IRVINE RANCH WATER DISTRICT BOARD OF DIRECTORS REGULAR MEETING

April 23, 2018

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 District 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).

WORKSHOPS

3. <u>PROPOSED OPERATING BUDGET AND RATES AND CHARGES FOR</u> FISCAL YEAR 2018-19

Res. No. 2018-

Recommendation: That the Board adopt a resolution by title approving the Operating Budget for Fiscal Year 2018-19 (with rates and charges for Fiscal Year 2018-19 to be adopted on June 25, 2018) and approve the Proposition 218 notices, subject to non-substantive modifications.

4. FISCAL YEAR 2018-19 CAPITAL BUDGET

Recommendation: That the Board adopt a resolution by title approving the Capital Budget for Fiscal Year 2018-19.

Res. No. 2018-

CONSENT CALENDAR

Resolution No. 2018-10

Items 5-10

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

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

6. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the April 9, 2018 Board meeting be approved as presented.

7. MARCH 2018 TREASURY REPORTS

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report, the Monthly Interest Rate Swap Summary for March 2018, and Disclosure Report of Reimbursements to Board members and staff; approve the March 2018 Summary of Payroll ACH payments in the total amount of \$2,779,102 and approve the March 2018 Accounts Payable Disbursement Summary of Warrants 385062 through 386582, Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$40,337,512.

8. REVIEW OF SAN DIEGO CREEK WATER RIGHTS

Recommendation: Receive and file.

9. <u>OPERATIONS CENTER AIR HANDLER DUCT REPLACEMENT</u> CONSTRUCTION AWARD

Recommendation: That the Board authorize the General Manager to execute a construction contract with Los Angeles Air Conditioning, Inc. in the amount of \$255,756 for the Operations Center Air Handler Duct Replacement.

10. OPERATIONS CENTER COMPUTER ROOM HEATING, VENTILATION, AND AIR CONDITIONING REPLACEMENT CONSTRUCTION AWARD

Recommendation: That the Board authorize the General Manager to execute a construction contract with Los Angeles Air Conditioning, Inc. in the amount of \$215,694.00 for the Operations Center Computer Room Heating, Ventilation and Air Conditioning Replacement Projects.

ACTION CALENDAR

11. <u>CONSTRUCTION INSPECTION SERVICES AGREEMENT</u>

Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with AndersonPenna in the amount of \$1,873,053 for construction inspection services for three inspectors for a two-year period.

12. <u>MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY</u> RECOVERY FACILITIES CONTRACT CHANGE ORDER NO. 78

Recommendation: That the Board approve Contract Change Order No. 78 in the amount of \$344,006.55 with Filanc/Balfour Beatty for several software, structural, piping, and hardscaping items for the Michelson Water Recycling Plant Biosolids and Energy Recovery Facilities, project 04286.

13. AB 2241 (RUBIO): THE OPEN AND TRANSPARENT WATER DATA ACT

Recommendation: That the Board adopt a "Support" Position on AB 2241 (Rubio, D-West Covina).

14. AMENDMENTS TO ENERGY MANAGEMENT SERVICES AGREEMENTS

Recommendation: That the Board authorize the General Manager to execute an Amended and Restated Energy Management Services (DRES Portfolio B) Agreement with Hybrid-Electric Building Technologies West Los Angeles 1, LLC, and Hybrid-Electric Building Technologies West Los Angeles 2, LLC, and an Amended and Restated Energy Management Services Amendment with Redwood Energy Storage, LLC subject to substantive revisions approved by the Engineering and Operations Committee.

15. SOUTHERN CALIFORNIA EDISON DIRECT ACCESS ELECTRIC SERVICE PROGRAM

Recommendation: That the Board concur with staff to accept the offer by Southern California Edison to transfer up to 25 electric service accounts to Direct Access Service, and to negotiate and execute an agreement with an Electric Service Provider to provide electricity for the selected accounts.

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, and 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.

- 16. A. General Manager's Report
 - B. Directors' Comments
 - C. Closed Session
 - a. CONFERENCE WITH LEGAL COUNSEL ANTICIPATED LITIGATION Significant exposure to litigation pursuant to Government Code Section 54956.9(d)(2) (One potential case.).
 - D. Open Session
 - a. Report of any action in Closed Session.
 - E. Adjourn

Availability of agenda materials: Agenda exhibits and other writings that are disclosable public records distributed to all or a majority of the members of the Irvine Ranch Water District Board of Directors in connection with a matter subject to discussion or consideration at an open meeting of the Board of Directors are available for public inspection in the District's office, 15600 Sand Canyon Avenue, Irvine, California ("District Office"). If such writings are distributed to members of the Board less than 72 hours prior to the meeting, they will be available from the District Secretary of the District Office at the same time as they are distributed to Board Members, except that if such writings are distributed one hour prior to, or during, the meeting, they will be available at the entrance to the Board of Directors Room of the District Office. The Irvine Ranch Water District Board Room is wheelchair accessible. If you require any special disability-related accommodations (e.g., access to an amplified sound system, etc.), please contact the District Secretary at (949) 453-5300 during business hours at least seventy-two (72) hours prior to the scheduled meeting. This agenda can be obtained in alternative format upon written request to the District Secretary at least seventy-two (72) hours prior to the scheduled meeting.

April 23, 2018

Prepared by: J. Davis / C. Smithson

Submitted by: C. Clary

Approved by: Paul A. Cook

WORKSHOP

PROPOSED OPERATING BUDGET AND RATES AND CHARGES FOR FISCAL YEAR 2018-19

SUMMARY:

The proposed Fiscal Year (FY) 2018-19 Operating Budget for Irvine Ranch Water District is \$157.1 million. This budget reflects an increase of \$8.5 million or 5.7%, as compared to the FY 2017-18 Operating Budget.

One substantial change to the previous draft of the proposed Operating Budget (presented on April 9, 2018) is that the Orange County Water District (OCWD) increased the replenishment assessment (RA) to \$462 per acre-foot (AF), not to \$472 per AF as originally expected. This change reduces IRWD's cost of water by \$0.5 million. As discussed with the Finance and Personnel Committee, this version of the Operating Budget applies this \$0.5 million to the payback to the Replacement Fund that resulted from borrowing associated with funding of the IRWD Pension Benefits Trust.

Rate increases are necessary to provide for cost of service equity. 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. The proposed adjustment to rates include a low volume rate increase of \$0.04 per hundred cubic feet (ccf), a base commodity rate increase of \$0.19 per ccf, and a \$0.05 increase per month to the service charge for water. For sewer service, staff recommends no change to IRWD's monthly sewer service charge.

Based on the recommendation, a typical residential customer within the District will experience an increase of \$1.58 or 3.0%, from \$52.20 to \$53.78 per month.

The proposed Operating Budget, along the changes discussed above (with redline or highlighted mark-up), is attached as Exhibit "A". The Proposition 218 notices are attached as Exhibit "B". The proposed Resolution approving the Operating Budget for FY 2018-19 is attached as Exhibit "C".

Staff recommends that the Board approve the Resolution and the Proposition 218 notices, subject to non-substantive changes, in order to affect the new rates that will become effective July 1, 2018. The draft powerpoint presentation which staff will provide at the workshop is included as Exhibit "D".

