction contract with FYDAQ in the amount of \$155,316 for project 07169.

ACTION CALENDAR

ANNUAL ORACLE SOFTWARE MAINTENANCE AND SUPPORT AGREEMENT RENEWAL

General Manager Cook reported that the Oracle Software Maintenance and Support Agreements, which expire in May 2017, provide for upgrades and maintenance of the District's Oracle Customer Care and Billing (CC&B) software, Oracle eBusiness Suite (EBS) Financial software, and Oracle Technology software. Mr. Cook said that these agreements provide pricing for software maintenance and licenses contained in the Unlimited License Agreement (ULA) executed with Oracle in May 2014 as well as the EBS Financial Software Agreement executed with Oracle in May 2010.

Director Swan said that this item was reviewed and approved by the Finance and Personnel Committee on April 4, 2017. On MOTION by Swan, seconded and unanimously carried, THE BOARD APPROVED RENEWAL OF THE DISTRICT'S ANNUAL ORACLE SOFTWARE MAINTENANCE AND SUPPORT AGREEMENTS, AND ADDITIONAL LICENSES AND SUPPORT, IN THE AMOUNT OF \$926,000 EFFECTIVE MAY 30, 2017 (ULA) AND MAY 22, 2017 (EBS), RESPECTIVELY.

AUDIT FIRM EXTENSION FOR THE FISCAL YEAR ENDING JUNE 30, 2017

General Manager Cook reported that in 2012, the Board approved a five-year professional services contract with Mayer Hoffman McCann P.C. (MHM) for financial statement audit services. Mr. Cook said that in 2015, the key principals at MHM left the firm and formed a new firm, Davis Farr LLP, and the Board approved a two-year audit services contract with them commencing with the fiscal year ended June 30, 2015. Mr. Cook said that in 2017, the District upgraded to a new version of the Oracle Financial System which included consolidation of several of the District's improvement districts. He further said that in order to maintain continuity and have a smooth transition of the changes as a result of the implementation, staff recommends the Board authorize the General Manager to execute a new audit services contract with Davis Farr LLP for the fiscal year ending June 30, 2017.

Director Swan said that this item was reviewed and approved by the Finance and Personnel Committee on April 4, 2017. On MOTION by Swan, seconded and unanimously carried, THE

BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A NEW AUDIT SERVICES CONTRACT WITH DAVIS FARR LLP FOR THE FISCAL YEAR ENDING JUNE 30, 2017 AT A COST OF \$53,040 PLUS POSSIBLE SINGLE AUDIT FEES NOT TO EXCEED \$2,600.

TURTLE RIDGE PIPELINES REHABILITATION BUDGET ADDITION AND CONSULTANT SELECTION

Executive Director of Engineering Burton reported that in August 2016, a corrosion-related leak occurred in the 16-inch ductile iron domestic water main in Turtle Ridge located in Irvine. Mr. Burton said that the District's consultant, HDR, investigated the cause of the corrosion and attributed the damage to severely corrosive soil conditions. He said that the first phase of this project includes the preparation of a Preliminary Design Report with conceptual designs for rehabilitation, replacement, or cathodic protection of the 16-inch domestic and 10-inch recycled water pipes in Turtle Ridge Drive from Bonita Canyon Drive to Summit Park Drive in Irvine.

Mr. Burton said that staff issued a Request for Proposal on January 20, 2017 to Brown and Caldwell, GHD, HDR, Michael Baker International, and Psomas for preliminary design services. He said that proposals were received on February 22, 2017 from three consultants: GHD, HDR, and Psomas. Michael Baker and Brown and Caldwell declined to submit a proposal. He further said that after evaluating the proposals, staff recommends the selection of Psomas based on its outstanding proposal, pipeline assessment methodology, project understanding, experienced team and best value.

Director LaMar said that this item was reviewed and approved by the Engineering and Operations Committee on March 28, 2017. Following discussion, on MOTION by LaMar, seconded and unanimously carried, **THE BOARD AUTHORIZED THE ADDITION OF PROJECTS 07888 FOR \$309,000 AND 07889 FOR \$309,000 TO THE FY 2016-17 CAPITAL BUDGET; AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT IN THE AMOUNT OF \$135,809 WITH PSOMAS FOR THE TURTLE RIDGE PIPELINES REHABILITATION, PROJECTS 07888 AND 07889.**

TECHNOLOGY DRIVE AND LAGUNA CANYON ROAD CAPITAL RECYCLED WATER FACILITIES CONTRACT CHANGE ORDER

Executive Director of Engineering and Water Quality Burton reported that the Irvine Community Development Company (ICDC) is constructing the Technology Drive and Laguna Canyon Road Zone B Recycled Water pipeline as part of its Technology Drive Extension project under Master and Supplemental Reimbursement Agreements executed in May 1997 and December 2014. Mr. Burton said that this project consists of approximately 6,000 feet of 24-inch cement mortar lined and coated steel pipeline within Laguna Canyon Road and the new Technology Drive extension. Construction of the pipeline began in March 2016 and approximately 2,000 feet has been constructed. The project is scheduled to be complete in fall 2017.

Mr. Burton said that the project has encountered several issues that have had substantial impacts to schedule and budget including an unforeseen Caltrans embankment repair needed at the I-5 Freeway overpass, redesign of Technology Drive grade to account for the Marshburn channel being higher than record drawings indicated, and substantially thicker than standard street sections that are as much as 13 inches of asphalt concrete over 25 inches of base within Laguna Canyon Road. He said that recently, the contractor encountered numerous conflicting utilities near the recycled water pipeline connection point at Irvine Center Drive and Laguna Canyon Road that were not on any record drawings, and as a result, additional potholing was required to resolve utility conflicts at the connection point.

Director LaMar said that this item was reviewed and approved by the Engineering and Operations Committee on March 28, 2017. On MOTION by LaMar, seconded and unanimously carried, **THE BOARD APPROVED CONTRACT CHANGE ORDERS NOS. 3, 4 AND 5 IN THE AMOUNTS OF \$382,074.72, \$116,550.97 AND \$78,052.67, RESPECTIVELY, FOR THE TECHNOLOGY DRIVE AND LAGUNA CANYON ROAD CAPITAL RECYCLED WATER FACILITIES, PROJECT 01015.**

RATIFICATION OF AGREEMENT FOR ONE-YEAR PROGRAM TO AUGMENT RECHARGE USING STOCKDALE WEST RECHARGE FACILITIES

Executive Director of Water Resources Weghorst reported that in February 2016, the Water Banking Committee approved terms for a one-year recharge program that would allow Buena Vista Water Storage District (BVWSD) to recharge high-flow Kern River water using the recharge basins at IRWD's Stockdale West Ranch. The program was not pursued in 2016 because the Kern River did not reach high-flow conditions. With the current wet year conditions BVWSD is now interested in using the Stockdale West Ranch recharge basins. Mr. Weghorst said that on March 30, BVWSD requested reasonable modifications to the proposed terms and offered to begin immediate delivery of water to the Strand and Stockdale West water banking projects. He said that in order to avoid a lost opportunity to capture high-flow Kern River water, staff worked with legal counsel to expedite the preparation of a letter agreement for the one-year program that incorporated BVWSD's requested revisions to the one-year program terms. He said that staff reviewed the revised terms and agreement with the Supply Reliability Programs Committee on March 30, 2017. The Committee concurred with the fair and equitable revisions to the term sheet and authorized the General Manager to proceed on an urgent necessity basis with the execution of the letter agreement that would facilitate the immediate delivery of BVWSD water to both the Strand and Stockdale West Ranch and to present the executed agreement for ratification by the full Board of Directors.

Director Swan reported that the revised terms and agreement with BVWSD for a one-year program to augment recharge using the Stockdale West recharge facilities was reviewed and approved by the Supply Reliability Programs Committee on March 31, 2017. Following discussion, on MOTION by Swan, seconded and unanimously carried, **THE BOARD RATIFIED THE AGREEMENT WITH BUENA VISTA WATER STORAGE DISTRICT FOR A ONE-YEAR PROGRAM TO AUGMENT RECHARGE USING STOCKDALE WEST RECHARGE FACILITIES.**

WORKSHOP

FISCAL YEAR 2017-18 OPERATING BUDGET AND PROPOSED RATES AND CHARGES

Executive Director of Finance and Administration Clary reported that the proposed Fiscal Year (FY) 2017-18 Operating Budget for Irvine Ranch Water District is \$148.7 million, representing an increase of \$1.7 million, or 1.2%, when compared to the Operating Budget for FY 2016-17. Ms. Clary said that this item had been reviewed by the Finance and Personnel Committee on four occasions. She recognized staff members Mr. Christopher Smithson and Ms. Jennifer Davis for their efforts on the budget preparation.

Using a PowerPoint presentation, Ms. Jennifer Davis reviewed the key assumptions for the Operating Budget including: 1) potable water sales in line with F 2016-17 budget; 2) customer growth of 2%; 3) no change in customer water allocations – adjust percent allocation for over allocation tiers; 4) no BEA expected – use capital offsets; 5) Los Alisos customers transition onto Irvine Ranch rates effective 7/1/2017; 6) full year of Baker Water Treatment Plant - IRWD share 24%; 7) Biosolids facility start up in 2018; 8) OCWD replenishment assessment of \$445/acre-feet; MWDOC increases of 4% treated and untreated water; and 9) PERS funding at 25% - no OPEB funding.

Ms. Davis reviewed the proposed sources of water supply from the Dyer Road Wellfield, treated groundwater, imported water, and the Baker Water Treatment Plant. She further reviewed the four key drivers comprising of 85% of the operating budget including salaries and benefits at \$53.7 million - 36.1%); purchased water at \$35.3 million at 23.7%; repairs and maintenance at \$23.5 million at 15.8%; and electricity at \$14.6 million at 9.8%, for a total of \$148.7 million. She then compared the key drivers compared to the prior year budget which is increased by 1.2% or \$1.8 million.

Using a PowerPoint presentation, Mr. Christopher Smithson reviewed the funding sources and uses, proposed rates, pumping surcharges, rate comparisons and history, and non-operating sources and uses. Following discussion, Mr. Smithson said that the second budget workshop will be held on April 24, 2017.

GENERAL MANAGER'S REPORT

General Manager Cook reported that this week's OCWD Administration and Finance Committee will be deferring further considerations on modifying how the Replenishment Assessment and additional replenishment assessments are structured pending an anticipated legal ruling by the California Supreme Court.

Mr. Cook presented the California Municipal Utilities Association award that the District received for its Battery Storage project.

DIRECTORS' COMMENTS

Director Matheis reported on her attendance at a recent ISDOC meeting where discussion was held regarding if they should be incorporated. She said that she also attended the California Water Policy Conference 26 in San Diego.

DIRECTORS' COMMENTS (CONTINUED)

Director LaMar reported on his attendance at an ACWA/CESA Energy Storage workshop in Sacramento along with a Federal Advocacy trip in Washington, D.C.

Director Withers reported that tomorrow he will be attending an NWRI Operations Committee meeting, on Wednesday a LAFCO Strategic Planning session, and on Thursday the District's Business Outreach Luncheon with vendors.

Director Swan reported that he attended a MWDOC Water Policy forum dinner, an OCWD Board meeting, a Newport Chamber of Commerce meeting, and a WACO monthly meeting relative to the Prado Dam. He also said that he is continuing to work with OCWD and OCSD relative to assembling a watershed plan as well as with SAWPA in regard to the OWOW steering committee.

Director Reinhart reported on his attendance at Federal Advocacy meetings in Washington, D.C. along with General Manager Cook, Director LaMar, and Government Relations Officer Compton.

IRWD's Consultant Bruce Newell reported that OCFA is developing a tool for red flag conditions.

IRWD's consultant Jim Reed reported on meetings he attended on behalf of the District including SOCWA, ISDOC, and WACO.

CLOSED SESSION

President Reinhart said that the following Closed Session would be held:

- 1) CONFERENCE WITH LEGAL COUNSEL RELATIVE TO EXISTING LITIGATION – Government Code Section 54956.9(d)(1) IRWD v. OCWD Case No. 30-2016-00858584-CU-WM-CJC), and
- 2) PUBLIC EMPLOYEE APPOINTMENT – Pursuant to Government Code Section 54957(b). Title: Legal Counsel

OPEN SESSION

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

ADJOURNMENT

There being no further business, President Reinhart adjourned the meeting.

APPROVED and SIGNED this 24th day of April, 2017.

President, IRVINE RANCH WATER DISTRICT

Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Legal Counsel - Bowie, Arneson, Wiles & Giannone

April 24, 2017
Prepared by: C. Spangenberg/M. Cortez
Submitted by: K. Burton *KLB*
Approved by: Paul Cook *A. Cook*

CONSENT CALENDAR

DYER ROAD WELLFIELD WELL NO. 18 REHABILITATION
FINAL ACCEPTANCE

SUMMARY:

Construction of the Dyer Road Wellfield (DRWF) Well No. 18 Rehabilitation project is complete. The contractor, Best Drilling and Pump, Inc., has completed the required work and all punch list items. The project has received final inspection and acceptance of construction is recommended.

BACKGROUND:

Richard C. Slade and Associates completed the well rehabilitation design in June 2016. Best Drilling and Pump, Inc. was awarded the construction contract on July 11, 2016 and completed construction of the improvements on April 10, 2017. Staff recommends that the Board accept the construction of DRWF Well No. 18 Rehabilitation.

Project Title:	DRWF Well No. 18 Rehabilitation
Project No.:	04401
Design Engineer:	Richard C. Slade and Associates, LLC
Construction Management by:	IRWD Staff
Contractor:	Best Drilling and Pump, Inc.
Original Contract Cost:	\$345,520.00
Final Contract Cost:	\$653,944.50
Original Contract Days:	120
Final Contract Days:	266
Final Change Order Approved On:	April 18, 2017

FISCAL IMPACTS:

Project 04401 is included in the FY 2016-17 Capital Budget. The existing budget is sufficient to fund the final payment for the project. The large change in cost between the original contract amount and the final contract cost was due to the additional work to install a stainless steel liner within the entire length of the well.

ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15301 which provides exemption for minor alterations of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination. A Notice of Exemption for the project was filed with the Orange County Clerk/Recorder on April 13, 2016.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

RECOMMENDATION:

THAT THE BOARD ACCEPT CONSTRUCTION OF DYER ROAD WELLFIELD WELL NO. 18 REHABILITATION, PROJECT 04401; AUTHORIZE THE GENERAL MANAGER TO FILE A NOTICE OF COMPLETION; AND AUTHORIZE THE RELEASE OF RETENTION 35 DAYS AFTER FILING OF THE NOTICE OF COMPLETION.

LIST OF EXHIBITS:

None.

April 24, 2017

Prepared by: Jennifer Davis/Tanja Fournier

Submitted by: Robert Jacobson/Cheryl Clary

Approved by: Paul Cook

CONSENT CALENDAR

MARCH 2017 TREASURY REPORTS

SUMMARY:

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

- A. The Investment Summary Report for March 2017. This Investment Summary Report is in conformity with the 2017 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, 2017, as outlined in Exhibit "B".
- C. The Summary of Payroll ACH payments in the total amount of \$2,544,309, as outlined in Exhibit "C".
- D. The March 31, 2017 Disbursement Summary of warrants 375075 through 376195, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$74,940,455 as outlined in Exhibit "D".
- E. The Disclosure Report of Reimbursements to Board Members and Staff for March 2017, detailing payments or reimbursements for individual charges of \$100.00 or more per transaction, as outlined in Exhibit "E".

FISCAL IMPACTS:

As of March 31, 2017, the book value of the investment portfolio was \$367,474,850, with a 0.98% rate of return and a market value of \$366,032,115. Based on the District's March 31, 2017 quarterly real estate investment rate of return of 14.25%, the weighted average return for the fixed income and real estate investments was 3.01%.

As of March 31, 2017, 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 \$615,774.

Payroll ACH payments totaled \$2,544,309, and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for March totaled \$74,940,455.

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE TREASURER'S INVESTMENT SUMMARY REPORT, THE MONTHLY INTEREST RATE SWAP SUMMARY FOR MARCH 2017, AND DISCLOSURE REPORT OF REIMBURSEMENTS TO BOARD MEMBERS AND STAFF; APPROVE THE MARCH 2017 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$2,544,309 AND APPROVE THE MARCH 2017 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 375075 THROUGH 376195, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$74,940,455.

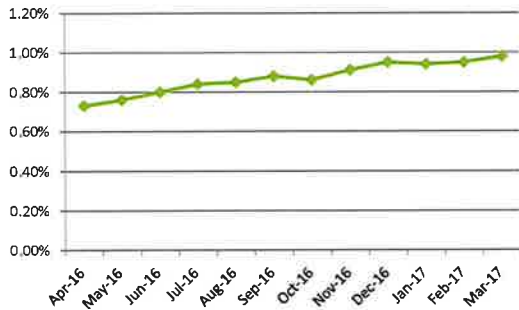
LIST OF EXHIBITS:

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

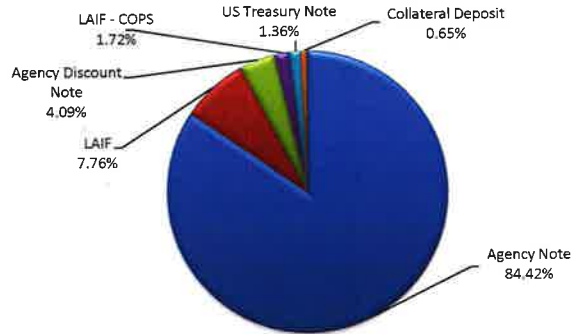
Exhibit "A"

Irvine Ranch Water District Investment Portfolio Summary March 2017

Monthly Fixed Income Yield



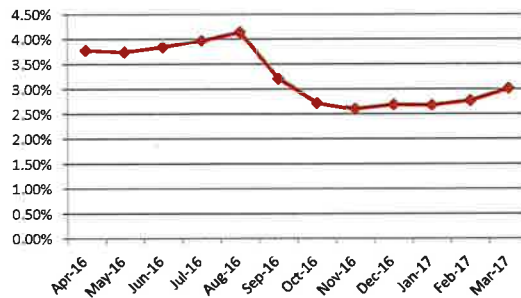
Portfolio Distribution



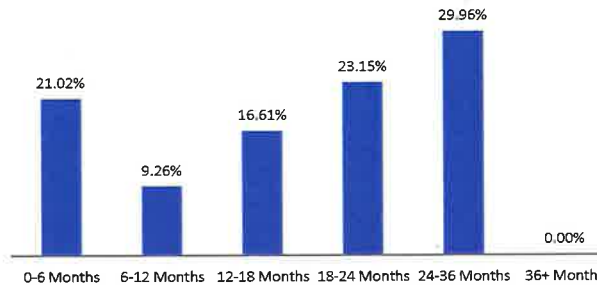
Investment Summary

Type	PAR	Book Value	Market Value
Agency Note	310,000,000	310,279,854	308,875,240
LAIF	28,500,000	28,500,000	28,476,515
Agency Discount Note	15,000,000	14,986,525	14,984,050
LAIF - COPS	6,300,000	6,300,000	6,294,808
US Treasury Note	5,000,000	5,032,770	5,025,800
Collateral Deposit	2,375,702	2,375,702	2,375,702
Grand Total	367,175,702	367,474,850	366,032,115

Weighted Average Return Including Real Estate Portfolio



Maturity Distribution



Top Issuers

Issuer	PAR	% Portfolio
Fed Home Loan Bank	126,000,000	34.32%
Fed Home Loan Mortgage Corp	74,000,000	20.15%
Fed Natl Mortgage Assoc	65,000,000	17.70%
Fed Farm Credit Bank	60,000,000	16.34%
State of California Treasury - LAIF	34,800,000	9.48%
US Treasury Note	5,000,000	1.36%
Citi-Group Collateral	2,375,702	0.65%
Merrill Lynch Collateral	0	0.00%
Grand Total	367,175,702	100.00%

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

03/31/17

SETTLMT *	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 3/31/2017	UNREALIZED ⁽²⁾ GAIN/(LOSS)
03/06/17			04/01/17		LAIF	State of California Tsy	\$28,500,000		0.820%	\$28,500,000.00	\$28,500,000.00	28,476,514.60	(23,485.40)
03/06/17			04/01/17		LAIF - COPS	State of California Tsy	6,300,000		0.820%	\$6,300,000.00	\$6,300,000.00	6,294,808.49	(5,191.51)
06/16/16	N/A	N/A	04/21/17	NR	FNMA - Discount Note	Fed Natl Mortgage Assoc	5,000,000	0.530%	0.539%	4,977,254.15	4,998,527.78	4,998,300.00	(227.78)
06/16/16	N/A	N/A	04/27/17	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.125%	0.607%	5,022,271.95	5,001,838.32	5,001,200.00	(638.32)
06/16/16	N/A	N/A	05/12/17	NR	FNMA - Discount Note	Fed Natl Mortgage Assoc	5,000,000	0.570%	0.580%	4,973,875.00	4,996,754.17	4,996,050.00	(704.17)
08/27/15	N/A	N/A	05/30/17	NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.625%	0.642%	4,998,500.00	4,999,862.15	4,998,550.00	(1,312.15)
06/16/16	N/A	N/A	06/30/17	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.800%	0.614%	5,009,614.00	5,002,283.01	4,999,600.00	(2,683.01)
12/09/16	N/A	N/A	07/07/17	NR	FHLB - Discount Note	Fed Home Loan Bank	5,000,000	0.647%	0.658%	4,981,041.65	4,991,243.05	4,989,700.00	(1,543.05)
11/05/15	N/A	N/A	08/28/17	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.750%	0.800%	4,995,500.00	4,998,987.16	4,996,900.00	(2,087.16)
09/16/15	N/A	N/A	09/15/17	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.900%	0.915%	4,998,500.00	4,999,656.85	5,002,650.00	2,993.15
01/30/17	N/A	N/A	10/31/17	NR	US Treasury - Note	US Treasury	5,000,000	1.875%	0.743%	5,042,154.40	5,032,769.66	5,025,800.00	(6,969.66)
12/08/16	N/A	N/A	11/21/17	AAA/NR/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	0.750%	0.866%	9,989,000.00	9,992,603.45	9,982,600.00	(10,003.45)
12/18/15	Continuous after	12/13/13	12/12/17	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.820%	1.132%	4,969,500.00	4,989,272.41	4,992,650.00	3,377.59
04/22/16	N/A	N/A	01/29/18	NR/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.850%	0.856%	3,999,600.00	3,999,812.67	3,990,840.00	(8,972.67)
03/01/16	Quarterly	05/26/16	02/26/18	NR/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.050%	1.050%	5,000,000.00	5,000,000.00	4,996,550.00	(3,450.00)
03/23/16	N/A	N/A	03/23/18	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.100%	0.908%	5,019,000.00	5,009,265.75	4,989,300.00	(19,965.75)
04/07/16	N/A	N/A	04/09/18	NA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.750%	0.790%	4,996,000.00	4,997,961.75	4,980,250.00	(17,711.75)
05/16/16	N/A	N/A	05/16/18	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.750%	0.801%	4,995,000.00	4,997,191.78	4,979,550.00	(17,641.78)
05/13/16	N/A	N/A	05/21/18	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.875%	0.768%	5,010,700.00	5,006,016.94	4,982,950.00	(23,066.94)
05/24/16	N/A	N/A	06/08/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	11,000,000	1.250%	0.995%	11,056,540.00	11,032,861.50	11,009,900.00	(22,961.50)
06/29/16	One Time	12/29/16	06/29/18	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	10,000,000	1.000%	0.679%	10,016,000.00	10,009,950.68	9,978,500.00	(31,450.68)
09/01/16	One Time	07/27/17	07/27/18	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.750%	0.928%	4,983,250.00	4,988,366.71	4,967,950.00	(20,416.71)
12/21/16	One Time	08/15/17	08/15/18	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.000%	1.245%	4,980,000.00	4,983,355.48	4,983,500.00	144.52
09/01/16	One Time	02/28/17	08/28/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.000%	1.000%	5,000,000.00	5,000,000.00	4,977,900.00	(22,100.00)
09/01/16	NA	NA	09/14/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.125%	0.916%	5,021,000.00	5,015,008.08	4,990,350.00	(24,658.08)
12/28/16	NA	NA	09/14/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.125%	1.225%	4,991,500.00	4,992,778.40	4,990,350.00	(2,428.40)
10/12/16	N/A	N/A	09/27/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	0.900%	0.952%	9,990,000.00	9,992,111.89	9,958,100.00	(34,011.89)
10/12/16	N/A	N/A	09/28/18	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.880%	0.942%	4,994,000.00	4,995,265.36	4,978,150.00	(17,115.36)
09/01/16	NA	NA	10/01/18	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.030%	0.925%	5,010,750.00	5,007,751.32	4,987,650.00	(20,101.32)
10/12/16	One Time	04/12/17	10/12/18	Aaa/NR/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	1.000%	1.041%	9,992,000.00	9,993,654.79	9,946,800.00	(46,854.79)
10/12/16	N/A	N/A	11/27/18	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	10,000,000	1.625%	0.956%	10,140,360.00	10,113,047.68	10,061,200.00	(51,847.68)
12/21/16	N/A	N/A	12/05/18	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.100%	1.319%	4,978,900.00	5,068,091.85	4,987,000.00	(81,091.85)
09/01/16	NA	NA	12/14/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.750%	0.941%	5,091,300.00	5,036,032.80	5,041,850.00	5,817.20
12/27/16	NA	NA	12/14/18	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.750%	1.320%	5,041,536.20	4,981,884.73	5,041,850.00	59,965.27
09/01/16	One Time	07/30/18	01/30/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.950%	1.009%	4,993,000.00	4,994,684.45	4,956,850.00	(37,834.45)
10/26/16	One Time	07/30/18	01/30/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.950%	1.035%	4,990,500.00	4,992,236.68	4,956,850.00	(35,386.68)
10/26/16	One Time	07/30/18	01/30/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.950%	1.040%	4,990,000.00	4,991,828.09	4,956,850.00	(34,978.09)
10/12/16	Continuous after	02/12/18	02/12/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	1.050%	1.093%	9,990,000.00	9,991,770.22	9,951,400.00	(40,370.22)
09/01/16	NA	NA	03/08/19	Aaa/AA+/AAA	FHLB - Note	Fed Home Loan Bank	5,000,000	1.500%	0.964%	5,066,500.00	5,051,142.70	5,013,200.00	(37,942.70)
10/12/16	One Time	03/29/17	03/29/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.050%	1.050%	4,999,950.00	4,999,958.41	4,965,950.00	(34,008.41)
10/12/16	N/A	N/A	04/15/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	10,000,000	1.125%	0.992%	10,032,800.00	10,027,387.10	9,951,600.00	(75,787.10)
10/31/16	One Time	04/26/17	04/26/19	Aaa/AA+/AAA	FHLMC - Note	Fed Farm Credit Bank	5,000,000	1.050%	1.060%	4,998,750.00	4,998,958.10	4,967,450.00	(31,508.10)
09/01/16	One Time	08/28/17	05/28/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.030%	1.048%	4,997,550.00	4,998,069.92	4,947,400.00	(50,669.92)

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

03/31/17

SETTLMT *	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 3/31/2017	UNREALIZED ⁽²⁾ GAIN/(LOSS)
09/01/16	NA	NA	06/14/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.625%	0.987%	5,087,400.00	5,069,162.99	5,022,050.00	(47,112.99)
10/12/16	NA	NA	06/14/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.625%	1.103%	5,068,515.88	5,057,904.70	5,022,050.00	(35,854.70)
10/12/16	NA	NA	07/19/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.875%	1.098%	4,969,652.90	4,974,189.94	4,939,250.00	(34,939.94)
09/01/16	One Time	01/26/17	07/26/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.150%	1.180%	4,995,700.00	4,996,561.63	4,970,800.00	(25,761.63)
09/01/16	One Time	08/28/17	08/28/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.150%	1.160%	4,998,500.00	4,998,791.48	4,928,300.00	(70,491.48)
09/01/16	One Time	02/28/17	08/28/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.125%	1.132%	4,999,000.00	4,999,194.32	4,958,450.00	(40,744.32)
09/28/16	Quarterly	03/09/17	09/09/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.125%	1.142%	4,997,500.00	4,997,928.64	4,925,350.00	(72,578.64)
09/28/16	Continuous after	12/27/16	09/27/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.250%	1.189%	5,001,500.00	5,001,246.34	4,952,550.00	(48,696.34)
10/12/16	Continuous after	10/03/17	10/03/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	1.125%	1.160%	9,989,780.00	9,991,201.01	9,901,700.00	(89,501.01)
10/12/16	Continuous after	10/11/17	10/11/19	Aaa/AA+/NR	FPCB - Note	Fed Farm Credit Bank	10,000,000	1.120%	1.205%	9,975,000.00	9,978,450.64	9,894,000.00	(84,450.64)
11/08/16	Quarterly	05/08/17	11/08/19	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.250%	1.245%	5,000,750.00	5,000,651.37	4,955,050.00	(45,601.37)
11/28/16	NA	NA	11/15/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.375%	1.440%	4,990,550.00	4,991,632.99	4,982,700.00	(8,932.99)
11/28/16	Quarterly	05/25/17	11/25/19	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.400%	1.503%	4,985,000.00	4,986,703.30	4,974,700.00	(12,003.30)
12/12/16	NA	NA	12/12/19	Aaa/AA+/NR	FPCB - Note	Fed Farm Credit Bank	5,000,000	1.450%	1.440%	5,001,450.00	5,001,304.20	4,991,850.00	(9,454.20)
12/21/16	NA	NA	12/19/19	Aaa/AA+/NR	FPCB - Note	Fed Farm Credit Bank	5,000,000	1.500%	1.621%	4,982,350.00	4,983,980.97	4,994,250.00	10,269.03
SUB-TOTAL							<u>\$364,800.00</u>			<u>\$365,166,346.13</u>	<u>\$365,099,148.38</u>	<u>\$363,656,413.09</u>	<u>(\$1,442,735.28)</u>
<u>RESTRICTED CASH (Swap Collateral Deposits)⁽⁴⁾</u>													
03/01/17					Collateral Deposit	Citi-Group	\$2,375,702		0.910%	\$2,375,701.71	\$2,375,701.71	2,375,701.71	
					Collateral Deposit	Merrill Lynch	-						
SUB-TOTAL							<u>\$2,375,702</u>			<u>\$2,375,701.71</u>	<u>\$2,375,701.71</u>	<u>\$2,375,701.71</u>	
<u>TOTAL INVESTMENTS</u>							<u>\$367,175,702</u>			<u>\$367,542,047.84</u>	<u>\$367,474,850.09</u>	<u>\$366,032,114.80</u>	
					February	Petty Cash Ck Balance				3,400.00 1,084,421.61			
						Bank of America				<u>\$368,629,869.45</u>			

⁽¹⁾ LAIF market value is as of the most recent quarter-end as reported by LAIF
⁽²⁾ Security market values are determined using Bank of New York ("Trading Prices"), Bloomberg and/or broker dealer pricing

⁽³⁾ Gain (loss) calculated against carry value using the trading value provided by Bank of New York/or Brokers

⁽⁴⁾ Real estate rate of return is based on most recent quarter end return

⁽⁵⁾ Swap Collateral Deposits assumes 6 month maturity, dependent on interest rate changes

Outstanding Variable Rate Debt	\$304,900,000
Net Outstanding Variable Rate Debt (Less \$130 million fixed-payer swaps)	\$174,900,000
Investment Balance:	\$368,629,869
Investment to Variable Rate Debt Ratio:	211%
Portfolio - Average Number of Days To Maturity ⁽⁴⁾	518

	Investment Portfolio	Real Estate ⁽³⁾ Portfolio	Weighted Avg. Return
March	0.98%	14.25%	3.01%
February	0.95%	13.35%	2.77%
Change	0.03%		0.24%

This Investment Summary Report is in conformity with the 2017 Investment Policy and provides sufficient liquidity to meet the next six months estimated expenditures

*S - Step up

IRVINE RANCH WATER DISTRICT
SUMMARY OF MATURITIES

03/31/17

DATE	TOTAL	%	LAIF	Agency Notes	Agency Discount Notes	Collateral Deposit	US Treasury
03/17	\$34,800,000	9.48%	\$34,800,000				
04/17	10,000,000	2.72%		5,000,000	5,000,000		
05/17	10,000,000	2.72%		5,000,000	5,000,000		
06/17	5,000,000	1.36%		5,000,000			
07/17	5,000,000	1.36%			5,000,000		
08/17	7,375,702	2.01%		5,000,000		\$2,375,702	
09/17	5,000,000	1.36%		5,000,000			
10/17	5,000,000	1.36%					\$5,000,000
11/17	10,000,000	2.72%		10,000,000			
12/17	5,000,000	1.36%		5,000,000			
01/18	4,000,000	1.09%		4,000,000			
02/18	5,000,000	1.36%		5,000,000			
SUB-TOTAL	\$106,175,702	28.92%	\$34,800,000	\$49,000,000	\$15,000,000	\$2,375,702	\$5,000,000
13 Months - 3 YEARS							
3/01/18 - 5/31/18	20,000,000	5.45%		20,000,000			
6/01/18 - 8/31/2018	36,000,000	9.80%		36,000,000			
09/01/18 - 11/30/2018	50,000,000	13.62%		50,000,000			
12/01/18 - 2/28/2019	40,000,000	10.89%		40,000,000			
3/01/2019 - 5/31/19	30,000,000	8.17%		30,000,000			
6/01/19 - 8/31/2019	30,000,000	8.17%		30,000,000			
09/01/2019 - 11/30/2019	45,000,000	12.26%		45,000,000			
12/01/2019 - 2/28/2020	10,000,000	2.72%		10,000,000			
	-						
	-						
TOTALS	\$367,175,702	100.00%	\$34,800,000	\$310,000,000	\$15,000,000	\$2,375,702	\$5,000,000

% OF PORTFOLIO

9.48%

84.42%

4.09%

0.65%

1.36%

Irvine Ranch Water District
 Summary of Real Estate
 3/31/2017

	<u>ACQUISITION DATE</u>	<u>PROPERTY TYPE</u>	<u>OWNERSHIP INTEREST</u>	<u>ORIGINAL COST</u>	<u>ESTIMATED MARKET VALUE 6/30/2016</u>	<u>RATE OF RETURN QUARTER ENDED 3/31/2017</u>
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 43,550,810	\$ 143,910,000	19.02%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	\$ 27,296,298	8.57%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,739,845	\$ 9,384,000	6.68%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,630,577	\$ 7,650,000	4.85%
Sand Canyon Professional Center	Jul-12	Medical Office	Fee Simple	<u>\$ 8,648,594</u>	<u>\$ 10,608,000</u>	<u>8.58%</u>
				<u>\$ 72,569,826</u>	<u>\$ 198,848,298</u>	<u>14.25%</u>

**IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT
 INVESTMENT ACTIVITY
 Mar-17**

MATURITIES/SALES/CALLS

PURCHASES

DATE	SECURITY TYPE	PAR	YIELD	Settlement Date	Maturity Date	SECURITY TYPE	PAR	YIELD TO MATURITY
3/30/2017	FHLB - Note	\$5,000,000	0.73%					
3/31/2017	FHLB - Discount Note	\$5,000,000	0.54%					

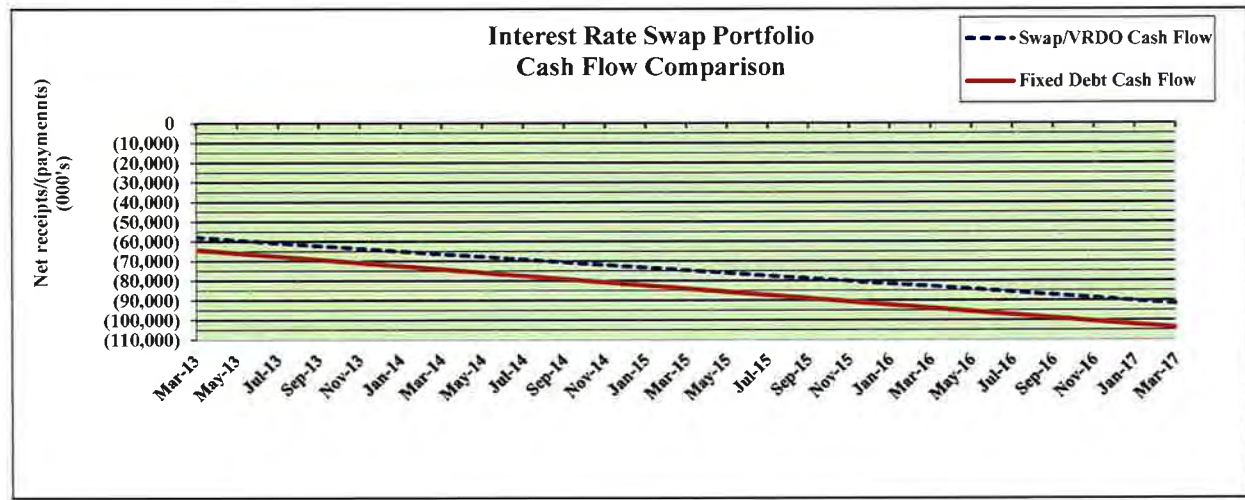
**IRVINE RANCH WATER DISTRICT
INTEREST RATE SWAP MONTHLY SUMMARY REPORT - DETAIL
March 31, 2017**

LIBOR Avg %	Prior Mo.	Current Mo.	12-Mo Avg
	0.78%	0.92%	0.59%

Current Fiscal Year Active Swaps								Cash Flow				Mark to Market		
Effective Date	Maturity Date	Years to Maturity	Counter Party	Notional Amt	Type	Base Index	Fixed Rate	Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	(Since 6/06)	Current Mark to Market	Notional Difference
Fixed Payer Swaps - By Effective Date														
6/4/2006	6/4/2019	2.2	ML	\$ 20,000,000	FXP	LIBOR	6.200%	(80,970)	(99,491)	\$ (840,423)	\$ (10,667,599)		\$ 17,300,060	\$ (2,699,940)
6/4/2006	6/4/2019	2.2	CG	20,000,000	FXP	LIBOR	6.200%	(80,970)	(99,491)	(840,423)	(10,667,599)		17,008,893	(2,991,107)
6/17/2006	6/17/2019	2.2	CG	30,000,000	FXP	LIBOR	6.140%	(120,205)	(146,890)	(1,245,982)	(15,824,433)		27,008,893	(2,991,107)
3/10/2007	3/10/2029	12.0	ML	30,000,000	FXP	LIBOR	5.687%	(110,153)	(134,951)	(1,145,176)	(14,260,205)		19,397,387	(10,602,613)
3/10/2007	3/10/2029	12.0	CG	30,000,000	FXP	LIBOR	5.687%	(110,153)	(134,951)	(1,145,176)	(14,260,205)		19,561,901	(10,438,099)
Totals/Weighted Avgs				6.7	\$ 130,000,000		5.949%	\$ (502,451)	\$ (615,774)	\$ (5,217,180)	\$ (65,680,042)		\$ 100,277,134	\$ (29,722,866)
Total Current Year Active Swaps				\$ 130,000,000				\$ (502,451)	\$ (615,774)	\$ (5,217,180)	\$ (65,680,042)		\$ 100,277,134	\$ (29,722,866)

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

Current Fiscal Year - Total Swaps								Cash Flow				Mark to Market	
Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Current Mark to Market	Notional Difference								
\$ (502,451)	\$ (615,774)	\$ (5,217,180)	\$ (65,680,042)	\$ 100,277,134	\$ (29,722,866)								



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt	
Cash Flow to Date	
Synthetic Fixed =	\$91,558,755
Fixed Rate =	\$106,151,468
Assumptions:	
- Fixed rate debt issued at 5.10% in Jun-06, and 4.93% in Mar-07 (estimated TE rates - Bloomberg)	
- 'Synthetic' includes swap cash flow + interest + fees to date	

Exhibit "C"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

**March
2017**

	AMOUNT	VENDOR	PURPOSE
3/3/2017	857,267.03	BANK OF AMERICA	ACH Payments for Payroll
3/17/2017	847,249.42	BANK OF AMERICA	ACH Payments for Payroll
3/31/2017	839,792.27	BANK OF AMERICA	ACH Payments for Payroll
	<u>\$2,544,308.72</u>		

Exhibit "D"

IRWD Ledger Upgrade

Void Payment Register

Report Date: 17-APR-2017 13:17

Include Zero Amount Payments: No
 Display Payee Address: No

Period From: 01-MAR-17

Page: 1
 To: 31-MAR-17
 Date: Void Date

Bank: Bank of America N.A.