BACKGROUND:

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 2018-19 represents an increase of \$8.5 million over the FY 2017-18 Operating Budget. In addition, staff has budgeted non-operating sources and uses of which the primary drivers are

Board Workshop: Proposed Operating Budget and Rates and Charges for FY 2018-19 April 23, 2018 Page 2

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 \$81.9 million. Quarterly reporting in FY 2018-19 will include a review of actual versus budget results for operating and non-operating revenue and expenses.

Page four of the proposed Operating Budget (summaries tab) included in Exhibit "A" identifies the effects of the proposed rate increases for a typical IRWD residential customer. The details of the tiered rate structure cost allocations based on cost of service were reviewed at the April 9, 2018 Board Workshop.

Attached as Exhibit "B" are the proposed Proposition 218 notices for the District. The rate impact is an increase of 3.0% for the average residential customer, as shown on page four of the Operating Budget. Staff is recommending that the Board approve the proposed Proposition 218 notices, subject to non-substantive changes, which will mailed these notices to the District's customers and property owners.

Staff recommends approval of the proposed resolution approving the Operating Budget for FY 2018-19 attached as Exhibit "C".

Proposed Schedule for the Operating Budget and Rates Adoption:

April 23, 2018	Second Board Workshop to adopt the Proposed Operating Budget and to approve the Proposition 218 Notices for ratepayers
May 4, 2018	Mail Proposition 218 notices to ratepayers / customers
June 22, 2018	Tabulate responses
June 25, 2018	Board Meeting – Public Hearing to review Proposition 218 responses and adopt IRWD's Rates and Charges for FY 2018-19

FISCAL IMPACTS:

Planned operating expenses in the FY 2018-19 Proposed Operating Budget reflect an increase of \$8.5 million from the adopted Operating Budget for FY 2017-18.

It is expected that the proposed rate increases will result in a contribution to the enhancement and replacement funds of approximately \$4.0 million and \$25.1 million for water and sewer, respectively. The conservation fund is expected to generate and use approximately \$11.0 million in FY 2018-19.

COMMITTEE STATUS:

The Committee previously reviewed the Budget and assumptions at its Finance and Personnel Committee meetings on March 8, 2018 and April 3, 2018 and at a Special Finance and Personnel Committee meeting on March 19, 2018.

Board Workshop: Proposed Operating Budget and Rates and Charges for FY 2018-19 April 23, 2018 Page 3

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 2018-19 (WITH RATES AND CHARGES FOR FISCAL YEAR 2018-19 TO BE ADOPTED ON JUNE 25, 2018) AND APPROVE THE PROPOSITION 218 NOTICES SUBJECT TO NON-SUBSTANTIVE MODIFICATIONS.

RESOLUTION NO. 2018 –

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT,
ORANGE COUNTY, CALIFORNIA
APPROVING THE DISTRICT'S OPERATING BUDGET FOR
FISCAL YEAR 2018-19 AND DETERMINING COMPLIANCE WITH
ARTICLE XIIIB OF THE CALIFORNIA CONSTITUTION

LISTOFEXHIBITS:

Exhibit "A" – Proposed Operating Budget Draft for Fiscal Year 2018-19

Exhibit "B" – Proposed Proposition 218 Notices

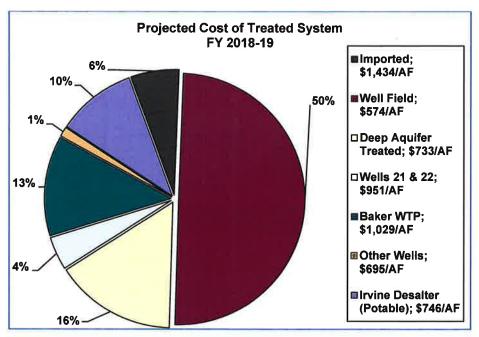
Exhibit "C" – Resolution

Exhibit "D" – Draft PowerPoint Presentation



OPERATING BUDGET

Assumptions as of April 23, 2018 Fiscal Year 2018-19



Groundwater Production

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

- The Replenishment Assessment (RA) in FY 2017-18 was \$445 per AF and the rate used in FY 2018-19 is \$472 462 per AF, an increase of 6.13.8%. 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 is relatively flat.
 - o Chemical expense is relatively flat.
- Primary changes in costs include a \$127 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).

<u>Treated Water – Metropolitan Water District (MWD) and Municipal Water District</u> of Orange County (MWDOC)

- MWD is expected to increase its treated and untreated rates again on January 1, 2019 by 3.4% and 5.2% respectively.
- Staff assumes no substantial change to the costs associated with the IRWD Reservoir Management Systems.

Untreated Water

The sources for untreated water for FY 2018-19 will include purchased water.

 MWDOC purchases, Native Water and SAC water are expected to be used to meet all untreated demands. MWDOC purchases will increase to



OPERATING BUDGET

Assumptions as of April 23, 2018 Fiscal Year 2018-19

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

Additional Contributions Provided by the District							
	FY 17-18 FY 18-						
PERS Employer Contribution	19.3%	19.3%					
PERS in Excess of ARC	<u>5.7%</u>	5.7 7.1%					
Combined Total	25.0%	25.0 <u>26.4</u> %					
District Direct 401A Match	0.3%	0.3%					
401A Matching Contribution of 3%	2.3%	2.8%					

The PERS in Excess of ARC (approximately \$1.8 million) will be used to payback the Replacement Fund borrowing primarily associated with funding of the Pension Benefits Trust.

III. USE OF OTHER FUNDS

A. Over-Allocation Revenue

Over-allocation revenue is used to offset the following expenses:

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

Total conservation expense is expected to meet over allocation revenue in FY 2018-19. The conservation fund is projected to be approximately \$8.0 million at the end of FY 2018-19.

B. Enhancement Fund User Rate Component

The current enhancement fund contribution for both the water and sewer system for FY 2017-18 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 built into these rates for FY 2018-19. It is estimated that the fund balance will be approximately \$50.0 million at the end of FY 2018-19.

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 2018-19, no increase from the prior year. It is estimated that the fund balance will be approximately \$290 million as of the end of FY 2018-19. 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 MWRP Biosolids and Energy Recovery project.



IRVINE RANCH WATER DISTRICT CONSOLIDATED OPERATING BUDGET FOR FY 2018-19

(in thousands)

	Ac	tual		Budget		Budget to Variar	_		
	FY 16-17		Y 2017-18) 12/31/2017		FY 17-18 Approved	ı	2018-19 Proposed	\$	%
Salaries & Benefits									
Regular Labor	\$ 31,297	\$	15,574	\$	32,855	\$	34,981	\$ 2,127	6.5%
Overtime Labor	2,082		999		2,037		2,104	66	3.3%
Contract Labor	1,608		807		1,470		1,846	377	25.6%
Employee Benefits Shift \$490K from Water Purchases	19,109		8,024		17,366		19,124	1,758	10.1%
Salaries & Benefits Total	\$ 54,095	\$	25,404	\$	53,727	\$	58,055	\$ 4,328	8.1%
Purchased Water & Utilities									
Water Purchases Shift \$490K to Employee Benefts	\$ 35,599	\$	21,313	\$	35,287	\$	37,454	\$ 2,168	6.1%
Electricity	11,480		6,947		14,631		14,537	(94)	-0.6%
Fuel	578		268		627		559	(69)	-10.9%
Telecommunication	540		310		566		627	61	10.8%
Other Utilities	161		96		171		182	11	6.7%
Purchased Water & Utilities Total	\$ 48,359	\$	28,934	\$	51,282	\$	53,360	\$ 2,078	4.1%
Material & Supplies									
Chemicals	\$ 2,081	\$	1,503	\$	3,074	\$	3,146	\$ 72	2.3%
Office Supplies	97		42		109		96	(14)	-12.6%
Operating Supplies	1,355		535		1,475		1,498	23	1.6%
Printing	211		70		276		401	125	45.2%
Postage	578		267		594		520	(75)	-12.6%
Permits, Licenses and Fees	1,157		1,494		1,797		1,749	(48)	-2.7%
Duplicating Equipment	175		88		192		174	(18)	-9.4%
Equipment Rental	63		58		114		73	(42)	-36.6%
Material & Supplies Total	\$ 5,717	\$	4,058	\$	7,632	\$	7,656	\$ 23	0.3%
Professional Services									
Rep & Maint OCSD & Other	\$ 15,149	\$	7,036	\$	13,852	\$	13,704	\$ (148)	-1.1%
Rep & Maint IRWD	8,132		3,983		9,683		10,254	571	5.9%
Insurance	1,017		839		1,021		1,085	65	6.3%
Legal Fees	933		857		1,565		1,865	300	19.2%
Engineering Fees	598		463		980		967	(13)	-1.3%
Accounting Fees	116		59		95		102	7	7.4%
Data Processing	3,064		1,511		2,898		2,857	(41)	-1.4%
Personnel Training	947		466		1,247		1,267	20	1.6%
Personnel Physicals	24		11		51		41	(10)	-19.6%
Other Professional Fees	2,886		2,100		4,207		5,087	880	20.9%
Directors Fees	151		75		168		168		0.0%
Professional Services Total	\$ 33,017	\$	17,399	\$	35,766	\$	37,396	\$ 1,630	4.6%
Other									
Mileage Reimbursement	\$ 161	\$	68	\$	140	\$	148	\$ 8	5.7%
Election Expense	145		110		145		145	9≦3	0.0%
Safety	123		79		108		122	14	13.0%
Alarm and Patrol Services	135		235		520		751	231	44.3%
Biosolids Disposals	20				131		20	(111)	-84.7%
Commuter Program	124		87		156		156	150	0.0%
Contract Meter Reading	1,354		692		1,390		1,390		0.0%
Other	340		63		152		142	(10)	-6.7%
Conservation	1,420		349		2,012		2,050	38	1.9%
Other Total	\$ 3,822	\$	1,683	\$	4,753	\$	4,923	\$ 170	3.6%
Grand Total	\$ 145,010	\$	77,478	\$	153,161	\$	161,390	\$ 8,229	5.4%
_ess: Reimbursement from Baker Partners	\$ (1,612)		(2,019)		(4,498)		(4,269)	229	
Grand Total	\$ 143,398	\$	75,459	\$	148,663	\$	157,121	\$ 8,458	5.7%



REVENUES AND EXPENSES BY SYSTEM

(in thousands)

		Water		Sewer	F	Recycled		onserve & NTS	Со	nsolidated
Revenue:							_	0.1110		
Commodity	\$	42,159	\$	120	\$	15,972	\$	1,932	\$	60,063
Service		34,322		51,893		6,813				93,028
Over Allocation								9,080		9,080
Rate Stabilization	\$	70 404	<u> </u>	E4 002	-\$	22.795	-\$	11.012	-\$	160 171
Total Revenues Contribution to Enhancement and	Þ	76,481	\$	51,893	Ф	22,785	Ф	11,012	Ф	162,171
Replacement Funds		(8,520)		(19,500)		(1,120)		-		(29,140)
Net Revenues	\$	67,961	\$	32,393	-\$	21,665	\$	11,012	\$	133,031
	•	,	·	,	·	.,	·	,	·	,
Expenses:	crea	se by \$446k	(.)	[Decr	ease by \$44k	<u>.</u>			
Cost of Water	\$	42,585	\$	(#)	\$	9,764	\$	300	\$	52,349
Operations		11,807		9,831		4,878	/	7,792		34,308
Water Banking Inc	creas	se by \$446K		- [(ncre	ase by \$44K.		169		169
OCSD - O&M	,) 	·	12,554		₩ X		 0		12,554
Total Direct	\$	54,392	\$	22,385	\$	14,642	\$	7,961	\$	99,380
Customer Records and Collections		2,473		1,349		678		æ.		4,500
General & Admin Expense		10,584		7,927		5,808		2,898		27,217
Total Indirect	\$	13,057	\$	9,276	\$	6,486	\$	2,898	\$	31,717
General Plant		512		732		537		153		1,934
Total Expenses	\$	67,961	\$	32,393	\$	21,665	\$	11,012	\$	133,031
Net Operating Position	\$	·	\$		\$	•	\$	***	\$	-



COST OF WATER

BUDGETED COST OF WATER

		FY 2017-18		FY 2018-19		Change		
(in thousands)	Acre Feet	Total	Cost /	Acre Feet	Total	Cost /	Acre Feet	Total
Irvine Ranch Rate Area								
TREATED					Reduce by	y \$274K.		
Purchased from MWDOC	2,960	\$ 4,207	\$1,421	3,463	\$ 4,965	\$1,434	503	\$ 758
Dyer Road Well Field	28,000	16,176	\$578	28,000	16,082	\$574	-	(94)
Other Wells Reduce by \$7K.	700	454	\$648	700	487	\$696	543	34
Deep Aquifer Treatment System	8,000	5,576	\$697	8,700	6,374	\$733	700	798
Lost to Production	(160)			(174)	Reduce by	/ \$85K.	(14)	
Wells 21 & 22 Desalter	2,400	2,181	\$909	2,400	2,281	\$950	=	100
Lost to Production	(360)			(432)	Reduce b	y \$24K.	(72)	
Baker WTP	7,611	8,497	\$1,116	7,232	\$ 7,440	\$1,029	(379)	(1,057)
Well Water	432	39	\$90	0	0		(432)	(39)
Irvine Desalter Project	6,540	4,702	\$719	5,700	4,252	\$746	(840)	(450)
Lost to Production	(981)			(1,026)	Reduce by	\$56K.	(45)	
Total Shrinkage	(2,626)	A 44 000		(2,444)	0.44.004		182	
Total Irvine Ranch Potable	52,516	\$ 41,832		52,118	\$ 41,881		(398)	\$ 50
<u>UNTREATED</u>								
Purchased from MWDOC	1,000	\$ 841	\$841	2,835	\$ 2,472	\$872	1,835	\$ 1,631
Native Water Santiago Aqueduct Commission	3,827 175	811 148	\$212 \$846	1,000 175	245 153	\$245 \$874	(2,827)	(566) 5
Transfer to RW System	(3,091)	(2,009)	\$650	(1,961) (93)	(1,404)	\$716	1,130 (6)	605
Total Shrinkage Total Untreated	1,824	\$ (209)		1,956	\$ 1,467		132	\$ 1,676
Total Ontreated	1,024	\$ (209)		1,930	ψ 1,407		132	Ψ 1,070
Total Potable and Untreated Water	54,340	41,623		54,074	43,348		(266)	1,725
<u>RECYCLED</u>					R	educe by \$4	K.	
Groundwater	0	\$ -	\$ =	435	\$ 201	\$ -	435	\$ 201
Irvine Desalter Project	4,165	2,904	\$697	4,165	3,032	\$738	-	128
Lost to Production	(625)			(625)	Red	uce by \$40k		
MWRP / LAWRP Production	22,300	4,919	\$221	22,890	5,251	\$229	 590	332
Transfer from Untreated System	3,091	2,009	\$650	1,961	1,404	\$716	(1,130)	(605)
Total Shrinkage	(567)			(565)			2	
Total Recycled	28,364	\$ 9,832		28,261	\$ 9,888		(103)	\$ 56
Total Cost of Water for Billed Usage	82,704	\$ 51,455		82,335	\$ 53,235		(369)	\$ 1,781