Branch: Los Angeles

Account: Checking AP and PR

Bank Account Currency: USD

Payment Currency: USD (US Dollar)

Payment Number	Date	Payee Name	Site	Address	Payment Amount	Void Date
Payment Document: IRWD CHECK						
375075	01-MAR-17	COUNTY OF RIVERSIDE	2724	GATEWAY DR	50.00	01-MAR-17
375167	02-MAR-17	Tran, Jason M (Jason)	HOME		172.00	15-MAR-17
375418	09-MAR-17	ZHANG, YONGCHAO	PAY		16.68	22-MAR-17
Payment Document Subtotal					238.68	
Bank Account Subtotal					238.68	
Report Total					238.68	
					Total Voids	

Report Count: 3

*** End of Report ***

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 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								
375075		01-MAR-17	COUNTY OF RIVERSIDE	2724 GATEWAY DR	50.00			Voided
375076		01-MAR-17	COUNTY OF RIVERSIDE	2724 GATEWAY DR	50.00	01-MAR-17	50.00	Cleared
375077		01-MAR-17	SOUTH COAST AIR QUALITY MANAGEMENT	DIAMOND BAR 2 DISTRICT	109.10	07-MAR-17	109.10	Reconciled
375078		01-MAR-17	JCI JONES CHEMICALS INC	CINCINNATI	8,196.72	02-MAR-17	8,196.72	Reconciled
375079		01-MAR-17	SOUTHERN CALIFORNIA EDISON COMPANY	ROSEMEAD	73.02	01-MAR-17	73.02	Reconciled
375080		01-MAR-17	THE GAS COMPANY	MONTEREY PARK 1	2,970.45	02-MAR-17	2,970.45	Reconciled
375081		01-MAR-17	AT&T	CAROL STREAM 1	1,661.41	03-MAR-17	1,661.41	Cleared
375082		01-MAR-17	FRONTIER CALIFORNIA INC.	CINCINNATI	50.94	03-MAR-17	50.94	Reconciled
375083		01-MAR-17	SMITH SYSTEM DRIVER IMPROVEMENT INSTITUTE, INC.	BALTIMORE	1,378.90	06-MAR-17	1,378.90	Cleared
375084		02-MAR-17	AAF INTERNATIONAL		1,339.39	20-MAR-17	1,339.39	Reconciled
375085		02-MAR-17	AIRGAS, INC.		290.93	20-MAR-17	290.93	Reconciled
375086		02-MAR-17	ALEXANDER'S CONTRACT SERVICES, INC.		125.00	08-MAR-17	125.00	Reconciled
375087		02-MAR-17	ALL AMERICAN SEWER TOOLS		382.21	14-MAR-17	382.21	Reconciled
375088		02-MAR-17	ALPHA TRAFFIC SERVICES, INC.		1,760.00	22-MAR-17	1,760.00	Reconciled
375089		02-MAR-17	ANTHEM BLUE CROSS		281.97	07-MAR-17	281.97	Reconciled
375090		02-MAR-17	ANTHEM BLUE CROSS		208.43	07-MAR-17	208.43	Reconciled
375091		02-MAR-17	ANTHEM BLUE CROSS		546.33	07-MAR-17	546.33	Reconciled
375092		02-MAR-17	ANTHEM BLUE CROSS		546.33	07-MAR-17	546.33	Reconciled
375093		02-MAR-17	AT&T		9,429.95	09-MAR-17	9,429.95	Reconciled
375094		02-MAR-17	AT&T		48.57	09-MAR-17	48.57	Reconciled
375095		02-MAR-17	AT&T		51.74	08-MAR-17	51.74	Reconciled
375096		02-MAR-17	AT&T		3,783.65	09-MAR-17	3,783.65	Reconciled
375097		02-MAR-17	AT&T INTERNET SERVICES		2,075.61	09-MAR-17	2,075.61	Reconciled
375098		02-MAR-17	ATHENS SERVICES		8,413.85	07-MAR-17	8,413.85	Reconciled
375099		02-MAR-17	AUTOZONE PARTS, INC.		247.67	10-MAR-17	247.67	Reconciled
375100		02-MAR-17	BATTERIES PLUS AND BATTERIES PLUS BULBS		231.02	06-MAR-17	231.02	Cleared

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 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								
375101		02-MAR-17	BIOMAGIC INC		12,636.91	09-MAR-17	12,636.91	Reconciled
375102		02-MAR-17	BLAIRS TOWING INC		100.00	20-MAR-17	100.00	Reconciled
375103		02-MAR-17	BROOKFIELD HOMES		235,718.45	17-MAR-17	235,718.45	Reconciled
375104		02-MAR-17	CALIFORNIA BARRICADE RENTAL, INC.		6,930.00	13-MAR-17	6,930.00	Reconciled
375105		02-MAR-17	CANON FINANCIAL SERVICES, INC		9,291.83	06-MAR-17	9,291.83	Cleared
375106		02-MAR-17	CANON SOLUTIONS AMERICA, INC.		42.32	06-MAR-17	42.32	Cleared
375107		02-MAR-17	CITY OF NEWPORT BEACH		1,079.18	07-MAR-17	1,079.18	Reconciled
375108		02-MAR-17	CITY OF SANTA ANA		171.28	06-MAR-17	171.28	Cleared
375109		02-MAR-17	CITY OF TUSTIN		499.69	06-MAR-17	499.69	Cleared
375110		02-MAR-17	COMMERCE ENERGY INC		77.37	06-MAR-17	77.37	Cleared
375111		02-MAR-17	COX COMMUNICATIONS, INC.		3,467.68	07-MAR-17	3,467.68	Reconciled
375112		02-MAR-17	CR & R INCORPORATED		282.82	08-MAR-17	282.82	Reconciled
375113		02-MAR-17	DIRECTV INC		245.06	08-MAR-17	245.06	Reconciled
375114		02-MAR-17	FEDEX		234.10	07-MAR-17	234.10	Reconciled
375115		02-MAR-17	FISHER SCIENTIFIC COMPANY LLC		1,373.44	06-MAR-17	1,373.44	Cleared
375116		02-MAR-17	FRONTIER CALIFORNIA INC.		573.97	09-MAR-17	573.97	Reconciled

375117	02-MAR-17	FULLER TRUCK ACCESSORIES	3,363.20	06-MAR-17	3,363.20	Cleared
375118	02-MAR-17	GRAINGER	825.06	06-MAR-17	825.06	Cleared
375119	02-MAR-17	HAAKER EQUIPMENT COMPANY	2,475.70	07-MAR-17	2,475.70	Reconciled
375120	02-MAR-17	INDUSTRIAL METAL SUPPLY CO	143.05	07-MAR-17	143.05	Reconciled
375121	02-MAR-17	IRVINE COMMUNITY DEVELOPMENT COMPANY LLC	250.00	08-MAR-17	250.00	Reconciled
375122	02-MAR-17	IRWD-PETTY CASH CUSTODIAN	1,220.45	03-MAR-17	1,220.45	Reconciled
375123	02-MAR-17	JCI JONES CHEMICALS INC	7,964.40	08-MAR-17	7,964.40	Reconciled
375124	02-MAR-17	LENNAR HOMES	210.00	07-MAR-17	210.00	Reconciled
375125	02-MAR-17	LU'S LIGHTHOUSE, INC.	6,279.82	07-MAR-17	6,279.82	Reconciled
375126	02-MAR-17	MARVIN GARDENS LLC	2,593.70	02-MAR-17	2,593.70	Reconciled

IRWD Ledger Upgrade
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 17-APR-2017 13:16
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 3
 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								
375127		02-MAR-17	MOORE INDUSTRIES INTERNATIONAL, INC.		3,324.37	08-MAR-17	3,324.37	Reconciled
375128		02-MAR-17	MSC INDUSTRIAL SUPPLY CO		611.78	10-MAR-17	611.78	Reconciled
375129		02-MAR-17	MUTUAL PROPANE		147.42	07-MAR-17	147.42	Reconciled
375130		02-MAR-17	NEWPORT BAY CONSERVANCY		35.00	31-MAR-17	35.00	Reconciled
375131		02-MAR-17	NEWPORT WINDOW MAINTENANCE INC		2,314.00	14-MAR-17	2,314.00	Reconciled
375132		02-MAR-17	OLIN CORPORATION		2,977.84	08-MAR-17	2,977.84	Reconciled
375133		02-MAR-17	ORANGE COUNTY AUTO PARTS CO		1,497.44	06-MAR-17	1,497.44	Cleared
375134		02-MAR-17	ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT		199.90	17-MAR-17	199.90	Reconciled
375135		02-MAR-17	PERKINELMER HEALTH SCIENCES INC		849.83	13-MAR-17	849.83	Reconciled
375136		02-MAR-17	PILLSBURY WINTHROP SHAW PITTMAN LLP		416.50	06-MAR-17	416.50	Cleared
375137		02-MAR-17	PINNACLE TOWERS LLC		692.68	09-MAR-17	692.68	Reconciled
375138		02-MAR-17	RAINBOW DISPOSAL CO INC		357.36	09-MAR-17	357.36	Reconciled
375139		02-MAR-17	RAM AIR ENGINEERING INC		3,529.17	07-MAR-17	3,529.17	Reconciled
375140		02-MAR-17	REACH EMPLOYEE ASSISTANCE INC		954.80	14-MAR-17	954.80	Reconciled
375141		02-MAR-17	RED WING SHOES		155.15	07-MAR-17	155.15	Reconciled
375142		02-MAR-17	RELIANCE STANDARD LIFE INSURANCE COMPANY		25,413.41	10-MAR-17	25,413.41	Reconciled
375143		02-MAR-17	RINCON TRUCK CENTER INC.		1,118.95	06-MAR-17	1,118.95	Cleared
375144		02-MAR-17	SANTA MARGARITA FORD		365.99	06-MAR-17	365.99	Cleared
375145		02-MAR-17	SCHINDLER ELEVATOR CORPORATION		188.97	20-MAR-17	188.97	Reconciled
375146		02-MAR-17	SOUTH COAST ANSWERING SERVICE		538.99	07-MAR-17	538.99	Reconciled
375147		02-MAR-17	SOUTHERN CALIFORNIA EDISON COMPANY		11.66	06-MAR-17	11.66	Cleared

IRWD Ledger Upgrade
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 17-APR-2017 13:16
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 4
 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								
375148		02-MAR-17	SOUTHERN CALIFORNIA EDISON COMPANY		575,230.38	06-MAR-17	575,230.38	Cleared
375149		02-MAR-17	SPARKLETT'S		420.23	09-MAR-17	420.23	Reconciled
375150		02-MAR-17	TESTAMERICA LABORATORIES, INC		297.15	07-MAR-17	297.15	Reconciled
375151		02-MAR-17	THE GAS COMPANY		2,824.98	10-MAR-17	2,824.98	Reconciled
375152		02-MAR-17	TRUCPARCO		3,440.53	10-MAR-17	3,440.53	Reconciled
375153		02-MAR-17	ULINE INC		856.28	13-MAR-17	856.28	Reconciled
375154		02-MAR-17	UNITED PARCEL SERVICE INC		127.17	07-MAR-17	127.17	Reconciled

375155	02-MAR-17	VERIZON WIRELESS SERVICES LLC	5,552.14	07-MAR-17	5,552.14	Reconciled
375156	02-MAR-17	WALTERS WHOLESALE ELECTRIC	98.14	07-MAR-17	98.14	Reconciled
375157	02-MAR-17	WECK LABORATORIES INC	685.00	10-MAR-17	685.00	Reconciled
375158	02-MAR-17	WEST COAST SAND & GRAVEL INC.	3,016.11	07-MAR-17	3,016.11	Reconciled
375159	02-MAR-17	ZEE MEDICAL SERVICE CO	956.64	06-MAR-17	956.64	Cleared
375160	02-MAR-17	Cortez, Malcolm A (Malcolm)	42.27	03-MAR-17	42.27	Reconciled
375161	02-MAR-17	Dowling, James K Jr (James)	702.05	09-MAR-17	702.05	Reconciled
375162	02-MAR-17	Kanoff, Debbie G (Debbie)	445.63	03-MAR-17	445.63	Reconciled
375163	02-MAR-17	Koenig, Timothy (Tim)	1,097.24	06-MAR-17	1,097.24	Cleared
375164	02-MAR-17	Mossbarger, Anthony J (Tony)	72.14	02-MAR-17	72.14	Reconciled
375165	02-MAR-17	Oldewage, Lars D (Lars)	302.67	06-MAR-17	302.67	Cleared
375166	02-MAR-17	Spangenberg, Carl W (Carl)	134.89	06-MAR-17	134.89	Cleared
375167	02-MAR-17	Tran, Jason M (Jason)	172.00			Voided
375168	03-MAR-17	CITY OF TUSTIN	383.22	06-MAR-17	383.22	Cleared
375169	03-MAR-17	HASLER INC.	3,612.74	09-MAR-17	3,612.74	Reconciled
375170	03-MAR-17	MOULTON NIGUEL WATER DISTRICT	500.00	10-MAR-17	500.00	Reconciled
375171	03-MAR-17	SANTA ROSA NEIGHBORHOOD ASSOC	51.86	07-MAR-17	51.86	Reconciled
375172	06-MAR-17	AFLAC	203.12	10-MAR-17	203.12	Reconciled

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 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								
375173		06-MAR-17	AFLAC	1932 WYNNTON RD	6,885.92	13-MAR-17	6,885.92	Reconciled
375174		06-MAR-17	COLONIAL LIFE & ACCIDENT INSURANCE CO.	COLUMBIA	1,363.58	10-MAR-17	1,363.58	Reconciled
375175		06-MAR-17	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY	ATLANTA	168.72	10-MAR-17	168.72	Reconciled
375176		06-MAR-17	PRE-PAID LEGAL SERVICES INC	PO BOX 2629	2,319.14	14-MAR-17	2,319.14	Reconciled
375177		06-MAR-17	CLEARINGHOUSE	PHOENIX	477.67	10-MAR-17	477.67	Reconciled
375178		06-MAR-17	IRWD EMPLOYEE ASSOCIATION	15600 SC	1,330.00	08-MAR-17	1,330.00	Reconciled
375179		06-MAR-17	PERS LONG TERM CARE	PASADENA	900.58	13-MAR-17	900.58	Reconciled
375180		07-MAR-17	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA		32,872.07	14-MAR-17	32,872.07	Reconciled
375181		07-MAR-17	AVISTA TECHNOLOGIES, INC		8,365.84	13-MAR-17	8,365.84	Reconciled
375182		07-MAR-17	BANK OF NEW YORK MELLON TRUST COMPANY NA		100.00	13-MAR-17	100.00	Reconciled
375183		07-MAR-17	BIELEFELD, LIESL		24.73	07-APR-17	24.73	Reconciled
375184		07-MAR-17	BLOOMFIELD, JAMES		39.49	15-MAR-17	39.49	Reconciled
375185		07-MAR-17	BROOKFIELD RESIDENTIAL		727.19	30-MAR-17	727.19	Reconciled
375186		07-MAR-17	C L OLSON & ASSOCIATES, INC.		3,700.00	10-MAR-17	3,700.00	Reconciled
375187		07-MAR-17	CHARLES P CROWLEY COMPANY INC		495.42	17-MAR-17	495.42	Reconciled
375188		07-MAR-17	CHEN, CHIEN LIAN		23.20			Negotiable
375189		07-MAR-17	CHEUNG, RYAN		101.75	10-MAR-17	101.75	Reconciled
375190		07-MAR-17	CHINNERY, DOROTHY		89.42	15-MAR-17	89.42	Reconciled
375191		07-MAR-17	CLA-VAL COMPANY		357.48	09-MAR-17	357.48	Reconciled
375192		07-MAR-17	COLE-FARMER INSTRUMENT CO		145.91	13-MAR-17	145.91	Reconciled
375193		07-MAR-17	COOPER, JEFF		31.57	13-MAR-17	31.57	Reconciled
375194		07-MAR-17	COREPOWER YOGA		206.08	24-MAR-17	206.08	Reconciled
375195		07-MAR-17	DUNN, MIKE		222.69	17-MAR-17	222.69	Reconciled
375196		07-MAR-17	EISEL ENTERPRISES INC		1,854.65	31-MAR-17	1,854.65	Reconciled
375197		07-MAR-17	ELABRA INC		1,500.00	14-MAR-17	1,500.00	Reconciled
375198		07-MAR-17	EMPLOYEE BENEFIT SPECIALIST, INC		1,190.00	14-MAR-17	1,190.00	Reconciled
375199		07-MAR-17	FEDEX		1,041.27	13-MAR-17	1,041.27	Reconciled

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 6
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375200		07-MAR-17	FFP BURBANK LLC		1,286.07	09-MAR-17	1,286.07	Reconciled
375201		07-MAR-17	FIDELITY SECURITY LIFE INSURANCE COMPANY		6,526.39	13-MAR-17	6,526.39	Reconciled
375202		07-MAR-17	FISHER SCIENTIFIC COMPANY LLC		2,979.21	13-MAR-17	2,979.21	Reconciled
375203		07-MAR-17	FLETCHER, LAURA		12.09	14-MAR-17	12.09	Reconciled
375204		07-MAR-17	FORESTRY SUPPLIERS INC		271.88	13-MAR-17	271.88	Reconciled
375205		07-MAR-17	GALLADE CHEMICAL INC		387.90	10-MAR-17	387.90	Reconciled
375206		07-MAR-17	GANAHL LUMBER CO.		2,103.53	14-MAR-17	2,103.53	Reconciled
375207		07-MAR-17	GARCIA, KARI J		94.08	13-MAR-17	94.08	Reconciled
375208		07-MAR-17	GARZA INDUSTRIES, INC		1,292.58	10-MAR-17	1,292.58	Reconciled
375209		07-MAR-17	GEORGE YARDLEY CO., INC.		606.28	10-MAR-17	606.28	Reconciled
375210		07-MAR-17	GRAINGER		806.17	13-MAR-17	806.17	Reconciled
375211		07-MAR-17	GRAYBAR ELECTRIC COMPANY		1,569.12	13-MAR-17	1,569.12	Reconciled
375212		07-MAR-17	HACH COMPANY		2,990.06	13-MAR-17	2,990.06	Reconciled
375213		07-MAR-17	HARRINGTON INDUSTRIAL PLASTICS LLC		9,633.38	10-MAR-17	9,633.38	Reconciled
375214		07-MAR-17	HOU, WEI		18.75	23-MAR-17	18.75	Reconciled
375215		07-MAR-17	HUANG, BENSON		95.64	09-MAR-17	95.64	Reconciled
375216		07-MAR-17	IRVINE UNIFIED SCHOOL DISTRICT		531.06	14-MAR-17	531.06	Reconciled
375217		07-MAR-17	JOHN MICHAEL COVAS		191.70	16-MAR-17	191.70	Reconciled
375218		07-MAR-17	LOWE, IAN		63.63	06-APR-17	63.63	Reconciled
375219		07-MAR-17	LYNDE-ORDWAY CO., INC.		504.00	09-MAR-17	504.00	Reconciled
375220		07-MAR-17	MC MASTER CARR SUPPLY CO		4,227.48	13-MAR-17	4,227.48	Reconciled
375221		07-MAR-17	MCR TECHNOLOGIES INC		7,295.32	09-MAR-17	7,295.32	Reconciled
375222		07-MAR-17	MEASUREMENT CONTROL SYSTEMS		362.36	09-MAR-17	362.36	Reconciled
375223		07-MAR-17	MSC INDUSTRIAL SUPPLY CO		317.56	15-MAR-17	317.56	Reconciled
375224		07-MAR-17	NAPOLITANO, JAMES		4.29	13-MAR-17	4.29	Reconciled
375225		07-MAR-17	OH, BYUNG		49.56	14-MAR-17	49.56	Reconciled
375226		07-MAR-17	ONESOURCE DISTRIBUTORS LLC		82.26	13-MAR-17	82.26	Reconciled
375227		07-MAR-17	ORANGE COUNTY SHERIFF'S OFFICE		62.50	15-MAR-17	62.50	Reconciled

IRWD Ledger Upgrade

BANK: Bank of America N.A.

Bank Account Currency: USD (US Dollar)

Payment Type: All

Branch : Los Angeles

Payment Register For 01-MAR-17 To 31-MAR-17

Account: Checking AP and PR

Payment Currency: USD (US Dollar)

Display Supplier Address: No

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375228		07-MAR-17	PACIFIC COAST BOLT CORP		395.99	10-MAR-17	395.99	Reconciled
375229		07-MAR-17	PARK PLACE MICHELSON LLC		143.78	16-MAR-17	143.78	Reconciled
375230		07-MAR-17	PESE, SILI		14.14	10-MAR-17	14.14	Reconciled
375231		07-MAR-17	PRAXAIR DISTRIBUTION INC		337.47	13-MAR-17	337.47	Reconciled
375232		07-MAR-17	RANCHO SANTA FE APTS		69.94	16-MAR-17	69.94	Reconciled
375233		07-MAR-17	RODRIGUEZ, JODY		71.93	14-MAR-17	71.93	Reconciled
375234		07-MAR-17	RS HUGHES COMPANY, INC.		346.96	10-MAR-17	346.96	Reconciled
375235		07-MAR-17	SANTA MARIA APTS		423.40	16-MAR-17	423.40	Reconciled
375236		07-MAR-17	SDC TECHNOLOGIES		156.32	15-MAR-17	156.32	Reconciled
375237		07-MAR-17	SHAMROCK SUPPLY CO INC		59.33	13-MAR-17	59.33	Reconciled
375238		07-MAR-17	SONOMA APTS		30.87	16-MAR-17	30.87	Reconciled
375239		07-MAR-17	STANFORD COURT APARTMENTS		4.06	16-MAR-17	4.06	Reconciled
375240		07-MAR-17	TIC-OFFICE PROPERTIES		21.76	15-MAR-17	21.76	Reconciled
375241		07-MAR-17	TIC-OFFICE PROPERTIES		370.07	15-MAR-17	370.07	Reconciled
375242		07-MAR-17	TIC-RETAIL PROPERTIES		241.22	15-MAR-17	241.22	Reconciled
375243		07-MAR-17	TIC-SPECTRUM OFFICE		215.11	15-MAR-17	215.11	Reconciled
375244		07-MAR-17	TRIPAC MARKETING INC		321.72	10-MAR-17	321.72	Reconciled
375245		08-MAR-17	SOUTHLAND WATER	CARLSBAD	36,701.00	15-MAR-17	36,701.00	Reconciled

375246	09-MAR-17	TECHNOLOGIES LLC AIR RESOURCES BOARD	1,240.00	14-MAR-17	1,240.00	Reconciled
375247	09-MAR-17	AIR TECHNOLOGY LABORATORIES	289.00	23-MAR-17	289.00	Reconciled
375248	09-MAR-17	ALEXANDER'S CONTRACT SERVICES, INC.	113,465.79	14-MAR-17	113,465.79	Reconciled
375249	09-MAR-17	ALPHA TRAFFIC SERVICES, INC.	570.00	14-MAR-17	570.00	Reconciled
375250	09-MAR-17	ARCADIS U.S., INC.	1,983.05	15-MAR-17	1,983.05	Reconciled
375251	09-MAR-17	AT&T	4,009.10	16-MAR-17	4,009.10	Reconciled
375252	09-MAR-17	AUTOZONE PARTS, INC.	213.01	20-MAR-17	213.01	Reconciled

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375253		09-MAR-17	BANK OF NEW YORK MELLON TRUST COMPANY NA		1,586.00	14-MAR-17	1,586.00	Reconciled
375254		09-MAR-17	BILL'S SWEEPING SERVICE INC		460.00	14-MAR-17	460.00	Reconciled
375255		09-MAR-17	BLOOMBERG FINANCE LP		12,465.00	13-MAR-17	12,465.00	Reconciled
375256		09-MAR-17	BRITHINEE ELECTRIC		1,107.71	13-MAR-17	1,107.71	Reconciled
375257		09-MAR-17	CALIFORNIA BARRICADE RENTAL, INC.		15,101.39	13-MAR-17	15,101.39	Reconciled
375258		09-MAR-17	CAMBRIA APARTMENTS		2,312.35	16-MAR-17	2,312.35	Reconciled
375259		09-MAR-17	CAMERON-COLE, LLC		1,525.53	14-MAR-17	1,525.53	Reconciled
375260		09-MAR-17	CANON FINANCIAL SERVICES, INC		1,312.40	13-MAR-17	1,312.40	Reconciled
375261		09-MAR-17	CANON SOLUTIONS AMERICA, INC.		1,176.48	13-MAR-17	1,176.48	Reconciled
375262		09-MAR-17	CAPTIVE AUDIENCE MARKETING INC.		85.12	14-MAR-17	85.12	Reconciled
375263		09-MAR-17	CAROLLO ENGINEERS, INC		129,247.65	17-MAR-17	129,247.65	Reconciled
375264		09-MAR-17	CHO DESIGN ASSOCIATES, INC		9,000.00	14-MAR-17	9,000.00	Reconciled
375265		09-MAR-17	CITY CIRCUIT BREAKERS		188.56	16-MAR-17	188.56	Reconciled
375266		09-MAR-17	CITY OF ORANGE		133.83	14-MAR-17	133.83	Reconciled
375267		09-MAR-17	CLEAN ENERGY		3,339.24	20-MAR-17	3,339.24	Reconciled
375268		09-MAR-17	COMMERCIAL DOOR OF ORANGE COUNTY, INC.		285.80	15-MAR-17	285.80	Reconciled
375269		09-MAR-17	CONTROLLED KEY SYSTEMS INC		1,823.63	14-MAR-17	1,823.63	Reconciled
375270		09-MAR-17	COUNTY OF ORANGE		2,700.00	15-MAR-17	2,700.00	Reconciled
375271		09-MAR-17	CULLIGAN OF SANTA ANA		6,008.55	13-MAR-17	6,008.55	Reconciled
375272		09-MAR-17	DATA CLEAN CORPORATION		542.00	14-MAR-17	542.00	Reconciled
375273		09-MAR-17	DEE JASPAR & ASSOCIATES, INC.		109,149.30	15-MAR-17	109,149.30	Reconciled
375274		09-MAR-17	DELL MARKETING LP		38,692.49	13-MAR-17	38,692.49	Reconciled
375275		09-MAR-17	DETECTION INSTRUMENTS CORP		778.49	21-MAR-17	778.49	Reconciled
375276		09-MAR-17	DEX MEDIA INC.		77.25	16-MAR-17	77.25	Reconciled
375277		09-MAR-17	DISCOUNT COURIER SERVICE		134.94	13-MAR-17	134.94	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 9
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375278		09-MAR-17	DISCOVERY SCIENCE CENTER OF ORANGE COUNTY		13,284.60	13-MAR-17	13,284.60	Reconciled
375279		09-MAR-17	EAGLE AERIAL PHOTOGRAPHY, INC.		30,203.25	20-MAR-17	30,203.25	Reconciled
375280		09-MAR-17	EHS INTERNATIONAL, INC		1,800.00	13-MAR-17	1,800.00	Reconciled
375281		09-MAR-17	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.		13,147.50	14-MAR-17	13,147.50	Reconciled
375282		09-MAR-17	EXECUTIVE LIGHTING & ELECTRIC		3,112.53	14-MAR-17	3,112.53	Reconciled
375283		09-MAR-17	FFP BURBANK LLC		1,158.92	14-MAR-17	1,158.92	Reconciled
375284		09-MAR-17	FIRST CHOICE		1,636.42	15-MAR-17	1,636.42	Reconciled

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
375285		09-MAR-17	SERVICES FISERV		17,841.83	13-MAR-17	17,841.83	Reconciled
375286		09-MAR-17	FLEET SOLUTIONS LLC		6,267.73	14-MAR-17	6,267.73	Reconciled
375287		09-MAR-17	FORESITE ESCROW, INC.		11,125.00	14-MAR-17	11,125.00	Reconciled
375288		09-MAR-17	FRONTIER CALIFORNIA INC.		269.06	16-MAR-17	269.06	Reconciled
375289		09-MAR-17	FULLER TRUCK ACCESSORIES		7,283.90	13-MAR-17	7,283.90	Reconciled
375290		09-MAR-17	GANAHL LUMBER CO.		64.64	16-MAR-17	64.64	Reconciled
375291		09-MAR-17	GEORGE YARDLEY CO., INC.		1,224.46	13-MAR-17	1,224.46	Reconciled
375292		09-MAR-17	GM SAGER CONSTRUCTION CO, INC.		42,462.00	13-MAR-17	42,462.00	Reconciled
375293		09-MAR-17	HAAKER EQUIPMENT COMPANY		75.49	14-MAR-17	75.49	Reconciled
375294		09-MAR-17	HACH COMPANY		9,250.00	14-MAR-17	9,250.00	Reconciled
375295		09-MAR-17	HELPMATES STAFFING SERVICES		18,643.97	13-MAR-17	18,643.97	Reconciled
375296		09-MAR-17	HERC RENTALS INC.		2,837.07	15-MAR-17	2,837.07	Reconciled
375297		09-MAR-17	HOME DEPOT USA INC		1,396.92	15-MAR-17	1,396.92	Reconciled
375298		09-MAR-17	IBM CORPORATION		5,000.00	15-MAR-17	5,000.00	Reconciled
375299		09-MAR-17	INDUSTRIAL METAL SUPPLY CO		44.01	14-MAR-17	44.01	Reconciled
375300		09-MAR-17	IRON MOUNTAIN INFORMATION MANAGEMENT INC		1,653.98	13-MAR-17	1,653.98	Reconciled
375301		09-MAR-17	IRWD-PETTY CASH CUSTODIAN		1,403.18	13-MAR-17	1,403.18	Reconciled
375302		09-MAR-17	ISRANT, ANJADI		146.12	13-MAR-17	146.12	Reconciled

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375303		09-MAR-17	JAIYEN, RUDEEPORN		11.08			Negotiable
375304		09-MAR-17	JETER, MONICA		33.70	20-MAR-17	33.70	Reconciled
375305		09-MAR-17	JIG CONSULTANTS		200.00	22-MAR-17	200.00	Reconciled
375306		09-MAR-17	JOE RHODES MAINT SERVICE INC		298.68	15-MAR-17	298.68	Reconciled
375307		09-MAR-17	JOHN ROBINSON CONSULTING, INC.		26,307.00	20-MAR-17	26,307.00	Reconciled
375308		09-MAR-17	JUNG, KWANGRAK		34.76	12-APR-17	34.76	Reconciled
375309		09-MAR-17	KAZARIANS & ASSOCIATES, INC.		2,100.00	14-MAR-17	2,100.00	Reconciled
375310		09-MAR-17	KIM, CHEOL		31.51			Negotiable
375311		09-MAR-17	KLEINFELDER, INC.		519.00	15-MAR-17	519.00	Reconciled
375312		09-MAR-17	LA HABRA FENCE COMPANY INC		5,872.00	14-MAR-17	5,872.00	Reconciled
375313		09-MAR-17	LADD, ANTHONY		13.46	21-MAR-17	13.46	Reconciled
375314		09-MAR-17	LGC GEOTECHNICAL, INC.		4,897.50	13-MAR-17	4,897.50	Reconciled
375315		09-MAR-17	LIN, YI FEN		16.36			Negotiable
375316		09-MAR-17	LINE-X OF SOUTH COAST		2,860.00	13-MAR-17	2,860.00	Reconciled
375317		09-MAR-17	LUCAS, DENNIS		273.59	20-MAR-17	273.59	Reconciled
375318		09-MAR-17	MACCHIO, JOSEPH		17.64	21-MAR-17	17.64	Reconciled
375319		09-MAR-17	MALFINANCE INC		7,489.54	16-MAR-17	7,489.54	Reconciled
375320		09-MAR-17	MALLEKPAFFEY, LENORE		1.99	16-MAR-17	1.99	Reconciled
375321		09-MAR-17	MARINA LANDSCAPE MAINTENANCE, INC.		6,152.82	20-MAR-17	6,152.82	Reconciled
375322		09-MAR-17	MARVIN GARDENS LLC		903.80	09-MAR-17	903.80	Reconciled
375323		09-MAR-17	MBC APPLIED ENVIRONMENTAL SCIENCES		1,300.00	20-MAR-17	1,300.00	Reconciled
375324		09-MAR-17	MBF CONSULTING, INC.		6,609.54	20-MAR-17	6,609.54	Reconciled
375325		09-MAR-17	MC MASTER CARR SUPPLY CO		319.05	13-MAR-17	319.05	Reconciled
375326		09-MAR-17	MCBRIDE, LANCE		498.71	13-MAR-17	498.71	Reconciled
375327		09-MAR-17	MERCADO, SARAH		44.12	16-MAR-17	44.12	Reconciled
375328		09-MAR-17	MICHAEL BAKER INTERNATIONAL, INC.		7,762.58	15-MAR-17	7,762.58	Reconciled
375329		09-MAR-17	MOBILE MODULAR MANAGEMENT CORPORATION		1,018.24	13-MAR-17	1,018.24	Cleared
375330		09-MAR-17	MURALIDHAR, PRAVEEN		22.04			Negotiable

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Cleared

375376	09-MAR-17	RECYCLING CENTER SITEONE LANDSCAPE SUPPLY, LLC	213.50	14-MAR-17	213.50	Reconciled
375377	09-MAR-17	SITMATIC	2,139.94	13-MAR-17	2,139.94	Reconciled
375378	09-MAR-17	SOLARWINDS, INC	6,779.00	16-MAR-17	6,779.00	Reconciled
375379	09-MAR-17	SONG, YUHONG	432.47			Negotiable
375380	09-MAR-17	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	958.42	16-MAR-17	958.42	Reconciled
375381	09-MAR-17	SOUTHERN CALIFORNIA EDISON COMPANY	346,741.03	13-MAR-17	346,741.03	Reconciled

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375382		09-MAR-17	SOUTHERN COUNTIES LUBRICANTS LLC		2,198.95	14-MAR-17	2,198.95	Reconciled
375383		09-MAR-17	STANDARD REGISTER, INC.		2,192.07	13-MAR-17	2,192.07	Reconciled
375384		09-MAR-17	STANTEC CONSULTING SERVICES INC.		3,400.56	13-MAR-17	3,400.56	Reconciled
375385		09-MAR-17	STERILIZER TECHNICAL SPECIALISTS LLC		394.00	13-MAR-17	394.00	Reconciled
375386		09-MAR-17	STETSON ENGINEERS INC.		174.00	13-MAR-17	174.00	Reconciled
375387		09-MAR-17	STRADLING YOCCA CARLSON & RAUTH		20,000.00	13-MAR-17	20,000.00	Reconciled
375388		09-MAR-17	SUKUT CONSTRUCTION, LLC		4,865.67	13-MAR-17	4,865.67	Reconciled
375389		09-MAR-17	SUNSHINE SUPPLY COMPANY, INC.		2,734.70	13-MAR-17	2,734.70	Reconciled
375390		09-MAR-17	SUSAN A. SIROTA		8,590.00	13-MAR-17	8,590.00	Reconciled
375391		09-MAR-17	TETRA TECH, INC		59,248.98	13-MAR-17	59,248.98	Reconciled
375392		09-MAR-17	THE NEW HOME COMPANY SOUTHERN CALIFORNIA LLC		418.09	29-MAR-17	418.09	Reconciled
375393		09-MAR-17	TIAN, JIA		19.79	14-APR-17	19.79	Reconciled
375394		09-MAR-17	TRAN, THANH		38.46	17-MAR-17	38.46	Reconciled
375395		09-MAR-17	TREE OF LIFE NURSERY		1,067.91	15-MAR-17	1,067.91	Reconciled
375396		09-MAR-17	TROPICAL PLAZA NURSERY INC		54,108.69	13-MAR-17	54,108.69	Reconciled
375397		09-MAR-17	TRUCPARCO		635.71	15-MAR-17	635.71	Reconciled
375398		09-MAR-17	TU, CHIA-I		10.33	15-MAR-17	10.33	Reconciled
375399		09-MAR-17	TYCO INTEGRATED SECURITY, LLC		870.58	16-MAR-17	870.58	Reconciled
375400		09-MAR-17	U RUN LLC		1,757.09	17-MAR-17	1,757.09	Reconciled
375401		09-MAR-17	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA		1,134.00	20-MAR-17	1,134.00	Reconciled
375402		09-MAR-17	UNITED SITE SERVICES OF CALIFORNIA INC		152.29	14-MAR-17	152.29	Reconciled
375403		09-MAR-17	US BANK NAT'L ASSOC N.DAKOTA		1,800.00	14-MAR-17	1,800.00	Reconciled
375404		09-MAR-17	UTILITY SYSTEMS SCIENCE & SOFTWARE INC.		1,056.80	14-MAR-17	1,056.80	Reconciled
375405		09-MAR-17	VAN VU, TIEN		479.44	13-MAR-17	479.44	Reconciled

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375406		09-MAR-17	VERANO INVESTMENTS, LLC		66.21	13-MAR-17	66.21	Reconciled
375407		09-MAR-17	VERIZON WIRELESS SERVICES LLC		4,437.12	14-MAR-17	4,437.12	Reconciled
375408		09-MAR-17	WANG, JUNJIE		17.31	29-MAR-17	17.31	Reconciled
375409		09-MAR-17	WASTE MANAGEMENT OF ORANGE COUNTY		2,435.82	13-MAR-17	2,435.82	Reconciled
375410		09-MAR-17	WAXIE'S ENTERPRISES, INC		1,237.36	13-MAR-17	1,237.36	Reconciled
375411		09-MAR-17	WECK LABORATORIES INC		3,865.00	14-MAR-17	3,865.00	Reconciled
375412		09-MAR-17	WESTAMERICA COMMUNICATIONS, INC.		6,796.95	13-MAR-17	6,796.95	Reconciled
375413		09-MAR-17	WIRELESS		552.00	16-MAR-17	552.00	Reconciled

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
375414	09-MAR-17		WATCHDOGS, LLC					
375415	09-MAR-17		WU, DAVID		15.65	14-MAR-17	15.65	Reconciled
375416	09-MAR-17		XU, WEN		15.58	11-APR-17	15.58	Reconciled
375417	09-MAR-17		XYLEM WATER SOLUTIONS USA INC		1,115.00	15-MAR-17	1,115.00	Reconciled
375418	09-MAR-17		YP LLC		123.50	16-MAR-17	123.50	Reconciled
375419	09-MAR-17		ZHANG, YONGCHAO		16.68			Voided
375420	09-MAR-17		Bennett, Ray R (Ray)		342.42	15-MAR-17	342.42	Reconciled
375421	09-MAR-17		Bowman, Brandon (Brandon)		83.00	15-MAR-17	83.00	Reconciled
375422	09-MAR-17		Chaney, David (Dave)		83.00	14-MAR-17	83.00	Reconciled
375423	09-MAR-17		Cho, Harry K (Harry)		36.11	13-MAR-17	36.11	Reconciled
375424	09-MAR-17		Compton, Christine A		380.37	13-MAR-17	380.37	Reconciled
375425	09-MAR-17		Dillman, Tyler		158.00	15-MAR-17	158.00	Reconciled
375426	09-MAR-17		Donnelly, Stephen P (Stephen)		45.69	22-MAR-17	45.69	Reconciled
375427	09-MAR-17		Drake, Kenneth W (Ken)		59.63	13-MAR-17	59.63	Reconciled
375428	09-MAR-17		Ellison, Kristopher		340.00			Negotiable
375429	09-MAR-17		Fehser, Noah (Noah)		80.00	09-MAR-17	80.00	Reconciled
375430	09-MAR-17		Fites, Michael E (Michael)		170.00	14-MAR-17	170.00	Reconciled
375430	09-MAR-17		Gallegos, Richard (Richard)		98.00	13-MAR-17	98.00	Reconciled

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375431	09-MAR-17		Guzman, Juan (Juan)		66.79	20-MAR-17	66.79	Reconciled
375432	09-MAR-17		Hayden, David M (Dave)		175.00	22-MAR-17	175.00	Reconciled
375433	09-MAR-17		Hayes, John H (John)		30.31	27-MAR-17	30.31	Reconciled
375434	09-MAR-17		Hoffman, Michael S (Mike)		109.83			Negotiable
375435	09-MAR-17		Kulick, Michael		60.00	13-MAR-17	60.00	Reconciled
375436	09-MAR-17		Lao, Richard S		1,298.48	17-MAR-17	1,298.48	Reconciled
375437	09-MAR-17		Lynch, Toni Marie		35.00	09-MAR-17	35.00	Reconciled
375438	09-MAR-17		Malloy, Steven L (Steven)		35.00	16-MAR-17	35.00	Reconciled
375439	09-MAR-17		Marcacci, Mark		35.00	14-MAR-17	35.00	Reconciled
375440	09-MAR-17		Mori, Richard K (Rich)		10.00	20-MAR-17	10.00	Reconciled
375441	09-MAR-17		Nash, Joel		44.94	20-MAR-17	44.94	Reconciled
375442	09-MAR-17		Nicholson, Darin		230.00	14-MAR-17	230.00	Reconciled
375443	09-MAR-17		Orozco, Linda		225.00	15-MAR-17	225.00	Reconciled
375444	09-MAR-17		Pan, Jenny W (Jenny)		196.55	20-MAR-17	196.55	Reconciled
375445	09-MAR-17		Sanchez, George (George)		120.00	15-MAR-17	120.00	Reconciled
375446	09-MAR-17		Tobar, Javier M (Javier)		41.73	10-MAR-17	41.73	Reconciled
375447	09-MAR-17		Valencia, Reynaldo (Rey)		70.00	28-MAR-17	70.00	Reconciled
375448	09-MAR-17		Van Deusen, Scott A (Scott)		120.00	13-MAR-17	120.00	Reconciled
375449	14-MAR-17		A&A WIPING CLOTH CO		1,133.53	17-MAR-17	1,133.53	Reconciled
375450	14-MAR-17		ABC ICEHOUSE, INC.		146.20	17-MAR-17	146.20	Reconciled
375451	14-MAR-17		ACCUSOURCE, INC.		378.00	22-MAR-17	378.00	Reconciled
375452	14-MAR-17		ADVANCED AQUATIC TECHNOLOGY, INC.		941.58	17-MAR-17	941.58	Reconciled
375453	14-MAR-17		ALEXANDER'S CONTRACT SERVICES, INC.		125.00	17-MAR-17	125.00	Reconciled
375454	14-MAR-17		ANTHEM BLUE CROSS		281.97	20-MAR-17	281.97	Reconciled
375455	14-MAR-17		ANTHEM BLUE CROSS		208.43	20-MAR-17	208.43	Reconciled
375456	14-MAR-17		ANTHEM BLUE CROSS		546.33	20-MAR-17	546.33	Reconciled
375457	14-MAR-17		ANTHEM BLUE CROSS		546.33	20-MAR-17	546.33	Reconciled
375458	14-MAR-17		ANTHONY N. LARSEN		400.00	21-MAR-17	400.00	Reconciled
375459	14-MAR-17		ARIZONA INSTRUMENT LLC		1,100.25	20-MAR-17	1,100.25	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 16
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

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

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
375460	14-MAR-17	14-MAR-17	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA		65,498.92	21-MAR-17	65,498.92	Reconciled
375461	14-MAR-17	14-MAR-17	AT&T		48.57	21-MAR-17	48.57	Reconciled
375462	14-MAR-17	14-MAR-17	AUTOZONE PARTS, INC.		376.26	22-MAR-17	376.26	Reconciled
375463	14-MAR-17	14-MAR-17	AVISTA TECHNOLOGIES, INC		7,933.44	20-MAR-17	7,933.44	Reconciled
375464	14-MAR-17	14-MAR-17	BAE, YOUNG SAHM		46.05	22-MAR-17	46.05	Reconciled
375465	14-MAR-17	14-MAR-17	BATTERY SPECIALTIES		1,031.49	23-MAR-17	1,031.49	Reconciled
375466	14-MAR-17	14-MAR-17	BIOMAGIC INC		16,092.82	16-MAR-17	16,092.82	Reconciled
375467	14-MAR-17	14-MAR-17	BORCHARD SURVEYING & MAPPING, INC.		3,000.00	16-MAR-17	3,000.00	Reconciled
375468	14-MAR-17	14-MAR-17	BURKE, WILLIAMS & SORENSEN, LLP		3,279.00			Negotiable
375469	14-MAR-17	14-MAR-17	C WELLS PIPELINE MATERIALS INC		130,623.22	22-MAR-17	130,623.22	Reconciled
375470	14-MAR-17	14-MAR-17	CAEPIPING INC		4,500.00	24-MAR-17	4,500.00	Reconciled
375471	14-MAR-17	14-MAR-17	CALIBRATE, INC.		2,332.37	20-MAR-17	2,332.37	Reconciled
375472	14-MAR-17	14-MAR-17	CALIFORNIA BARRICADE RENTAL, INC.		3,411.88	16-MAR-17	3,411.88	Reconciled
375473	14-MAR-17	14-MAR-17	CALIFORNIA GATE AND ENTRY SYSTEMS		105.00	20-MAR-17	105.00	Reconciled
375474	14-MAR-17	14-MAR-17	CDW GOVERNMENT LLC		1,947.16	20-MAR-17	1,947.16	Reconciled
375475	14-MAR-17	14-MAR-17	CHEM TECH INTERNATIONAL INC		15,589.02	22-MAR-17	15,589.02	Reconciled
375476	14-MAR-17	14-MAR-17	CLARKE MOSQUITO CONTROL PRODUCTS, INC.		10,594.08	20-MAR-17	10,594.08	Reconciled
375477	14-MAR-17	14-MAR-17	CLEAN ENERGY		3,224.83	21-MAR-17	3,224.83	Reconciled
375478	14-MAR-17	14-MAR-17	COAST PLUMBING HEATING AND AIR, INC		939.70	16-MAR-17	939.70	Reconciled
375479	14-MAR-17	14-MAR-17	COASTLINE EQUIPMENT COMPANY		368.91	17-MAR-17	368.91	Reconciled
375480	14-MAR-17	14-MAR-17	CULLIGAN OF SANTA ANA		7,019.10	20-MAR-17	7,019.10	Reconciled
375481	14-MAR-17	14-MAR-17	DCSE, INC.		5,760.00	16-MAR-17	5,760.00	Reconciled
375482	14-MAR-17	14-MAR-17	EAGLE PRINT DYNAMICS		1,951.63	17-MAR-17	1,951.63	Reconciled
375483	14-MAR-17	14-MAR-17	ELITE EQUIPMENT, INC.		23.71	17-MAR-17	23.71	Reconciled
375484	14-MAR-17	14-MAR-17	EMEDCO		1,253.07	20-MAR-17	1,253.07	Reconciled
375485	14-MAR-17	14-MAR-17	EVANS-HYDRO INC		9,979.17	22-MAR-17	9,979.17	Reconciled

IRWD Ledger Upgrade

BANK: Bank of America N.A.

Bank Account Currency: USD (US Dollar)

Payment Type: All

Branch : Los Angeles

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375486	14-MAR-17	14-MAR-17	EXECUTIVE LIGHTING & ELECTRIC		1,482.95	17-MAR-17	1,482.95	Reconciled
375487	14-MAR-17	14-MAR-17	FALCONER, ROBERT		19.64	20-MAR-17	19.64	Reconciled
375488	14-MAR-17	14-MAR-17	FEDEX		137.42	20-MAR-17	137.42	Reconciled
375489	14-MAR-17	14-MAR-17	FIRST CHOICE SERVICES		1,251.26	17-MAR-17	1,251.26	Reconciled
375490	14-MAR-17	14-MAR-17	FISHER SCIENTIFIC COMPANY LLC		13,024.95	20-MAR-17	13,024.95	Reconciled
375491	14-MAR-17	14-MAR-17	FLEET SOLUTIONS LLC		4,664.50	17-MAR-17	4,664.50	Reconciled
375492	14-MAR-17	14-MAR-17	FLUID COMPONENTS INTERNATIONAL L.L.C.		9,699.34	20-MAR-17	9,699.34	Reconciled
375493	14-MAR-17	14-MAR-17	FLW, INC.		5,462.16	17-MAR-17	5,462.16	Reconciled
375494	14-MAR-17	14-MAR-17	FRANTZ, WILLIAM		9.09	20-MAR-17	9.09	Reconciled
375495	14-MAR-17	14-MAR-17	FRONTIER CALIFORNIA INC.		50.94	21-MAR-17	50.94	Reconciled
375496	14-MAR-17	14-MAR-17	FULLER TRUCK ACCESSORIES		1,217.58			Negotiable
375497	14-MAR-17	14-MAR-17	GANAHL LUMBER CO.		37.11	22-MAR-17	37.11	Reconciled
375498	14-MAR-17	14-MAR-17	GEORGE HILLS COMPANY, INC.		382.50	22-MAR-17	382.50	Reconciled
375499	14-MAR-17	14-MAR-17	GLADWELL GOVERNMENTAL SERVICES, INC.		250.00	17-MAR-17	250.00	Reconciled
375500	14-MAR-17	14-MAR-17	GRAINGER		9,146.43	20-MAR-17	9,146.43	Reconciled
375501	14-MAR-17	14-MAR-17	GRAYBAR ELECTRIC COMPANY		6,368.10	20-MAR-17	6,368.10	Reconciled
375502	14-MAR-17	14-MAR-17	HAAKER EQUIPMENT COMPANY		6,977.55	17-MAR-17	6,977.55	Reconciled
375503	14-MAR-17	14-MAR-17	HACH COMPANY		1,919.30	20-MAR-17	1,919.30	Reconciled
375504	14-MAR-17	14-MAR-17	HARRINGTON INDUSTRIAL PLASTICS LLC		6,034.43	17-MAR-17	6,034.43	Reconciled
375505	14-MAR-17	14-MAR-17	HASLER INC.		3,595.79	23-MAR-17	3,595.79	Reconciled
375506	14-MAR-17	14-MAR-17	HELP/SYSTEMS, LLC		3,500.00	20-MAR-17	3,500.00	Reconciled

375507	14-MAR-17	HELPMATES STAFFING SERVICES	3,586.56	16-MAR-17	3,586.56	Reconciled
375508	14-MAR-17	HILL BROTHERS CHEMICAL COMPANY	10,243.81	21-MAR-17	10,243.81	Reconciled
375509	14-MAR-17	HOME DEPOT USA INC	903.50	21-MAR-17	903.50	Reconciled
375510	14-MAR-17	HOUSER, MARIA	11.74	20-MAR-17	11.74	Reconciled
375511	14-MAR-17	INDUSTRIAL METAL SUPPLY CO	217.64	20-MAR-17	217.64	Reconciled

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

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375512		14-MAR-17	INDUSTRIAL NETWORKING SOLUTIONS		1,487.47	20-MAR-17	1,487.47	Reconciled
375513		14-MAR-17	INFOSYS LIMITED		28,220.00	20-MAR-17	28,220.00	Reconciled
375514		14-MAR-17	INORGANIC VENTURES INC		400.65	21-MAR-17	400.65	Reconciled
375515		14-MAR-17	IRVINE PIPE & SUPPLY INC		7,798.68	16-MAR-17	7,798.68	Reconciled
375516		14-MAR-17	KAYUGA SOLUTION INC		17,490.00	17-MAR-17	17,490.00	Reconciled
375517		14-MAR-17	KAZARIANS & ASSOCIATES, INC.		4,600.00	23-MAR-17	4,600.00	Reconciled
375518		14-MAR-17	KIMBALL MIDWEST		1,237.50	20-MAR-17	1,237.50	Reconciled
375519		14-MAR-17	KIRALY, KRISTIAN		105.29	03-APR-17	105.29	Reconciled
375520		14-MAR-17	KOELLER NEBEKER CARLSON & HALUCK, LLP		1,122.60	16-MAR-17	1,122.60	Reconciled
375521		14-MAR-17	KPMG LLP		320,745.00	22-MAR-17	320,745.00	Reconciled
375522		14-MAR-17	LAGUNA BEACH COUNTY WATER DISTRICT		7,012.49	20-MAR-17	7,012.49	Reconciled
375523		14-MAR-17	LANDCARE HOLDINGS, INC.		56,240.86	20-MAR-17	56,240.86	Reconciled
375524		14-MAR-17	LANDCARE HOLDINGS, INC.		8,698.19	27-MAR-17	8,698.19	Reconciled
375525		14-MAR-17	LCS TECHNOLOGIES, INC.		17,955.00	20-MAR-17	17,955.00	Reconciled
375526		14-MAR-17	LOWE, NICHOLAS		123.82	10-APR-17	123.82	Reconciled
375527		14-MAR-17	LU, YAN		666.28			Negotiable
375528		14-MAR-17	LUBRICATION ENGINEERS, INC.		4,900.34	20-MAR-17	4,900.34	Reconciled
375529		14-MAR-17	MACKAY, JOHN		624.04	24-MAR-17	624.04	Reconciled
375530		14-MAR-17	MARINA LANDSCAPE MAINTENANCE, INC.		976.75	21-MAR-17	976.75	Reconciled
375531		14-MAR-17	MC FADDEN-DALE INDUSTRIAL		567.63	17-MAR-17	567.63	Reconciled
375532		14-MAR-17	MC MASTER CARR SUPPLY CO		438.93	20-MAR-17	438.93	Reconciled
375533		14-MAR-17	MCMURRAY STERN, INC.		54.22	17-MAR-17	54.22	Reconciled
375534		14-MAR-17	MR CRANE INC		1,749.00	17-MAR-17	1,749.00	Reconciled
375535		14-MAR-17	MSC INDUSTRIAL SUPPLY CO		154.89	21-MAR-17	154.89	Reconciled
375536		14-MAR-17	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		12,391.20	16-MAR-17	12,391.20	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 19
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375537		14-MAR-17	NATIONAL READY MIXED CONCRETE CO.		4,888.94	17-MAR-17	4,888.94	Reconciled
375538		14-MAR-17	NOVACOAST INC		350.00	20-MAR-17	350.00	Reconciled
375539		14-MAR-17	OC WELDING SERVICES		4,000.08	17-MAR-17	4,000.08	Reconciled
375540		14-MAR-17	OLIN CORPORATION		17,750.52	20-MAR-17	17,750.52	Reconciled
375541		14-MAR-17	ONESOURCE DISTRIBUTORS LLC		5,565.97	20-MAR-17	5,565.97	Reconciled
375542		14-MAR-17	ONSET COMPUTER CORPORATION		10,745.00	20-MAR-17	10,745.00	Reconciled
375543		14-MAR-17	ORACLE AMERICA, INC.		220,854.56	20-MAR-17	220,854.56	Reconciled
375544		14-MAR-17	ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT		2,514.88	30-MAR-17	2,514.88	Reconciled
375545		14-MAR-17	OUTSOURCE TECHNICAL LLC		22,778.00	16-MAR-17	22,778.00	Cleared
375546		14-MAR-17	PARKHOUSE TIRE INC		2,006.84	17-MAR-17	2,006.84	Reconciled

375547	14-MAR-17	PAULUS ENGINEERING, INC.	5,300.00	20-MAR-17	5,300.00	Reconciled
375548	14-MAR-17	PELLETIER & ASSOCIATES, INC.	1,125.00	17-MAR-17	1,125.00	Reconciled
375549	14-MAR-17	PHILLIPS PLYWOOD CO, INC.	1,198.00	24-MAR-17	1,198.00	Reconciled
375550	14-MAR-17	PIVOT INTERIORS INC	648.31	17-MAR-17	648.31	Reconciled
375551	14-MAR-17	PRUDENTIAL OVERALL SUPPLY	283.19	17-MAR-17	283.19	Reconciled
375552	14-MAR-17	QWEST ENGINEERING	434.23	16-MAR-17	434.23	Reconciled
375553	14-MAR-17	RAM AIR ENGINEERING INC	15,952.50	16-MAR-17	15,952.50	Reconciled
375554	14-MAR-17	RANCHO MONTEREY APTS	12.05	22-MAR-17	12.05	Reconciled
375555	14-MAR-17	RESPONSE ENVELOPE, INC	37.71	27-MAR-17	37.71	Reconciled
375556	14-MAR-17	RICHARD C. SLADE & ASSOCIATES LLC	2,691.67	03-APR-17	2,691.67	Reconciled
375557	14-MAR-17	RINGCLEAR LLC	125.16	20-MAR-17	125.16	Reconciled
375558	14-MAR-17	SANTA ANA BLUE PRINT	311.26	16-MAR-17	311.26	Reconciled
375559	14-MAR-17	SANTA MARGARITA FORD	528.00	17-MAR-17	528.00	Reconciled
375560	14-MAR-17	SCHWEITZER ENGINEERING LABORATORIES, INC.	2,047.25	20-MAR-17	2,047.25	Reconciled

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

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375561		14-MAR-17	SEALS WEST PACKING CO.		3,120.01	20-MAR-17	3,120.01	Reconciled
375562		14-MAR-17	SHAMROCK SUPPLY CO INC		320.79	20-MAR-17	320.79	Reconciled
375563		14-MAR-17	SHERWIN WILLIAMS COMPANY		1,492.48	17-MAR-17	1,492.48	Reconciled
375564		14-MAR-17	SIGMA-ALDRICH INC		58.43	20-MAR-17	58.43	Reconciled
375565		14-MAR-17	SOUTH COAST WATER CO.		151.66	21-MAR-17	151.66	Reconciled
375566		14-MAR-17	SOUTHERN CALIFORNIA EDISON COMPANY		23,740.53	17-MAR-17	23,740.53	Reconciled
375567		14-MAR-17	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.		1,043.08	23-MAR-17	1,043.08	Reconciled
375568		14-MAR-17	SOUTHERN COUNTIES LUBRICANTS LLC		3,696.04	20-MAR-17	3,696.04	Reconciled
375569		14-MAR-17	SPARLING		560.32	20-MAR-17	560.32	Reconciled
375570		14-MAR-17	STANTEC CONSULTING SERVICES INC.		11,027.00	20-MAR-17	11,027.00	Reconciled
375571		14-MAR-17	SUMMIT CHEMICAL SPECIALTY PRODUCTS		10,354.10	30-MAR-17	10,354.10	Reconciled
375572		14-MAR-17	SUN-STAR ELECTRIC, INC.		263.00	21-MAR-17	263.00	Reconciled
375573		14-MAR-17	SWAINS ELECTRIC MOTOR SERVICE		10,347.49	22-MAR-17	10,347.49	Reconciled
375574		14-MAR-17	TAIT ENVIRONMENTAL SERVICES INC		995.00	21-MAR-17	995.00	Reconciled
375575		14-MAR-17	TEKDRAULICS		39,055.34	16-MAR-17	39,055.34	Reconciled
375576		14-MAR-17	TESTAMERICA LABORATORIES, INC		2,543.00	20-MAR-17	2,543.00	Reconciled
375577		14-MAR-17	THE GAS COMPANY		1,278.77	22-MAR-17	1,278.77	Reconciled
375578		14-MAR-17	THE PARKLANDS		181.38	22-MAR-17	181.38	Reconciled
375579		14-MAR-17	THOMPSON		1,405.37	17-MAR-17	1,405.37	Reconciled
375580		14-MAR-17	INDUSTRIAL SUPPLY THYSENKRUPP ELEVATOR CORPORATION		185.84	20-MAR-17	185.84	Reconciled
375581		14-MAR-17	TIC-RETAIL PROPERTIES		5.44	20-MAR-17	5.44	Reconciled
375582		14-MAR-17	TOLL BROS., INC.		758.96	10-APR-17	758.96	Reconciled
375583		14-MAR-17	TROPICAL PLAZA NURSERY INC		4,098.00	17-MAR-17	4,098.00	Reconciled
375584		14-MAR-17	TRUCPARCO		1,395.60	23-MAR-17	1,395.60	Reconciled

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

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

375585	14-MAR-17	ULTRA SCIENTIFIC	656.61	21-MAR-17	656.61	Reconciled
375586	14-MAR-17	UNITED SITE SERVICES OF CALIFORNIA INC	478.06	21-MAR-17	478.06	Reconciled
375587	14-MAR-17	USA PORTOLA PROP LLC	987.16	20-MAR-17	987.16	Reconciled
375588	14-MAR-17	VIDEO APPLICATIONS	112.05	21-MAR-17	112.05	Reconciled
375589	14-MAR-17	VWR INTERNATIONAL, LLC	1,209.06	20-MAR-17	1,209.06	Reconciled
375590	14-MAR-17	WACO FILTERS CORPORATION	5,536.22	20-MAR-17	5,536.22	Reconciled
375591	14-MAR-17	WALTERS WHOLESALE ELECTRIC	1,450.85	17-MAR-17	1,450.85	Reconciled
375592	14-MAR-17	WASTE MANAGEMENT OF ORANGE COUNTY	2,034.32	20-MAR-17	2,034.32	Reconciled
375593	14-MAR-17	WATER SYSTEMS OPTIMIZATION, INC.	935.00	21-MAR-17	935.00	Reconciled
375594	14-MAR-17	WAXIE'S ENTERPRISES, INC	2,929.67	17-MAR-17	2,929.67	Reconciled
375595	14-MAR-17	WEST COAST SAND & GRAVEL INC.	2,035.20	17-MAR-17	2,035.20	Reconciled
375596	14-MAR-17	WESTERN AV	14,350.45	17-MAR-17	14,350.45	Reconciled
375597	14-MAR-17	WESTERN EXTERMINATOR COMPANY	655.50	22-MAR-17	655.50	Reconciled
375598	14-MAR-17	YORKE ENGINEERING LLC	825.00	22-MAR-17	825.00	Reconciled
375599	15-MAR-17	AQUA-METRIC SALES COMPANY	33,251.71	21-MAR-17	33,251.71	Reconciled
375600	15-MAR-17	BATTERIES PLUS AND BATTERIES PLUS BULBS	244.96	22-MAR-17	244.96	Reconciled
375601	15-MAR-17	BATTERIES PLUS AND BATTERIES PLUS BULBS	2,106.94	17-MAR-17	2,106.94	Reconciled
375602	15-MAR-17	BOWIE, ARNESON, WILES & GIANNONE	11,418.33	27-MAR-17	11,418.33	Reconciled
375603	15-MAR-17	BRITHINEE ELECTRIC	11,408.65	20-MAR-17	11,408.65	Reconciled
375604	15-MAR-17	BUSH & ASSOCIATES INC	8,992.00	06-APR-17	8,992.00	Reconciled
375605	15-MAR-17	CALIFORNIA BARRICADE RENTAL, INC.	5,290.00	16-MAR-17	5,290.00	Reconciled
375606	15-MAR-17	CHOO, DANIEL	587.11	20-MAR-17	587.11	Reconciled
375607	15-MAR-17	CLEARINGHOUSE	477.67	20-MAR-17	477.67	Reconciled

IRWD Ledger Upgrade
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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375608		15-MAR-17	CR & R INCORPORATED		282.82	20-MAR-17	282.82	Reconciled
375609		15-MAR-17	DAVID WILSON'S FORD OF ORANGE		24,778.09	27-MAR-17	24,778.09	Reconciled
375610		15-MAR-17	DELL MARKETING LP		19,049.50	20-MAR-17	19,049.50	Reconciled
375611		15-MAR-17	ENVIRONMENTAL RESOURCE CENTER INC		4,251.16	23-MAR-17	4,251.16	Reconciled
375612		15-MAR-17	EXECUTIVE LIGHTING & ELECTRIC		1,695.18	17-MAR-17	1,695.18	Reconciled
375613		15-MAR-17	FEDEX NATIONAL LTL, INC		1,151.76	20-MAR-17	1,151.76	Reconciled
375614		15-MAR-17	FERGUSON ENTERPRISES, INC.		1,525.74	20-MAR-17	1,525.74	Reconciled
375615		15-MAR-17	GARZA INDUSTRIES, INC		1,292.58	17-MAR-17	1,292.58	Reconciled
375616		15-MAR-17	GEIGER BROS		1,257.43	20-MAR-17	1,257.43	Reconciled
375617		15-MAR-17	GRAINGER		3,387.64	20-MAR-17	3,387.64	Reconciled
375618		15-MAR-17	GRAYBAR ELECTRIC COMPANY		1,642.58	20-MAR-17	1,642.58	Reconciled
375619		15-MAR-17	HACH COMPANY		1,116.70	20-MAR-17	1,116.70	Reconciled
375620		15-MAR-17	HARMSWORTH ASSOCIATES		2,540.00	17-MAR-17	2,540.00	Reconciled
375621		15-MAR-17	HELFMATES STAFFING SERVICES		1,384.02	16-MAR-17	1,384.02	Reconciled
375622		15-MAR-17	HILL BROTHERS CHEMICAL COMPANY		2,875.70	21-MAR-17	2,875.70	Reconciled
375623		15-MAR-17	HUNSAKER & ASSOCIATES IRVINE		1,120.00	17-MAR-17	1,120.00	Reconciled
375624		15-MAR-17	INDUSTRIAL SHOE CO		4,100.83	20-MAR-17	4,100.83	Reconciled
375625		15-MAR-17	IRWD EMPLOYEE ASSOCIATION		1,330.00	07-APR-17	1,330.00	Reconciled
375626		15-MAR-17	L. G. SUPPLY COMPANY		8,792.41	31-MAR-17	8,792.41	Reconciled
375627		15-MAR-17	LU'S LIGHTHOUSE, INC.		1,066.72	23-MAR-17	1,066.72	Reconciled
375628		15-MAR-17	MADSEN, KNEPPERS & ASSOCIATES, INC.		385.00	17-MAR-17	385.00	Reconciled
375629		15-MAR-17	MC MASTER CARR		553.07	20-MAR-17	553.07	Reconciled

375630	15-MAR-17	SUPPLY CO		980.00			Negotiable
375631	15-MAR-17	MONTBURY HOA		45.00	17-MAR-17	45.00	Reconciled
375632	15-MAR-17	MUTUAL PROPANE		522.96	20-MAR-17	522.96	Reconciled
		NEWAGE INDUSTRIES INC					
375633	15-MAR-17	OLSON, HAGEL & FISHBURN, LLP		889.50	20-MAR-17	889.50	Reconciled

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

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 Display Supplier Address: No

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375634		15-MAR-17	OMEGA INDUSTRIAL SUPPLY, INC.		367.54	17-MAR-17	367.54	Reconciled
375635		15-MAR-17	ON CALL EVENT RENTALS		694.50	16-MAR-17	694.50	Reconciled
375636		15-MAR-17	ORANGE COUNTY AUTO PARTS CO		247.30	16-MAR-17	247.30	Reconciled
375637		15-MAR-17	ORANGE COUNTY SHERIFF'S OFFICE		62.50	21-MAR-17	62.50	Reconciled
375638		15-MAR-17	ORANGE COUNTY WATER DISTRICT		3,820.80	16-MAR-17	3,820.80	Reconciled
375639		15-MAR-17	PERS LONG TERM CARE		900.58	17-MAR-17	900.58	Reconciled
375640		15-MAR-17	PRAXAIR DISTRIBUTION INC		223.71	20-MAR-17	223.71	Reconciled
375641		15-MAR-17	RAINBOW DISPOSAL CO INC		362.72	21-MAR-17	362.72	Reconciled
375642		15-MAR-17	RED WING SHOES		458.44	20-MAR-17	458.44	Reconciled
375643		15-MAR-17	RED WING SHOES		498.62	17-MAR-17	498.62	Reconciled
375644		15-MAR-17	RED WING SHOES		2,331.34	16-MAR-17	2,331.34	Reconciled
375645		15-MAR-17	RELIANCE SAFETY CONSULTANTS, INC.		7,288.32	21-MAR-17	7,288.32	Reconciled
375646		15-MAR-17	RINCON TRUCK CENTER INC.		406.92	16-MAR-17	406.92	Reconciled
375647		15-MAR-17	SANTA MARGARITA FORD		1,118.66	17-MAR-17	1,118.66	Reconciled
375648		15-MAR-17	SANTIAGO AQUEDUCT COMMISSION		100,821.20	16-MAR-17	100,821.20	Reconciled
375649		15-MAR-17	SEPARATION PROCESSES INC		788.75	21-MAR-17	788.75	Reconciled
375650		15-MAR-17	SHAMROCK SUPPLY CO INC		2,124.75	20-MAR-17	2,124.75	Reconciled
375651		15-MAR-17	SHOETERIA		7,528.60	20-MAR-17	7,528.60	Reconciled
375652		15-MAR-17	SOUTH COAST WATER CO.		151.66	21-MAR-17	151.66	Reconciled
375653		15-MAR-17	SPARKLETTS		245.03	21-MAR-17	245.03	Reconciled
375654		15-MAR-17	STANTEC CONSULTING SERVICES INC.		13,465.00	20-MAR-17	13,465.00	Reconciled
375655		15-MAR-17	TESTAMERICA LABORATORIES, INC		89.25	20-MAR-17	89.25	Reconciled
375656		15-MAR-17	TRUCPARCO		317.30	23-MAR-17	317.30	Reconciled
375657		15-MAR-17	TUTTLE-CLICK FORD LINCOLN		299,628.24	22-MAR-17	299,628.24	Reconciled
375658		15-MAR-17	VRIDE INC		11,685.00	20-MAR-17	11,685.00	Reconciled
375659		15-MAR-17	Tran, Jason M (Jason)	HOME	172.00	17-MAR-17	172.00	Reconciled

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

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375660		16-MAR-17	A STITCH ON TIME.COM		2,510.81	22-MAR-17	2,510.81	Reconciled
375661		16-MAR-17	AGILENT TECHNOLOGIES, INC.		1,918.81	20-MAR-17	1,918.81	Reconciled
375662		16-MAR-17	AIRGAS, INC.		5,183.58	20-MAR-17	5,183.58	Reconciled
375663		16-MAR-17	ARB INC.		944.70	21-MAR-17	944.70	Reconciled
375664		16-MAR-17	BAY AREA TRENCHERS, INC.		121.01	20-MAR-17	121.01	Reconciled
375665		16-MAR-17	BEHRENS AND ASSOCIATES, INC.		2,262.75	21-MAR-17	2,262.75	Reconciled
375666		16-MAR-17	BIGWIG MONSTER, LLC		9,000.00	24-MAR-17	9,000.00	Reconciled
375667		16-MAR-17	BORCHARD SURVEYING & MAPPING, INC.		1,940.00	23-MAR-17	1,940.00	Reconciled
375668		16-MAR-17	CALIFORNIA BARRICADE RENTAL, INC.		4,901.16	22-MAR-17	4,901.16	Reconciled
375669		16-MAR-17	CERVANTES, YADIRA		27.67	21-MAR-17	27.67	Reconciled
375670		16-MAR-17	CHEN, CHEN		36.97			Negotiable
375671		16-MAR-17	CITY OF IRVINE		608.00	20-MAR-17	608.00	Reconciled
375672		16-MAR-17	CITY SERVICE		990.90	22-MAR-17	990.90	Reconciled

375673	16-MAR-17	CONTRACTING INC	2,215.52	17-MAR-17	2,215.52	Reconciled
375674	16-MAR-17	CLA-VAL COMPANY	1,338.75	20-MAR-17	1,338.75	Reconciled
375675	16-MAR-17	CNC ENGINEERING	92.00	21-MAR-17	92.00	Reconciled
375676	16-MAR-17	CONTROLLED KEY SYSTEMS INC	9,473.41	21-MAR-17	9,473.41	Reconciled
375677	16-MAR-17	D & G SIGNS	969.75	20-MAR-17	969.75	Reconciled
375678	16-MAR-17	DANGELO CO	1,272.06	31-MAR-17	1,272.06	Reconciled
375679	16-MAR-17	DEE JASPAR & ASSOCIATES, INC.	17,756.93	21-MAR-17	17,756.93	Reconciled
375680	16-MAR-17	DMS FACILITY SERVICES, INC.	206.80	20-MAR-17	206.80	Reconciled
375681	16-MAR-17	DREYFUSS, LAWRENCE	886.46	20-MAR-17	886.46	Reconciled
375682	16-MAR-17	DRIVER URBAN	5,400.00	21-MAR-17	5,400.00	Reconciled
375683	16-MAR-17	EHS	202,650.00	20-MAR-17	202,650.00	Reconciled
375684	16-MAR-17	INTERNATIONAL, INC	620.00	21-MAR-17	620.00	Reconciled
375685	16-MAR-17	ELECTRONIC RESTORATION SERVICES, INC.	691.06	17-MAR-17	691.06	Reconciled
375686	16-MAR-17	ENVIRONMENTAL SCIENCE ASSOCIATES	667.67	21-MAR-17	667.67	Reconciled
		FARRELL & ASSOCIATES				
		FEDEX NATIONAL LTL, INC				

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 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375687		16-MAR-17	FISHER SCIENTIFIC COMPANY LLC		908.14	20-MAR-17	908.14	Reconciled
375688		16-MAR-17	FOOTHILL BUSINESS ASSN		1,756.19			Negotiable
375689		16-MAR-17	GANAHL LUMBER CO.		141.58	24-MAR-17	141.58	Reconciled
375690		16-MAR-17	GUPTA, MEGHA		32.91	03-APR-17	32.91	Reconciled
375691		16-MAR-17	HACH COMPANY		638.51	20-MAR-17	638.51	Reconciled
375692		16-MAR-17	HILL BROTHERS CHEMICAL COMPANY		10,845.06	21-MAR-17	10,845.06	Reconciled
375693		16-MAR-17	HOME DEPOT USA INC		142.01			Negotiable
375694		16-MAR-17	HUANG, PIN-PIN		84.58	20-MAR-17	84.58	Reconciled
375695		16-MAR-17	IRVINE COMPANY		1,457.57	21-MAR-17	1,457.57	Reconciled
375696		16-MAR-17	IRVINE UNIFIED SCHOOL DISTRICT		3,301.09	22-MAR-17	3,301.09	Reconciled
375697		16-MAR-17	JHUNJHUNWALA, SURESH		8.41	24-MAR-17	8.41	Reconciled
375698		16-MAR-17	JOHN ROBINSON CONSULTING, INC.		22,752.00	31-MAR-17	22,752.00	Reconciled
375699		16-MAR-17	KANA PIPELINE INC		906.68	28-MAR-17	906.68	Reconciled
375700		16-MAR-17	KANE, MICHAEL		46.21	27-MAR-17	46.21	Reconciled
375701		16-MAR-17	KENT & AMY DAHLBERG		7,723.08	21-MAR-17	7,723.08	Reconciled
375702		16-MAR-17	LA STRADA CONTRACTING CO.		261.99	28-MAR-17	261.99	Reconciled
375703		16-MAR-17	LABWORKS		7,800.00	22-MAR-17	7,800.00	Reconciled
375704		16-MAR-17	LANDCARE HOLDINGS, INC.		184.00	20-MAR-17	184.00	Reconciled
375705		16-MAR-17	LIU, XIN		24.76			Negotiable
375706		16-MAR-17	LONG-SHORTS, DARLENE		285.88			Negotiable
375707		16-MAR-17	MACKO, MICHAEL E		134.59	21-MAR-17	134.59	Reconciled
375708		16-MAR-17	MICHAEL BAKER INTERNATIONAL, INC.		2,565.00	20-MAR-17	2,565.00	Reconciled
375709		16-MAR-17	MODERN WATER INC		720.04	28-MAR-17	720.04	Reconciled
375710		16-MAR-17	MORRISON, BRANDON		14.67			Negotiable
375711		16-MAR-17	NATIONAL READY MIXED CONCRETE CO.		1,060.46	20-MAR-17	1,060.46	Reconciled
375712		16-MAR-17	OC PARKS RESERVATIONS AND PERMITS UNIT		200.00			Negotiable
375713		16-MAR-17	OLIN CORPORATION		2,985.16	20-MAR-17	2,985.16	Reconciled
375714		16-MAR-17	ORANGE COUNTY FIRE AUTHORITY		466.00	07-APR-17	466.00	Reconciled
375715		16-MAR-17	ORANGE COUNTY TREASURER		281.21	17-MAR-17	281.21	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 26
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375716		16-MAR-17	PATHE, JAMIE		6.56	20-MAR-17	6.56	Reconciled
375717		16-MAR-17	PENHALL COMPANY		515.00	17-MAR-17	515.00	Reconciled
375718		16-MAR-17	PROCARE WORK		230.00	21-MAR-17	230.00	Reconciled