Irvine Ranch Water District

Consolidated Operating Expense Budget for FY 2018-19

Admir	nistration	2016-17	2017-18 Actual thru	2017-18	2018-19		
Dept N	lo Expense Name	Actual	12/31/17	Orig Budget	Prop Budget	Incr/(Decr)	
Humar	n Resources						
140	Regular Labor	643,110	247,700	667,174	631,862	(35,312)	
140	Overtime Labor	7,532	7,525	5,000	2,000	(3,000)	
140	Employee Benefits	19,108,562	8,024,273	17,365,620	19,123,550 18,633,900	1,757,930	
140	Contract Labor			2,500	3,000	500	
140	Postage		11	100	0	(100)	
140	Office Supplies	2,524	981	2,500	2,500	0	
140	Rep & Maint IRWD	227		1,000	1,000	0	
140	Legal Fees	218,066	81,425	145,000	145,000	0	
140	Personnel Training	295,872	82,069	388,800	399,600	10,800	
140	Personnel Physicals	13,044	8,324	15,000	20,000	5,000	
140	Other Professional Fees	140,763	43,750	179,500	174,200	(5,300)	
140	Safety	178		0	0	0	
140	Commuter Program				156,000	156,000	
Total	Human Resources	20,429,878	8,496,058 —————	18,772,194	20,658,712 20,169,062	1,886,518 1,396,868	
Total	Administration	24,617,685	11,257,445	23,717,736	26,452,186 25,962,536	2,734,450 2,244,800	

Irvine Ranch Water District

Consolidated Operating Expense Budget for FY 2018-19

Water (Operations	2016-17	2017-18 Actual thru	2017-18	2018-19	
Dept No	<u>Expense Name</u>	Actual	Actual thru 12/31/17	Orig Budget	Prop Budget	Incr/(Decr)
Water C	perations					are de linere interestrate
420	Water Purchases	35,599,308	21,312,805	35,286,508	37,454,466	2,167,958
420	Regular Labor	1,761,426	780,737	2,013,302	37,944,116 2,070,218	2,657,608 56,916
420	Overtime Labor	476,938	219,522	453,300	442,290	(11,010)
420	Electricity	8,320,293	4,573,931	9,863,218	9,905,210	41,992
420	Fuel	34,736	27,772	45,800	57,000	11,200
420	Telecommunication	63,785	44,433	53,900	77,900	24,000
420	Other Utilities	41,986	32,586	34,800	47,000	12,200
420	Chemicals	1,288,069	828,472	1,465,004	1,605,544	140,540
420	Operating Supplies	78,057	15,138	64,960	79,200	14,240
420	Permits, Licenses and Fees	121,058	125,855	204,000	251,500	47,500
420	Office Supplies		. 77	0	200	200
420	Equipment Rental	13,492	16,837	9,000	17,000	8,000
420	Rep & Maint OCSD & Other	422,600	460,002	824,300	857,100	32,800
420	Rep & Maint IRWD	684,896	282,406	1,274,130	1,489,588	215,458
420	Engineering Fees	144,742	84,871	117,360	124,756	7,396
420	Data Processing			12,500	12,500	0
420	Personnel Training	409	139	340	1,340	1,000
420	Other Professional Fees	10,822	2,611	78,000	78,000	0
420	Safety			3,000	3,000	0
Total W	Vater Operations	49,062,617	28,808,194	51,803,422 —————	54,573,812 55,063,462	2,770,390 3,260,040

Irvine Ranch Water District

Consolidated Operating Expense Budget for FY 2018-19

Water	Operations	2016-17	2017-18	2017-18	2018-19	
Dept N	o Expense Name	Actual	Actual thru 12/31/17	Orig Budget	Prop Budget	Incr/(Decr)
Constr	uction Services		THE PERSON NAMED IN COLUMN	***************************************		
430	Regular Labor	1,577,737	737,218	1,646,816	1,726,964	80,148
430	Overtime Labor	245,428	39,541	223,000	241,000	18,000
430	Contract Labor	99,883	54,598	125,800	208,960	83,160
430	Telecommunication	193		0	0	0
430	Chemicals	228	634	400	800	400
430	Operating Supplies	152,146	43,503	164,520	144,800	(19,720)
430	Permits, Licenses and Fees	61,979	31,215	88,000	93,000	5,000
430	Equipment Rental		5,781	10,000	12,000	2,000
430	Rep & Maint IRWD	631,645	198,558	473,000	628,000	155,000
430	Personnel Training		1,301	6,390	6,400	10
430	Other Professional Fees	374				
Total (Construction Services	2,769,613	1,112,349	2,737,926	3,061,924	323,998
Total	Water Operations	53,825,855	31,079,672	56,730,194	60,318,666 60,808,316	3,588,472 4,078,122



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	\$32,855	\$1,681	\$6,722	\$4,562	\$1,725	\$3,619	\$6,174	\$4,328	\$4,044
Annual Increase	1,111	119	184	299	99	9	232	163	5
Sub-Total Regular Salaries & Wages	33,966	1,801	6,907	4,861	1,824	3,629	6,406	4,491	4,048
New Positions: Gross Pay	1,015	\$0	\$326	\$0	\$0	\$197	\$222	\$79	\$191_
Total Regular Salaries & Wages	34,981	1,801	7,233	4,861	1,824	3,826	6,628	4,570	4,239
	Increase by \$490	к.							
Insurance and Benefits	8,311	428	1,718	1,155	433	909	1,575	1,086	1,007
Employment Tax & PERS Contributions	10,813	557	2,236	1,502	564	1,183	2,049	1,413	1,310
Total Regular Salaries & Wages, health Insurance and employment taxes	\$54,105	\$2,786	\$11,187	\$7,518	\$2,821	\$5,918	\$10,252	\$7,069	\$6,556
Employee Count:	394	16	85	44	20	40	82	56	52



BENEFITS AND EMPLOYMENT TAX

HEALTH INSURANCE AND EMPLOYER CONTRIBUTIONS

(in thousands)	FY 2017-18	FY 2018-19	Change	
Insurance and Benefits				
Health Ins Actives	\$5,220	\$5,423	\$203	
Dental Premiums	421	442	21	
Wrkrs Comp Premiums	660	692	32	
Wrkrs Comp Paid Claims	612	813	201	
Life Ins Actives	150	153	3	
LT Disability Premiums	103	136	33	
Medical Premiums - Retirees	115	151	36	
Vision Benefit Premiums	85	82	(3)	
RHCAP Payments - OPEB	325	344	19	
Life Ins Retirees	14	11	(3)	
Other	63	64	1	
	\$7,768	\$8,311	\$543	
Employment Tax and PERS		Increase by \$490K.		
PERS Employer Portion	\$6,340	\$7,468	\$1,128	
PERS In Excess Of ARC	1,872	1,787	(85)	
401A Employer Match Portion	734	850	116	
401A Employer Direct Portion	126	160	34	
Medicare Tax	476	498	22	
St Unemployment Tax	50	50	0	
	\$9,598	\$10,813	\$1,215	
Total Insurance, Benefits, and Taxes	\$17,366	\$19,124	\$1,758	

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.
- <u>Fixed Service Charges</u> 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 in more detail at https://www.irwd.com/services/understanding-your-bill. Effective July 1, 2018, 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 2017-18 Rates per ccf	Effective July 1, 2018 per ccf	
Low Volume	0 -40 %	0-50%	\$ 1.36	\$1.40	
Base Rate	41 -100%	51-100%	\$ 1.70	\$1.89	
Inefficient	101-140%	101-120%	\$ 4.09	\$4.73	
Wasteful	141+	121+	\$12.06	\$13.35	

Why Did the Cost of Water Increase?