375719	16-MAR-17	INJURY CENTER QUINN RENTAL SERVICES	819,227.13	20-MAR-17	819,227.13	Reconciled
375720	16-MAR-17	R&B AUTOMATION, INC.	465.61	20-MAR-17	465.61	Reconciled
375721	16-MAR-17	RAM AIR ENGINEERING INC	2,659.45	17-MAR-17	2,659.45	Reconciled
375722	16-MAR-17	RED WING SHOES	588.80	20-MAR-17	588.80	Reconciled
375723	16-MAR-17	ROYAL WHOLESALE ELECTRIC	300.49	20-MAR-17	300.49	Reconciled
375724	16-MAR-17	SANTA ANA BLUE PRINT	418.68	21-MAR-17	418.68	Reconciled
375725	16-MAR-17	SEAL ANALYTICAL INC	1,612.51	27-MAR-17	1,612.51	Reconciled
375726	16-MAR-17	SPARKLETTS	72.59	23-MAR-17	72.59	Reconciled
375727	16-MAR-17	STANDARD AUTOMATION AND CONTROL LP	24,779.18	22-MAR-17	24,779.18	Reconciled
375728	16-MAR-17	STANTEC CONSULTING SERVICES INC.	8,000.00	20-MAR-17	8,000.00	Reconciled
375729	16-MAR-17	SWAINS ELECTRIC MOTOR SERVICE	7,834.18	29-MAR-17	7,834.18	Reconciled
375730	16-MAR-17	SZETO, STANLEY	344.30	24-MAR-17	344.30	Reconciled
375731	16-MAR-17	TESTAMERICA LABORATORIES, INC	192.15	21-MAR-17	192.15	Reconciled
375732	16-MAR-17	TETRA TECH, INC	235.00	20-MAR-17	235.00	Reconciled
375733	16-MAR-17	THE GAS COMPANY	1,118.83	27-MAR-17	1,118.83	Reconciled
375734	16-MAR-17	TORAY MEMBRANE USA, INC.	6,174.12	20-MAR-17	6,174.12	Reconciled
375735	16-MAR-17	TROPICAL PLAZA NURSERY INC	791.00	20-MAR-17	791.00	Reconciled
375736	16-MAR-17	UCT, LLC	641.66	21-MAR-17	641.66	Reconciled
375737	16-MAR-17	UNITED PARCEL SERVICE INC	372.18	20-MAR-17	372.18	Reconciled
375738	16-MAR-17	US BANK NAT'L ASSOCIATION NORTH DAKOTA	133,871.36	22-MAR-17	133,871.36	Reconciled
375739	16-MAR-17	VAUGHAN'S INDUSTRIAL REPAIR CO INC	19,817.74	20-MAR-17	19,817.74	Reconciled
375740	16-MAR-17	VULCAN MATERIALS COMPANY	1,862.17	20-MAR-17	1,862.17	Reconciled

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 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								
375741		16-MAR-17	WESTERN NATIONAL CONTRACTORS		1,862.31	21-MAR-17	1,862.31	Reconciled
375742		16-MAR-17	XYLEM WATER SOLUTIONS USA INC		2,165.52	22-MAR-17	2,165.52	Reconciled
375743		16-MAR-17	STATE WATER RESOURCES CONTROL BOARD	PURCHASE	1,100.00	05-APR-17	1,100.00	Reconciled
375744		16-MAR-17	STATE WATER RESOURCES CONTROL BOARD	PURCHASE	2,484.00	05-APR-17	2,484.00	Reconciled
375745		16-MAR-17	Bystrom, Brian V (Brian)		88.00	20-MAR-17	88.00	Reconciled
375746		16-MAR-17	Degortari, Enrique (Henry)		300.00	10-APR-17	300.00	Reconciled
375747		16-MAR-17	Duffert, Dominic		172.00	10-APR-17	172.00	Reconciled
375748		16-MAR-17	Garcia, Alejandro (Alex)		172.00	21-MAR-17	172.00	Reconciled
375749		16-MAR-17	Lynch, Toni Marie		105.00	16-MAR-17	105.00	Reconciled
375750		16-MAR-17	Matheis, Mary Aileen		186.25	23-MAR-17	186.25	Reconciled
375751		16-MAR-17	Oldewage, Lars D (Lars)		2,031.83	20-MAR-17	2,031.83	Reconciled
375752		16-MAR-17	Perez, Rodolfo (Rudy)		88.00			Negotiable
375753		16-MAR-17	Pulles, Margaret M (Margaret)		68.49	16-MAR-17	68.49	Reconciled
375754		16-MAR-17	Reinhart, Douglas J		149.89	04-APR-17	149.89	Reconciled
375755		16-MAR-17	Silva, Jose A (Jose)		172.00	20-MAR-17	172.00	Reconciled
375756		16-MAR-17	Swan, Peer		1,077.67	22-MAR-17	1,077.67	Reconciled
375757		17-MAR-17	ADS LLC		1,936.50	24-MAR-17	1,936.50	Reconciled
375758		17-MAR-17	ASSURED FLOW SALES INC		415.31	27-MAR-17	415.31	Reconciled
375759		17-MAR-17	BARTEL ASSOCIATES, LLC		970.50	20-MAR-17	970.50	Reconciled
375760		17-MAR-17	BATTERY SPECIALTIES		10,834.53	23-MAR-17	10,834.53	Reconciled
375761		17-MAR-17	BEST DRILLING AND PUMP, INC.		35,292.50	22-MAR-17	35,292.50	Reconciled
375762		17-MAR-17	BIGWIG MONSTER, LLC		4,725.00	24-MAR-17	4,725.00	Reconciled

375763 17-MAR-17 CALIFORNIA BARRICADE RENTAL, INC. 785.00 22-MAR-17 785.00 Reconciled

375764 17-MAR-17 CIVILSOURCE, INC. 29,655.00 27-MAR-17 29,655.00 Reconciled

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 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								
375765		17-MAR-17	CLEARINGHOUSE		477.67	23-MAR-17	477.67	Reconciled
375766		17-MAR-17	COSOLIDATED CONTRACTING SERVICES, INC		2,291.81	30-MAR-17	2,291.81	Reconciled
375767		17-MAR-17	DBA AGUA DULCE WATER TRUCK & TRANSPORTATION		1,227.05	21-MAR-17	1,227.05	Reconciled
375768		17-MAR-17	DISCOVERY SCIENCE CENTER OF ORANGE COUNTY		22,077.68	23-MAR-17	22,077.68	Reconciled
375769		17-MAR-17	DMS FACILITY SERVICES, INC.		35.00	21-MAR-17	35.00	Reconciled
375770		17-MAR-17	ELITE EARTHWORKS & ENG		1,322.26	21-MAR-17	1,322.26	Reconciled
375771		17-MAR-17	EXCEL PAVING CO		1,196.77	03-APR-17	1,196.77	Reconciled
375772		17-MAR-17	EXCHANGE CLUB OF IRVINE		250.00			Negotiable
375773		17-MAR-17	FRONTIER CALIFORNIA INC.		117.58	22-MAR-17	117.58	Reconciled
375774		17-MAR-17	GCI CONSTRUCTION, INC.		87,033.59	22-MAR-17	87,033.59	Reconciled
375775		17-MAR-17	GENERAL PUMP COMPANY INC		25,906.50	22-MAR-17	25,906.50	Reconciled
375776		17-MAR-17	GRAINGER		1,067.14	20-MAR-17	1,067.14	Reconciled
375777		17-MAR-17	HARRINGTON INDUSTRIAL PLASTICS LLC		921.26	20-MAR-17	921.26	Reconciled
375778		17-MAR-17	HILL BROTHERS CHEMICAL COMPANY		13,311.65	23-MAR-17	13,311.65	Reconciled
375779		17-MAR-17	IRVINE PIPE & SUPPLY INC		933.71	20-MAR-17	933.71	Reconciled
375780		17-MAR-17	IRWD EMPLOYEE ASSOCIATION		1,385.00	07-APR-17	1,385.00	Reconciled
375781		17-MAR-17	JOHNSON-PELTIER		129,237.57	23-MAR-17	129,237.57	Reconciled
375782		17-MAR-17	KLEINFELDER, INC.		21,459.35	22-MAR-17	21,459.35	Reconciled
375783		17-MAR-17	KOREAN CULTURAL CENTER		2,500.00			Negotiable
375784		17-MAR-17	LA HABRA FENCE COMPANY INC		6,046.00	27-MAR-17	6,046.00	Reconciled
375785		17-MAR-17	LGC GEOTECHNICAL, INC.		700.00	20-MAR-17	700.00	Reconciled
375786		17-MAR-17	MC MASTER CARR SUPPLY CO		293.28	20-MAR-17	293.28	Reconciled
375787		17-MAR-17	NORMAN A. OLSSON CONSTRUCTION, INC.		346,596.58	24-MAR-17	346,596.58	Reconciled

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 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								
375788		17-MAR-17	ORANGE COUNTY SHERIFF'S OFFICE		62.50	27-MAR-17	62.50	Reconciled
375789		17-MAR-17	ORANGE COUNTY WATER DISTRICT		7,600.00	21-MAR-17	7,600.00	Reconciled
375790		17-MAR-17	PARKHOUSE TIRE INC		2,311.78	21-MAR-17	2,311.78	Reconciled
375791		17-MAR-17	PASCAL & LUDWIG CONSTRUCTORS		3,255.50	23-MAR-17	3,255.50	Reconciled
375792		17-MAR-17	PASCAL & LUDWIG CONSTRUCTORS		61,854.50	24-MAR-17	61,854.50	Reconciled
375793		17-MAR-17	PAULUS ENGINEERING, INC.		69,101.68	22-MAR-17	69,101.68	Reconciled
375794		17-MAR-17	PAYNE & FEARS LLP		4,266.10	21-MAR-17	4,266.10	Reconciled
375795		17-MAR-17	PERS LONG TERM CARE		900.58	03-APR-17	900.58	Reconciled
375796		17-MAR-17	PINNACLE TOWERS LLC		692.68	21-MAR-17	692.68	Reconciled
375797		17-MAR-17	PIVOT INTERIORS INC		303.07	20-MAR-17	303.07	Reconciled
375798		17-MAR-17	PROCARE WORK INJURY CENTER		1,378.27	21-MAR-17	1,378.27	Reconciled
375799		17-MAR-17	QUICKEL PAVING INC		8,880.00	20-MAR-17	8,880.00	Reconciled
375800		17-MAR-17	ROYAL WHOLESALE ELECTRIC		10,682.10	22-MAR-17	10,682.10	Reconciled
375801		17-MAR-17	RYAN HERCO		2,389.34	20-MAR-17	2,389.34	Reconciled

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
375802	17-MAR-17	17-MAR-17	PRODUCTS CORP SANTA ANA BLUE PRINT		746.52	21-MAR-17	746.52	Reconciled
375803	17-MAR-17	17-MAR-17	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		271.82	27-MAR-17	271.82	Reconciled
375804	17-MAR-17	17-MAR-17	SOUTHLAND WATER TECHNOLOGIES LLC		410.44	24-MAR-17	410.44	Reconciled
375805	17-MAR-17	17-MAR-17	SS MECHANICAL CORPORATION		2,215.00	22-MAR-17	2,215.00	Reconciled
375806	17-MAR-17	17-MAR-17	STATE BOARD OF EQUALIZATION		1,032.00	22-MAR-17	1,032.00	Reconciled
375807	17-MAR-17	17-MAR-17	STRADLING YOCCA CARLSON & RAUTH		476.00	20-MAR-17	476.00	Reconciled
375808	17-MAR-17	17-MAR-17	SUPPORT PRODUCT SERVICES, INC		4,638.28	21-MAR-17	4,638.28	Reconciled
375809	17-MAR-17	17-MAR-17	TROPICAL PLAZA NURSERY INC		9,446.00	20-MAR-17	9,446.00	Reconciled
375810	17-MAR-17	17-MAR-17	UCT, LLC		642.77	21-MAR-17	642.77	Reconciled
375811	17-MAR-17	17-MAR-17	WAXIE'S ENTERPRISES, INC		2,041.17	22-MAR-17	2,041.17	Reconciled

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 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								
375812	17-MAR-17	17-MAR-17	WESTERN EXTERMINATOR COMPANY		399.00	22-MAR-17	399.00	Reconciled
375813	17-MAR-17	17-MAR-17	ZEE MEDICAL SERVICE CO		113.44	20-MAR-17	113.44	Reconciled
375814	20-MAR-17	20-MAR-17	ALEXANDER'S CONTRACT SERVICES, INC.		1,795.00	23-MAR-17	1,795.00	Reconciled
375815	20-MAR-17	20-MAR-17	ALPHA TRAFFIC SERVICES, INC.		325.00	28-MAR-17	325.00	Reconciled
375816	20-MAR-17	20-MAR-17	AMERICAN WATER WORKS ASSOC		9,910.00	27-MAR-17	9,910.00	Reconciled
375817	20-MAR-17	20-MAR-17	BATTERIES PLUS AND BATTERIES PLUS BULBS		290.82	27-MAR-17	290.82	Reconciled
375818	20-MAR-17	20-MAR-17	BELL TOWER FLORIST & GIFTS		428.65	03-APR-17	428.65	Reconciled
375819	20-MAR-17	20-MAR-17	BLACK & VEATCH CORPORATION		343,651.04	24-MAR-17	343,651.04	Reconciled
375820	20-MAR-17	20-MAR-17	BRITTANY APTS		64.30	05-APR-17	64.30	Reconciled
375821	20-MAR-17	20-MAR-17	CENTERPOINTE II APTS		11.62	05-APR-17	11.62	Reconciled
375822	20-MAR-17	20-MAR-17	COUNTY OF ORANGE		6,175.88	22-MAR-17	6,175.88	Reconciled
375823	20-MAR-17	20-MAR-17	DAVIS FARR LLP		14,900.00	22-MAR-17	14,900.00	Reconciled
375824	20-MAR-17	20-MAR-17	DUDEK		3,187.50	24-MAR-17	3,187.50	Reconciled
375825	20-MAR-17	20-MAR-17	DUDLEY RIDGE WATER DISTRICT		8,708.91	24-MAR-17	8,708.91	Reconciled
375826	20-MAR-17	20-MAR-17	EAST ORANGE COUNTY WATER DISTRICT		2,153.85	23-MAR-17	2,153.85	Reconciled
375827	20-MAR-17	20-MAR-17	ENVIRONMENTAL RESOURCE ASSOCIATES		158.79	24-MAR-17	158.79	Reconciled
375828	20-MAR-17	20-MAR-17	FEDEX		268.56	22-MAR-17	268.56	Reconciled
375829	20-MAR-17	20-MAR-17	FRONTIER CALIFORNIA INC.		146.60	27-MAR-17	146.60	Reconciled
375830	20-MAR-17	20-MAR-17	HELPMATES STAFFING SERVICES		5,858.73	22-MAR-17	5,858.73	Reconciled
375831	20-MAR-17	20-MAR-17	HOME DEPOT USA INC		460.78	27-MAR-17	460.78	Reconciled
375832	20-MAR-17	20-MAR-17	INDUSTRIAL METAL SUPPLY CO		411.32	23-MAR-17	411.32	Reconciled
375833	20-MAR-17	20-MAR-17	INGOLD FAMILY INVESTMENTS, LLC		1,450.00	03-APR-17	1,450.00	Reconciled
375834	20-MAR-17	20-MAR-17	IRVINE UNIFIED SCHOOL DISTRICT		3,214.68	24-MAR-17	3,214.68	Reconciled
375835	20-MAR-17	20-MAR-17	L&S CONSTRUCTION INC		1,245.27			Negotiable

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 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								
375836	20-MAR-17	20-MAR-17	LAM, TRAN		2,508.09			Negotiable
375837	20-MAR-17	20-MAR-17	LANDCARE HOLDINGS, INC.		552.00	23-MAR-17	552.00	Reconciled
375838	20-MAR-17	20-MAR-17	LI, STEPHEN		18.37	28-MAR-17	18.37	Reconciled
375839	20-MAR-17	20-MAR-17	LINKEDIN CORPORATION		6,131.25	24-MAR-17	6,131.25	Reconciled

375840	20-MAR-17	MATHER, TODD C	500.25	22-MAR-17	500.25	Reconciled
375841	20-MAR-17	METRO LINK	970.99	23-MAR-17	970.99	Reconciled
375842	20-MAR-17	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	23,531.63	22-MAR-17	23,531.63	Reconciled
375843	20-MAR-17	NGO, VINCENT	262.13	23-MAR-17	262.13	Reconciled
375844	20-MAR-17	NORTHWOOD PARK APTS	1,564.36	05-APR-17	1,564.36	Reconciled
375845	20-MAR-17	ONESOURCE DISTRIBUTORS LLC	665.79	22-MAR-17	665.79	Reconciled
375846	20-MAR-17	PASCAL & LUDWIG CONSTRUCTORS	15,239.81	23-MAR-17	15,239.81	Reconciled
375847	20-MAR-17	PASCAL & LUDWIG CONSTRUCTORS	289,556.49	24-MAR-17	289,556.49	Reconciled
375848	20-MAR-17	PAZ-SOLDAN, MARCELA	26.65	05-APR-17	26.65	Reconciled
375849	20-MAR-17	PICOCO LLC	1,702.66	29-MAR-17	1,702.66	Reconciled
375850	20-MAR-17	PREMIER PAVING INC.	1,192.17	22-MAR-17	1,192.17	Reconciled
375851	20-MAR-17	PROCARE WORK INJURY CENTER	150.00	24-MAR-17	150.00	Reconciled
375852	20-MAR-17	RMS ENGINEERING & DESIGN, INC.	1,960.00	22-MAR-17	1,960.00	Reconciled
375853	20-MAR-17	SAN PAULO APTS	1,627.40	05-APR-17	1,627.40	Reconciled
375854	20-MAR-17	SANTA MARGARITA WATER DISTRICT	215.13	27-MAR-17	215.13	Reconciled
375855	20-MAR-17	SANTA ROSA APARTMENTS	1.67	05-APR-17	1.67	Reconciled
375856	20-MAR-17	SIRIUS COMPUTER SOLUTIONS INC	23,398.30	24-MAR-17	23,398.30	Reconciled
375857	20-MAR-17	SOUTHERN CALIFORNIA EDISON COMPANY	141,343.92	21-MAR-17	141,343.92	Reconciled
375858	20-MAR-17	STANTEC CONSULTING SERVICES INC.	435.70	23-MAR-17	435.70	Reconciled
375859	20-MAR-17	STICE COMPANY INC	825.36	24-MAR-17	825.36	Reconciled
375860	20-MAR-17	SUNNYHILLS RESTORATION	2,191.51	22-MAR-17	2,191.51	Reconciled
375861	20-MAR-17	THE GAS COMPANY	1,974.94	27-MAR-17	1,974.94	Reconciled
375862	20-MAR-17	TIC-IPG-COMMON	847.27	28-MAR-17	847.27	Reconciled

IRWD Ledger Upgrade
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 17-APR-2017 13:16
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 32
 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								
375863		20-MAR-17	TIC-OFFICE PROPERTIES		889.06	28-MAR-17	889.06	Reconciled
375864		20-MAR-17	TIC-RETAIL PROPERTIES		88.14	28-MAR-17	88.14	Reconciled
375865		20-MAR-17	TOM HAIGH		1,068.69	28-MAR-17	1,068.69	Reconciled
375866		20-MAR-17	TROPICAL PLAZA NURSERY INC		35,086.99	22-MAR-17	35,086.99	Reconciled
375867		20-MAR-17	WANG, LIZHI		1,164.19	23-MAR-17	1,164.19	Reconciled
375868		20-MAR-17	WESTERN EXTERMINATOR COMPANY		2,803.00	05-APR-17	2,803.00	Reconciled
375869		20-MAR-17	YORKE ENGINEERING LLC		3,008.83	28-MAR-17	3,008.83	Reconciled
375870		21-MAR-17	AKM CONSULTING ENGINEERS, INC.		4,617.80	22-MAR-17	4,617.80	Reconciled
375871		21-MAR-17	ALPHA TRAFFIC SERVICES, INC.		1,395.00	28-MAR-17	1,395.00	Reconciled
375872		21-MAR-17	ALSTON & BIRD LLP		17,940.21	27-MAR-17	17,940.21	Reconciled
375873		21-MAR-17	AT&T		3,783.65	30-MAR-17	3,783.65	Reconciled
375874		21-MAR-17	AT&T		4,366.58	27-MAR-17	4,366.58	Reconciled
375875		21-MAR-17	AUTOZONE PARTS, INC.		282.99	27-MAR-17	282.99	Reconciled
375876		21-MAR-17	BIGWIG MONSTER, LLC		12,600.00	24-MAR-17	12,600.00	Reconciled
375877		21-MAR-17	BILL'S SWEEPING SERVICE INC		460.00	27-MAR-17	460.00	Reconciled
375878		21-MAR-17	BRITHINEE ELECTRIC		1,050.00	23-MAR-17	1,050.00	Reconciled
375879		21-MAR-17	CANON FINANCIAL SERVICES, INC		9,291.83	24-MAR-17	9,291.83	Reconciled
375880		21-MAR-17	CAROLLO ENGINEERS, INC		73,503.80	27-MAR-17	73,503.80	Reconciled
375881		21-MAR-17	CITY OF IRVINE		162.00	24-MAR-17	162.00	Reconciled
375882		21-MAR-17	CITY OF NEWPORT BEACH		1,110.33	22-MAR-17	1,110.33	Reconciled
375883		21-MAR-17	COMMERCE ENERGY INC		167.92	23-MAR-17	167.92	Reconciled
375884		21-MAR-17	CONSOLIDATED ELECTRICAL DISTRIBUTORS, INC.		2,087.80	23-MAR-17	2,087.80	Reconciled
375885		21-MAR-17	DATA CLEAN CORPORATION		855.00	27-MAR-17	855.00	Reconciled
375886		21-MAR-17	DIRECTV INC		128.23	27-MAR-17	128.23	Reconciled
375887		21-MAR-17	EXPONENT, INC.		32,352.89	27-MAR-17	32,352.89	Reconciled
375888		21-MAR-17	FIRE EXTINGUISHING		779.24	24-MAR-17	779.24	Reconciled

375889 SAFETY & SERVICE 17,638.30 23-MAR-17 17,638.30 Reconciled
 IRWD Ledger Upgrade 21-MAR-17 FISERV Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 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								
375890		21-MAR-17	FRONTIER CALIFORNIA INC.		210.66	28-MAR-17	210.66	Reconciled
375891		21-MAR-17	GRAINGER		81.58	24-MAR-17	81.58	Reconciled
375892		21-MAR-17	GRAYBAR ELECTRIC COMPANY		275.46	23-MAR-17	275.46	Reconciled
375893		21-MAR-17	HELPMATES STAFFING SERVICES		3,312.97	22-MAR-17	3,312.97	Reconciled
375894		21-MAR-17	INDUSTRIAL METAL SUPPLY CO		143.62	24-MAR-17	143.62	Reconciled
375895		21-MAR-17	IRVINE PIPE & SUPPLY INC		2,449.69	22-MAR-17	2,449.69	Reconciled
375896		21-MAR-17	MAG-TROL		1,228.37	23-MAR-17	1,228.37	Reconciled
375897		21-MAR-17	MARVIN GARDENS LLC		2,593.70	23-MAR-17	2,593.70	Reconciled
375898		21-MAR-17	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		96,884.09	24-MAR-17	96,884.09	Reconciled
375899		21-MAR-17	SOUTHERN CALIFORNIA EDISON COMPANY		24,356.57	23-MAR-17	24,356.57	Reconciled
375900		21-MAR-17	STANTEC CONSULTING SERVICES INC.		4,176.00	24-MAR-17	4,176.00	Reconciled
375901		21-MAR-17	THE FURMAN GROUP, INC.		12,550.00	28-MAR-17	12,550.00	Reconciled
375902		21-MAR-17	UNITED PARCEL SERVICE INC		50.02	24-MAR-17	50.02	Reconciled
375903		21-MAR-17	UNITED STATES POST OFFICE		25,000.00	27-MAR-17	25,000.00	Reconciled
375904		21-MAR-17	VAUGHAN'S INDUSTRIAL REPAIR CO INC		13,601.46	27-MAR-17	13,601.46	Reconciled
375905		21-MAR-17	WALTERS WHOLESALE ELECTRIC		723.86	23-MAR-17	723.86	Reconciled
375906		21-MAR-17	WAXIE'S ENTERPRISES, INC		280.47	23-MAR-17	280.47	Reconciled
375907		22-MAR-17	ALL STAR GLASS		692.60	24-MAR-17	692.60	Reconciled
375908		22-MAR-17	ANDERSONPENNA PARTNERS, INC.		11,210.00	27-MAR-17	11,210.00	Reconciled
375909		22-MAR-17	AT&T		1,461.41	28-MAR-17	1,461.41	Reconciled
375910		22-MAR-17	AT&T		2,050.53	28-MAR-17	2,050.53	Reconciled
375911		22-MAR-17	AUTOZONE PARTS, INC.		29.89	27-MAR-17	29.89	Reconciled
375912		22-MAR-17	CALIFORNIA BARRICADE RENTAL, INC.		5,313.90	28-MAR-17	5,313.90	Reconciled
375913		22-MAR-17	CHARLES P CROWLEY COMPANY INC		865.83	24-MAR-17	865.83	Reconciled

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 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 CHECK								
375914		22-MAR-17	CITY OF ORANGE		57.00	28-MAR-17	57.00	Reconciled
375915		22-MAR-17	CLEAN WATER AND JOBS FOR CALIFORNIA		2,500.00	03-APR-17	2,500.00	Reconciled
375916		22-MAR-17	COMMERCIAL ROOFING SYSTEMS INC		7,332.00	28-MAR-17	7,332.00	Reconciled
375917		22-MAR-17	CULLIGAN OF SANTA ANA		6,017.10	27-MAR-17	6,017.10	Reconciled
375918		22-MAR-17	DISCOUNT COURIER SERVICE		73.45	24-MAR-17	73.45	Reconciled
375919		22-MAR-17	EAGLE PRINT DYNAMICS		12,842.33	27-MAR-17	12,842.33	Reconciled
375920		22-MAR-17	EI&C ENGINEERING INC		68,010.00	27-MAR-17	68,010.00	Reconciled
375921		22-MAR-17	ENVIRONMENTAL SCIENCE ASSOCIATES		2,577.78	27-MAR-17	2,577.78	Reconciled
375922		22-MAR-17	FISHER SCIENTIFIC COMPANY LLC		930.63	27-MAR-17	930.63	Reconciled
375923		22-MAR-17	FRANCHISE TAX BOARD		10.00	07-APR-17	10.00	Reconciled
375924		22-MAR-17	FRANCHISE TAX BOARD		10.00	07-APR-17	10.00	Reconciled
375925		22-MAR-17	GRAYBAR ELECTRIC COMPANY		1,928.21	27-MAR-17	1,928.21	Reconciled
375926		22-MAR-17	HACH COMPANY		48.43	27-MAR-17	48.43	Reconciled

375927	22-MAR-17	HAMILTON, KURT	451.49	29-MAR-17	451.49	Reconciled
375928	22-MAR-17	HARPER & ASSOCIATES ENGINEERING INC	1,140.00	11-APR-17	1,140.00	Reconciled
375929	22-MAR-17	HILL BROTHERS CHEMICAL COMPANY	2,096.60	24-MAR-17	2,096.60	Reconciled
375930	22-MAR-17	I. KRUGER INC.	728.80	27-MAR-17	728.80	Reconciled
375931	22-MAR-17	IRON MOUNTAIN INFORMATION MANAGEMENT INC	1,319.33	24-MAR-17	1,319.33	Reconciled
375932	22-MAR-17	IRVINE PIPE & SUPPLY INC	112.06	24-MAR-17	112.06	Reconciled
375933	22-MAR-17	JCI JONES CHEMICALS INC	5,921.16	27-MAR-17	5,921.16	Reconciled
375934	22-MAR-17	KENT & AMY DAHLBERG	7,960.00	29-MAR-17	7,960.00	Reconciled
375935	22-MAR-17	KOELLER NEBEKER CARLSON & HALUCK, LLP	2,174.00	27-MAR-17	2,174.00	Reconciled
375936	22-MAR-17	LABELLE-MARVIN INC	3,012.50			Negotiable

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

Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 Account: Checking AP and PR Page: 35
 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								
375937		22-MAR-17	LGC GEOTECHNICAL, INC.		1,750.00	24-MAR-17	1,750.00	Reconciled
375938		22-MAR-17	LU'S LIGHTHOUSE, INC.		3,105.70	28-MAR-17	3,105.70	Reconciled
375939		22-MAR-17	MCMURRAY STERN, INC.		392.18	24-MAR-17	392.18	Reconciled
375940		22-MAR-17	NATIONAL READY MIXED CONCRETE CO.		3,328.41	24-MAR-17	3,328.41	Reconciled
375941		22-MAR-17	OLIN CORPORATION		26,397.99	27-MAR-17	26,397.99	Reconciled
375942		22-MAR-17	ORANGE COUNTY AUTO PARTS CO		751.09	24-MAR-17	751.09	Reconciled
375943		22-MAR-17	PACIFIC EH&S SERVICES, INC.		1,156.96	13-APR-17	1,156.96	Reconciled
375944		22-MAR-17	PARKHOUSE TIRE INC		2,334.40	24-MAR-17	2,334.40	Reconciled
375945		22-MAR-17	PURE EFFECT INC		5,945.00	28-MAR-17	5,945.00	Reconciled
375946		22-MAR-17	RAM AIR ENGINEERING INC		13,565.64	28-MAR-17	13,565.64	Reconciled
375947		22-MAR-17	RED WING SHOES		3,073.04	24-MAR-17	3,073.04	Reconciled
375948		22-MAR-17	RED WING SHOES		198.25	27-MAR-17	198.25	Reconciled
375949		22-MAR-17	RELIANCE SAFETY CONSULTANTS, INC.		735.00	03-APR-17	735.00	Reconciled
375950		22-MAR-17	RESPONSE ENVELOPE, INC		2,674.23	27-MAR-17	2,674.23	Reconciled
375951		22-MAR-17	ROYAL WHOLESALE ELECTRIC		998.20	24-MAR-17	998.20	Reconciled
375952		22-MAR-17	SANTA ANA BLUE PRINT		341.70	31-MAR-17	341.70	Reconciled
375953		22-MAR-17	SANTA MARGARITA FORD		112.23	27-MAR-17	112.23	Reconciled
375954		22-MAR-17	SEAL ANALYTICAL INC		935.26	27-MAR-17	935.26	Reconciled
375955		22-MAR-17	SECURTEC DISTRICT PATROL, INC.		9,100.00	27-MAR-17	9,100.00	Reconciled
375956		22-MAR-17	SOUTHERN CALIFORNIA EDISON COMPANY		11.49	24-MAR-17	11.49	Reconciled
375957		22-MAR-17	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.		1,807.13	06-APR-17	1,807.13	Reconciled
375958		22-MAR-17	TIC-IPG-COMMON		2,723.46	11-APR-17	2,723.46	Reconciled
375959		22-MAR-17	TRINH, RICHARD		39,000.00			Negotiable
375960		22-MAR-17	TRUCPARCO		430.87	27-MAR-17	430.87	Reconciled
375961		22-MAR-17	TYCO INTEGRATED SECURITY, LLC		911.06	27-MAR-17	911.06	Reconciled

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

Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 Account: Checking AP and PR Page: 36
 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								
375962		22-MAR-17	VULCAN MATERIALS COMPANY		1,428.25	27-MAR-17	1,428.25	Reconciled
375963		22-MAR-17	WASTE MANAGEMENT OF ORANGE COUNTY		629.59	27-MAR-17	629.59	Reconciled
375964		22-MAR-17	WECK LABORATORIES INC		985.00	28-MAR-17	985.00	Reconciled
375965		22-MAR-17	COSTCO WHOLESALE CORPORATION	ISSAQUAH	8,400.60	23-MAR-17	8,400.60	Reconciled

375966	23-MAR-17	Duffert, Dominic	88.00	10-APR-17	88.00	Reconciled
375967	23-MAR-17	Escalante, Alexander	780.00	03-APR-17	780.00	Reconciled
375968	23-MAR-17	Fites, Michael E (Michael)	170.00	29-MAR-17	170.00	Reconciled
375969	23-MAR-17	Garcia, Alejandro (Alex)	88.00			Negotiable
375970	23-MAR-17	LaMar, Steven E	326.96	24-MAR-17	326.96	Reconciled
375971	23-MAR-17	Malloy, Steven L (Steven)	30.00	27-MAR-17	30.00	Reconciled
375972	23-MAR-17	McGehee, Joseph M (Joe)	115.00	23-MAR-17	115.00	Reconciled
375973	23-MAR-17	Moeder, Jacob J (Jacob)	11.00	28-MAR-17	11.00	Reconciled
375974	23-MAR-17	Orozco, Linda	50.86	03-APR-17	50.86	Reconciled
375975	23-MAR-17	Robinson, Mitchell S	35.00	24-MAR-17	35.00	Reconciled
375976	23-MAR-17	Velardes, Mattias J (Matt)	80.00	27-MAR-17	80.00	Reconciled
375977	23-MAR-17	ALEXANDER'S CONTRACT SERVICES, INC.	5,317.50	28-MAR-17	5,317.50	Reconciled
375978	23-MAR-17	ANDERSON JR, VICTOR	298.75			Negotiable
375979	23-MAR-17	ANDERSONPENNA PARTNERS, INC.	55,318.00	29-MAR-17	55,318.00	Reconciled
375980	23-MAR-17	APEX LIFE SCIENCES, LLC	7,378.00	28-MAR-17	7,378.00	Reconciled
375981	23-MAR-17	ARCADIS U.S., INC.	178,628.00	03-APR-17	178,628.00	Reconciled
375982	23-MAR-17	ATHENS SERVICES	1,979.81	27-MAR-17	1,979.81	Reconciled
375983	23-MAR-17	AUSTIN HARDWOODS, INC	419.52	28-MAR-17	419.52	Reconciled
375984	23-MAR-17	AUTOZONE PARTS, INC.	3.08	30-MAR-17	3.08	Reconciled
375985	23-MAR-17	BAAHMADI, GHOLAM	19.45	12-APR-17	19.45	Reconciled
375986	23-MAR-17	BARBARA AND DAVID TOLBERT-KP	1.88	04-APR-17	1.88	Reconciled

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 37
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
375987		23-MAR-17	BATTERIES PLUS AND BATTERIES PLUS BULBS		244.96	27-MAR-17	244.96	Reconciled
375988		23-MAR-17	BORCHARD SURVEYING & MAPPING, INC.		4,932.50	12-APR-17	4,932.50	Reconciled
375989		23-MAR-17	BOYD & ASSOCIATES		125.00	27-MAR-17	125.00	Reconciled
375990		23-MAR-17	BOYD & ASSOCIATES		3,753.00	27-MAR-17	3,753.00	Reconciled
375991		23-MAR-17	BRITHINEE ELECTRIC		3,403.29	27-MAR-17	3,403.29	Reconciled
375992		23-MAR-17	BRUCE NEWELL		2,500.00	28-MAR-17	2,500.00	Reconciled
375993		23-MAR-17	BUSH & ASSOCIATES INC		690.00			Negotiable
375994		23-MAR-17	CALIFORNIA PACIFIC HOMES		208.67			Negotiable
375995		23-MAR-17	CHEMTRADE CHEMICALS CORPORATION		456.00	28-MAR-17	456.00	Reconciled
375996		23-MAR-17	CHEN, SUSAN		19.10			Negotiable
375997		23-MAR-17	COUNTY OF RIVERSIDE		5,922.10	30-MAR-17	5,922.10	Reconciled
375998		23-MAR-17	COX COMMUNICATIONS, INC.		3,243.36	28-MAR-17	3,243.36	Reconciled
375999		23-MAR-17	D & G SIGNS		480.15	29-MAR-17	480.15	Reconciled
376000		23-MAR-17	ENVIRONMENTAL EQUIPMENT SUPPLY, INC		273.01	29-MAR-17	273.01	Reconciled
376001		23-MAR-17	EVANS-HYDRO INC		6,384.18	04-APR-17	6,384.18	Reconciled
376002		23-MAR-17	EXHIBITREE INC		69.42	28-MAR-17	69.42	Reconciled
376003		23-MAR-17	FISHER SCIENTIFIC COMPANY LLC		580.28	27-MAR-17	580.28	Reconciled
376004		23-MAR-17	FRONTIER CALIFORNIA INC.		99.13	30-MAR-17	99.13	Reconciled
376005		23-MAR-17	GRAINGER		604.75	28-MAR-17	604.75	Reconciled
376006		23-MAR-17	HACH COMPANY		6,729.65	28-MAR-17	6,729.65	Reconciled
376007		23-MAR-17	HAO, JINGWEI		23.07			Negotiable
376008		23-MAR-17	HARMSWORTH ASSOCIATES		1,190.00	28-MAR-17	1,190.00	Reconciled
376009		23-MAR-17	HILL BROTHERS CHEMICAL COMPANY		3,686.37	29-MAR-17	3,686.37	Reconciled
376010		23-MAR-17	HWANG, SOO		50.89	27-MAR-17	50.89	Reconciled
376011		23-MAR-17	IBM CORPORATION		4,075.00	27-MAR-17	4,075.00	Reconciled
376012		23-MAR-17	IRVINE PACIFIC		107.62	30-MAR-17	107.62	Reconciled
376013		23-MAR-17	IRWD-PETTY CASH CUSTODIAN		1,088.18	28-MAR-17	1,088.18	Reconciled
376014		23-MAR-17	JCI JONES CHEMICALS INC		4,782.79	03-APR-17	4,782.79	Reconciled

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BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 38
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
376015		23-MAR-17	JOYA-LUQUE, GUSTAVO		21.37			Negotiable
376016		23-MAR-17	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		4,130.00	28-MAR-17	4,130.00	Reconciled
376017		23-MAR-17	LANDCARE HOLDINGS, INC.		3,173.80	27-MAR-17	3,173.80	Reconciled
376018		23-MAR-17	LU'S LIGHTHOUSE, INC.		16.77	28-MAR-17	16.77	Reconciled
376019		23-MAR-17	MC MASTER CARR SUPPLY CO		190.86	28-MAR-17	190.86	Reconciled
376020		23-MAR-17	MISSION COMMUNICATIONS LLC		15,630.60	30-MAR-17	15,630.60	Reconciled
376021		23-MAR-17	MUTUAL PROPANE		132.68	28-MAR-17	132.68	Reconciled
376022		23-MAR-17	NORTHERN TOOL & EQUIPMENT CATALOG COMPANY, INC		159.00	27-MAR-17	159.00	Reconciled
376023		23-MAR-17	ORANGE COUNTY AUTO PARTS CO		12.43	27-MAR-17	12.43	Reconciled
376024		23-MAR-17	PACIFIC COAST BOLT CORP		1,494.51	28-MAR-17	1,494.51	Reconciled
376025		23-MAR-17	PSOMAS		2,273.19	29-MAR-17	2,273.19	Reconciled
376026		23-MAR-17	REACH EMPLOYEE ASSISTANCE INC		960.40	31-MAR-17	960.40	Reconciled
376027		23-MAR-17	REAL WATER CONSULTANTS INC.		17,992.25	30-MAR-17	17,992.25	Reconciled
376028		23-MAR-17	RESA POWER SOLUTIONS - TRANSFORMER SERVICES, LLC		6,930.00	27-MAR-17	6,930.00	Reconciled
376029		23-MAR-17	RICHARD C. SLADE & ASSOCIATES LLC		11,763.00	03-APR-17	11,763.00	Reconciled
376030		23-MAR-17	RICHMOND AMERICAN HOMES OF MARYLAND INC		134.56	07-APR-17	134.56	Reconciled
376031		23-MAR-17	RINCON TRUCK CENTER INC.		242.41	27-MAR-17	242.41	Reconciled
376032		23-MAR-17	SANTA MARGARITA FORD		111.45	27-MAR-17	111.45	Reconciled
376033		23-MAR-17	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		36.48	31-MAR-17	36.48	Reconciled
376034		23-MAR-17	SOUTH COAST ANSWERING SERVICE		512.78	27-MAR-17	512.78	Reconciled
376035		23-MAR-17	SPX CORP		1,280.36	28-MAR-17	1,280.36	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 39
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
376036		23-MAR-17	STANTEC CONSULTING SERVICES INC.		13,657.50	30-MAR-17	13,657.50	Reconciled
376037		23-MAR-17	SUN, JING		385.57	03-APR-17	385.57	Reconciled
376038		23-MAR-17	T.E. ROBERTS, INC.		318,459.60	31-MAR-17	318,459.60	Reconciled
376039		23-MAR-17	TROPICAL PLAZA NURSERY INC		3,409.00	27-MAR-17	3,409.00	Reconciled
376040		23-MAR-17	TRUCPARCO		95.65	03-APR-17	95.65	Reconciled
376041		23-MAR-17	URS CORPORATION		7,495.76	28-MAR-17	7,495.76	Reconciled
376042		23-MAR-17	VWR INTERNATIONAL, LLC		492.21	27-MAR-17	492.21	Reconciled
376043		23-MAR-17	W.M. LYLES CO		26,527.52	29-MAR-17	26,527.52	Reconciled
376044		23-MAR-17	W.M. LYLES CO		504,022.96	29-MAR-17	504,022.96	Reconciled
376045		23-MAR-17	WANG, LIQUIN		27.49			Negotiable
376046		23-MAR-17	WATERWISE CONSULTING, INC.		3,330.00	27-MAR-17	3,330.00	Reconciled
376047		23-MAR-17	WESTAMERICA COMMUNICATIONS, INC.		1,080.26	27-MAR-17	1,080.26	Reconciled
376048		23-MAR-17	WU, JUN		41.33			Negotiable
376049		23-MAR-17	DEE JASPAR & ASSOCIATES, INC.	BAKERSFIELD	47,459.90	31-MAR-17	47,459.90	Reconciled
376050		27-MAR-17	JCI JONES CHEMICALS INC	TAMPA	5,255.25	04-APR-17	5,255.25	Reconciled
376051		30-MAR-17	Compton, Christine A		43.30			Negotiable
376052		30-MAR-17	Justice, Jack L (Jack)		172.00			Negotiable
376053		30-MAR-17	Marcacchi, Mark		325.56	03-APR-17	325.56	Reconciled
376054		30-MAR-17	Morabito, Chadd		199.33	03-APR-17	199.33	Reconciled