The main reasons for the change include uncontrollable costs attributed to:

- Pass through charges from the Orange County Water District (OCWD) for pumping local groundwater (3.8% increase) which is the lowest cost of water.
- Pass through charges from the Metropolitan Water District (MWD) for imported water purchased through the regional wholesaler, the Municipal Water District of Orange County (MWDOC) (between 3.4% and 5.2% 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 https://www.irwd.com/services/understanding-your-bill. 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' monthly 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

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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.

Proposed Water Service Fixed Monthly Charges for System Operation and Maintenance						
Residential meter size – homes, condos, apartments	Current Rates	Effective July 1, 2018				
5/8 x ¾"	\$10.30/meter	\$10.35/meter				
3/4" disc meter	\$15.45/meter	\$15.55/meter				
1" disc meter	\$25.75/meter	\$25.90/meter				
1 ½" disc meter	\$51.50/meter	\$51.75/meter				
2" disc meter	\$82.40/meter	\$82.80/meter				
2" turbo meter	\$108.15/meter	\$108,70/meter				
3" turbo meter	\$247.20/meter	\$248.40/meter				
4" turbo meter	\$515.00/meter	\$517.50/meter				
6" turbo meter	\$1.030.00/meter	\$1,035.05/meter				
6" Omni F2 meter	\$1,440.45/meter	\$1,447.50/meter				
8" Omni F2 meter	\$2,561.60/meter	\$2,574.15/meter				
Residential master meter (shared) apartments and condominiums 5/8 x 3/4" meter	\$10.30/meter	\$10.35/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. Customers that remain in the low volume tier for 9 out of 12 months of the prior calendar year 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	Effective July 1, 2018	
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	\$8.40/month	No change	
Treatment Service Charge	\$14.80/month	No change	

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 https://www.irwd.com/services/residential-water-rates to see charges by zone.

Proposed Changes to Pumping Surcharges, Set-up and Reconnection Fees				
Component Current Rates Effective July 1, 2018				
Pumping Surcharges by Zone \$0.21 to \$0.64/ccf \$0.21 to \$0.65/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 effectivedate 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

Residential

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 25 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 25, 2018 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 25 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 Residential 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 in more detail at https://www.irwd.com/services/understanding-your-bill. Effective July 1, 2018, 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 Non Agricultural/Landscape Commodity Rates:

Proposed Potable Non Agricultural/Landscape Commodity Rates			
Tier % of Monthly Water Budget FY 2017-18 Rates per ccf Effective July 1, 2018 per ccf			
Low Volume	0 - 40 %	\$1.36	\$1.40
Base Rate	41 -100%	\$1.70	\$1.89
Inefficient	101-160%	\$4.09	\$4.73
Wasteful	161+	\$ 12.06	\$13.35

Proposed Non-Potable & Recycled Non Agricultural / Landscape Commodity Rates			
Tier % of Monthly Water Budget FY 2017-18 Rates per ccf Effective July 1, 2018 per ccf			
Low Volume	0 -40 %	\$1.01	\$1.13
Base Rate	41 -100%	\$1.36	\$1.47
Inefficient	101-140%	\$2.33	\$3.11
Wasteful	141+	\$5.08	\$6.44

Proposed Agricultural Commodity Rates:

Proposed Agricultural Potable Commodity Rates				
Tier FY 2017-18 Rates per ccl Effective July 1, 2018 per ccf				
Base Rate	\$2.36	\$2.62		

Proposed Agricultural Non-Potable / SAC Commodity Rates			
Type FY 2017-18 Rates per ccf Effective July 1, 2018 per ccf			
Non-Potable	\$1.40	\$1.58	
SAC Water	\$1.66	\$1.75	

Proposed Recycled Agricultural Commodity Rates				
Tier FY 2017-18 Rates per ccf Effective July 1, 2018 per ccf				
Base Rate	\$1.40	\$1.52		

Why Did the Cost of Water Increase?

The main reasons for the change include uncontrollable costs attributed to:

 Pass through charges from the Orange County Water District (OCWD) for pumping local groundwater (3.8% increase) which is the lowest cost of water. Pass through charges from the Metropolitan Water District (MWD) for imported water purchased through the regional wholesaler, the Municipal Water District of Orange County (MWDOC) (between 3.4% and 5.2% 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. 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

Туре	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 www.irwd.com for specific details about the calculation.

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 https://www.irwd.com/services/understanding-your-bill. 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 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 2017-18 Rates	Effective July 1, 2018	
5/8" x 3/4" disc	\$10.30/meter	\$10.35/meter	
¾" disc	\$15.45/meter	\$15.55/meter	
1" disc	\$25.75/meter	\$25.90/meter	
1 ½" disc	\$51.50/meter	\$51.75/meter	
2" disc	\$82.40/meter	\$82.80/meter	
3" compound	\$164.80/meter	\$165.60/meter	
4" compound	\$309.00/meter	\$310.50/meter	
6" compound	\$515.00/meter	\$517.50/meter	
8" compound	\$991.40/meter	\$996.25/meter	
10" compound	\$1,133.00/meter	\$1,138.55/meter	
14" compound	\$1,802.50/meter	\$1,811.35/meter	
2" turbo	\$108.15/meter	\$108.70/meter	
3" turbo	\$247.20/meter	\$248.40/meter	
4" turbo	\$515.00/meter	\$517.50/meter	
6" turbo	\$1,030.00/meter	\$1,035.05/meter	
8" turbo	\$1,802.50/meter	\$1,811.35/meter	
10" turbo	\$2,163.00/meter	\$2,173.60/meter	
2" magnetic	\$160.15/meter	\$160.95/meter	
4" magnetic	\$640.15/meter	\$643.30/meter	
6" magnetic	\$1,440.45/meter	\$1,447.50/meter	

8" magnetic	\$2,561.60/meter	\$2,574.15/meter
6" propeller	\$695.25/meter	\$698.65/meter
8" propeller	\$927,00/meter	\$931.55/meter
10" propeller	\$1,236.00/meter	\$1,242.05/meter
12" or 14" propeller	\$1,738.15/meter	\$1,746.65/meter
16", 18" or 20" propeller	\$2,935.50/meter	\$2,949.90/meter
4" Omni F2	\$640.15/meter	\$643.30/meter
6" Omni F2	\$1,440.45/meter	\$1,447.50/meter
8" Omni F2	\$2,561.60/meter	\$2,574.15/meter
10" Omni F2	\$2,935.50/meter	\$2,949.90/meter

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 FY 2017-18 Rates Effective July 1, 2018				
Pumping Surcharges by Zone \$0.21 to \$0.64/ccf \$0.21 to \$0.65/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 importedwater 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 25 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 25, 2018 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 25 publichearing.

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.

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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 each month. It is based on the cost of local and imported water.
- <u>Fixed Service Charges</u> 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*. Effective July 1, 2018, IRWD is proposing a commodity charge increase 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 2017-18 Rates per ccf Effective July 1, 2018 per ccf			
Base Rate 0 -100 % \$1.70 \$1.89			
Wasteful 101+ \$12.06 \$13.35			

	Proposed Recycled Water	Commercial Commodity Ra	ites
Tier	% of Monthly Water Budget	FY 2017-18 Rates per ccf	Effective July 1, 2018 per cof
Base Rate	0 -100 %	\$0.95	\$1.07
Wasteful	101+	\$5.08	\$6.44

Why Did the Cost of Water Increase?

The main reasons for the change include uncontrollable costs attributed to:

- Pass through charges from the Orange County Water District (OCWD) for pumping local groundwater (3.8% increase) which is the lowest cost of water
- Pass through charges from the Metropolitan Water District (MWD) for imported water purchased through the regional wholesaler, the Municipal Water District of Orange County (MWDOC) (between 3.4% and 5.2% 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 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 <u>www.irwd.com</u>. 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 presented 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 2017-18 Rates	Effective July 1, 2018			
5/8" x ¾" disc	\$10.30/meter	\$10.35/meter			
¾" disc	\$15.45/meter	\$15.55/meter			
1" disc	\$25.75/meter	\$25.90/meter			
1 ½" disc	\$51.50/meter	\$51,75/meter			
2" disc	\$82.40/meter	\$82.80/meter			
3" compound	\$164.80/meter	\$165.60/meter			
4" compound	\$309.00/meter	\$310.50/meter			
6" compound	\$515.00/meter	\$517.50/meter			
8" compound	\$991.40/meter	\$996.25/meter			
10" compound	\$1,133.00/meter	\$1,138.55/meter			
14" compound	\$1,802.50/meter	\$1,811.35/meter			
2" turbo	\$108.15/meter	\$108.70/meter			
3" turbo	\$247.20/meter	\$248,40/meter			
4" turbo	\$515.00/meter	\$517.50/meter			
6" turbo	\$1,030.00/meter	\$1,035.05/meter			
8" turbo	\$1,802,50/meter	\$1,811.35/meter			
10" turbo	\$2,163.00/meter	\$2,173.60/meter			
2" magnetic	\$160.15/meter	\$160.95/meter			
4" magnetic	\$640.15/meter	\$643.30/meter			
6" magnetic	\$1,440.45/meter	\$1,447.50/meter			
8" magnetic	\$2,561,60/meter	\$2,574.15/meter			
6" propeller	\$695.25/meter	\$698.65/meter			
8" propeller	\$927.00/meter	\$931.55/meter			
10" propeller	\$1,236.00/meter	\$1,242.05/meter			
12" or 14" propeller	\$1,738.15/meter	\$1,746.65/meter			
16", 18" or 20" propeller	\$2,935.50/meter	\$2,949.90/meter			
4" Omni F2	\$640.15/meter	\$643.30/meter			
6" Omni F2	\$1,440.45/meter	\$1,447.50/meter			
8" Omni F2	\$2,561.60/meter	\$2,574.15/meter			
10" Omni F2	\$2,935.50/meter	\$2,949.90/meter			

Sewer Fixed Service Charges: There is no proposed increase for the fixed monthly sewer service charge of \$25.75. 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 Chang	ges for Sewer Quantity and Industrial Waste Ch	narges
Component	FY 2017-18 Rates	Effective July 1, 2018
Sewer Quantity Charge > 10 ccf's	\$2.74 per ccf	No change
Industrial Waste Charge	\$0.134 per ccf	No change
Collection Service Charge	\$8.40/month	No change
Treatment Quantity Charge	\$14.80/month	No change
OCSD Special Permit Discharge Rate	Up to \$1,377.56 per million gallons	Up to \$1,433.49 per million gallons

Proposed Fats Oil a	and Grease (FOG) Charges	
Component	FY 2017-18 Rates	Effective July 1, 2018
Grease Interceptor Charge	\$250 Bi-annually	\$7.33/month
Conditional Waiver Charge	\$250 Bi-annually	\$2.96/month

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 <u>www.irwd.com</u> to see charges by zone.

Proposed Changes to Pun	npi <mark>ng</mark> Surcharges, Set-up and Reconnection F	ees
Component	FY 2017-18 Rates	Effective July 1, 2018
Pumping Surcharges by Zone	\$0.21 to \$0.64/ccf	\$0.21 to \$0.65/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 importedwater 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 effectivedate 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 25 will be tabulated and presented to the Board of Directors at a public hearing regarding the rate increase to be held on June 25, 2018 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 25 publichearing.

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. 2018 -

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT,
ORANGE COUNTY, CALIFORNIA
APPROVING THE DISTRICT'S OPERATING BUDGET FOR
FISCAL YEAR 2018-19 AND DETERMINING COMPLIANCE WITH
ARTICLE XIIIB OF THE CALIFORNIA CONSTITUTION

WHEREAS, the Board of Directors of the Irvine Ranch Water District (IRWD) has considered the financial needs of IRWD for purposes of operational costs during Fiscal Year 2018-19; and

WHEREAS, an Operating Budget, as set forth in the attached Exhibit "A", has been prepared and reviewed by this Board of Directors; and

WHEREAS, Article XIIIB 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 XIIIB 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 Section 9 of Article XIIIB excludes from the appropriations subject to limitation an appropriation for debt service or for a qualified capital outlay project, defined by statute as an appropriation for a fixed asset (including land and construction) with a useful life of 10 or more years, and a value which equals or exceeds one hundred thousand dollars (\$100,000); and

WHEREAS, IRWD's Operating Budget for Fiscal Year 2018-19 is totally funded from user charges which are excluded from the appropriations formula established by Article XIIIB, Section 8, and other monies that are not proceeds of taxes, such as proceeds of bonds or other indebtedness, and/or are expenditures for debt service or qualified capital outlay projects pursuant to Article XIIIB, Section 9.

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 XIIIB of the Constitution of the State of California, IRWD's Operating Budget for Fiscal Year 2018-19 is hereby determined to be funded totally by revenues other than the proceeds of taxes as defined in Article XIIIB, Section 8(c), and/or that the expenditures identified in the Operating Budget are funded by other monies that are not proceeds of taxes, such as proceeds of bonds or other indebtedness, and/or are expenditures for debt service or qualified capital outlay projects pursuant to Article XIIIB, Section 9, 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 2018-19 is in compliance with the provisions of Article XIIIB 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 2018-19 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 2018-19 is consistent with the recommendations of the cost of service study approved on June 8, 2015.

Section 5. That the Operating Budget for IRWD for Fiscal Year 2018-19 as set forth in the Summary of the Operating Budget dated April 23, 2018 which is by this reference incorporated herein, be and the same is hereby approved.

ADOPTED, SIGNED AND APPROVED this 23rd day of April, 2018.