376055	30-MAR-17	Parsons, Sheryl		56.04	03-APR-17	56.04	Reconciled
376056	30-MAR-17	Sarabia, Mark S (Mark)		200.00	03-APR-17	200.00	Reconciled
376057	30-MAR-17	Silva, Jose A (Jose)		88.00	03-APR-17	88.00	Reconciled
376058	30-MAR-17	Vargas, Gabriel A (Gabriel)		15.00	05-APR-17	15.00	Reconciled
376059	30-MAR-17	Zaragoza, Anthony		193.86	12-APR-17	193.86	Reconciled
376060	30-MAR-17	A STITCH ON TIME.COM		148.16			Negotiable
376061	30-MAR-17	AFLAC		6,885.92	05-APR-17	6,885.92	Reconciled
376062	30-MAR-17	AFLAC		203.12	04-APR-17	203.12	Reconciled
376063	30-MAR-17	AIR TECHNOLOGY LABORATORIES		289.00	11-APR-17	289.00	Reconciled
376064	30-MAR-17	AIRGAS, INC.		903.48	03-APR-17	903.48	Reconciled
376065	30-MAR-17	AMERICAN WATER CHEMICALS, INC.		16,053.32	07-APR-17	16,053.32	Reconciled

IRWD Ledger Upgrade
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 17-APR-2017 13:16
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 40
 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								
376066		30-MAR-17	AMERICAN WATER COLLEGE		11,976.00	04-APR-17	11,976.00	Reconciled
376067		30-MAR-17	AT&T		50.97	04-APR-17	50.97	Reconciled
376068		30-MAR-17	AT&T		246.55	05-APR-17	246.55	Reconciled
376069		30-MAR-17	AUTOZONE PARTS, INC.		197.21	05-APR-17	197.21	Reconciled
376070		30-MAR-17	BILL'S SWEEPING SERVICE INC		825.00	04-APR-17	825.00	Reconciled
376071		30-MAR-17	BIOMAGIC INC		17,760.65	06-APR-17	17,760.65	Reconciled
376072		30-MAR-17	BOYD & ASSOCIATES		370.00	04-APR-17	370.00	Reconciled
376073		30-MAR-17	BRAY, JEANIE		345.37	10-APR-17	345.37	Reconciled
376074		30-MAR-17	BRENNTAG PACIFIC INC		4,811.58	03-APR-17	4,811.58	Reconciled
376075		30-MAR-17	BRITHINEE ELECTRIC		4,018.07	03-APR-17	4,018.07	Reconciled
376076		30-MAR-17	BROWN AND CALDWELL		3,539.02	05-APR-17	3,539.02	Reconciled
376077		30-MAR-17	BURLINGTON SAFETY LABORATORY OF CALIFORNIA INC		579.00	03-APR-17	579.00	Reconciled
376078		30-MAR-17	C WELLS PIPELINE MATERIALS INC		10,651.11	07-APR-17	10,651.11	Reconciled
376079		30-MAR-17	CALIFORNIA BARRICADE RENTAL, INC.		650.00	06-APR-17	650.00	Reconciled
376080		30-MAR-17	CALSENSE		387.13	04-APR-17	387.13	Reconciled
376081		30-MAR-17	CAMERON-COLE, LLC		2,152.36	05-APR-17	2,152.36	Reconciled
376082		30-MAR-17	CANON SOLUTIONS AMERICA, INC.		433.56	03-APR-17	433.56	Reconciled
376083		30-MAR-17	CAROLLO ENGINEERS, INC		29,042.50	10-APR-17	29,042.50	Reconciled
376084		30-MAR-17	CHEM TECH INTERNATIONAL INC		25,865.01	07-APR-17	25,865.01	Reconciled
376085		30-MAR-17	CITY OF IRVINE		1,120.93	06-APR-17	1,120.93	Reconciled
376086		30-MAR-17	CITY OF SANTA ANA		83.72	03-APR-17	83.72	Reconciled
376087		30-MAR-17	CITY OF TUSTIN		6,903.26	03-APR-17	6,903.26	Reconciled
376088		30-MAR-17	CLEARINGHOUSE		477.67	04-APR-17	477.67	Reconciled
376089		30-MAR-17	COLONIAL LIFE & ACCIDENT INSURANCE CO.		1,363.58	05-APR-17	1,363.58	Reconciled
376090		30-MAR-17	CONSOLIDATED CONTRACTING SERVICES, INC.		1,131.15			Negotiable
376091		30-MAR-17	CONTROLLED KEY SYSTEMS INC		531.75	10-APR-17	531.75	Reconciled
376092		30-MAR-17	CORE SPORTS NUTRITION LLC		9,973.62	04-APR-17	9,973.62	Reconciled

IRWD Ledger Upgrade
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 17-APR-2017 13:16
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 41
 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								
376093		30-MAR-17	COUNTY OF RIVERSIDE		5,922.10	06-APR-17	5,922.10	Reconciled
376094		30-MAR-17	COX COMMUNICATIONS, INC.		114.15	03-APR-17	114.15	Reconciled
376095		30-MAR-17	CRESCENT CHEMICAL CO.		1,137.36	03-APR-17	1,137.36	Reconciled
376096		30-MAR-17	CS-AMSCO		13,706.35	05-APR-17	13,706.35	Reconciled
376097		30-MAR-17	DENNIS, DONALD		297.28	10-APR-17	297.28	Reconciled
376098		30-MAR-17	DIRECTV INC		120.53	04-APR-17	120.53	Reconciled
376099		30-MAR-17	DONG, GEGE		34.37			Negotiable

376100	30-MAR-17	ECKLUND, MARIELLE	16.44				Negotiable
376101	30-MAR-17	ENETCENTRIC	769.08	05-APR-17	769.08		Reconciled
376102	30-MAR-17	FEDEX	2,146.50	04-APR-17	2,146.50		Reconciled
376103	30-MAR-17	FISERV	282.45	03-APR-17	282.45		Reconciled
376104	30-MAR-17	FISHER SCIENTIFIC COMPANY LLC	2,995.39	03-APR-17	2,995.39		Reconciled
376105	30-MAR-17	FRONTIER CALIFORNIA INC.	269.06	06-APR-17	269.06		Reconciled
376106	30-MAR-17	GENERAL MONITORS INC.	1,017.16	03-APR-17	1,017.16		Reconciled
376107	30-MAR-17	GIERLICH-MITCHELL, INC.	150.35	03-APR-17	150.35		Reconciled
376108	30-MAR-17	GRAINGER	743.20	03-APR-17	743.20		Reconciled
376109	30-MAR-17	GUNNARSON, LES	895.23	06-APR-17	895.23		Reconciled
376110	30-MAR-17	HACH COMPANY	40,083.44	03-APR-17	40,083.44		Reconciled
376111	30-MAR-17	HAGGINS, CASSANDRA	12.44				Negotiable
376112	30-MAR-17	HARN R/O SYSTEMS, INC.	6,500.00	03-APR-17	6,500.00		Reconciled
376113	30-MAR-17	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY	112.48	03-APR-17	112.48		Reconciled
376114	30-MAR-17	HDR ENGINEERING INC	40,498.68	07-APR-17	40,498.68		Reconciled
376115	30-MAR-17	HELPMATES STAFFING SERVICES	6,258.91	04-APR-17	6,258.91		Reconciled
376116	30-MAR-17	HILL BROTHERS CHEMICAL COMPANY	5,453.17	04-APR-17	5,453.17		Reconciled
376117	30-MAR-17	HOME DEPOT USA INC	389.38	05-APR-17	389.38		Reconciled
376118	30-MAR-17	IDEXX	1,184.80	03-APR-17	1,184.80		Reconciled
376119	30-MAR-17	DISTRIBUTION, INC	16.10	04-APR-17	16.10		Reconciled
376120	30-MAR-17	INDUSTRIAL METAL SUPPLY CO	179.41	04-APR-17	179.41		Reconciled
		INORGANIC VENTURES INC					

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 42
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 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
376121		30-MAR-17	IRVINE COMMUNITY DEVELOPMENT COMPANY LLC		550.90	05-APR-17	550.90	Reconciled
376122		30-MAR-17	IRVINE PIPE & SUPPLY INC		3,835.77	03-APR-17	3,835.77	Reconciled
376123		30-MAR-17	IRWD EMPLOYEE ASSOCIATION		1,385.00	07-APR-17	1,385.00	Reconciled
376124		30-MAR-17	JPI DEVELOPMENT GROUP INC.		702.53			Negotiable
376125		30-MAR-17	KLEINFELDER, INC.		22,737.40	05-APR-17	22,737.40	Reconciled
376126		30-MAR-17	L&S CONSTRUCTION INC		51,462.00	05-APR-17	51,462.00	Reconciled
376127		30-MAR-17	LABWORKS		6,200.00	10-APR-17	6,200.00	Reconciled
376128		30-MAR-17	LAGUNA BEACH COUNTY WATER DISTRICT		3,261.00	07-APR-17	3,261.00	Reconciled
376129		30-MAR-17	LEE, SU		46.39	06-APR-17	46.39	Reconciled
376130		30-MAR-17	LUDECA, INC.		791.69	04-APR-17	791.69	Reconciled
376131		30-MAR-17	MBC APPLIED ENVIRONMENTAL SCIENCES		1,300.00	03-APR-17	1,300.00	Reconciled
376132		30-MAR-17	MC FADDEN-DALE INDUSTRIAL		394.52	04-APR-17	394.52	Reconciled
376133		30-MAR-17	MC MASTER CARR SUPPLY CO		1,827.91	03-APR-17	1,827.91	Reconciled
376134		30-MAR-17	MISSION COMMUNICATIONS, LLC		5,861.40	04-APR-17	5,861.40	Reconciled
376135		30-MAR-17	MR CRANE INC		2,353.20	03-APR-17	2,353.20	Reconciled
376136		30-MAR-17	NINYO & MOORE		8,288.25	04-APR-17	8,288.25	Reconciled
376137		30-MAR-17	NOSSAMAN LLP		18,034.93	04-APR-17	18,034.93	Reconciled
376138		30-MAR-17	O'HAREN GOVERNMENT RELATIONS		6,500.00	06-APR-17	6,500.00	Reconciled
376139		30-MAR-17	OLIN CORPORATION		5,856.94	05-APR-17	5,856.94	Reconciled
376140		30-MAR-17	ORANGE COUNTY SHERIFF'S OFFICE		62.50			Negotiable
376141		30-MAR-17	PARK, ESTELLE		22.87			Negotiable
376142		30-MAR-17	PERS LONG TERM CARE		900.58	05-APR-17	900.58	Reconciled
376143		30-MAR-17	FFAFFLY, LARRY		597.33	10-APR-17	597.33	Reconciled
376144		30-MAR-17	POLLARDWATER.COM		3,200.18	04-APR-17	3,200.18	Reconciled
376145		30-MAR-17	PRE-PAID LEGAL SERVICES INC		1,518.21	10-APR-17	1,518.21	Reconciled
376146		30-MAR-17	PRO MOBILE AUTO DETAILING		300.00	04-APR-17	300.00	Reconciled

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 43
 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								
376147		30-MAR-17	R & S SOIL PRODUCTS INC		840.45	06-APR-17	840.45	Reconciled
376148		30-MAR-17	RED WING SHOES		129.29	04-APR-17	129.29	Reconciled
376149		30-MAR-17	RED WING SHOES		12,951.49	04-APR-17	12,951.49	Reconciled
376150		30-MAR-17	RELIANCE STANDARD LIFE INSURANCE COMPANY		25,496.54	10-APR-17	25,496.54	Reconciled
376151		30-MAR-17	RICHARD C. SLADE & ASSOCIATES LLC		8,025.00	10-APR-17	8,025.00	Reconciled
376152		30-MAR-17	RICHMOND AMERICAN HOMES		93.89			Negotiable
376153		30-MAR-17	RODRIGUEZ, LIZZETTE		18.58			Negotiable
376154		30-MAR-17	ROSEMOUNT INC.		440.48	04-APR-17	440.48	Reconciled
376155		30-MAR-17	ROYAL WHOLESale ELECTRIC		22,359.27	05-APR-17	22,359.27	Reconciled
376156		30-MAR-17	RYAN HERCO PRODUCTS CORP		12,918.69	05-APR-17	12,918.69	Reconciled
376157		30-MAR-17	SEALS WEST PACKING CO.		395.80	05-APR-17	395.80	Reconciled
376158		30-MAR-17	SHAMROCK SUPPLY CO INC		1,137.64	05-APR-17	1,137.64	Reconciled
376159		30-MAR-17	SHON, YOUNGIL		6.25	03-APR-17	6.25	Reconciled
376160		30-MAR-17	SITMATIC		727.99	05-APR-17	727.99	Reconciled
376161		30-MAR-17	SMARTCOVER SYSTEMS		1,411.99	04-APR-17	1,411.99	Reconciled
376162		30-MAR-17	SOL CONSTRUCTION, INC.		1,201.71	04-APR-17	1,201.71	Reconciled
376163		30-MAR-17	SOUTHERN CALIFORNIA EDISON COMPANY		83,183.77	03-APR-17	83,183.77	Reconciled
376164		30-MAR-17	SOUTHERN COUNTIES LUBRICANTS LLC		1,562.47	04-APR-17	1,562.47	Reconciled
376165		30-MAR-17	SPATIAL WAVE, INC.		11,670.00	06-APR-17	11,670.00	Reconciled
376166		30-MAR-17	SPECTRA EQUIPMENT, INC		12,876.13	07-APR-17	12,876.13	Reconciled
376167		30-MAR-17	STEEL UNLIMITED INC		2,839.21	04-APR-17	2,839.21	Reconciled
376168		30-MAR-17	STICE COMPANY, INC.		2,848.79	05-APR-17	2,848.79	Reconciled
376169		30-MAR-17	SUEZ TREATMENT SOLUTIONS INC.		328.82	03-APR-17	328.82	Reconciled
376170		30-MAR-17	SUN-STAR ELECTRIC, INC.		43,503.00	07-APR-17	43,503.00	Reconciled
376171		30-MAR-17	SWAINS ELECTRIC MOTOR SERVICE		4,482.20			Negotiable
376172		30-MAR-17	THURNER, ANDREAS		41.58			Negotiable
IRWD Ledger Upgrade BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 17-APR-2017 13:16 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 44 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								
376173		30-MAR-17	TOTAL RESOURCE MANAGEMENT, INC.		31,950.00	06-APR-17	31,950.00	Reconciled
376174		30-MAR-17	TRIPAC MARKETING INC		2,283.99	04-APR-17	2,283.99	Reconciled
376175		30-MAR-17	TRUCPARCO		330.38	10-APR-17	330.38	Reconciled
376176		30-MAR-17	TYCO INTEGRATED SECURITY, LLC		2,793.41	04-APR-17	2,793.41	Reconciled
376177		30-MAR-17	U.S. HEALTHWORKS MEDICAL GROUP, P.C.		395.00	03-APR-17	395.00	Reconciled
376178		30-MAR-17	UNITED PARCEL SERVICE INC		37.39	05-APR-17	37.39	Reconciled
376179		30-MAR-17	UNITED WATER WORKS, INC.		4,089.76	04-APR-17	4,089.76	Reconciled
376180		30-MAR-17	USA BLUEBOOK		391.85	04-APR-17	391.85	Reconciled
376181		30-MAR-17	VERIZON WIRELESS SERVICES LLC		7,407.14	05-APR-17	7,407.14	Reconciled
376182		30-MAR-17	VRIDE INC		11,685.00	10-APR-17	11,685.00	Reconciled
376183		30-MAR-17	VULCAN MATERIALS COMPANY		1,452.70	03-APR-17	1,452.70	Reconciled
376184		30-MAR-17	W DESIGN ASSOCIATES INC		2,600.00	03-APR-17	2,600.00	Reconciled
376185		30-MAR-17	WALTERS WHOLESale ELECTRIC		1,253.22	03-APR-17	1,253.22	Reconciled
376186		30-MAR-17	WASTE MANAGEMENT OF ORANGE COUNTY		2,032.09	04-APR-17	2,032.09	Reconciled
376187		30-MAR-17	WATERLINE TECHNOLOGIES INC		3,737.60	03-APR-17	3,737.60	Reconciled
376188		30-MAR-17	WAXIE'S ENTERPRISES, INC		1,029.54	05-APR-17	1,029.54	Reconciled
376189		30-MAR-17	WEST COAST SAFETY SUPPLY INC		229.73	10-APR-17	229.73	Reconciled

376190	30-MAR-17	WEST COAST SAND & GRAVEL INC.	964.51	04-APR-17	964.51	Reconciled
376191	30-MAR-17	WILMINGTON INSTRUMENT COMPANY INC	7,148.31	04-APR-17	7,148.31	Reconciled
376192	30-MAR-17	YSL, INC	28,510.66	05-APR-17	28,510.66	Reconciled
376193	30-MAR-17	ZEE MEDICAL SERVICE CO	1,447.58	03-APR-17	1,447.58	Reconciled
376194	30-MAR-17	ZHANG, YI	25.99			Negotiable
376195	31-MAR-17	US BANK NAT'L ASSOCIATION NORTH DAKOTA	83,559.61	13-APR-17	83,559.61	Reconciled

IRWD Ledger Upgrade
 BANK: Bank of America N.A. Branch : Los Angeles Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 Bank Account Currency: USD (US Dollar) Account: Checking AP and PR Page: 45
 Payment Type: All Display Supplier Address: No Payment Currency: USD (US Dollar)

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

Payment Document Subtotal: 10,717,806.74 10,650,818.94

Payment Document : IRWD Wire

11947	01-MAR-17	EMPLOYEE BENEFIT SPECIALIST, INC	PAY		20,085.53			Negotiable
11948	01-MAR-17	U.S. BANK NATIONALST. ASSOCIATION		LOUIS	8,835.82			Negotiable
11949	01-MAR-17	YORK INSURANCE SERVICES GROUP INC	PAY		7,469.92			Negotiable
11950	01-MAR-17	YORK INSURANCE SERVICES GROUP INC	PAY		8,677.33			Negotiable
11951	01-MAR-17	YORK INSURANCE SERVICES GROUP INC	PAY		13,091.74			Negotiable
11952	03-MAR-17	MUNICIPAL WATER DISTRICT OF ORANGEVALLEY COUNTY		FOUNTAIN	764,901.07			Negotiable
11953	03-MAR-17	MUNICIPAL WATER DISTRICT OF ORANGEVALLEY COUNTY		FOUNTAIN	150,282.00			Negotiable
11954	03-MAR-17	INTERNAL REVENUE SERVICE		FRESNO	195,502.07			Negotiable
11955	03-MAR-17	FRANCHISE TAX BOARD		SACRAMENTO	54,218.16			Negotiable
11956	03-MAR-17	EMPLOYMENT DEVELOPMENT DEPARTMENT		W SACRAMENTO	11,721.53			Negotiable
11957	03-MAR-17	ORDONEZ, CYNTHIA MARIE		DESERT HOT SPR	500.77			Negotiable
11958	03-MAR-17	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES		SACRAMENTO	2,312.75			Negotiable
11959	03-MAR-17	EMPLOYEE BENEFIT SPECIALIST, INC	PAY		11,723.74			Negotiable
11960	03-MAR-17	GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY		DENVER	114,848.82			Negotiable
11961	07-MAR-17	YORK INSURANCE SERVICES GROUP INC	PAY		2,490.17			Negotiable

IRWD Ledger Upgrade
 BANK: Bank of America N.A. Branch : Los Angeles Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 Bank Account Currency: USD (US Dollar) Account: Checking AP and PR Page: 46
 Payment Type: All Display Supplier Address: No Payment Currency: USD (US Dollar)

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

11962	07-MAR-17	CALPERS		SACRAMENTO	459,143.63			Negotiable
11963	07-MAR-17	FILANC-BALFOUR BEATTY JV		ACT 4427724347	2,555,302.64			Negotiable
11964	07-MAR-17	CITIGROUP GLOBAL MARKETS INC.		NEW YORK	171,068.58			Negotiable
11965	15-MAR-17	U.S. BANK NATIONALST. ASSOCIATION		LOUIS	8,568.76			Negotiable
11966	17-MAR-17	FILANC-BALFOUR BEATTY JV		ACT 4427724347	1,881,995.28			Negotiable
11967	20-MAR-17	YORK INSURANCE SERVICES GROUP INC	PAY		9,005.06			Negotiable
11968	21-MAR-17	INTERNAL REVENUE SERVICE		FRESNO	191,627.15			Negotiable
11969	21-MAR-17	FRANCHISE TAX		SACRAMENTO	52,434.61			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
11970	21-MAR-17	BOARD EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO		11,784.08			Negotiable
11971	21-MAR-17	ORDONEZ, CYNTHIA MARIE	DESERT HOT SPR SACRAMENTO		500.77			Negotiable
11972	21-MAR-17	CALIFORNIA DEPARTMENT OF CHILDD SUPPORT SERVICES	SACRAMENTO		2,312.75			Negotiable
11973	21-MAR-17	EMPLOYEE BENEFIT SPECIALIST, INC	PAY DENVER		12,307.08			Negotiable
11974	21-MAR-17	GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY	DENVER		117,297.00			Negotiable
11975	22-MAR-17	FLOWERS, TAMARA	PAY		18.95			Negotiable
11976	22-MAR-17	SLOAN, TOMMY	PAY		10.00			Negotiable
11977	22-MAR-17	DIMAANO, CAROL	PAY		20.74			Negotiable
11978	23-MAR-17	EMPLOYEE BENEFIT SPECIALIST, INC	PAY		8,288.14			Negotiable
11979	28-MAR-17	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK		8,260.52			Negotiable
11980	28-MAR-17	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK		5,507.01			Negotiable
11981	28-MAR-17	GOLDMAN, SACHS & CO	PO BOX 9081 CINCINNATI		64,425.00			Negotiable
11982	28-MAR-17	FIDELITY INVESTMENTS	CINCINNATI		11,000,000.00			Negotiable

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 47
 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								
11983	28-MAR-17	MORGAN STANLEY & CO LLC	SAN FRANCISCO		42,950.00			Negotiable
11984	28-MAR-17	MUNICIPAL WATER DISTRICT OF ORANGEVALLEY COUNTY	FOUNTAIN		372,184.56			Negotiable
11985	28-MAR-17	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK		7,418,124.63			Negotiable
11986	28-MAR-17	MERRILL LYNCH CAPITAL SERVICES, INC	CHARLOTTE		758,113.99			Negotiable
11987	28-MAR-17	CITIGROUP GLOBAL MARKETS INC.	NEW YORK		758,113.99			Negotiable
11988	28-MAR-17	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK		33,748.11			Negotiable
11989	28-MAR-17	SUMITOMO MITSUI BANKING CORPORATION	NEW YORK		23,823.29			Negotiable
11990	29-MAR-17	U.S. BANK NATIONALST. ASSOCIATION	LOUIS		11,598.60			Negotiable
11991	29-MAR-17	SUMITOMO MITSUI BANKING CORPORATION	NEW YORK		4,784.55			Negotiable
11992	29-MAR-17	U.S. BANK NATIONALST. ASSOCIATION	LOUIS		22,345.85			Negotiable
11993	29-MAR-17	BANK OF AMERICA	SAN FRANCISCO		22,003.42			Negotiable
11994	30-MAR-17	FORESITE ESCROW, INC.	BARDEEN PT/PVID		1,246,524.00			Negotiable
11995	30-MAR-17	FORESITE ESCROW, INC.	BARDEEN PT/PVID		12,711,611.00			Negotiable
11996	30-MAR-17	FORESITE ESCROW, INC.	BARDEEN PT/PVID		10,701,038.00			Negotiable
11997	30-MAR-17	FORESITE ESCROW, INC.	BARDEEN PT/PVID		2,502,804.85			Negotiable
11998	30-MAR-17	FORESITE ESCROW, INC.	BARDEEN PT/PVID		6,359,203.18			Negotiable
11999	30-MAR-17	GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY	DENVER		116.11			Negotiable
12000	30-MAR-17	INTERNAL REVENUE SERVICE	FRESNO		192,360.56			Negotiable
12001	30-MAR-17	FRANCHISE TAX BOARD	SACRAMENTO		52,033.77			Negotiable

IRWD Ledger Upgrade Payment Register For 01-MAR-17 To 31-MAR-17 Report Date: 17-APR-2017 13:16
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 48
 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 Wire

12002	30-MAR-17	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	11,740.68	Negotiable
12003	30-MAR-17	ORDONEZ, CYNTHIA MARIE	DESERT HOT SPR	500.77	Negotiable
12004	30-MAR-17	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,312.75	Negotiable
12005	30-MAR-17	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	11,723.74	Negotiable
12006	30-MAR-17	GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY	DENVER	117,962.19	Negotiable
12007	31-MAR-17	U.S. BANK NATIONALST. LOUIS ASSOCIATION		2,918,625.00	Negotiable

Payment Document Subtotal: 64,222,886.76

Bank Account Subtotal : 74,940,693.50 10,650,818.94

Report Count : 1182 Report Total: 74,940,693.50 10,650,818.94

Total Disbursement

*** End of Report ***


\$ 74,940,693.50 Disbursement
 <238.68> Voids
 \$ 74,940,454.82 Total Voids and Disbursements

Exhibit "E"

IRWD Gov Code 53065.5 Disclosure Report

Payment or Reimbursements for Individual charges of \$100 or more per transaction for services or product received
01-MAR-17 to 31-MAR-17

NAME	CHECK NO.	CHECK DATE	AMOUNT	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Bennett, Ray	375419	9-Mar-17	163.71	Mileage	Progress Meeting at Rosedale & Tour Construction of DRP Project - Februar
Bennett, Ray	375419	9-Mar-17	163.71	Mileage	Progress Meeting at Rosedale & Tour Construction of DRP Project - Marcl
Compton, Christine	375423	9-Mar-17	380.37	Membership Renewal	Califronia State Bar renewal fee
Degortari, Enrique (Henry)	375746	16-Mar-17	300.00	Certification Renewal	SWRCB Wastewater Treatment Plant Operator Grade III
Dillman, Tyler	375424	9-Mar-17	158.00	Certification Renewal	SWRCB Water Distribution Grade 2
Duffert, Dominic	375747	16-Mar-17	172.00	Membership Renewal	CWEA Membership
Ellison, Kristopher	375427	9-Mar-17	340.00	Certification Renewal	SWRCB Wastewater Treatment Plant Operator Grade V
Escalante, Alexander	375967	23-Mar-17	780.00	Certification and Exam Fee	SWRCB Wastewater Treatment Plant Operator Grade V
Fites, Michael	375429	9-Mar-17	170.00	Certification Renewal	SWRCB Wastewater Treatment Plant Operator In Training
Fites, Michael	375968	23-Mar-17	170.00	Certification Renewal	SWRCB Wastewater Treatment Plant Operator Grade I
Garcia, Alex	375748	16-Mar-17	172.00	Membership Renewal	CWEA Membership
Hayden, Dave	375432	9-Mar-17	100.00	Other(Misc)	SARBS Annual Awards Banquet and Board Meeting Event
Hoffman, Mike	375434	9-Mar-17	109.83	Other(Misc)	Safety Shoe Allowance
Justice, Jack	376052	30-Mar-17	172.00	Membership Renewal	CWEA Membership
Kanoff, Debbie	375162	2-Mar-17	110.00	Other(Misc)	Meeting supplies
Kanoff, Debbie	375162	2-Mar-17	110.00	Other(Misc)	Meeting supplies
LaMar, Steven	375970	23-Mar-17	171.64	Lodging	ACWA AG Initiative Advisory Group Meeting, Sacramento, CA - Feb. 2, 2017
Lao, Richard	375436	9-Mar-17	246.81	Lodging	19th Annual CalCUPA Training Conf., San Diego, CA - Feb. 5, 2017
Lao, Richard	375436	9-Mar-17	246.81	Lodging	19th Annual CalCUPA Training Conf., San Diego, CA - Feb. 6, 2017
Lao, Richard	375436	9-Mar-17	246.81	Lodging	19th Annual CalCUPA Training Conf., San Diego, CA - Feb. 7, 2017
Lao, Richard	375436	9-Mar-17	246.81	Lodging	19th Annual CalCUPA Training Conf., San Diego, CA - Feb. 8, 2017
Lynch, Toni Marie	375749	16-Mar-17	105.00	MembershipRenewal	ASCE Membership
Marcacci, Mark	376053	30-Mar-17	253.56	Lodging	WaterReuse Annual Conference, San Diego, CA - Mar. 20, 2017
Matheis, Mary Aileen	375750	16-Mar-17	178.90	Lodging	Urban Water Institute Spring Water Conference, Palm Springs, CA - Feb. 8, 2017
McGehee, Joe	375972	23-Mar-17	115.00	Membership Renewal	Professional Engineers and Land Surveyors license renewa
Morabito, Chadd	376054	30-Mar-17	199.33	Other(Misc)	Safety Shoe Allowance
Nicholson, Darin	375442	9-Mar-17	230.00	Certification Renewal	CWEA Electrical/Instrumentation Grade II
Oldewage, Lars	375165	2-Mar-17	262.00	Membership Renewal	AWWA Annual Membership
Oldewage, Lars	375751	16-Mar-17	190.00	Registration Fees	PITTCON 2017 Conference & Exposition, Chicago, IL - Mar. 5-9, 2017
Oldewage, Lars	375751	16-Mar-17	422.88	Airfare	PITTCON 2017 Conference & Exposition, Chicago, IL - Mar. 5-9, 2017
Oldewage, Lars	375751	16-Mar-17	180.80	Lodging	PITTCON 2017 Conference & Exposition, Chicago, IL - Mar. 5, 2017
Oldewage, Lars	375751	16-Mar-17	180.80	Lodging	PITTCON 2017 Conference & Exposition, Chicago, IL - Mar. 6, 2017
Oldewage, Lars	375751	16-Mar-17	180.80	Lodging	PITTCON 2017 Conference & Exposition, Chicago, IL - Mar. 7, 2017
Oldewage, Lars	375751	16-Mar-17	180.80	Lodging	PITTCON 2017 Conference & Exposition, Chicago, IL - Mar. 8, 2017
Oldewage, Lars	375751	16-Mar-17	180.80	Lodging	PITTCON 2017 Conference & Exposition, Chicago, IL - Mar. 9, 2017
Oldewage, Lars	375751	16-Mar-17	120.00	Parking Fee	John Wayne Airport Overnight parking for 5 nights, PITTCON 2017 Conf. & Expo, Chicago,
Pan, Jenny	375444	9-Mar-17	125.88	Other(Misc)	Meeting supplies
Reinhart, Douglas	375754	16-Mar-17	117.70	Lodging	Urban Water Institute Conf., Palm Springs, CA - Feb. 8, 2017
Sanchez, George	375445	9-Mar-17	120.00	Certification Renewal	SWRCB Water Distribution Operator Grade III
Sarabia, Mark	376056	30-Mar-17	200.00	Other(Misc)	Safety Shoe Allowance
Silva, Jose	375755	16-Mar-17	172.00	Membership Renewal	CWEA Membership
Swan, Peer	375756	16-Mar-17	583.96	Airfare	Colorado River Water Users Assoc. Annual Conf., Las Vegas, NV - Dec. 14-16, 2016
Swan, Peer	375756	16-Mar-17	169.12	Lodging	colorado River Water Users Assoc. Annual Conf., Las Vegas, NV - Dec. 15, 2016
Tran, Jason	375659	15-Mar-17	172.00	Membership Renewal	CWEA Membership
Tran, Jason	375167	15-Mar-17	172.00	Membership Renewal	CWEA Membership
Tran, Jason	375167	2-Mar-17	172.00	Membership Renewal	CWEA Membership
Van Deusen, Scott	375448	9-Mar-17	120.00	Certification Renewal	SWRCB Water Distribuion Operator Grade I
Zaragoza, Anthony	376059	30-Mar-17	193.86	Other(Misc)	Safety Shoe Allowance
Total Amount:			\$10,029.69		

April 24, 2017
Prepared and
submitted by: C. Compton
Approved by: Paul Cook 

CONSENT CALENDAR

2017 LEGISLATIVE UPDATE

SUMMARY:

This report provides an update on the 2017-2018 legislative session and IRWD priorities. As legislation develops, staff will provide updates and recommendations to the Water Resources Policy and Communications Committee and the Board, as appropriate.

Staff recommends that the Board consider the following actions/positions:

- *SB 252 (Dodd, D-Napa): Water Wells* — “SEEK AMENDMENTS” and authorize the District to move to an “OPPOSE UNLESS AMENDED” position should suitable amendments not be obtained; and
- *“Water Conservation as a California Way of Life” Budget Trailer Bill*— “OPPOSE” and authorize the District to move to an “OPPOSE” position on other legislative proposals inconsistent with the approach outlined in AB 968 (Rubio, D-West Covina) and AB 1654 (Rubio).

BACKGROUND:

Over the last few weeks, many of the spot bills, which were introduced, have been amended as their authors seek to have the bills heard in the appropriate policy committee. This year, the last day for policy committees to hear fiscal bills is April 28, while May 12 is the policy committee deadline for non-fiscal bills. The last day for fiscal committees to meet and act on bills introduced in their house is May 26.

As authors have moved their bills forward, they have had to keep in mind the Legislative Spring Recess. This year, the Legislature recessed for the spring break on April 6. It reconvened on April 17.

A copy of the 2017 Legislative Matrix is attached as Exhibit “A”. Exhibit “B” is the 2017 Legislative Update Report Links to Bill Texts, which contains links to the bills discussed below, unless a separate exhibit is noted.

State Budget Update:

March State Revenue Numbers Released:

Given the political implications that State revenues and the State’s fiscal outlook can have on local government, staff continues to monitor the State’s revenue and budget situation. During the month of March, the State received revenues of \$6.52 billion, which were \$772.7 million less than the budget projects contained in Governor’s proposed Fiscal Year 2017-2018 budget. “For

the first eight months of the 2016-17 fiscal year that began in July, total revenues of \$73.28 billion are \$663.9 million below last summer's budget estimates, and \$888.1 million short of January's revised fiscal year-to-date predictions."

2017 State Legislation and Regulatory Actions:

SB 252 (Dodd, D-Napa)- Water Wells:

SB 252, authored by Senator Bill Dodd (D-Napa), would require a city or county overlying a critically overdrafted groundwater basin to establish a well permitting process for new groundwater wells. Specifically, the bill would require that certain information about the well, as outlined below, be provided to the city or county as part of the permitting process, and that a public notice, comment period and public hearing be held prior to the city or county issuing a well permit.

Under SB 252, an applicant for a new well permit in a critically overdrafted basin would be required to:

- Verify that the applicant understands, and has informed its lenders, that the extraction of groundwater from the well may not be used as evidence of or in defense against any claim of prescription in the groundwater basin between January 1, 2015, and the date a groundwater sustainability plan has been adopted for the basin;
- Agree that if the basin's groundwater sustainability agency finds that the new well contributes to an undesirable result that the applicant will cease production of groundwater from the well unless it contributes to an offset or takes another course of action as determined by the groundwater sustainability agency;
- Notify all adjacent landowners of the application for the well permit, where the application can be reviewed, the details of the public hearing and of the opportunity to provide public comment on the application;
- Include all of the following information about the new well in the application:
 - A map of the location, as well as information including, but not limited to, the global positioning system coordinates and elevation of the proposed well;
 - The proposed well depth;
 - The proposed well's capacity, estimated pumping rate, anticipated pumping schedule, and estimated annual extraction volume;
 - The geologic siting information, including, but not limited to, water table depth, seasonal fluctuations, recharge area and rate, if known, and location to the flood plain;
 - The distance from structures onsite and on adjacent properties;
 - Distance of the well from ponds, lakes, streams, and wetlands;

- Any existing wells on the property, including well use, depth, diameter, screen interval, pumping rate, estimated or measured annual extraction volume, and, if available, information on specific capacity or other pumping tests completed;
- For a well below Corcoran clay, the location of infrastructure sensitive to subsidence within two miles, including, but not limited to, canals, ditches, pipelines, utility corridors, and roads;
- The estimated cumulative extraction volume before January 1, 2020, and after a period of 20 years;
- The size in acres of the area to be served by the well and the size in acres of the contiguous owned property on which the well is located; and
- The planned category of water use, such as irrigation, stock, domestic, municipal, industrial, or other.

SB 252 would be applicable to the 21 critically overdrafted groundwater basin in California. The Kern County sub-basin of the San Joaquin Valley Groundwater Basin, the basin in which IRWD's water banking facilities are located, is one of the 21 critically overdrafted basin. If SB 252 were enacted, the cities and counties in the Kern County sub-basin would be required to follow the new well permitting process outlined in SB 252.

Currently, IRWD is required to obtain a well permit for the wells it proposes to drill in Kern County. Additionally, the District complies with the requirements of the California Environmental Quality Act (CEQA) and has completed an Environmental Impact Report for its water banking operations. The CEQA process requires the District to evaluate the information required by SB 252, among other things, and requires that adjacent landowners, interested parties, public agencies, and the general public be notified and provided an opportunity to comment on the CEQA document prior to the document being approved at a public hearing.

SB 252 would require the District to complete a second evaluation and undergo a second public notice, comment period and public hearing for any new wells associated with its water banking activities. As a result, staff has sought an amendment to SB 252, which would eliminate the need for water banking and conjunctive use projects to duplicate the analysis, information and public review processes already in place for such projects. As of the writing of this report, an amendment to this effect has not yet been obtained.

Staff recommends that the Board adopt a "seek amendments" position on the bill, and authorize the District to move to an "oppose unless amended" position should suitable amendments not be obtained.

Long-Term Water-Use Efficiency Framework:

Since the beginning of the year staff has continued to work with various stakeholders and the Association of California Water Agencies (ACWA) on the long-term water use efficiency framework. Because legislation will be needed to implement significant portions of the long-term water use efficiency framework, the ACWA State Legislative Committee developed a working group on the framework, which was assigned the task of drafting legislative language to

implemented framework as supported by ACWA and the 113 signatories of the December 19 coalition letter.

As reported to the Board last month, AB 968 and AB 1654, authored by Assemblymember Blanca Rubio (D-West Covina) and co-sponsored by the Sacramento Regional Water Authority and IRWD, are the two legislative vehicles for the long-term water use efficiency framework language developed by ACWA. AB 968 seeks to implement portions of the framework related to establishing water use efficiency targets for 2025, and AB 1654 seeks to implement the portions of the framework related to drought planning, Urban Water Management Plans and Water Shortage Contingency Plans. Both bills have been referred to the Assembly Water, Parks and Wildlife Committee and are expected to be heard on April 25.

In addition to the two bill discussed above, there are also several other bills that may be vehicles for legislation related to the long-term water use efficiency framework. Those bills are AB 869 (Rubio, D-West Covina), AB 1041 (Levine, D-Santa Rosa), AB 1323 (Weber, D-San Diego), AB 1668 (Friedman, D-Burbank), and AB 1669 (Friedman, D-Burbank). These will have also been referred to the Assembly Water, Parks and Wildlife Committee and are expected to be heard on April 25.

Additionally, on April 7, 2017, the Administration released the final report on “Making Water Conservation a Way of Life in California” and released budget trailer bill language seeking to implement the framework in the final report. While the framework is similar to the draft framework proposed and commented on by the coalition of water agencies in December, the report and budget trailer bill go farther than the December draft and seek to give full authority to the State Water Resources Control to establish water use efficiency targets for urban water suppliers along with the ability to enforce those targets, amongst other times. This approach is the opposite of what the District has advocated for in AB 968 and AB 1654. As a result, staff recommends that the Board adopt an “oppose” position on the budget trailer bill and authorize the District to move to an “oppose” position on other legislative proposals inconsistent with the approach outlined in AB 968 (Rubio, D-West Covina) and AB 1654 (Rubio), if appropriate.

Staff continues to engage on the long-term water use efficiency framework and will provide an update on its efforts related to the long-term water use efficiency framework and the ongoing discussions taking place within the State Capitol regard the framework as new developments occur.

A copy of the final report on “Making Water Conservation a Way of Life in California” can be viewed at http://www.water.ca.gov/wateruseefficiency/conservation/docs/20170407_EO_B-37-16_Final_Report.pdf.

Proposition 218 Reform Efforts:

Since *Capistrano Taxpayers Association, Inc. v. City of San Juan Capistrano*, there has been significant discussion in Sacramento regarding Proposition 218 and tiered water rates. Most recently, Senator Bob Hertzberg (D-Van Nuys) has introduced SCA 4, a constitutional amendment, which is sponsored by ACWA and meant to put forth a constitutional amendment related to lifeline and tiered water rates.

Over the last month, ACWA has continued to work to develop language for SCA 4 and those efforts are ongoing. Additionally, discussions between ACWA and Senator Hertzberg's office are ongoing. Staff will provide an oral update on any new developments related to these discussion and SCA 4.

As in the past, IRWD will continue to communicate the District's concern over any water rate legislation which is not consistent with the California Constitution, not voluntary in nature, or that does not provide sufficient clarity or flexibility to water agencies. Staff will also continue to work with interested parties on issues related to tiered water rates.

Public Goods Charge for Water:

Discussions surrounding the implementation of a public goods charge for water have resurfaced. Building off of the Administration's and the environmental justice community's interests in such a fee, Senator Bill Monning (D- San Luis Obispo) and Senator Bob Hertzberg have authored SB 623 and SB 778, respectively.

SB 623 would establish the Safe and Affordable Drinking Water Fund in the State Treasury. Additionally, SB 623 would provide that moneys in the fund are continuously appropriated to the State Water Resources Control Board for grants, loans, contracts, or services to assist those without access to safe and affordable drinking water consistent with a fund implementation plan to be adopted annually by the State Board. SB 778 would create the Safe Drinking Water Fund in the State Treasury, and would continuously appropriate moneys in the fund for the purposes of contracting with an administrator to provide administrative and managerial services to designated public water systems. The bill would also order the designated public water system to accept the administrative and managerial services.

While neither SB 623 nor SB 778 proposed a public goods charge on water, as currently drafted, both authors have indicated their interest in enacting a public goods charge on water. If legislation proposing a public goods charge for water moves forward during the current legislative year, staff will advocate on behalf of the District using the following Board-adopted policy, which was included in the August 1, 2013, Water Resources Funding Policy Principles:

"A statewide user fee should not be imposed. A "user fee" or "beneficiary pays" program should never be a statewide program. If such a fee is necessary, it should only be regionally administered, collected and distributed. Any such fee should be equitably and proportionally based on the project benefits derived by those who are subject to the fee, and "beneficiary" must be clearly defined to ensure a clear legal nexus between financial responsibility and benefits.

- If a statewide water fee or public goods charge is established, it should include an exemption for water providers that have implemented a rate structure that provides a method for collecting revenue dedicated to water conservation projects such as IRWD's allocation-based conservation rate structure.

- If a statewide fee is established, the challenges local water providers face in setting rates, including Proposition 218 requirements, should be taken into account.”

Staff will continue to update the Board on any developments related to a public goods charge for water.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Policy and Communications Committee on April 11, 2017.

RECOMMENDATION:

THAT THE BOARD ADOPT A “SEEK AMENDMENTS” POSITION ON SB 525 (DODD) AND AUTHORIZE THE DISTRICT TO MOVE TO AN “OPPOSE UNLESS AMENDED” POSITION ON THE BILL SHOULD SUITABLE AMENDMENTS NOT BE OBTAINED, AND ADOPT AN “OPPOSE” POSITION ON THE BUDGET TRAILER BILL RELATED “WATER CONSERVATION AS A CALIFORNIA WAY OF LIFE” AND AUTHORIZE THE DISTRICT TO MOVE TO AN “OPPOSE” POSITION ON OTHER LEGISLATIVE PROPOSALS INCONSISTENT WITH THE APPROACH OUTLINED IN AB 968 (RUBIO, D-WEST COVINA) AND AB 1654 (RUBIO).

LIST OF EXHIBITS:

Exhibit “A” – IRWD Legislative Matrix
Exhibit “B” – 2017 Legislative Update Report Links to Bill Texts

EXHIBIT "A"
IRWD 2016 LEGISLATIVE MATRIX
Updated 04/04/2017

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
AB 18 Garcia E (D)	Clean Water, Climate, and Coastal Protection Act		Enacts the California Clean Water, Climate, Coastal Protection and Outdoor Access For All Act, which would authorize the issuance of bonds to finance a clean water, climate, and coastal protection and outdoor access for all program. Provides for the submission of these provisions to the voters at the statewide direct primary election.	03/20/2017 - In ASSEMBLY. Read third time, urgency clause adopted. Passed ASSEMBLY. *****To SENATE.
AB 52 Cooper (D)	Public Employee: Orientation And Informational Programs		Requires the public employers regulated by specified acts to provide all employees an orientation and to permit an exclusive representative to participate.	01/19/2017 - To ASSEMBLY Committee on PUBLIC EMPLOYEES, RETIREMENT AND SOCIAL SECURITY.
AB 151 Burke (D)	California Global Warming Solutions Act of 2006		Amends the Global Warming Solutions Act of 2006. Requires the air resources board to prepare and approve a scoping plan for achieving the maximum technologically feasible and cost-effective reductions in greenhouse gas emissions and to update the scoping plan. Requires the state board to report to the Legislature on the need for increased education, career technical education, job training, and workforce development in ensuring that statewide greenhouse gas emissions are reduced by a specified level.	03/02/2017 - To ASSEMBLY Committee on NATURAL RESOURCES.;03/02/2017 - From ASSEMBLY Committee on NATURAL RESOURCES with author's amendments.;03/02/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
AB 161 Levine (D)	Department of Finance: Infrastructure Investment		Authorizes the Department of Finance to identify infrastructure projects in the state for which the department will guarantee a rate of return on investment for an investment made in that infrastructure project by the Public Employees' Retirement System.	03/29/2017 - From ASSEMBLY Committee on PUBLIC EMPLOYEES, RETIREMENT AND SOCIAL SECURITY: Do pass to Committee on APPROPRIATIONS.
AB 166 Salas (D)	Safe Drinking Water: Household Filtration Systems		Requires the State Water Resources Control Board to conduct a study on the feasibility and financial stability of a rebate program that would provide a household that is served by a water system that does not meet primary drinking water standards with a rebate for the purchase of a household water filtration system.	03/23/2017 - To ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.;03/23/2017 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS with author's amendments.;03/23/2017 - In

IRWD 2016 LEGISLATIVE MATRIX
Updated 04/04/2017

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
				ASSEMBLY. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
AB 176 Salas (D)	Water Project: Friant-Kern Canal		Appropriates a specified sum from the General Fund for the Reverse Flow Pump-back Facilities on the Friant-Kern Canal Restoration Project. Makes legislative findings and declarations as to the necessity of a special statute for the Friant-Kern Canal.	03/30/2017 - In ASSEMBLY. Coauthors revised.
AB 196 Bigelow (R)	Greenhouse Gas Reduction Fund: Water Supply		Amends the Global Warming Solutions Act, which creates the Greenhouse Gas Reduction Fund and authorizes specified investments, including water use and supply. Authorizes the use of the moneys in the fund for electric pump efficiency, water and wastewater systems, pump and pump motor efficiency improvements, and drinking water transmission and distribution systems' water loss if the investment furthers the regulatory purposes of the act and is consistent with law.	03/21/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Do pass to Committee on NATURAL RESOURCES.
AB 241 Dababneh (D)	Personal Information: Privacy: State and Local Breach		Relates to state and local breaches of privacy. Requires a state or local agency, if it was the source of a computer breach of information, to provide appropriate identity theft prevention and mitigation services at no cost to a person whose personal information, including social security number, driver license or identification card number.	03/14/2017 - From ASSEMBLY Committee on PRIVACY AND CONSUMER PROTECTION: Do pass to Assembly Committee on APPROPRIATIONS.
AB 277 Mathis (R)	Water and Wastewater Loan and Grant Program		Authorize the State Water Resources Control Board to establish the Water and Wastewater Loan and Grant Program to provide funding to eligible applicants for specified purposes relating to drinking water and wastewater treatment. Authorizes a county or qualified nonprofit organization to apply to the board for a grant to award loans or grants, or both, to an eligible applicant. Authorizes the board to use a specified funding source.	03/27/2017 - From ASSEMBLY Committee on APPROPRIATIONS with author's amendments.;03/27/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.

IRWD 2016 LEGISLATIVE MATRIX
Updated 04/04/2017

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
AB 305 Arambula (D)	School Accountability Report Card: Drinking Water		Amends the Classroom Instructional Improvement and Accountability Act to require a specified school accountability report card to include an assessment of the drinking water access points at each school site. Requires the State Department of Education to compile the assessments and transmit them to the State Water Resources Control Board.	02/13/2017 - To ASSEMBLY Committees on EDUCATION and ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
AB 313 Gray (D)	Water		Revises the qualifications for the membership to the State Water Resources Control Board by eliminating specified requirements for qualification in the field of water rights. Transfers authority over water rights matters from the board to the Department of Water Resources.	02/21/2017 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
AB 321 Mathis (R)	Groundwater Sustainability Plans		Requires a groundwater sustainability agency to solicit the participation of farmers, ranchers, and other qualified professionals within a groundwater basin prior to and during the development and implementation of a specified plan.	02/21/2017 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
AB 408 Chen (R)	Eminent Domain: Final Offer of Compensation		Provides that if a court finds, that the offer of the plaintiff was a certain percentage of the compensation awarded in the eminent domain proceeding, then the court would be required to include the defendant's litigation costs in the costs allowed.	03/20/2017 - From ASSEMBLY Committee on JUDICIARY without further action pursuant to JR 62(a).
AB 429 Grayson (D)	State Water Policy: Water Rights: Use/Transferability		Makes nonsubstantive changes to existing law concerning water policy, water use, rights and transferability of those rights.	02/13/2017 - INTRODUCED.
AB 472 Frazier (D)	Water Transfers: Idled Agricultural Land: Wildlife		Requires the Department of Water Resources to allow nonirrigated cover crops or natural vegetation to remain on idled agricultural lands without penalty to the landowner, unless it is determined that it causes injury to another legal user of water. Requires the Department to establish an incentive program for landowners who cultivate or retain nonirrigated cover crops or natural vegetation on idled agricultural lands to provide waterfowl, upland game bird, and other wildlife habitat.	04/04/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Do pass to Committee on APPROPRIATIONS.

IRWD 2016 LEGISLATIVE MATRIX
Updated 04/04/2017

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
AB 474 Garcia E (D)	Hazardous Waste: Spent Brine Solutions		Exempts spent brine solutions that are byproducts of the treatment of groundwater to meet California drinking water standards from Hazardous Waste Control Law requirements if certain conditions are met, including that the spent brine solutions are transferred for dewatering via a closed piping system to lined surface impoundments regulated by the California regional water quality control boards.	03/21/2017 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS: Do pass to Committee on APPROPRIATIONS.
AB 494 Bloom (D)	Land Use: Accessory Dwelling Units		Amends the Planning and Zoning Law to provide that an accessory dwelling unit may be rented separately from the primary residence. Requires that parking requirements for accessory dwelling units not exceed a certain number. Removes the prohibition on specified offstreet parking where that parking is not allowed anywhere else in the jurisdiction.	03/28/2017 - From ASSEMBLY Committee on HOUSING AND COMMUNITY DEVELOPMENT with author's amendments.;03/28/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on HOUSING AND COMMUNITY DEVELOPMENT.
AB 524 Bigelow (R)	Personal Income Tax: Deduction: Remove Dead/Dying Trees		Allows a personal income tax deduction for expenses paid or incurred by a taxpayer in the taxable year in connection with the removal of a dead or dying tree on real property owned by the taxpayer.	04/03/2017 - From ASSEMBLY Committee on REVENUE AND TAXATION: Do pass as amended to Committee on APPROPRIATIONS.
AB 530 Cooper (D)	Local Public Employee Labor Relations		Makes nonsubstantive changes to provisions of the Meyers-Milias-Brown Act, which authorizes local public employees to join activities of employee organizations of their own choosing to represent themselves on matters of employer-employee relations.	04/03/2017 - To ASSEMBLY Committee on PUBLIC EMPLOYEES, RETIREMENT AND SOCIAL SECURITY.
AB 551 Levine (D)	Political Reform Act of 1974: Postemployment		Amends the Political Reform Act, which prohibits certain elected officials from acting as agents or attorneys for certain persons, and which excludes from that prohibition certain appearances and communications. Removes the exclusion, thereby making an appearance or communication on behalf of an individual's agency subject to a specified one-year prohibition.	03/13/2017 - From ASSEMBLY Committee on ELECTIONS AND REDISTRICTING with author's amendments.;03/13/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on ELECTIONS AND REDISTRICTING.

IRWD 2016 LEGISLATIVE MATRIX
Updated 04/04/2017

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
AB 554 Cunningham (R)	Desalination: Statewide Goal		Relates to desalination projects and opportunities for state assistance and funding. Establishes a goal to desalinate a specified acre-feet of drinking water per year.	03/27/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
AB 567 Quirk-Silva (D)	School Facilities: Drinking Water Fountains		Requires a school district to ensure that every drinking water fountain at each school under its jurisdiction is equipped with both a water fountain and a spigot, or a combination water fountain and spigot, for filling water bottles.	03/14/2017 - From ASSEMBLY Committee on EDUCATION with author's amendments.;03/14/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on EDUCATION.
AB 574 Quirk (D)	Potable Reuse	SUPPORT	Requires the State Water Resources Control Board to adopt uniform water recycling criteria for potable reuse through raw water augmentation.	03/23/2017 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS with author's amendments.;03/23/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
AB 577 Caballero (D)	Disadvantaged Communities		Amends existing law which defines a disadvantaged community as a community with an annual median household income that is less than a certain percentage of the statewide annual median household income for various purposes, that include, but are not limited to, the Water Quality, Supply, and Infrastructure Improvement Act of 2014. Expands the definition of disadvantaged community.	03/09/2017 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS with author's amendments.;03/09/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
AB 594 Irwin (D)	Water Supply Planning: Photovoltaic Energy Facility		Amends existing law which requires a city or county that determines that a project is subject to the California Environmental Quality Act to identify any public water system that may supply water for the project and to request those public water systems to prepare a specified water supply assessment.	02/27/2017 - To ASSEMBLY Committees on WATER, PARKS AND WILDLIFE and LOCAL GOVERNMENT.
AB 672	Utility Services		Amends existing law which authorizes an electrical, gas, or water corporation, or any electrical, gas, or water system operated by a	03/02/2017 - To ASSEMBLY Committee on JUDICIARY.

IRWD 2016 LEGISLATIVE MATRIX
Updated 04/04/2017

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
Jones-Sawyer (D)			public agency, to bring a civil action for damages against any person who commits, authorizes, solicits, aids, abets, or attempts, among other things, the diversion of utility services by any means. Authorizes the prevailing party to recover actual damages, plus the cost of the suit and reasonable attorney's fees.	
<u>AB 732</u> Frazier (D)	Levee Maintenance		Extends indefinitely the operation of the authorization to advance funds to reimburse local agencies under a program for the maintenance or improvement of project or nonproject levees. Repeals certain related provisions.	03/23/2017 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.;03/23/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;03/23/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
<u>AB 791</u> Frazier (D)	Sacramento-San Joaquin Delta: Conveyance Facility	OPPOSE	Relates to the State Water Project and federal Central Valley Project. Require, before a water contractor enters into a contract to pay for these costs, that the lead agency provide the breakdown of costs for each water contractor entering into a contract and what benefits each contractor will receive based on the proportion it has financed of the proposed conveyance project.	03/21/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;03/21/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
<u>AB 792</u> Frazier (D)	Sacramento-San Joaquin Delta Plan: Certification	OPPOSE	Prohibits the Delta Stewardship Council from granting a certification of consistency with the Sacramento-San Joaquin Delta Plan until the State Water Resources Control Board has completed its update of a specified water quality control plan.	03/28/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;03/28/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
<u>AB 793</u> Frazier (D)	Sacramento-San Joaquin Delta: Financing	OPPOSE	States that the maintenance and repair of the Sacramento-San Joaquin Delta are eligible for the same forms of financing as other water collection and treatment infrastructure and would specify the maintenance and repair activities that are eligible are limited to	03/27/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;03/27/2017 - In ASSEMBLY. Read second time and

IRWD 2016 LEGISLATIVE MATRIX
Updated 04/04/2017

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			certain cleanup and abatement-related restoration and conservation activities.	amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
AB 851 Caballero (D)	Local Agency Design-Build Projects		Amends existing law which authorizes a local agency to use the design-build procurement process when contracting for specified public works. Modifies the definition of local agency to include special districts that provide specified types of services, or that operate specified types of facilities. Authorizes the Santa Clara Valley Water District to use the design-build procurement process described above when contracting for the construction of a building or buildings and certain improvements.	03/22/2017 - From ASSEMBLY Committee on LOCAL GOVERNMENT with author's amendments.;03/22/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on LOCAL GOVERNMENT.
AB 869 Rubio (D)	Sustainable Water Use: Recycled Water		Requires recycled water delivered in the service area of an urban retail water supplier or its urban wholesale water supplier for either nonpotable or potable use or that replenishes a groundwater basin and supplements the groundwater supply available to an urban retail water supplier be excluded from the calculation of any urban water use target or reduction in urban per capita water use. States that for these purposes recycled water use is an efficient use of water and would require recycled water use.	03/30/2017 - Re-referred to ASSEMBLY Committees on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS and WATER, PARKS AND WILDLIFE.
AB 884 Levine (D)	Dams and Reservoirs: Inspections		Requires the Department of Water Resources to make annual physical inspections of dams and reservoirs at state expense for the purpose of determining their safety.	03/21/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;03/21/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
AB 891 Garcia E (D)	California Communities Environmental Health Screening		Require the State Air Resources Board to include data from certain local air monitoring studies, including certain data on ozone and diesel particulate matter, in a certain report. Requires funds to be allocated to the board and the office to support the continued collection of this data. Requires the board to add air monitoring	03/21/2017 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS: Do pass to Committee on APPROPRIATIONS.

IRWD 2016 LEGISLATIVE MATRIX
Updated 04/04/2017

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
			stations at additional locations in the California-Mexico border region and to submit a report concerning cross-border pollution.	
AB 898 Frazier (D)	Property Taxation: Revenue Allocation		Reallocates property tax revenue to fire protection services.	04/03/2017 - To ASSEMBLY Committees on LOCAL GOVERNMENT and WATER, PARKS AND WILDLIFE.
AB 947 Gallagher (R)	Fish and Wildlife: Streambed Alteration Agreements		Relates to streambed alteration agreements of the Department of Fish and Wildlife. Defines bank, bed, channel, and river and stream for purposes of provisions requiring certain notification.	04/04/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE: Do pass as amended to Committee on APPROPRIATIONS.
AB 967 Gloria (D)	Human Remains Disposal: Alkaline Hydrolysis		Requires a specified bureau to license and regulate hydrolysis facilities. Enacts requirements applicable to hydrolysis facilities substantially similar to those applicable to crematoria. Requires a local registrar of births or deaths to issue permits for the disposition of hydrolyzed remains.	03/02/2017 - To ASSEMBLY Committee on BUSINESS AND PROFESSIONS.
AB 968 Rubio (D)	Retail Water Use: Water Efficiency Targets	CO- SPONSOR & SUPPORT	Requires the Department of Water Resources to submit a report that states preliminary water efficiency targets for each of the state's hydrologic regions with per capita daily water use targets based on and considering specified factors. Requires the department to consult with a representative task force with members designated by the Department.	03/28/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;03/28/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
AB 975 Friedman (D)	Natural Resources: Wild and Scenic Rivers		Specifies that certain rivers that possess scenic, recreational, fishery, wildlife, historical, cultural, geological, ecological, hydrological, botanical, or other similar values shall be preserved in their free-flowing state, together with their immediate environments, for the benefit and enjoyment of the people of the state.	03/23/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
AB 1000 Friedman (D)	Water Conservation: Certification		Requires the State Energy Resources Conservation and Development Commission to certify innovative water conservation	03/02/2017 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.

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			and water loss detection and control technologies that meet certain criteria.	
AB 1008 McCarty (D)	Employment Discrimination: Prior Criminal History		Provides that it is an unlawful employment practice for an employer to include on any application for employment any question that seeks the disclosure of an applicant's criminal history, to inquire into or consider the conviction history of an applicant until that applicant has received a conditional offer. Sets forth certain requirements for an employer who intends to deny an application solely or in part because of the applicant's prior conviction of a crime.	03/09/2017 - To ASSEMBLY Committee on LABOR AND EMPLOYMENT.
AB 1030 Ting (D)	Energy Storage Systems		Establishes energy policy goals of the state with respect to energy storage. Requires the Public Utility Commission to undertake specified actions with respect to customer- and load-sited energy storage systems in order to achieve those energy policy goals, including a rebate program dedicated to energy storage that carves out a portion of funding for low-income customers and disadvantaged communities.	03/30/2017 - From ASSEMBLY Committee on UTILITIES AND ENERGY with author's amendments.;03/30/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on UTILITIES AND ENERGY.
AB 1041 Levine (D)	Urban Water Suppliers: Urban Water Shortage		Requires an estimate of the minimum water supply available during each of the following 5 years to be based on the driest 5-year historic sequence for the agency's water supply. Requires stages of action to be undertaken by the urban water supplier in response to specified percentage reductions in water supply.	03/06/2017 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
AB 1050 Allen T (R)	Endangered Species Act: Delta Smelt		Requires the Fish and Game Commission to remove the Delta smelt from the endangered species list.	03/28/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;03/28/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.

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<u>AB 1066</u> Aguiar-Curry (D)	Public Works: Definition		Specifies that the term demolition within the definition of public works, with respect to the payment of prevailing wages, includes tree removal.	03/29/2017 - From ASSEMBLY Committee on LABOR AND EMPLOYMENT: Do pass to Committee on APPROPRIATIONS.
<u>AB 1089</u> Mullin (D)	Local Elective Offices: Contribution Limitations		Prohibits a person from making to a candidate for local elective office any a contribution totaling more than a certain amount. Authorizes a county, city, special district, or school district to impose a different limitation.	03/22/2017 - From ASSEMBLY Committee on ELECTIONS AND REDISTRICTING: Do pass to Committee on APPROPRIATIONS.
<u>AB 1132</u> Garcia (D)	Nonvehicular Air Pollution: Order of Abatement		Relates to the emission of air pollutants by stationary sources. Relates to an order for abatement after notice and a hearing. Authorizes the air pollution control officer to issue an order for abatement pending a hearing before the hearing board of the air district. Requires the air pollution control officer to notify the alleged violator of the order.	04/03/2017 - In ASSEMBLY Committee on NATURAL RESOURCES: Not heard.
<u>AB 1133</u> Dahle (R)	California Endangered Species Act		Provides that the California Endangered Species Act (CESA) prohibits the taking of an endangered or threatened species. Authorizes the take of listed species if the take is incidental to an otherwise lawful activity. Provides that a person who obtains a federal enhancement of survival permit requires no further authorization under CESA for that person to take that species as identified in the enhancement of survival permit.	03/06/2017 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
<u>AB 1235</u> Daly (D)	Santa Ana River Conservancy Program		appropriates a specified sum from the General Fund to the conservancy to be expended for the purposes of the the Santa Ana River Conservancy Program.	03/28/2017 - From ASSEMBLY Committee on NATURAL RESOURCES with author's amendments.;03/28/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on NATURAL RESOURCES.
<u>AB 1271</u> Gallagher (R)	Dams and Reservoirs		Amends the existing law which requires the Department of Water Resources supervise the maintenance and operation of dams and reservoirs as necessary to safeguard life and property. Requires the	03/21/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's

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			department to order the owner to take action to remove the resultant danger to life and property. Provides for continuously appropriate the moneys in the fund to the department for the administration of the dam safety program.	amendments.;03/21/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
<u>AB 1323</u> Weber (D)	Sustainable Water Use and Demand Reduction		Requires the Department of Water Resources to convene a stakeholder workgroup. Requires the workgroup to develop, evaluate, and recommend proposals for establishing new water use targets for urban water suppliers and report to the Governor and the Legislature. Requires all expenses to be the responsibility of the nonstate agency stakeholders.	03/13/2017 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
<u>AB 1333</u> Dababneh (D)	Political Reform Act: Local Government Agency Notices		Requires every local government agency to prominently post on its Internet Web site a notice of any upcoming election in which voters will vote on a tax measure or proposed bond issuance of the agency. Requires every local government agency that publishes an electronic newsletter to include the notice in the electronic newsletter.	03/13/2017 - To ASSEMBLY Committees on ELECTIONS AND REDISTRICTING and LOCAL GOVERNMENT.
<u>AB 1342</u> Flora (R)	Greenhouse Gas Reduction Fund: Appropriations		Appropriates from the fund to the Department of Forestry and Fire Protection for healthy forest programs that reduce greenhouse gas emissions causes by uncontrolled wildfires. Appropriates from the fund to the Department Resources Recycling and Recovery for instate organic waste recycling projects that reduce greenhouse gas emissions.	03/13/2017 - To ASSEMBLY Committee on NATURAL RESOURCES.
<u>AB 1369</u> Gray (D)	Water Quality and Storage		Requires the Department of Water Resources to increase statewide water storage capacity by a certain percent by a specified year. Provides for the appropriation of moneys from the Greenhouse Gas Reduction Fund. Requires all groundwater basins designated as high- or medium-priority basins by the department that are designated as basins subject to critical conditions of overdraft to be managed under a groundwater sustainability plan.	03/27/2017 - To ASSEMBLY Committees on WATER, PARKS AND WILDLIFE and NATURAL RESOURCES.

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AB 1420 Aguiar-Curry (D)	Water Rights: Small Irrigation Use		Requires State Water Resources Control Board to give priority to adopting general conditions that permit a registrant to store water for small irrigation use during times of high streamflow in exchange for the registrant reducing diversions during periods of low streamflow. Exempts an entity from the requirement to enter into a lake or streambed alteration agreement with the department under specified circumstances.	03/13/2017 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
AB 1427 Eggman (D)	Water: Underground Storage		Revises the declaration to additionally provide that certain uses of storage water while underground constitute beneficial use. Provides that the forfeiture periods of a water right do not apply to water being beneficially used or being held in storage for later beneficial use.	03/21/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;03/21/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
AB 1438 Env Safety & Toxic Material Cmt	State Water Resource Control Board		Amends the Environmental Laboratory Accreditation Act. Updates obsolete references. Authorizes the state board to require an owner of a laboratory under these provisions to provide certain information or records to the state board. Amends the California Safe Drinking Water Act. Authorizes the state board to suspend or revoke a permit if the state board determines that the permittee is in violation of the act.	03/21/2017 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS: Do pass to Committee on APPROPRIATIONS.
AB 1490 Gray (D)	State Water Resources Control Board: School Water		Requires the State Water Resources Control Board, before adopting or approving a water quality control plan, water quality objectives, or a program of implementation, to evaluate impacts on primary drinking water standards and secondary drinking water standards for, and impacts on groundwater basins that provide drinking water to, impacted local education agencies located in whole or in part in a disadvantaged community.	03/30/2017 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS with author's amendments.;03/30/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
AB 1524 Brough (R)	Political Reform Act: Mass Mailing Prohibitions		Amends the Political Reform Act of 1974 which prohibits the sending of a mass mailing by either a candidate or an agency.	03/16/2017 - To ASSEMBLY Committee on ELECTIONS AND REDISTRICTING.

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			States violation of the act's provisions is punishable as a misdemeanor.	
<u>AB 1529</u> Thurmond (D)	Cross-Connection or Backflow Prevention Devices		Requires a person who performs maintenance or testing of a cross-connection or backflow prevention device to be certified. Requires the California Building Standards Commission to publish a list of approved statewide certification providers.	03/16/2017 - To ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
<u>AB 1548</u> Fong (R)	Occupational Safety and Health: Penalties		Expands the application of an existing law which authorizes certain entities to apply for a refund of civil penalties assessed against them if specified conditions are met and which requires moneys in a certain fund to be expended to assist schools in establishing effective occupational injury and illness prevention programs.	03/16/2017 - To ASSEMBLY Committee on LABOR AND EMPLOYMENT.
<u>AB 1605</u> Caballero (D)	Maximum Contaminant Levels: Replacement Water		Deems a person that causes or permits, or threatens to cause or permit, any waste to be discharged that contributes to the exceedance of the maximum contaminant level for nitrate in drinking water to not have caused pollution or a nuisance or to not be liable for negligence or trespass, if the person or entity takes certain actions relating to replacement water until the maximum contaminant level for nitrate is no longer exceeded.	03/28/2017 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS with author's amendments.;03/28/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
<u>AB 1654</u> Rubio (D)	Water Shortage: Urban Water Management Planning	CO-SPONSOR & SUPPORT	Requires urban retail water suppliers to report the status of its water supplies, including whether supplies will be adequate to meet projected demand. Requires the implementation of mandatory demand reduction measures if the supplier determines its supply is not adequate. Prohibits an urban water supplier, during a water shortage, from being required to reduce its use or reliance on any water supply available for its use or from being required to take actions beyond its water shortage contingency plan.	03/28/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;03/28/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
<u>AB 1667</u> Friedman (D)	Urban Water Supplier: Landscape Water Meters	OPPOSE	Requires urban water supplier install dedicated landscape water meters on commercial, instructional, industrial, and multifamily service connections located in service area if property has greater	03/16/2017 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.

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			than certain amount of square feet of irrigated landscape. Requires an urban water supplier install dedicated landscape water meters on single-family residential service connections that are located in service area. Provides for water consumption data.	
AB 1668 Friedman (D)	Water Conservation: Guidelines		Requires the State Water Resources Control Board to develop new water use targets as a part of a permanent framework for urban water agencies. Adopts water conservation guidelines that are consistent with a specified report issued in response to Executive Order B-37-16.	03/16/2017 - To ASSEMBLY Committee on WATER, PARKS AND WILDLIFE.
AB 1669 Friedman (D)	Urban Water Use Efficiency		Requires the State Water Resources Control Board to establish and adopt a process to increase urban water use efficiency through incremental urban water use efficiency standards regard to an urban water use efficiency standard to be achieved by the state. Requires the state board to review and consider updates to its urban water use efficiency standard every 5 years.	03/22/2017 - From ASSEMBLY Committee on WATER, PARKS AND WILDLIFE with author's amendments.;03/22/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on WATER, PARKS AND WILDLIFE.
AB 1671 Caballero (D)	Backflow Prevention Assemblies		Require a certification program that is determined by the state board to demonstrate competency in cross-connection control and backflow prevention assembly testing to be approved for statewide certification unless approval is rescinded by the state board.	03/28/2017 - From ASSEMBLY Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS with author's amendments.;03/28/2017 - In ASSEMBLY. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL SAFETY AND TOXIC MATERIALS.
AB 1673 Aguiar-Curry (D)	The California Water Plan		Makes technical, nonsubstantive changes to existing law which requires the Department of Water Resources to update every five years, the plan for the orderly and coordinated control,protection, conservation, development and use of the water resources of the state.	02/17/2017 - INTRODUCED.

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SB 5 de Leon (D)	California Drought, Water, Parks, Climate		Enacts the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018. Authorizes the issuance of bonds in an amount of \$3,000,000,000 pursuant to the State General Obligation Bond Law to finance a drought, water, parks, climate, coastal protection, and outdoor access for all program.	03/28/2017 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
SB 24 Portantino (D)	Political Reform Act of 1974: Economic Interest		Amends the Political Reform Act which requires certain disclosures to include a statement indicating the fair market value of investments or interests in real property and the aggregate value of income received from each reportable source. Revises the dollar amounts associated with these ranges.	04/04/2017 - In SENATE. Read second time. To third reading.
SB 49 de Leon (D)	Environmental and Workers Defense Act of 2017		Relates to the California Environmental, Public Health, and Workers Defense Act of 2017. Relates to clean air, drinking water, discharge of pollutants into the atmosphere and waters and endangered species. Prohibits state or local agencies from amending or revising their rules and regulations implementing these state laws to be less stringent than the baseline federal standards. Prohibits a state agency from amending rules to be less stringent in protection of worker rights and worker safety.	03/14/2017 - From SENATE Committee on NATURAL RESOURCES AND WATER: Do pass to Committee on ENVIRONMENTAL QUALITY.
SB 62 Jackson (D)	Affordable Senior Housing Act of 2017		Establishes the Affordable Senior Housing Program within GO-Biz, for the purpose of guiding and serving as a catalyst for the development of affordable senior housing dwelling units. Requires the director of GO-Biz to undertake various actions in implementing the program, including establishing and implementing a process for identifying and convening public and private stakeholders and assisting participants in identifying locations and funding sources, obtaining permits, and other matters.	03/29/2017 - Re-referred to SENATE Committees on TRANSPORTATION AND HOUSING and BUSINESS, PROFESSIONS AND ECONOMIC DEVELOPMENT.
SB 72 Mitchell (D)	Budget Act of 2017		Makes appropriations for the support of state government for the 2017-18 fiscal year.	01/11/2017 - To SENATE Committee on BUDGET AND FISCAL REVIEW.

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SB 80 Wieckowski (D)	California Environmental Quality Act: Notices		Amends the California Environmental Quality Act. Requires a lead agency to post certain notices on the agency's Internet Web site and to offer to provide those notices by e-mail. Requires a county clerk to post notices regarding an environmental impact report or a negative declaration on the county's Internet Web site. Requires the filing of a notice in certain cases.	03/29/2017 - From SENATE Committee on ENVIRONMENTAL QUALITY: Do pass to Committee on APPROPRIATIONS.
SB 146 Wilk (R)	Water Resources: Permit To Appropriate		Amends an existing law which prohibits the taking or possession of a fully protected fish, except as provided, and designates the unarmored threespine stickleback as a fully protected fish. Prohibits the issuance of a new permit to appropriate water from any river source or stream that has, or is reasonably suspected to have, a population of unarmored threespine stickleback.	03/28/2017 - In SENATE Committee on NATURAL RESOURCES AND WATER: Not heard.
SB 205 Governance and Finance Cmt	Local Government Omnibus Act of 2017		Requires an officer to take an oath following any election or appointment and before entering the duties of his or her office. Authorizes the County of Merced to enter into a lease, concession, or managerial contract involving a specified area of county property, by a four-fifths vote of the board of supervisors. Makes changes relating to the Committee on County Auditing Procedures, sexual harassment prevention training, certain appointments lists, and certain flood control facilities.	03/30/2017 - In SENATE. Read second time. To Consent Calendar.
SB 206 Governance and Finance Cmt	Validations		Enacts the First Validating Act of 2017, which validates the organization, boundaries, acts, proceedings, and bonds of the state and counties, cities, and specified districts, agencies, and entities.	03/23/2017 - In SENATE. Read third time, urgency clause adopted. Passed SENATE. *****To ASSEMBLY.
SB 207 Governance and Finance Cmt	Validations		Enacts the Second Validating Act of 2017, which validates the organization, boundaries, acts, proceedings, and bonds of the state and counties, cities, and specified districts, agencies, and entities.	03/23/2017 - In SENATE. Read third time, urgency clause adopted. Passed SENATE. *****To ASSEMBLY.
SB 208	Validations		Enacts the Third Validating Act of 2017, which validates the organization, boundaries, acts, proceedings, and bonds of the state and counties, cities, and specified districts, agencies, and entities.	03/23/2017 - In SENATE. Read third time. Passed SENATE. *****To ASSEMBLY.