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: LEWIS BRISBOIS Legal Counsel – IRWD

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Board Meeting April 23, 2018



Schedule for Budget & Rate Adoption

FY 2018-19 Operating Budget and Rates

March 8 F&P Committee: Preliminary Budget Review

March 19 Special F&P Committee: Detailed Budget Review

April 3 F&P Committee: Budget Update, Impact on Rates

April 9 First Board Workshop

April 23 Second Board Workshop: Staff recommends adoption

of Budget and approval of Proposition 218 Notices

May 4 Proposition 218 Notices mailed

June 25 Adopt FY 2018-19 Rates & Charges

iivine Ranch Water District



Agenda

First Workshop (held April 9th):

- · Detailed Budget Review- FY 2018-19
 - 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:

- Budget Update OCWD action
- Recap Budget Highlights FY 2018-19
- Impact/Comparison of Rates
- Non-Operating Sources and Uses
- · Detailed Review of the Proposition 218 Notices
- · Recommendations and Next Steps

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FY 2018-19 Operating Budget

Changes from April 9, Public Hearing

- OCWD RA decrease from \$472 / AF to \$462 / AF reduces cost of water by \$0.5 million
- Average residential rate decreases from 3.0% to 2.7%
- Impact to rates:
 - \$0.02 / ccf for Low Volume
 - \$0.01/ ccf for Base
- Committee recommendation
 - No change in rates
 - Increase payback to the Replacement Fund by \$0.5 million

Irvine Ranch Water District



FY 2018-19 Operating Budget

Comparison of key drivers with prior year budget (in millions):

	Adopted	Proposed	Increase /	
Consolidated Budget	FY 17-18	FY 18-19	(Decrease)	%
Salaries and Benefits	\$53.7	\$58.1	\$4.4	8.1%
Purchased Water	\$35.3	\$37.4	\$2.1	5.9%
Repairs and Maintenance	\$23.5	\$24.0	\$0.5	2.1%
Electricity	\$14.6	\$14.5	(\$0.1)	-0.7%
Other Expenses	\$21.5	\$23.1	\$1.6	7.7%
Total	\$148.6	\$157.1	\$8.5	5.7%

Irvine Ranch Water District

	SOURC	ES AND U	JSE:	S	_			
(in thousands)	Water	Sewer	Re	ecycled		onserve & NTS		Total
Revenue:	0.40.450	•		45.070	\$	1,932	, .	60,064
Commodity Service	\$ 42,159 34,322	\$ - 51,893	\$	15,972 6,812	Ф	1,932	Ф	93,027
Over-Allocation	34,322	51,095		0,012		9,079		9,079
Total Revenues	\$ 76,481	\$ 51,893	\$	22,785	\$		\$	162,171
Contribution to Enhancement and Replacement Funds	(8,520)	(19,500)		(1,120)		·		(29,140
Net Revenues	\$ 67,961	\$ 32,393	\$	21,665	\$	11,012	\$	133,031
Expenses:								
Total Direct	\$ 54,392	\$ 22,385	\$	14,642	\$	7,961	′ \$	99,380
Total Indirect	13,058	9,276		6,486		2,898		31,718
General Plant	512	732		537		153		1,934
Total Expenses	\$ 67,961	\$ 32,393	\$	21,665	\$	11,012		133,031

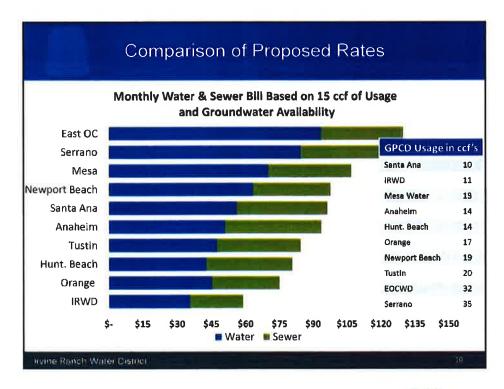




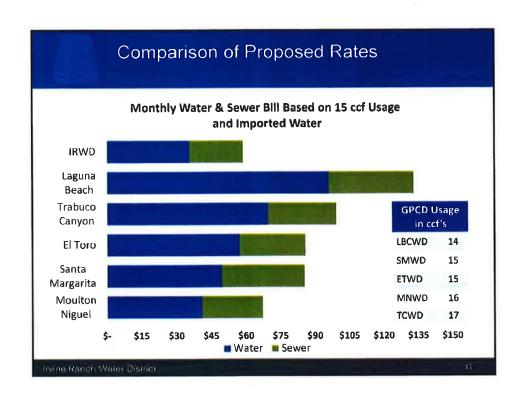
	Low	Base		
liers	Volume	Rate	Inefficient	Wasteful
owest Cost Source of Water	\$1.35			
District Wide Conservation	\$0.05	\$0.05	\$0.05	\$0.05
Melded Cost of Water		\$1.84		
Blended Cost of Baker and Potable Impe	ort		\$3.21	
oaded Cost of Imported Water				\$3.35
Water Banking				\$0.25
Conservation			\$0.90	\$2.87
Natural Treatment Systems (NTS)			\$0.57	\$6.83
Total Cost per Tier per ccf	\$1.40	\$1.89	\$4.73	\$13.35
Y 2017-18 Rates by Tier	\$1.36	\$1.70	\$4.09	\$12.06
Change	\$0.04	\$0.19	\$0.64	\$1.29
ercentage Change	2.9%	11.2%	15.6%	10.7%
Jse of Sinking Fund for Rate Parity (M)	\$0.7	\$1.1		

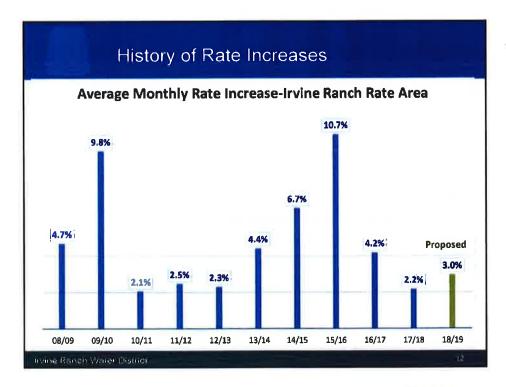


Typical Residential Cu	stomer			
	Current Rate FY 2017-18	Proposed Rate FY 18-19	Rate Change	% Change
Water				
Service Charge *	\$ 10.30	\$ 10.35	\$ 0.05	
Commodity Charge **	18.70	20.23	<u>1.53</u>	
Total Water Charge	\$ 29.00	\$ 30.70	\$ 1.58	
Sewer				
Service Charge *	\$ 23.20	\$ 23.20	\$ 0.00	
Total Typical Residential Monthly Bill	\$ 52.20	\$ 53.78	\$ 1.58	3.0%
Treated water service char include components for en fund.				