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SB 210 Leyva (D)	Pupil Health: Drinking Water		Requires a school district that has drinking water fixtures with drinking water that does not meet the U.S. EPA drinking water standards for lead or any other contaminant to close access to those drinking water fixtures, to provide alternative drinking water sources and to notify specified persons if the school district is required to provide those alternative drinking water sources.	03/15/2017 - In SENATE. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL QUALITY.
SB 224 Jackson (D)	Environmental Quality Act: Baseline Conditions		Relates to the California Environmental Quality Act. Prohibits a lead agency, in determining the baseline physical conditions by which a lead agency determines whether a project has a significant effect on the environment, from considering the effects of certain actions on the environment.	02/16/2017 - To SENATE Committee on ENVIRONMENTAL QUALITY.
SB 229 Wieckowski (D)	Accessory Dwelling Units		Authorizes an ordinance creating accessory dwelling units in single-family and multi-family residential zones to include more permissive maximums of increased floor area and total floor space. Prohibits a special district from considering an accessory dwelling unit a new residential use for purposes of calculating connection fees or capacity charges for utilities.	03/28/2017 - From SENATE Committee on TRANSPORTATION AND HOUSING: Do pass to Committee on GOVERNANCE AND FINANCE.
SB 231 Hertzberg (D)	Local Government: Fees and Charges		Relates to a provision of the California Constitution that requires that assessments, fees, and charges be submitted to property owners for approval or rejection after the provision of written notice and the holding of a public hearing. Defines the term sewer for these purposes. Makes findings and declarations relating to the definition of the term sewer for these purposes.	02/16/2017 - To SENATE Committee on GOVERNANCE AND FINANCE.
SB 252 Dodd (D)	Wells		Requires an applicant for a new well permit in a city or county overlying a critically overdrafted basin to comply with certain requirements as part of an application for a permit. Requires a city or county to make certain information included in the application	03/28/2017 - From SENATE Committee on NATURAL RESOURCES AND WATER: Do pass

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			publicly available. Provides for state funding for groundwater recharge or other water supply projects. Makes changes concerning actions alleging liability for interference with a well used primarily for domestic use.	to Committee on GOVERNANCE AND FINANCE.
SB 372 Cannella (R)	San Joaquin River Exchange Contractors Groundwater		Creates the San Joaquin River Exchange Contractors Groundwater Sustainability Agency as the exclusive groundwater sustainability agency and successor agency. Establishes the initial boundaries of the agency and authorizes the agency's boundaries to be changed after a noticed public hearing.	03/30/2017 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
SB 423 Cannella (R)	Indemnity: Design Professionals		Amends an existing law which provides, with respect to certain contracts and amendments to contracts with a public agency for design professional services, that all provisions, clauses, covenants, and agreements contained in, collateral to, or affecting these contracts or amendments that purport to require the professional to defend the agency under an indemnity agreement are unenforceable, except for certain cases. Makes such provisions applicable to all design professional services.	03/29/2017 - Re-referred to SENATE Committee on JUDICIARY.
SB 427 Leyva (D)	Public Water Systems: Lead User Service Lines		Requires a public water system to provide the timeline for replacement of known lead user service lines in use in its distribution system to the State Water Resources Board. Requires certain public water systems to provide related findings. Provides that if a specified compromise timeline is not developed within a certain number of days, a public water system must comply with a revised timeline. Authorizes the application and enforcement of these provisions under the Safe Drinking Water Act.	03/22/2017 - From SENATE Committee on ENVIRONMENTAL QUALITY with author's amendments.;03/22/2017 - In SENATE. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL QUALITY.
SB 450 Hertzberg (D)	Public Bodies: Bonds: Public Notice		Requires the governing body of a public body to obtain and disclose specified information regarding the issuance of bonds in a meeting open to the public. Requires the information to be obtained as a good faith estimate from an underwriter, financial advisor, or private lender or from a third party borrower, as specified, if the	03/22/2017 - From SENATE Committee on GOVERNANCE AND FINANCE with author's amendments.;03/22/2017 - In SENATE. Read second time and amended. Re-

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			public body issuing bonds is a conduit financing provider, as defined.	referred to Committee on GOVERNANCE AND FINANCE.
SB 454 Moorlach (R)	Public Employees Health Benefits		Relates to the Public Employees' Medical and Hospital Care Act. Provides that, for state employees who are first employed and become members of the retirement system on or after a specified date, the employer contribution for annuitants shall be limited to a certain percent of the weighted average of the health benefit plan premiums for an active employee enrolled for self-alone. Makes other changes concerning employer contributions and prefunding of retiree health care.	03/02/2017 - To SENATE Committee on PUBLIC EMPLOYMENT AND RETIREMENT.
SB 473 Hertzberg (D)	California Endangered Species Act		Amends the California Endangered Species Act to authorize the Department of Fish and Wildlife to develop certain programmatic incidental take permits. Makes changes concerning surface mining operations, agricultural activities, conservation easements, addition or removal of species from the endangered species list, and other matters.	03/28/2017 - From SENATE Committee on NATURAL RESOURCES AND WATER: Do pass to Committee on APPROPRIATIONS.
SB 506 Nielsen (R)	Department of Fish and Wildlife: Lake or Streambed		Amends an existing law which prohibits an entity from diverting or obstructing the natural flow of, or substantially changing or using any material from the bed, channel, or bank of, any river, stream, or lake, or from depositing certain material where it may pass into any river, stream, or lake, without a specified notification, and entering into a lake or streambed alteration agreement to protect fish and wildlife resources. Limits the diversions and obstructions governed by these agreement requirements.	04/03/2017 - In SENATE. Read second time and amended. Re-referred to Committee on APPROPRIATIONS.
SB 564 McGuire (D)	Water Bill Savings Act		Enacts the Water Bill Savings Act. Authorizes a joint powers authority to provide funding for a customer of a local agency or its publicly owned utility to acquire, install, or repair a water efficiency improvement on the customer's property served by the local agency or its publicly owned utility. Requires the customer to	03/02/2017 - To SENATE Committee on GOVERNANCE AND FINANCE.

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			repay the authority through an efficiency charge on the customer's water bill.	
SB 580 Pan (D)	Water development projects: Sacramento-San Joaquin		Revises authorization for flood control projects along the American and Sacramento Rivers.	03/28/2017 - From SENATE Committee on NATURAL RESOURCES AND WATER: Do pass to Committee on APPROPRIATIONS.
SB 623 Monning (D)	Safe and Affordable Drinking Water Fund		Establishes the Safe and Affordable Drinking Water Fund in the State Treasury and would provide that moneys in the fund are continuously appropriated to the Office of Sustainable Water Solutions. Requires the State Water Resources Control Board to administer the fund and expend moneys for grants, loans, contracts, or services to assist those without access to safe and affordable drinking water consistent with a fund implementation plan adopted annually by the board.	03/30/2017 - From SENATE Committee on ENVIRONMENTAL QUALITY with author's amendments.;03/30/2017 - In SENATE. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL QUALITY.
SB 634 Wilk (R)	Santa Clarita Valley Water District		Repeals the Castaic Lake Water Agency Law. Recognizes the Newhall County Water District and the Castaic Lake Water Agency into the Santa Clarita Valley Water District which prohibits the Castaic Lake Water Agency and the Newhall County Water District from operating as separate entities or exercising independent functions.	03/28/2017 - From SENATE Committee on NATURAL RESOURCES AND WATER: Do pass to Committee on GOVERNANCE AND FINANCE.
SB 638 Leyva (D)	Heavy Duty Motor Vehicles		Requires the State Air Resource Board to adopt regulations that require owners or operators of heavy duty motor vehicles used for commercial purposes to perform regular inspections of their vehicles for compliance with emission standards of the State board. Requires a fleet of these vehicles to comply with the State boards emission standards in order for any vehicle of the fleet to be registered.	03/02/2017 - To SENATE Committees on TRANSPORTATION AND HOUSING and ENVIRONMENTAL QUALITY.
SB 667 Atkins (D)	Riverine and Riparian Stewardship		Requires the Department of Water Resources to establish a program to implement watershed-based riverine and riparian stewardship improvements by providing technical and financial	03/09/2017 - To SENATE Committee on NATURAL RESOURCES AND WATER.

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			assistance in support of projects with certain benefits. Requires the program to support the purposes of and be coordinated with the Urban Stream Restoration Program, fish passage improvements, and other similar programs.	
SB 686 Wilk (R)	Public Contracts: Claims Resolution		Requires a public entity to conduct a meet and confer conference within a specific period for the settlement of disputes.	03/09/2017 - To SENATE Committee on JUDICIARY.
SB 740 Wiener (D)	Onsite Treated Water		Requires the State Water Resources Control Board to adopt regulations for a comprehensive risk-based framework to assist local jurisdictions in developing oversight and management of programs for onsite treatment of water for nonpotable use.	03/23/2017 - From SENATE Committee on ENVIRONMENTAL QUALITY with author's amendments.;03/23/2017 - In SENATE. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL QUALITY.
SB 748 Glazer (D)	Public Contracts		Amends an existing law which requires a state agency or department to follow specified rules regarding the negotiation of fees and execution of contracts for professional consulting services of a private architectural, engineering, land surveying, environmental, or construction project management firm. Requires certain negotiations to begin within a specified time period.	03/09/2017 - To SENATE Committee on GOVERNMENTAL ORGANIZATION.
SB 771 de Leon (D)	California Environmental Quality Act		Relates to The California Environmental Quality Act. Establishes a continuing education requirement for employees of public agencies who have responsibility for overseeing compliance.	03/29/2017 - From SENATE Committee on ENVIRONMENTAL QUALITY: Do pass to Committee on APPROPRIATIONS.
SB 778 Hertzberg (D)	Safe Drinking Water Fund		Creates the Safe Drinking Water Fund, and continuously appropriates moneys in the fund for the purposes of contracting with an administrator to provide administrative and managerial services to designated public water systems and ordering the designated public water system to accept the administrative and managerial services.	03/29/2017 - Re-referred to SENATE Committee on ENVIRONMENTAL QUALITY.

IRWD 2016 LEGISLATIVE MATRIX
Updated 04/04/2017

Bill No. Author	Title	IRWD Position	Summary/Effects	Status
<u>SB 780</u> Wiener (D)	Water Conservation in Landscaping Act		Requires the Department of Water Resources to develop watershed approach-focused landscaping policies and incentives, including an enhanced model water efficient landscape ordinance. Requires the Department of Water Resources to promote watershed approach-focused education and training for homeowners, contractors, certified community conservation corps, and other landscape professionals.	04/04/2017 - In SENATE. Read second time and amended. Re-referred to Committee on ENVIRONMENTAL QUALITY.
<u>SCA 4</u> Hertzberg (D)	Water Conservation		Declares the intent of the Legislature to amend the California Constitution to provide a program that would ensure that affordable water is available to all Californians and to ensure that water conservation is given a permanent role in California's future.	02/16/2017 - To SENATE Committee on RULES.
<u>HR 23</u> Valadao (R)	Drought Relief in the State of California		Provides drought relief in the State of California.	02/10/2017 - In HOUSE Committee on NATURAL RESOURCES: Referred to Subcommittee on WATER, POWER AND OCEANS.
<u>HR 434</u> Denham (R)	Water Project Financing Program Pilot Project		Authorizes a pilot project for an innovative water project financing program.	02/07/2017 - In HOUSE Committee on NATURAL RESOURCES: Referred to Subcommittee on WATER, POWER AND OCEANS.
<u>HR 448</u> Huffman (D)	Conservation Subsidies Water Conservation Exclusion		Amends the Internal Revenue Code of 1986, expands the exclusion for certain conservation subsidies to include subsidies for water conservation or efficiency measures and storm water management measures.	01/11/2017 - INTRODUCED.;01/11/2017 - To HOUSE Committee on WAYS AND MEANS.

Exhibit "B"

2017 Legislative Update Report: Links to Bill Texts (as of April 14, 2017)

Bill Number/Version Date	Link to Bill Text
AB 869 (Rubio), as amended	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB869
AB 968 (Rubio), as amended	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB968
AB 1041 (Levine), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB1041
AB 1323 (Weber), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB1323
AB 1654 (Rubio), as amended	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB1654
AB 1668 (Friedman) as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB1667
AB 1669 (Friedman) as amended	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB1669
SB 231 (Hertzberg), as introduced	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SB231
SB 252 (Dodd), as amended	http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SB252

<p>SB 623 (Monning), as amended</p>	<p>http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SB623</p>
<p>SB 778 (Hertzberg), as amended</p>	<p>http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SB778</p>
<p>SCA 4 (Hertzberg), as introduced</p>	<p>http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SCA4</p>
<p>Budget Trailer Bill: “Water Conservation as a California Way of Life”</p>	<p>http://www.dof.ca.gov/Budget/Trailer_Bill_Language/documents/810WaterConservationasaCaliforniaWayofLife.pdf</p>

April 24, 2017

Prepared and

submitted by: K. Burton 

Approved by: Paul Cook 

ACTION CALENDAR

OUT-OF-AREA SERVICE AGREEMENT WITH ORANGE COUNTY SANITATION DISTRICT FOR PORTIONS OF LAKE FOREST

SUMMARY:

An Out-of-Area Service Agreement with Orange County Sanitation District (OCSD) is required to allow sewage from two areas of IRWD's service area within the City of Lake Forest to be conveyed to Revenue Area 14 within OCSD's jurisdictional boundary. Staff recommends that the Board authorize the General Manager to execute the Out-of-Area Service Agreement with Orange County Sanitation District for portions of Lake forest, subject to non-substantive changes.

BACKGROUND:

OCSD maintains two separate Revenue Areas, the Consolidated Revenue Area (CRA) and Revenue Area 14 (RA14), to provide for segregated accounting of revenues and expenses. RA14 is entirely within IRWD's jurisdictional boundary, and within the boundary IRWD provides the local sewage collection and treatment service. IRWD delivers a portion of the sewage collected to OCSD's trunk sewer and treatment plant facilities for treatment and disposal, pursuant to the terms and conditions of agreements between IRWD and OCSD, as the successor to County Sanitation District No. 14 of Orange County (RA14 Agreements). RA14 encompasses the portion of IRWD's service area from which sewage flows are discharged either to IRWD's Michelson Water Recycling Plant (MWRP) or to OCSD's regional treatment facilities. Under the RA14 Agreements, IRWD is not allowed to convey sewage into OCSD's service area that may reach OCSD's facilities without OCSD's authorization.

Out-of-Area Service Agreement:

Portions of IRWD's service area within the City of Lake Forest have historically or were originally proposed to discharge sewage to IRWD's Los Alisos Water Recycling Plant (LAWRP) or Santa Margarita Water District's Chiquita Water Recycling Plant (CWRP), both within the jurisdictional boundary of the South Orange County Wastewater Authority (SOCWA).

Portola Hills: A portion of Portola Hills (Area 1) was historically served by a temporary IRWD lift station that pumped sewage to a gravity sewer owned by Trabuco Canyon Water District (TCWD) along El Toro Road through which sewage could flow to LAWRP or be pumped further by TCWD to CWRP. In 2013, IRWD constructed a new gravity sewer in Glenn Ranch Road and abandoned the temporary lift station serving Portola Hills. The new sewer in Glenn Ranch Road is tributary to the MWRP within OCSD's jurisdictional boundary.

Baker Ranch: A portion of Baker Ranch (Area 2), which is currently under construction, was originally proposed to be served by a lift station that would pump sewage from Alton Parkway to

Bake Parkway where the sewage would flow by gravity to LAW RP. In 2012 when the extension of Alton Parkway was completed between Irvine Boulevard and Towne Centre Drive, IRWD revised its sewer master plan to eliminate the proposed lift station in favor of a gravity sewer in Alton Parkway. The sewer within Alton Parkway is tributary to the MWRP within OCSD's jurisdictional boundary.

The locations of Areas 1 and 2 are shown in the figure in Exhibit "A".

An Out-of-Area Service Agreement is required because Areas 1 and 2 are tributary to MWRP within OCSD's jurisdictional boundary. Staff coordinated with OCSD to develop an agreement that addresses the out-of-area sewage flows and the associated operation, maintenance and capital costs in the same manner as other RA14 flows per the RA14 Agreements. The Agreement has a term of three years from the date of execution during which OCSD and IRWD will seek annexation of the two areas into OCSD. IRWD will serve as the applicant to the Local Agency Formation Commission for the annexation.

The Agreement, attached as Exhibit "A", has been reviewed by both IRWD's and OCSD's legal counsels. OCSD will present the Agreement to its Board in April 2017. SOCWA has no objection to the proposed Agreement.

FISCAL IMPACTS:

The out-of-area sewage flows have been conveyed to the MWRP since 2012 and the operation and maintenance costs are already included in the FY 16-17 operating budget.

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on April 18, 2017.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE THE OUT-OF-AREA SERVICE AGREEMENT WITH ORANGE COUNTY SANITATION DISTRICT FOR THE CONVEYANCE OF SEWAGE IN TWO PORTIONS OF IRWD'S SERVICE AREA WITHIN THE CITY OF LAKE FOREST TO ORANGE COUNTY SANITATION DISTRICT'S JURISDICTIONAL BOUNDARY, SUBJECT TO NON-SUBSTANTIVE CHANGES.

LIST OF EXHIBITS:

Exhibit "A" – Out-of-Area Service Agreement with OCSD

EXHIBIT "A"

AGREEMENT RELATING TO IRVINE RANCH WATER DISTRICT LOS ALISOS AREA AND INCLUSION OF FLOWS IN REVENUE AREA 14 FLOW CALCULATIONS

THIS AGREEMENT is made and entered into, to be effective this ____ day of _____, 2017, by and between ORANGE COUNTY SANITATION DISTRICT, a County Sanitation District, hereinafter referred to as "OCSD," and IRVINE RANCH WATER DISTRICT, hereinafter referred to as "IRWD."

RECITALS

WHEREAS, OCSD is a duly organized County Sanitation District, existing pursuant to the County Sanitation District Act, California Health & Safety Code Sections 4700 et seq., providing for the ownership, operation, and maintenance of sewage collection, treatment, and disposal facilities; and

WHEREAS, IRWD is organized and existing pursuant to the California Water District Law, California Water Code Section 34000 et seq., and also owns, operates, and maintains sewage collection, treatment, recycling and disposal facilities pursuant to powers granted by such Law; and

WHEREAS, OCSD has established and maintains two (2) separate Revenue Areas, the Consolidated Revenue Area (CRA) and Revenue Area 14 (RA14), to provide for, among other things, segregated accounting of revenues and expenses; and

WHEREAS, RA14 is entirely within IRWD's jurisdictional boundaries, and within said boundaries IRWD provides local sewage collection service and delivers a portion of the sewage collected within IRWD's service area to OCSD's trunk sewer and treatment plant facilities for

treatment and disposal, pursuant to the terms and conditions of those certain agreements between IRWD and OCSD, as the successor to County Sanitation District No. 14 of Orange County (“RA14 Agreements”); and

WHEREAS, the RA14 Agreements provide for IRWD’s use and funding of capacity and ownership equity on the basis of OCSD’s annual integration adjustment and Capital Outlay Revolving Fund (“CORF”)-sharing formulas, utilizing flows generated within RA14; and

WHEREAS, RA14 encompasses the portions of IRWD’s service area from which sewage flows are diverted to OCSD’s regional treatment facilities or are capable of being discharged either to IRWD’s Michelson Water Recycling Plant (“MWRP”) or OCSD’s regional treatment facilities, and through RA14 and OCSD trunk sewers, OCSD conveys to its regional treatment and disposal facilities the sewage flows from the portion of the IRWD service area that are in excess of the amount of sewage IRWD delivers to MWRP; and

WHEREAS, OCSD, in partnership with Orange County Water District, is engaged in the indirect potable reuse of sewage through the Ground Water Replenishment System, and the treated effluent tributary to the Ground Water Replenishment System, including all sewage and urban runoff diversions from RA14, is subject to advanced source control requirements to limit substances that would render the sewage unsuitable for subsequent indirect potable reuse; and

WHEREAS, IRWD is prohibited from bringing sewage into OCSD’s service area that may reach OCSD’s facilities, directly or indirectly, without OCSD authorization; and

WHEREAS, IRWD’s service territory also includes areas that discharge sewage to IRWD’s Los Alisos Water Recycling Plant (“LAWRP”) and/or other treatment facilities, as depicted in Exhibit “A,” attached hereto and incorporated herein by this reference (the “Los Alisos Area”); and

WHEREAS, IRWD currently is not authorized to discharge from LAWRP to MWRP via the San Diego Creek Interceptor Sewer, since this flow originates from outside of OCSD's service area; and

WHEREAS, more particularly, the Los Alisos Area includes the following subareas, depicted in Exhibit "A," attached hereto and incorporated herein by this reference:

- Portion of Portola Hills ("Area 1") – flows were delivered by a lift station to Santa Margarita Water District's Chiquita Water Recycling Plant. IRWD has removed the lift station and constructed a gravity sewer that conveys Area 1 flows to MWRP;
- Portion of Baker Ranch ("Area 2") – when Area 2 is developed, flows from a portion of the area will be tributary to MWRP, and flows from the remainder will be tributary to LAWRP;
- The former Los Alisos Water District (LAWD) service area, consolidated with IRWD on December 31, 2000, with IRWD as the consolidated successor district, ("Area 3") – flows are tributary to LAWRP, but could also be delivered to MWRP with system modifications; and

WHEREAS, Areas 1, 2 and 3 of the Los Alisos Area are located outside of, but in close proximity to, the jurisdictional boundary of OCSD, and to provide for discharge capability from areas outside the OCSD boundary to RA14, an out-of-area service agreement is required between IRWD and OCSD; and

WHEREAS, OCSD and IRWD intend to set forth the terms and conditions for an out-of-area service agreement that will initially cover Areas 1 and 2 (referred to hereafter as the "Included Area"); and

WHEREAS, IRWD does not intend to send sewage, treated sewage or solids from Area 3 to MWRP, or by extension to OCSD facilities at this time; and

WHEREAS, because the flows to RA14 from the Included Area, as measured through the

Main Street Flume as sewage or diverted solids, constitute flows that are tributary to MWRP, the Parties have determined that the formula adjustment of flows to highest-four-months, specified in the RA14 Agreements for purposes of calculating IRWD's annual integration adjustment and CORF-sharing allocation, shall be applicable to flows from the Included Area conveyed to the RA14 and OCSD regional collection, treatment and disposal facilities;

AGREEMENT

NOW, THEREFORE, in consideration of the mutual promises set forth herein, the parties hereto agree as follows:

Section 1: Out of Area Service. OCSD and IRWD agree that the Included Area shall receive out-of-area service from OCSD under the terms and conditions of this Agreement. At the effective date of this Agreement, the Included Area shall consist of Area 1 and Area 2 only. Area 3 is specifically excluded from this Agreement at this time and flows from Area 3 will not be allowed to be conveyed to RA14 or by extension to MWRP as these flows of sewage and sludge would be tributary to OCSD.

Section 2: Delivery to RA14 and OCSD. OCSD agrees to IRWD's connection of its sewage collection systems serving the Included Area to IRWD's trunk sewer system having the capability of delivering flows to RA14 and OCSD facilities for conveyance, treatment and disposal.

Section 3: Addition of Included Areas Flows to RA14 Flows. For purposes of determining the RA14 share of the OCSD CORF and operation and maintenance costs, RA14 will be charged for flows and/or solids delivered from the Included Area to OCSD's regional trunk sewer system in the same manner as for other RA14 flows measured at the Main Street Flume, pursuant to the RA14 Agreements. This flow information shall be displayed via the

Monthly Gallonage Summary Report that is generated by OCSD.

Section 4: Inclusion in RA14 Cost Sharing To Be In Lieu of OCSD Charges. In consideration of the application of the funding obligations with respect to the Los Alisos Area flows as described in Section 2, no capital facilities charges, connection charges or other charges shall be owed to OCSD for the Included Area.

Section 5: Industrial Waste Monitoring. The parties agree that Area 1 and 2 shall, upon becoming an Included Area, be subject to the Memorandum of Understanding between County Sanitation District No. 14 of Orange County, California and Irvine Ranch Water District Governing Industrial Waste Program Administration, dated February 11, 1987. All Class 1, Class 2, Urban Runoff, and Special Purpose Dischargers shall obtain permits from OCSD per OCSD Ordinance 48, which may be amended from time to time. IRWD and OCSD shall bring the Included Area into permit compliance within 120 days of the effective date of this Agreement. All OCSD permit fees and charges shall be billed to IRWD as any RA14 permit would be billed. IRWD shall collect any user fees directly from customers.

Section 6: Termination. This agreement shall terminate three years after the effective date. This term will allow for the lawful conveyance of sewage from the Included Area while the Parties work to agree on a longer-term plan for the service provision to the Los Alisos Area. The Parties acknowledge their mutual intention that the longer-term plan will be implemented by seeking annexation of the Included Area to OCSD, along with OCSD's administrative inclusion of the Included Area in RA14. The Parties agree to work diligently and in good faith to pursue such actions as expeditiously as possible. IRWD agrees to serve as the applicant to the Local Agency Formation Commission for the annexation of the Included Area to OCSD.

Section 7: Entire Agreement. This instrument contains the entire agreement between

the parties relating to the rights herein granted and the obligations herein assumed.

IN WITNESS WHEREOF, this Agreement has been executed in duplicate in the names of the respective Districts by their duly authorized officers, effective as of the day and year first above written.

ORANGE COUNTY SANITATION DISTRICT

By _____
Chair, Board of Directors

By _____
Clerk of the Board

APPROVED AS TO FORM:
BRADLEY R. HOGIN,
DISTRICT COUNSEL

By _____

IRVINE RANCH WATER DISTRICT

By _____
General Manager

By _____
Secretary

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

By _____

Exhibit A

SANTIAGO CANYON



OCSD/IRWD
Out of Area
Service Agreement
Los Alisos Area
April 2017



Legend

Sewer Service Area

-  Area 1 - Portola Hills
-  Area 2 - Baker Ranch
-  Area 3 - IRWD/SOCWA
-  Area 3 - TCWD/SOCWA
-  IRWD/OCSD

April 24, 2017

Prepared by: T. Lynch/J. Moeder/R. Mori

Submitted by: K. Burton *KL B*

Approved by: Paul Cook *Paul Cook*

ACTION CALENDAR

IRVINE LAKE PIPELINE NORTH CONVERSION RESERVOIR CONTRACT CHANGE ORDER

SUMMARY:

Pascal & Ludwig (P&L) is constructing the Irvine Lake Pipeline (ILP) North Conversion Reservoir that is approximately 15% complete. Staff recommends that the Board approve Contract Change Order No. 4 in the amount of \$351,014 for modified work hours and additional soils handling and disposal activities for the ILP North Conversion Reservoir project.

BACKGROUND:

As part of IRWD's strategic plan to increase recycled water usage and reduce reliance on imported water supplies, IRWD is converting a significant portion of the ILP from untreated water to recycled water. The ILP North Conversion Reservoir project includes construction of a 2.4 million gallon buried concrete reservoir, modifications at the Rattlesnake complex, and modifications at the Orchard Hills Strainer Facility. Construction of the ILP North Conversion Reservoir project began October 2016.

Contract Change Order No. 4:

Staff and P&L completed negotiations for Contract Change Order No. 4, attached as Exhibit "A", for modified work hours and additional soils handling and disposal activities at the Santiago Hills Reservoir site. The change order consists of two change requests described below.

Modified Work Hours: Per the Contract Documents, the contractor is allowed to start work at 7:00 a.m. Once the excavation activities began and the contractor began hauling soils from the reservoir site, traffic on Santiago Canyon Road was immediately impacted and became significantly congested. Staff quickly coordinated with the City of Orange to modify the start time of the hauling activities from 7:00 a.m. to 8:30 a.m., which immediately improved the traffic conditions. With the later start time, the contractor's workday was reduced by 1.5 hours which decreased the contractor's daily production level and increased the overall duration of the hauling activities. The cost associated with this item is \$83,970, and P&L is requesting that 10 additional calendar days be added to the contract time to account for the reduced daily working hours and extended duration of the hauling activities.

Additional Soils Handling and Disposal: The design for the reservoir included an estimate that a total quantity of 56,000 cubic yards of excess soil material would need to be exported from the reservoir site and disposed. The contractor has nearly completed the exporting operation and has determined that a total of 76,000 cubic yards of excess soil requires exporting, which includes material associated with removing a portion of the berm along Santiago Canyon Road, removal of unsuitable structural backfill, and removal of non-structural backfill to provide adequate space

to construct the reservoir. Below is a summary of the three major contributors to the additional disposal quantity.

- Staff directed the contractor to remove a portion of the existing berm along the site frontage to reduce the overall amount of excavation work that the future pipeline contractor would be required to perform during construction of the reservoir inlet and outlet pipelines. This berm was initially intended to be removed during the Irvine Company's road widening project, but since that project has been delayed, staff determined that it would be more cost effective for the reservoir contractor to perform the berm removal rather than the pipeline contractor.
- The original 56,000 cubic yard estimate was based on the engineer's determination that a portion of the excavated soils would be suitable for reuse as structural and non-structural backfill for the reservoir. As the excavation progressed, geotechnical testing of the excavated soils identified that the onsite soils were unsuitable for reuse as structural backfill and therefore required exporting for disposal.
- The geotechnical testing also identified that the onsite material could be used for non-structural backfill. Although the onsite material met non-structural backfill requirements and could be reused, the contractor and staff examined various options for staging the material onsite and determined that due to the site constraints, the contractor would need to export and dispose of the non-structural backfill to provide adequate space to construct the reservoir.

As a result of the above items, the contractor removed an additional 20,000 cubic yards of material beyond what was originally identified in the Contract Documents. The cost associated with this work is \$267,044, and P&L is requesting that 10 additional calendar days be added to the contract time to account for the time needed to complete the additional work. Soils handling and disposal was identified as a unit price item in the bid form, and staff confirmed that the submitted cost is based on the unit price included in the original bid.

Staff reviewed the change order and recommends approval of Contract Change Order No. 4 in the amount of \$351,014 and for 20 additional calendar days. A summary of change orders to date is provided as Exhibit "B".

FISCAL IMPACTS:

Project 05407 is included in the FY 2016-17 Capital Budget. The existing budget is sufficient to fund the contract change order.

The ILP North Conversion Project, which includes the reservoir and associated off-site pipelines, is receiving grant funding from the United States Department of Bureau of Reclamation (USBR) and the State Water Resources Control Board. The USBR funding, in the amount of \$300,000, is being provided through the Drought Resiliency Grant program with 75 percent IRWD matching requirements. The State Board is providing Proposition 1 Recycled Water Program grand funds,

which will contribute up to a 35 percent match on eligible construction costs up to a maximum of \$29,510,300 in project costs.

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and in conformance with California Code of Regulations Title 14, Chapter 3, Article 6, a Notice of Intent to adopt a Mitigated Negative Declaration was filed with the County of Orange on November 3, 2015. Pursuant to State Guideline § 15073, the Initial Study/Mitigated Negative Declaration (IS/MND) was made available for public review for a period of 30 days from November 4, 2015 through December 3, 2015. The IS/MND was adopted by IRWD Board of Directors at its January 11, 2016 meeting. A Notice of Determination was filed with the Orange County Clerk/Recorder and the CA State Clearinghouse on January 12, 2016.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on April 18, 2017.

RECOMMENDATION:

THAT THE BOARD APPROVE CONTRACT CHANGE ORDER NO. 4 IN THE AMOUNT OF \$351,014 AND AN ADDITIONAL 20 CONTRACT DAYS WITH PASCAL & LUDWIG FOR THE ILP NORTH CONVERSION RESERVOIR, PROJECT 05407.

LIST OF EXHIBITS:

Exhibit "A" – Contract Change Order No. 4
Exhibit "B" – Contract Change Order Summary Log

EXHIBIT "B"

**ILP N. Conversion Santiago Hills Zone C+ Reservoir Project
PR 5407
Construction Change Order Summary**

Date: April 6, 2017
Contractor: Pascal & Ludwig
Design Engineer: Kleinfelder

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$9,038,010.00						Original Days: 690				7/1/2018
Change Order No.	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Order Days	Cum Change Order Days	Revised Total Contract Days	Revised Completion Date
1	Approved by Executive Director of Eng and WQ Approved on November 22, 2016 <u>CR-1</u> : Addition of 4-inch water line at Santiago Canyon Reservoir Site <u>CR-2</u> : Removal of fencing along Santiago Canyon Road <u>CR-3</u> : Modifications to the strainer backwash pumps <u>CR-4</u> : Modifications to the fencing plan at the Santiago Canyon Hills Reservoir Site <u>CR-5</u> : Addition of a project sign at the Irvine Company disposal site	B D D C C	\$10,628.00 \$818.00 \$1,491.00 \$7,159.00 \$750.00	\$ 20,846.00	\$ -	\$ 20,846.00	0.23%	\$9,058,856.00	0	0	0	690	7/1/2018
2	Approved by Executive Director of Eng and WQ Approved on March 28, 2017 <u>CR-6</u> : Additional potholing at Rattlesnake Complex <u>CR-7</u> : Addition of mulch at Rattlesnake Complex <u>CR-8</u> : Modification to the stainless steel tapping sleeve <u>CR-10</u> : Addition of Proposition 1 Funding Agreement requirements <u>CR-11</u> : Addition of remote control station on 30-inch ball valve <u>CR-12</u> : Time extension request for weather delays	B C A C D B	\$3,283.00 \$2,065.00 \$12,605.00 \$0.00 \$3,728.00 \$0.00	\$21,681.00	\$ 20,846.00	\$ 42,527.00	0.47%	\$9,080,537.00	48	0	48	738	8/18/2018
3	Approved by Executive Director of Eng and WQ Approved on March 31, 2017 <u>CR-15</u> : Additional time for delay in disposal site availability	B		\$0.00	\$ 42,527.00	\$ 42,527.00	0.47%	\$9,080,537.00	25	48	73	763	9/12/2018
4	Approved by Board Approved on <u>CR-9</u> : City of Orange modified work hours <u>CR-13</u> : Additional handling and disposal	C B	\$83,970.00 \$267,044.00	\$351,014.00	\$ 42,527.00	\$ 393,541.00	4.35%	\$9,431,551.00	20	73	93	783	10/2/2018

Category	Total Amount	Contract
A - Owner Directed Change	\$12,605.00	0.14%
B - Differing/Unknown Condition	\$280,955.00	3.11%
C - External Agency, Regulatory, and/or Permit Required Change	\$93,944.00	1.04%
D - Design Oversight	\$6,037.00	0.07%
E - Design Error	\$0.00	0.00%
Total Change Order Amount (A + B + C + D + E)	\$393,541.00	4.35%

April 24, 2017

Prepared by: H. Cho/M. Cortez

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

Approved by: Paul Cook *(Signature)*

ACTION CALENDAR

DYER ROAD WELLFIELD SURGE TANKS BUDGET INCREASE, CONSTRUCTION AWARD AND CONSULTANT SELECTION

SUMMARY:

The Dyer Road Wellfield (DRWF) Surge Tanks project will replace the existing surge tanks at Well 11 and Well 15 that are corroding and will install new surge tanks at Well 5 and Well 7 to provide protection against pressure surges in the Zone 1 system. Staff recommends that the Board:

- Authorize a budget increase for Project 05473 in the amount of \$2,412,900, from \$1,213,300 to \$3,626,200, and a budget increase for Project 06165 in the amount of \$721,900 from \$528,600 to \$1,250,500;
- Authorize the General Manager to execute a construction contract with Pascal & Ludwig in the amount of \$3,693,000 for the DRWF Surge Tanks; and
- Authorize the General Manager to execute a Professional Services Agreement with Tetra Tech for construction phase services in the amount of \$126,000 for the DRWF Surge Tanks.

BACKGROUND:

The DRWF was constructed in the 1990s as a domestic water source for IRWD and consists of 18 wells located in Santa Ana. The wells were constructed with surge tanks located underground at Well 11 and Well 15 and aboveground at Well 13 to protect against pressure surges. The surge tanks at Well 11 and Well 15 are mostly buried with one end located in a vault that includes a tank manway. Inspection of the surge tank walls in the vaults at Well 11 and Well 15 indicate that the walls of both surge tanks are thinning from corrosion and are near the end of their useful lives. As part of the investigation into their replacement, Flow Science was retained to complete a comprehensive surge analysis of the entire DRWF Zone 1 system including the Well 21/22 Treatment Plant. Flow Science recommended new surge tanks at Well 5, Well 7, and Well 16 that have room for the proposed surge tanks in addition to replacing the two existing surge tanks at Well 11 and Well 15.

The DRWF Surge Tanks project will replace the existing surge tanks at Well 11 and Well 15 and install new surge tanks at Well 5 and Well 7. The four well sites are shown in Exhibit "A". The surge tank at Well 16 is currently being built as part of the Initial Disinfection Facility (IDF) Sodium Hypochlorite Storage and Feed System project since Well 16 and IDF are located on the same site.

Tetra Tech was retained to provide design plans and project manual to replace the surge tanks at Wells 11 and 15 and to construct new surge tanks at Wells 5 and 7. To eliminate tank corrosion, the tanks are designed so they are not directly buried in the ground. At Well 11, the surge tank will be constructed in a recessed pit 12 feet below ground surface similar to the surge tank at OPA

Well 1. At Well 15, the surge tank will be constructed in an underground vault due to the lack space at the site. The surge tanks at Wells 5 and 7 will be constructed aboveground. Tetra Tech completed the design in March 2017.

Construction Award:

The project was advertised for construction bidding on March 20, 2017 to a select bidders list of 17 mechanical contractors. The bid opening occurred on April 18, 2017, and four contractors submitted bids. The apparent low bidder is Pascal & Ludwig with a bid of \$3,693,000; the engineer's estimate was \$5,500,000. The low bid represents the true construction cost as the top three contractor bids were within a range of \$70,000 as shown in the bid summary in Exhibit "B". The engineer's estimate was high as the estimate included higher costs for the procurement and installation of the surge tank at all four sites. Additionally, the engineer's estimate included higher unit costs for the programmable logic control units at the four sites as compared to the low bid.

Consultant Selection for Construction Phase Services:

Staff solicited a proposal from Tetra Tech for construction phase engineering services; Tetra Tech's proposal is in the amount of \$126,000 as shown in Exhibit "C". Staff reviewed the proposal and found it in line with proposal amounts for other projects with similar scopes of work, e.g. the OPA Well 1 Project construction bid was \$5,341,000 and the construction phase services contract with URS Corporation was \$156,900. Since Tetra Tech completed the design and is most familiar with the project, staff recommends awarding a Professional Services Agreement to Tetra Tech for construction phase services.

FISCAL IMPACTS:

The cost for the DRWF Surge Tanks Project is split between Projects 05473 and 06165. The replacement of the surge tanks at Well 11 and Well 15 will be funded by Project 05473, and the construction of the new surge tanks at Well 5 and Well 7 will be funded by Project 06165. Projects 05473 and 06165 are included in the FY 2016-17 Capital Budget. Budget increases are required to fund the construction and construction phase services for the project as shown in the table below.

Project No.	Current Budget	Addition <Reduction>	Total Budget
05473	\$1,213,300	\$2,412,900	\$3,626,200
06165	\$528,600	\$721,900	\$1,250,500
Total	\$1,741,900	\$3,134,800	\$4,876,700

ENVIRONMENTAL COMPLIANCE:

This activity is categorically exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15301 (b) which provides exclusion for minor alteration of public facilities; Section 15302 which provides

for replacement or reconstruction of existing structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose; and Section 15303 which consists of exclusion for minor alteration of public facilities such as water and other utility extensions. A Notice of Exemption was filed with the Orange County Clerk-Recorder on May 25, 2016.

COMMITTEE STATUS:

Construction awards are not routinely taken to Committee prior to submittal to the Board. The selection of Tetra Tech to provide construction phase services was reviewed by the Engineering and Operations Committee on April 18, 2017.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE IN THE AMOUNT OF \$2,412,900, FROM \$1,213,300 TO \$3,626,200, FOR PROJECT 05473 AND A BUDGET INCREASE IN THE AMOUNT OF \$721,900, FROM \$528,600 TO \$1,250,500 FOR PROJECT 06165; AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT IN THE AMOUNT OF \$3,693,000 WITH PASCAL & LUDWIG; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH TETRA TECH FOR CONSTRUCTION PHASE SERVICES IN THE AMOUNT OF \$126,000 FOR THE DYER ROAD WELLFIELD SURGE TANKS, PROJECTS 05473 AND 06165.

LIST OF EXHIBITS:

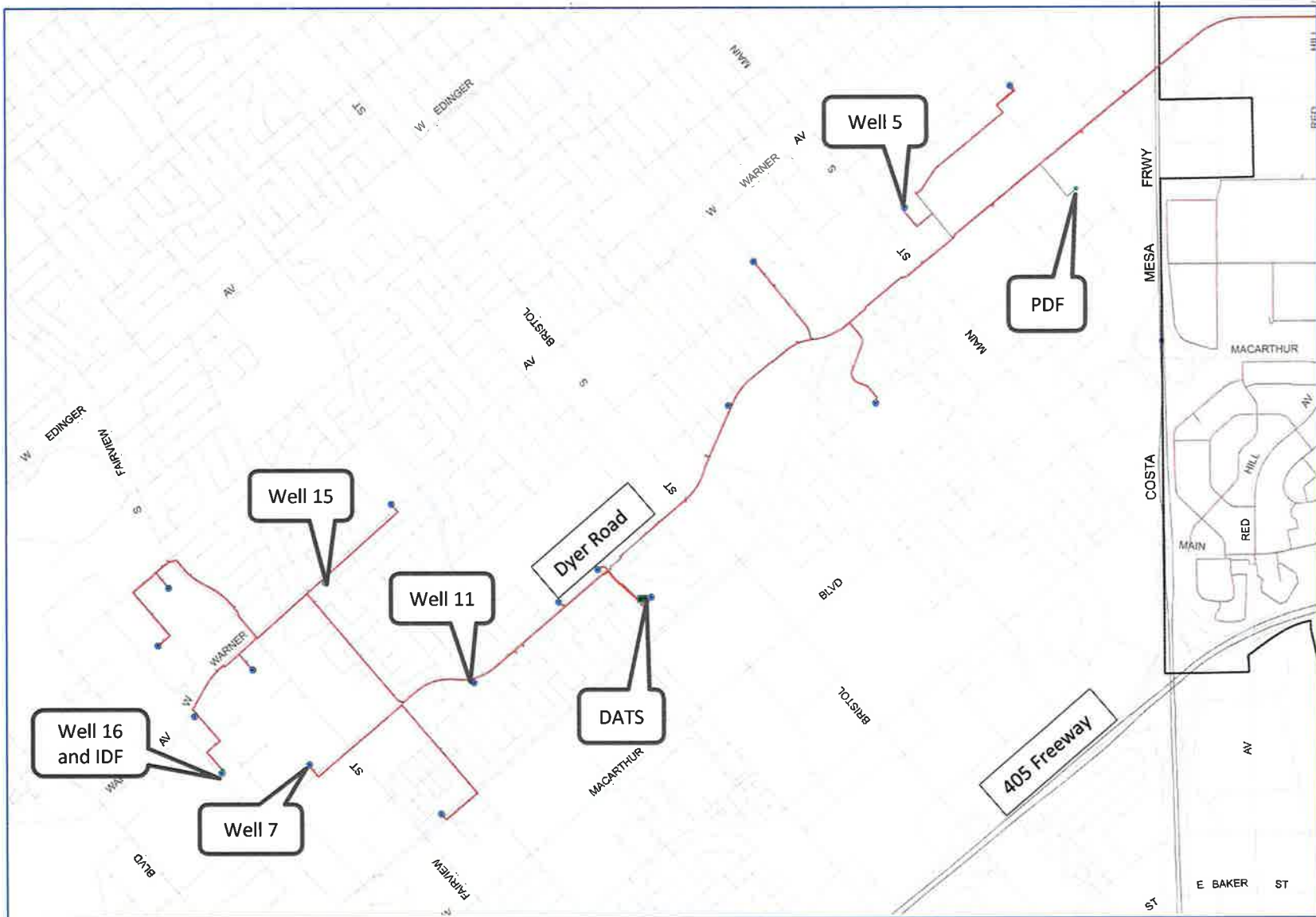
Exhibit "A" – Site Location Map

Exhibit "B" – Bid Summary

Exhibit "C" – Tetra Tech Proposal

EXHIBIT "A"

DRWF Surge Tank Project



Irvine Ranch Water District Bid Summary For
Dyer Road Well Field Surge Tanks
PR 05473 AND 06165, Code 6885

Item No	Description	Qty	Unit	Engineer's Estimate		1 Pascal & Ludwig Constructors Ontario, CA		2 Norman A. Olsson Construction, Inc. Orange, CA		3 Pacific Hydrotech Corporation Perris, CA		4 RC Foster Corporation Corona, CA	
				Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
GENERAL ITEMS OF WORK													
1	Mobilization, demobilization and cleanup at each well site	4	EA	\$60,000	\$240,000	\$26,000.00	\$104,000.00	\$37,500.00	\$150,000.00	\$37,500.00	\$150,000.00	\$5,000.00	\$20,000.00
2	Traffic Control	1	LS	\$10,000	\$10,000	\$53,000.00	\$53,000.00	\$10,000.00	\$10,000.00	\$14,300.00	\$14,300.00	\$27,000.00	\$27,000.00
3	Start-up testing and training	1	LS	\$25,000	\$25,000	\$27,000.00	\$27,000.00	\$1,000.00	\$1,000.00	\$10,900.00	\$10,900.00	\$4,000.00	\$4,000.00
4	Prepare Operations and Maintenance manuals	1	LS	\$5,000	\$5,000	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$3,300.00	\$3,300.00	\$1,500.00	\$1,500.00
5	Prepare Record Drawings	1	LS	\$10,000	\$10,000	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$1,500.00	\$1,500.00
6	Furnish and install Erosion Control Measures	1	LS	\$20,000	\$20,000	\$37,000.00	\$37,000.00	\$1,000.00	\$1,000.00	\$8,700.00	\$8,700.00	\$4,000.00	\$4,000.00
7	Project Dewatering: Procure and conform to NPDES permit	1	LS	\$155,000	\$155,000	\$114,000.00	\$114,000.00	\$52,000.00	\$52,000.00	\$73,400.00	\$73,400.00	\$250,000.00	\$250,000.00
WELL 11													
8	Perform demolition of existing surge tank, piping, valve, structure and SCE transformer pad	1	LS	\$65,000	\$65,000	\$123,000.00	\$123,000.00	\$90,000.00	\$90,000.00	\$32,700.00	\$32,700.00	\$75,000.00	\$75,000.00
9	Furnish and install surge tank recessed foundation structure	1	LS	\$330,000	\$330,000	\$243,000.00	\$243,000.00	\$500,000.00	\$500,000.00	\$493,600.00	\$493,600.00	\$400,000.00	\$400,000.00
10	Furnish and install surge tank	1	LS	\$890,000	\$890,000	\$257,000.00	\$257,000.00	\$300,000.00	\$300,000.00	\$194,400.00	\$194,400.00	\$320,000.00	\$320,000.00
11	Furnish and install above-ground mechanical piping, valves and appurtenances	1	LS	\$30,000	\$30,000	\$22,000.00	\$22,000.00	\$30,000.00	\$30,000.00	\$45,000.00	\$45,000.00	\$70,000.00	\$70,000.00
12	Furnish and install buried piping and appurtenances	1	LS	\$55,000	\$55,000	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$6,600.00	\$6,600.00	\$50,000.00	\$50,000.00
13	Furnish and install building improvements	1	LS	\$10,000	\$10,000	\$193,000.00	\$193,000.00	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$31,000.00	\$31,000.00
14	Furnish and install site improvements	1	LS	\$130,000	\$130,000	\$151,000.00	\$151,000.00	\$140,000.00	\$140,000.00	\$125,000.00	\$125,000.00	\$135,000.00	\$135,000.00
15	Furnish and install connection to existing 24-inch pipeline	1	LS	\$10,000	\$10,000	\$39,000.00	\$39,000.00	\$60,000.00	\$60,000.00	\$44,600.00	\$44,600.00	\$15,000.00	\$15,000.00
16	Furnish and install electrical and instrumentation equipment and facilities	1	LS	\$250,000	\$250,000	\$109,000.00	\$109,000.00	\$121,000.00	\$121,000.00	\$108,400.00	\$108,400.00	\$145,000.00	\$145,000.00
17	Sheeting, Shoring and Bracing	1	LS	\$250,000	\$250,000	\$240,000.00	\$240,000.00	\$500,000.00	\$500,000.00	\$333,100.00	\$333,100.00	\$335,000.00	\$335,000.00
WELL 15													
18	Perform demolition of existing surge tank, piping, valve and structure	1	LS	\$60,000	\$60,000	\$98,000.00	\$98,000.00	\$50,000.00	\$50,000.00	\$26,600.00	\$26,600.00	\$46,000.00	\$46,000.00
19	Furnish and install surge tank vault structure	1	LS	\$460,000	\$460,000	\$324,000.00	\$324,000.00	\$365,000.00	\$365,000.00	\$457,200.00	\$457,200.00	\$445,000.00	\$445,000.00
20	Furnish and install surge tank	1	LS	\$510,000	\$510,000	\$186,000.00	\$186,000.00	\$160,000.00	\$160,000.00	\$135,800.00	\$135,800.00	\$195,000.00	\$195,000.00
21	Furnish and install above-ground mechanical piping, valves and appurtenances	1	LS	\$25,000	\$25,000	\$12,000.00	\$12,000.00	\$25,000.00	\$25,000.00	\$33,900.00	\$33,900.00	\$44,000.00	\$44,000.00
22	Furnish and install buried piping and appurtenances	1	LS	\$35,000	\$35,000	\$57,000.00	\$57,000.00	\$35,000.00	\$35,000.00	\$10,100.00	\$10,100.00	\$26,000.00	\$26,000.00
23	Furnish and install building improvements	1	LS	\$10,000	\$10,000	\$64,000.00	\$64,000.00	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00	\$31,000.00	\$31,000.00
24	Furnish and install site improvements	1	LS	\$55,000	\$55,000	\$60,000.00	\$60,000.00	\$55,000.00	\$55,000.00	\$37,500.00	\$37,500.00	\$76,000.00	\$76,000.00
25	Furnish and install connection to existing 12-inch pipeline	1	LS	\$10,000	\$10,000	\$14,000.00	\$14,000.00	\$45,000.00	\$45,000.00	\$26,700.00	\$26,700.00	\$27,000.00	\$27,000.00
26	Furnish and install electrical and instrumentation equipment and facilities	1	LS	\$180,000	\$180,000	\$103,000.00	\$103,000.00	\$90,000.00	\$90,000.00	\$95,000.00	\$95,000.00	\$116,000.00	\$116,000.00
27	Sheeting, Shoring and Bracing	1	LS	\$290,000	\$290,000	\$172,000.00	\$172,000.00	\$185,000.00	\$185,000.00	\$334,700.00	\$334,700.00	\$335,000.00	\$335,000.00
WELL 7													
28	Furnish and install surge tank foundation	1	LS	\$30,000	\$30,000	\$26,000.00	\$26,000.00	\$30,000.00	\$30,000.00	\$15,400.00	\$15,400.00	\$27,000.00	\$27,000.00
29	Furnish and install surge tank	1	LS	\$450,000	\$450,000	\$180,000.00	\$180,000.00	\$170,000.00	\$170,000.00	\$311,400.00	\$311,400.00	\$155,000.00	\$155,000.00
30	Furnish and install above-ground mechanical piping, valves and appurtenances	1	LS	\$20,000	\$20,000	\$18,000.00	\$18,000.00	\$40,000.00	\$40,000.00	\$61,600.00	\$61,600.00	\$70,000.00	\$70,000.00
31	Furnish and install buried piping, valves and appurtenances	1	LS	\$40,000	\$40,000	\$45,000.00	\$45,000.00	\$40,000.00	\$40,000.00	\$4,000.00	\$4,000.00	\$100,000.00	\$100,000.00

Item No	Description	Qty	Unit	Engineer's Estimate		1 Pascal & Ludwig Constructors Ontario, CA		2 Norman A. Olsson Construction, Inc. Orange, CA		3 Pacific Hydrotech Corporation Perris, CA		4 RC Foster Corporation Corona, CA	
				Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
32	Furnish and install site improvements	1	LS	\$30,000	\$30,000	\$74,000.00	\$74,000.00	\$45,000.00	\$45,000.00	\$35,300.00	\$35,300.00	\$45,000.00	\$45,000.00
33	Furnish and install connection to existing 12-inch pipeline	1	LS	\$10,000	\$10,000	\$11,000.00	\$11,000.00	\$30,000.00	\$30,000.00	\$34,600.00	\$34,600.00	\$15,000.00	\$15,000.00
34	Furnish and install electrical and instrumentation equipment and facilities	1	LS	\$175,000	\$175,000	\$69,000.00	\$69,000.00	\$70,000.00	\$70,000.00	\$71,400.00	\$71,400.00	\$76,000.00	\$76,000.00
WELL 5													
35	Perform demolition of existing fence and drain line	1	LS	\$10,000	\$10,000	\$49,000.00	\$49,000.00	\$6,000.00	\$6,000.00	\$8,700.00	\$8,700.00	\$10,000.00	\$10,000.00
36	Furnish and install surge tank foundation	1	LS	\$30,000	\$30,000	\$25,000.00	\$25,000.00	\$21,000.00	\$21,000.00	\$13,100.00	\$13,100.00	\$10,000.00	\$10,000.00
37	Furnish and install surge tank	1	LS	\$320,000	\$320,000	\$150,000.00	\$150,000.00	\$120,000.00	\$120,000.00	\$203,900.00	\$203,900.00	\$200,000.00	\$200,000.00
38	Furnish and install above-ground mechanical piping, valves and appurtenances	1	LS	\$20,000	\$20,000	\$19,000.00	\$19,000.00	\$22,000.00	\$22,000.00	\$65,100.00	\$65,100.00	\$45,000.00	\$45,000.00
39	Furnish and install buried piping, valves and appurtenances	1	LS	\$35,000	\$35,000	\$42,000.00	\$42,000.00	\$45,000.00	\$45,000.00	\$12,500.00	\$12,500.00	\$15,000.00	\$15,000.00
40	Furnish and install site improvements	1	LS	\$25,000	\$25,000	\$74,000.00	\$74,000.00	\$25,000.00	\$25,000.00	\$15,900.00	\$15,900.00	\$10,000.00	\$10,000.00
41	Furnish and install connection to existing 16-inch pipeline	1	LS	\$10,000	\$10,000	\$13,000.00	\$13,000.00	\$35,000.00	\$35,000.00	\$28,500.00	\$28,500.00	\$10,000.00	\$10,000.00
42	Furnish and install electrical and instrumentation equipment and facilities	1	LS	\$175,000	\$175,000	\$75,000.00	\$75,000.00	\$65,000.00	\$65,000.00	\$72,300.00	\$72,300.00	\$75,000.00	\$75,000.00
	Subtotal				\$5,500,000.00		\$3,693,000.00		\$3,761,000.00		\$3,762,100.00		\$4,088,000.00
	Adjustment (+ or -)												
	TOTAL AMOUNT OF BID				\$5,500,000.00		\$3,693,000.00		\$3,761,000.00		\$3,762,100.00		\$4,088,000.00
				Item		Manufacturers:		Manufacturers:		Manufacturers:		Manufacturers:	
				Surge Tank		Pressure Vessel Tech		Pressure Vessel Technologies		Crump		Crump Engineering	
				Air Compressor		Ingersoll Rand		Ingersoll-Rand		Ingersoll Rand		Ingersoll-Rand	
				Butterfly Valves (EPDM)		Pratt		Dezurik		Crispin		Crispin	
				Control Panels		Control Technologies		Soffa		Essco		George T Hall	
				Programmable Logic Controller		Modicon		Modicon		Modicon		Modicon	
						Subcontractors:		Subcontractors:		Subcontractors:		Subcontractors:	
						Remco		R & D Steel		Regan Paving		August Construction & Shoring	
						Stone Roofing		Alcorn Fence		National Coatings		Econo Fence	
						Fence Corp		MC Painting		Stone Roofing		Regan Paving	
						Halcyon		Stone Roofing		Econo Fence		Nuway Masonry	
						MC Painting		August Construction		American Steel Placers		National Coating and Lining Company	
						Hardy & Harper		Leed Electric		August Construction		RMA Group	
						American Steel Placers				Leed Electric		C E Pickup Company	
										JSS Construction		Griffin	
												Leed Electric	



March 31, 2017

Mr. Malcolm Cortez, P.E.
Irvine Ranch Water District
3512 Michelson Drive
Irvine, CA 92612

**Reference: Proposal to Provide Construction Phase Services for the
Dyer Road Well Field Surge Tanks, Project Nos. 05473 & 06165**

Dear Mr. Cortez:

Tetra Tech has completed the design and is currently providing bid phase services for the Dyer Road Well Field Surge Tanks Project under Purchase Order No. 529097. Our original approved budget was for \$290,000 and did not include construction support services. Variance No. 1 was approved for \$64,000 and was for replacing the PLCs, relocating the SCE transformer, designing sunshade at Well 11 and miscellaneous other items of work.

By this correspondence, Tetra Tech is requesting approval of this proposal to provide construction phase services for the Dyer Road Well Field Surge Tanks Project.

SCOPE OF WORK

The construction support services depend greatly on the Contractor's construction schedule, the adequacy of his submittals, and the amount of issues/conflicts that arise during the construction of the project. Tetra Tech does not control the amount of the submittals, RFIs or the issues that arise during the construction process. Based on the Contract Documents, the time for completion shall be within 420 calendar days (about 14 months) from the date of the Notice of Award.

Task 1 – Project Management

Services will include preparation of monthly invoices and invoice backup spreadsheets. We are assuming a duration of fourteen (14) months.

Task 2 – Project Meetings

Attend twenty (20) project meetings of two (2) hours each at IRWD and provide minutes for each meeting.

Task 3 – Contractor's Request for Information

Respond to forty (40) Request for Information. We have assumed that ten (10) of these responses will require a sketch or exhibit.

Task 4 – Minor Plan Revisions

Provide sixty (60) hours of staff time for minor plan revisions to the construction drawings.

Task 5 – Site Visits

Conduct ten (10) site visits of two (2) hours each as needed during construction.

Tetra Tech, Inc.

17885 Von Karman Avenue, Suite 500, Irvine, CA 92614-6213
Tel 949.809.5000 Fax 949.809.5010 www.tetrattech.com

Mr. Malcolm Cortez, P.E.
March 31, 2017
Page 2

Task 6 – Shop Drawing Submittals

Review and respond to one hundred (100) shop drawing submittals. We have assumed that fifty (50) submittals will require a second review.

Task 7 – Record Drawings

Prepare record drawings on 24-inch by 36-inch mylars at the construction completion using Contractor's and District Inspector's red-lines. Deliver final mylars, reissued signed mylars (as needed) and AutoCAD electronic files.

BUDGET

Tetra Tech will perform the above services on a Time and Material Basis and will provide status summaries to the District each month. The following is our requested budget for the Construction Support Services:

Task 1 – Project Management (14 months)	\$ 2,600
Task 2 – Project Meetings (20)	\$ 6,900
Task 3 – Contractor's Request for Information (40/10)	\$ 19,700
Task 4 – Minor Plan Revisions (60 hours)	\$ 8,000
Task 5 – Site Visits (10)	\$ 3,500
Task 6 – Shop Drawing Submittals (100/50)	\$ 68,000
Task 7 – Record Drawings	<u>\$ 17,300</u>
Hourly but Not-to-Exceed Budget	\$ 126,000

The following page provides our person-hour estimate per task for this work. The fee is based on a salary multiplier of 3.1. Tetra Tech is pleased to submit this proposal to provide the above scope of services for a not-to-exceed fee amount of **\$ 126,000**. It is our understanding that this work will be performed under a new Agreement for Professional Services including the corresponding new purchase order.

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

Sincerely,



Tom Epperson, P.E.
Project Manager
Water, Environment & Infrastructure

TE/te

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Attachment

Irvine Ranch Water District
Dyer Road Well Field Surge Tanks Project
Construction Phase Services
Fee Proposal

Task Description							Fees		TOTALS
	Senior Project Manager	Project Engineer	Designer / CADD	Construction Observer	WP	Total Hours	Labor	Sub-Contractors Re-imbursables	
Construction Phase Services									
Project Management (14 months)	8	0	0	0	0	8	\$2,584	\$16	\$2,600
Project Meetings (20)	0	40	0	0	0	40	\$6,600	\$300	\$6,900
Request for Information (40/10)	0	60	40	40	0	140	\$19,700	\$0	\$19,700
Minor Plan Revisions (60 hours)	0	8	0	52	0	60	\$7,978	\$24	\$8,000
Site Visits (10)	0	20	0	0	0	20	\$3,300	\$200	\$3,500
Shop Drawing Submittals (100/50)	16	150	280	34	8	488	\$67,942	\$58	\$68,000
Record Drawings	0	2	10	84	2	98	\$12,480	\$4,820	\$17,300
Budget Request	24	280	330	210	10	854	\$120,582	\$5,418	\$126,000
TOTAL	24	280	330	210	10	854	\$120,582	\$5,418	\$126,000

April 24, 2017
Prepared by: K. Welch
Submitted by: F. Sanchez/P. Weghorst
Approved by: Paul Cook *P. Cook*

ACTION CALENDAR

AMENDMENT NO. 1 TO STOCKDALE INTEGRATED BANKING PROJECT OPERATING AGREEMENT

SUMMARY:

Rosedale-Rio Bravo Water Storage District and IRWD are jointly developing the Stockdale Integrated Water Banking Project in accordance with the Agreement for a Water Banking, Recovery and Exchange Program for the Stockdale West and Stockdale East Properties (Operating Agreement). IRWD is currently constructing recovery facilities on the Stockdale West property including connections to the Cross Valley Canal (CVC). In August 2016, the Board approved terms for and execution of an amendment to the Operating Agreement that would facilitate IRWD's purchase of one-third of the capacity in the Rosedale CVC Return Pipeline (Return Pipeline). The amendment has been prepared and expanded in scope to also provide for reimbursement of costs assessed to Rosedale by the Kern County Water Agency (KCWA) that are attributable to the construction of the CVC connections at the Stockdale West property. Staff recommends that the Board authorize the General Manager to execute Amendment No. 1 to the Operating Agreement, subject to non-substantive changes or to substantive changes as approved by the Supply Reliability Programs (SRP) Committee.

BACKGROUND:

In 2010, IRWD purchased the Stockdale West property located west of the Strand Ranch to expand IRWD's water banking projects. In 2015, Rosedale certified and IRWD approved the Stockdale Integrated Banking Project Final Environmental Impact Report (EIR). The EIR provides for the development of the IRWD Stockdale West and the Rosedale Stockdale East properties to allow both agencies to utilize available storage in the Kern River Fan Area through the construction and operation of recharge and recovery facilities. The project will integrate the developed capacities and facilities into the Rosedale Conjunctive Use Program and will provide dry year water supply reliability for IRWD customers.

Project Operating Agreement:

On February 4, 2016, IRWD and Rosedale executed the Operating Agreement that specifies terms for the development and operation of a long-term water banking and exchange program on the Stockdale West and East properties. The Operating Agreement provides for IRWD and Rosedale to each pay for the design and construction of water banking facilities on their own properties.

Construction of Facilities:

IRWD constructed recharge facilities on the Stockdale West Ranch in 2010 and these facilities are fully operational. Currently, IRWD is constructing recovery facilities on the Stockdale West property including three wells, pipelines and connections to the CVC. The connections are

comprised of a turn-out from the CVC to the recharge basins that is shown on Exhibit “A” and a pipeline connection from the wells on the project to the Return Pipeline that is shown in Exhibit “B”. Construction of the connection to the Return Pipeline is now complete and was facilitated through a license agreement where IRWD’s future use of the Return Pipeline is subject to execution of an amendment to the Operating Agreement that will facilitate IRWD purchasing one-third of the reserved capacity in the Return Pipeline.

Previous Approval of Capacity Purchase:

In August 2016, the Board approved terms for IRWD to acquire one-third of the capacity in the Return Pipeline for \$201,000 and authorized staff to work with Rosedale to develop and execute an amendment to the Operating Agreement to purchase the capacity rights in accordance with the approved terms. Since that approval, staff has identified a need to expand the amendment to allow IRWD to reimburse Rosedale for costs associated with the construction of the CVC turn-out to the Stockdale West Ranch.

Reimbursement of Costs to Rosedale:

Rosedale is a member agency of KCWA, which owns and operates the CVC and approves construction of all CVC connections. During the design process for the Stockdale Recovery Facilities Project, Rosedale, on behalf of IRWD, entered into an agreement with KCWA for the construction of the Stockdale West CVC turnout structure. Among other things, the agreement between Rosedale and KCWA required that Rosedale pay all costs incurred by KCWA related to the Stockdale West CVC turnout. Subsequently, it was determined that the Operating Agreement did not specifically provide for IRWD to reimburse Rosedale for KCWA’s costs with respect to the proposed Stockdale West CVC turn-out. A Memorandum of Understanding (MOU) was developed as a result of this determination.

Memorandum of Understanding:

In October 2016, IRWD and Rosedale executed an MOU that established that it was the parties’ intent that the “Stockdale West Facilities,” as defined in the Operating Agreement, include the Stockdale West CVC turn-out and turn-in structures. The MOU facilitated the parties working together in the preparation of an amendment to the Operating Agreement that would incorporate the missing language.

Amendment No. 1 to Operating Agreement:

IRWD’s legal counsel prepared Amendment No. 1 to the Operating Agreement, included as Exhibit “C”, that memorializes the reimbursement terms established in the MOU and that provides for IRWD’s acquisition of capacity rights in the Return Pipeline. Specifically, the amendment modifies the Operating Agreement to allow for:

- IRWD capital cost participation in the amount of \$201,000 to purchase one-third of the capacity in the Rosedale CVC Return Pipeline, and

- IRWD reimbursement to Rosedale for IRWD's share of costs associated with the construction of the CVC turn-out to the Stockdale West Ranch recharge facilities.

The proposed Amendment No. 1 has been reviewed by Rosedale and their comments have been incorporated into the document. Staff recommends that the Board authorize the General Manager to execute Amendment No. 1 to the Operating Agreement, subject to non-substantive changes or to substantive changes as approved by the SRP Committee.

FISCAL IMPACTS:

Project 03766 is included in the FY 2016-17 Capital Budget to provide for the construction of the Stockdale West Recovery Facilities. Sufficient funds exist to acquire capacity rights in the Rosedale CVC Return Pipeline for \$201,000 as well as to reimburse Rosedale for costs assessed to Rosedale by KCWA that are attributable to the construction of the Stockdale West turn-out.

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA). In compliance with CEQA, the California Public Resources Code Section 21000 et. seq., and per the California CEQA Guidelines in the Code of Regulations, Title 14, Division 6, Chapter 3, Rosedale as lead agency, filed a Notice of Determination with the County of Kern on December 8, 2015, and with the California State Clearinghouse on December 9, 2015, for the Stockdale Integrated Banking Project Final Environmental Impact Report. IRWD, as a Responsible Agency, filed a Notice of Determination with the County of Orange on December 14, 2015, with the California State Clearinghouse on December 15, 2015, and with the County of Kern on December 21, 2015.

COMMITTEE STATUS:

This item was reviewed by the Supply Reliability Programs Committee on April 20, 2017.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE AMENDMENT NO. 1 TO THE AGREEMENT FOR A WATER BANKING, RECOVERY AND EXCHANGE PROGRAM FOR THE STOCKDALE WEST AND STOCKDALE EAST PROPERTIES, SUBJECT TO NO-SUBSTANTIVE CHANGES OR TO SUBSTANTIVE CHANGES AS APPROVED BY THE SUPPLY RELIABILITY PROGRAMS COMMITTEE.

LIST OF EXHIBITS:

- Exhibit "A" – Cross Valley Canal Turn-out from the Stockdale West Ranch
- Exhibit "B" – Connection to the Rosedale Cross Valley Canal Return Pipeline
- Exhibit "C" – Amendment No. 1 to the Agreement for a Water Banking, Recovery and Exchange Program for the Stockdale West and Stockdale East Properties

Exhibit "B"

Connection to Rosedale Cross Valley Canal Return Pipeline

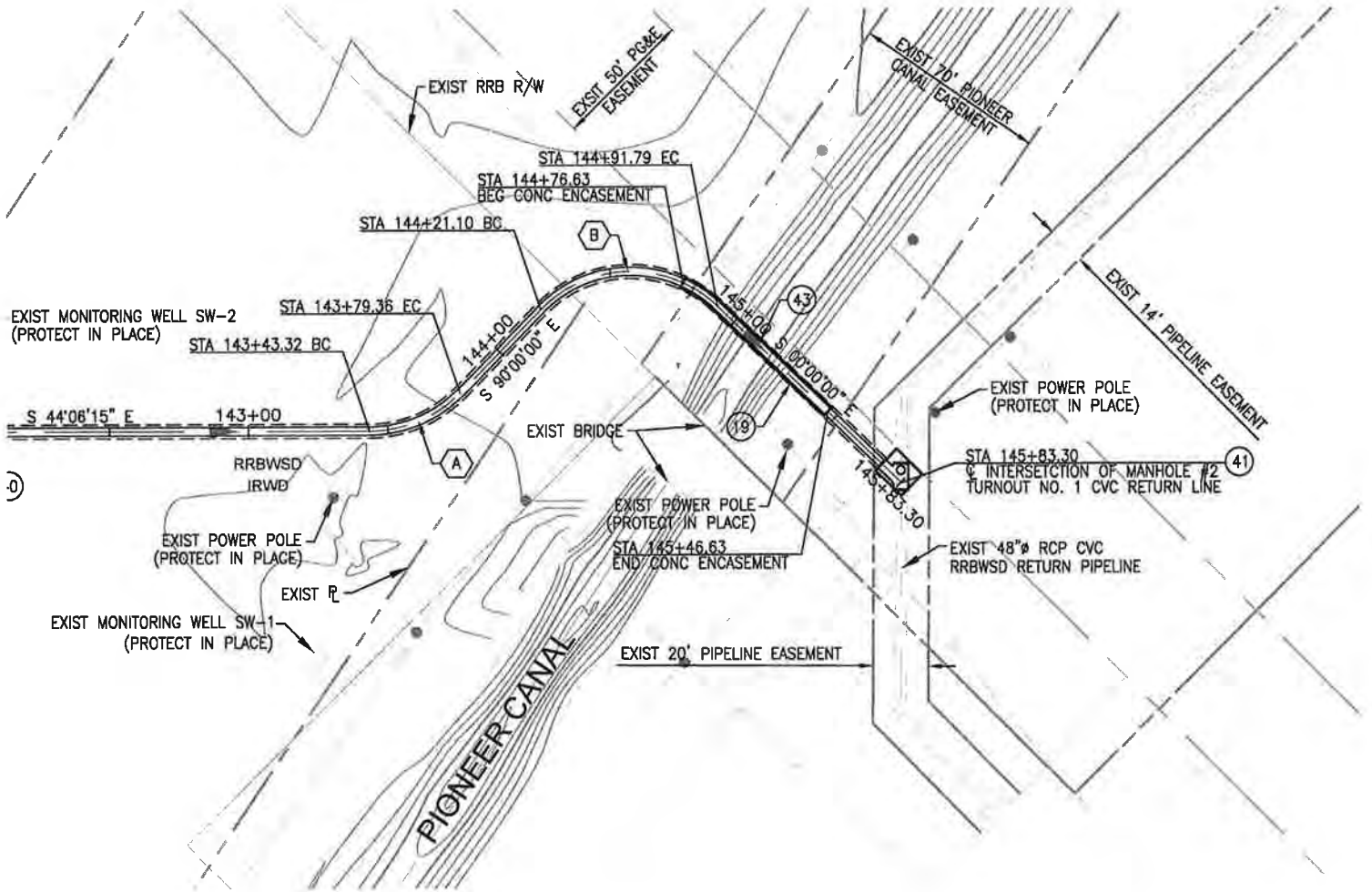


EXHIBIT "C"

AMENDMENT NO. 1

to

AGREEMENT
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
AND
IRVINE RANCH WATER DISTRICT
FOR A
WATER BANKING AND EXCHANGE PROGRAM
[Stockdale West and Stockdale East Properties]

This Amendment ("Amendment") is executed by the Parties on _____, 2016, to amend the below-recited agreement (Water Banking Agreement).

RECITALS:

A. The Parties entered into the agreement between IRWD and Rosedale entitled *Agreement – Rosedale-Rio Bravo Water Storage District and Irvine Ranch Water District for a Water Banking, Recovery and Exchange Program (Stockdale West and Stockdale East Properties)*, including any mutually agreeable extensions, with an effective date of February 4, 2016 ("Water Banking Agreement"). Capitalized terms used herein shall have the meanings ascribed hereto in the Water Banking Agreement.

B. In connection with the use of the Stockdale West Property under the Water Banking Agreement, the parties have agreed to enter into a "Pipeline License Agreement For Connection Into And Use Of District's CVC Turnout No. 1 CVC Return Line Kern County APN: 160-020-04" (the "License").

C. Rosedale-Rio Bravo Water Storage District ("RRB") constructed the Return Line, defined below, as described in the Project EIR, without cost participation by Irvine Ranch Water District ("IRWD"). The Return Line is depicted in Exhibit "A" hereto.

D. Prior to the effectiveness of the License, the Parties desire to set forth terms for IRWD's capital cost reimbursement for, and priority rights in, the Return Line, proportional to the capacity therein that will be allocated to IRWD for use with IRWD's wells on its Stockdale West property and future approved IRWD projects.

E. The Parties have determined that as payment for its proportional share of RRB's capital cost of the Return Pipeline, IRWD shall pay to RRB the amount \$201,000, agreed by the Parties to represent one-third of RRB's capital cost for the design and construction of the Return Pipeline.

F. The Parties intend that upon payment of the proportional share of the Return Pipeline to RRB, IRWD shall receive first priority to the use of one-third of the Return Pipeline's permitted 80 cubic feet per second ("cfs") of capacity (~26.6 cfs) and one-third of the Return Pipeline's unpermitted 120 cfs of capacity (~40 cfs; total of 33 1/3 % or 66.6 cfs of permitted and unpermitted) for IRWD's use in conveying water from IRWD's Stockdale West return facilities and future approved IRWD projects, subject to permitting as to the use of currently unpermitted capacity.

G. IRWD is installing the CVC Connections, defined herein, as part of the Stockdale West project. In connection with the installation of the CVC Connections, RRB has or will incur KCWA charges.

H. The Effective date of this Amendment ("Effective Date") shall be the date it is executed by the second Party to execute it.

AMENDMENT

1. The Water Banking Agreement is amended as provided below, for the purpose of (1) setting forth the capital cost participation, priority use rights and operation of the Return Line as part of the Stockdale West Facilities and (2) setting forth IRWD's obligation to pay and reimburse RRB for IRWD's share of all costs, including KCWA charges, attributable to the construction of the CVC Connections as part of the Stockdale West Facilities. Provisions of the Water Banking Agreement will apply to the Return Line and the CVC Connections except as provided otherwise in this Amendment No. 1.
2. Subparagraph 1.B of the Water Banking Agreement is amended to read as follows:

B. Stockdale West Property. The Stockdale West property will be developed for recharge by constructing recharge basins of varying shape, size, and depth, with berms, in, over and upon up to approximately 265 acres (or 82%) of the Stockdale West property. The Stockdale West Property will be developed for recovery by constructing wells the number and location of which will be determined based on modeling of subsurface conditions at the site. The facilities constructed on the Stockdale West property are herein referred to as "Stockdale West Facilities". The Stockdale West Facilities shall include, but are not limited to, the CVC Turnout located approximately 125 feet east of the existing RRB Turnout No. 1 in Pool 3 of the CVC in the northern portion of the Strand Ranch Integrated Banking Project, and the CVC Turn-in located primarily on the Stockdale West property and connecting to the Return Line, defined

below (collectively, the CVC Turnout and CVC Turn-in are defined as the “CVC Connections”).

3. Subparagraph 1.E is added to the Water Banking Agreement, to read as follows:

E. Return Line. The Project Facilities and the Stockdale West Facilities will also include IRWD’s connection to and participation in a one third share of the permitted and unpermitted (by KCWA) capacity (66 ⅔ cfs of 200 cfs) of the CVC Turnout No. 1 CVC Return Line (the “Return Line”). On or prior to the Effective Date of this Amendment, IRWD shall pay to Rosedale the amount of \$201,000, agreed by the parties to represent one-third of Rosedale’s capital cost for the design and construction of the Return Line.

4. Subparagraph 2.A.(1) is amended to read as follows:

A. Priority Rights/Unused Capacity. Except as provided in Section 2.B. below:

(1) IRWD shall have the priority right to use all recharge and recovery capacity of the Stockdale West Facilities for Project purposes. This shall include the IRWD one-third share of the permitted and unpermitted (by KCWA) capacity of RRB’s Return Line (66 ⅔ cfs of 200 cfs). More particularly, IRWD shall have a priority right to the use of one-third of the Return Pipeline’s permitted 80 cubic feet per second (“cfs”) of capacity (~26.6 cfs) and one-third of the Return Pipeline’s unpermitted 120 cfs of capacity (~40 cfs). RRB shall have the right to use any and all recharge and recovery capacity of the Stockdale West Facilities, including the Return Line, when not being used by IRWD. It is understood that rights to use capacity not permitted by KCWA will not be effective until such permitting occurs.

5. Subparagraph 4.C is added to the Water Banking Agreement, to read as follows:

C. Reimbursement of KCWA Charges Relating to Construction of CVC Connections. IRWD agrees to pay and reimburse RRB for IRWD’s share of all costs, including KCWA charges, attributable to the construction of the CVC Connections, including costs and liability incurred by RRB pursuant to the Agreement Between the Kern County Water Agency and Rosedale-Rio Bravo Water Storage District For Construction, Operation, and Maintenance of Stockdale West Turnout, a Permanent Turnout Within the Cross Valley Canal Right Of Way (CVC # 15001), dated December 10, 2015.

6. The License shall become effective on the Effective Date.

7. IRWD shall pay OME&R costs with respect to its use of the Return Line, as provided in Section 9.E of Water Banking Agreement. IRWD shall not be charged for any additional administrative or other costs with respect to the Return Line, except as expressly provided in this Amendment No. 1.

IN WITNESS WHEREOF, each Party has executed this Agreement on the date set forth below opposite its signature, said Agreement to be effective on the later of the two dates, i.e., when both Parties have signed this Agreement (the "Effective Date").

Date: _____

IRVINE RANCH WATER DISTRICT

By: _____

Title: _____

Date: _____

ROSEDALE-RIO BRAVO WATER
STORAGE DISTRICT

By: _____

By: _____

EXHIBIT A