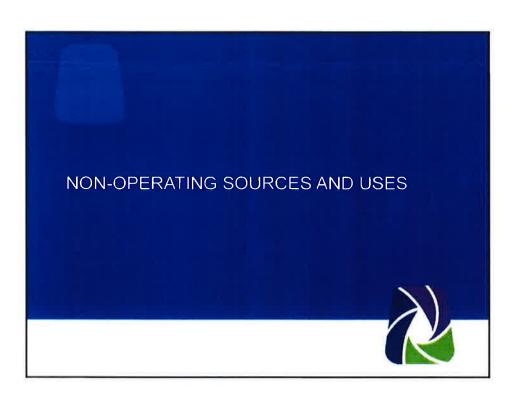












FY 2018-19 No	n-C	peratii	ng	Budge	t
NON-OPERATIN	G SO	LIBOES 9	Her	S OF FIL	NDC
NON-OF ENAME		thousands)	USL	_3 OF FU	NDS
	FY	2017-18	FY	2018-19	Change
Revenues:					
Property Taxes	\$	52,500	\$	59,300	\$ 6,800
Investment Income		4,200		4,768	568
Connection Fees		26,000		20,000	(6,000)
Real Estate Income		13,400		17,000	3,600
Real Estate Fair Value Change				6,300	6,300
Other Income		8,000		8,000	2
Total Revenue	\$	104,100	\$	115,368	\$ 11,268
Expenses:					
Interest Expense	\$	28,300	\$	26,294	\$ (2,006)
Real Estate Expense		7,300		5,170	(2,130)
Other Expenses		2,000		2,000	
Total Expense	\$	37,600	\$	33,464	\$ (4,136)
Net Sources and Uses	\$	66,500	\$	81,904	\$ 15,404
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PROPOSITION 218 NOTICES

Customer friendly 2-3 page format

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

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PROP 218 STRUCTURE

Proposed Commodity Rates

	Proposed Reside	ntial Commodity R	ates
Tler	% of Monthly Water Budget	FY 2017-18 Rates per ccf	Effective July 1, 2018 per ccf
Low Volume	0 -40 %	\$ 1.36	\$1.40
Base Rate	41 -100%	\$ 1.70	\$1.89
Inefficient	101-140%	\$ 4.09	\$4.73
Wasteful	141+	\$12.06	\$13.35

Tryine Riurch Water District

PROP 218 STRUC	TURE	
Proposed Water Service Fixed	l Monthly Charge	s for System
Operation and	l Maintenance	
Residential meter size – homes, condos, apartments	Current Rates	Effective July 1 2018
5/8 x ¾"	\$10.30/meter	\$10.35/meter
%" disc meter	\$15.45/meter	\$15.55/meter
1" disc meter	\$25.75/meter	\$25.90/meter
1 ½" disc meter	\$51.50/meter	\$51.75/meter
2" disc meter	\$82.40/meter	\$82.80/meter
2" turbo meter	\$108.15/meter	\$108.70/meter
3" turbo meter	\$247.20/meter	\$248.40/meter
4" turbo meter	\$515.00/meter	\$517.50/meter
6" turbo meter	\$1,030.00/meter	\$1,035.05/meter
6" Omni F2 meter	\$1,440.45/meter	\$1,447.50/meter
8" Omni F2 meter	\$2,561.60/meter	\$2,574.15/meter
Residential master meter (shared) apartment and condominiums (5/8 x 3/4" meter)	\$ \$10.30/meter	\$10.35/meter



Usage	Current Rates	Effective July 1,
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	\$8.40/month	No Change
Treatment Service Charge	\$14.80/month	No Change

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



			odity Rates
	والمراكا وعوالية	per	ccf
Tier	% of Monthly Water Budget	FY 2017-18 Rates	Effective July 1, 2018
Low Volume	0 -40 %	\$1.01	\$1.13
Base Rate	41 -100%	\$1.36	\$1.47
Inefficient	101-140%	\$2.33	\$3.11
Wasteful	141+	\$5.08	\$6.44
Proposed	Recycled W	ater Agricul	tural Rates
		per co	fullering
Tier	FY 2	2017-18 Rates	Effective July 1, 2018
Base Rate		\$1.40	\$1.52

	Rate		mmodity
		per	ccf
Tier	% of Monthly Water Budget	FY 2017-18 Rates	Effective July 1, 2018
Base Rate	0 -100 %	\$1.70	\$1.89
Wasteful	101+	\$12.06	\$13.35
Propo	sed Recycled Commodi		nercial
		per	ccf
Tier	% of Monthly Water Budget	FY 2017-18 Rates	Effective July 1, 2018
Tier Base Rate		FY 2017-18	Effective July 1, 2018 \$1.07



PROP 218 STRUCTURE

Other Required Disclosures

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

Irvine Ranch Water District

Recommendations & Next Steps

Recommended Board Actions:

- Adopt the Resolution to Approve the FY 2018-19 Operating Budget
- 2. Approve the Proposition 218 Notices

Next Steps:

- 1. Mail Proposition 218 Notices (~May 4)
- 2. Auditors to receive and Tabulate Responses over 45 day period
- 3. June 25, 2018: Adopt proposed Rates & Charges effective July 1, 2018
- 4. 1st Bills with application of new rates will occur in August.

Irvine Ranch Water District

9.6







April 23, 2018

Prepared by: E. Akiyoshi/M. Robinson

Submitted by: K. Burton (KLB)

Approved by: Paul A. Cook

BOARD WORKSHOP

FISCAL YEAR 2018-19 CAPITAL BUDGET

SUMMARY:

Staff will provide a presentation on the forecasted Fiscal Year (FY) 2018-19 Capital Budget. The projected expenditures for the FY 2018-19 Capital Budget are \$94.8 million. This item is presented for information and discussion purposes prior to Board adoption of the FY 2018-19 Capital Budget.

BACKGROUND:

The forecasted capital expenditures for the upcoming fiscal year are presented annually to the Engineering and Operations Committee and Board for review. The presentation, attached as Exhibit "A", includes an update on FY 2017-18 budget-to-actual capital expenditures, and forecasted FY 2018-19 capital expenditures.

In the current fiscal year, FY 2017-18, budgeted expenditures were originally estimated at \$97.2 million. Actual expenditures on projects identified in last year's projected expenditures are forecasted at approximately \$92.1 million (approximately 95% of projected expenditures).

Estimated capital expenditures for FY 2018-19 are \$94.8 million. Three project groups will consist of approximately 50% of projected expenditures: 1) Replacement and Rehabilitation projects, 2) Michelson Water Recycling Plant Biosolids and Energy Recovery Facilities, and 3) Regional Development.

FISCAL IMPACTS:

The following table shows the major capital projects for FY 2018-19. The FY 2018-19 Capital Budget, attached as Exhibit "B", provides details on all capital projects with anticipated expenditures in FY 2018-19.

Board Workshop: Fiscal Year 2018-19 Capital Budget

April 23, 2018

Page 2

Project	FY 2018-19 (\$ Million)
Replacement & Rehabilitation	\$18.4
MWRP Biosolids & Energy Recovery Facilities	\$18.4
Regional Development (Eastwood Pump Station)	\$11.0
OCSD Capital Expenditures	\$9.7
Zone 1 Reservoir No. 2	\$6.2
Development - Great Park Area	\$3.9
Irvine Lake Pipeline Zone C+ Conversion	\$3.7
Well Rehabilitation	\$3.2
General Plant Capital	\$2.7
Nonpotable Storage	\$2.1
Subtotal	\$79.3
Total All Projects	\$94.8

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on April 17, 2018.

RECOMMENDATION:

THAT THE BOARD ADOPT THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2018 -

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT, ORANGE COUNTY CALIFORNIA, APPROVING THE DISTRICT'S CAPITAL BUDGET FOR FISCAL YEAR 2018-19

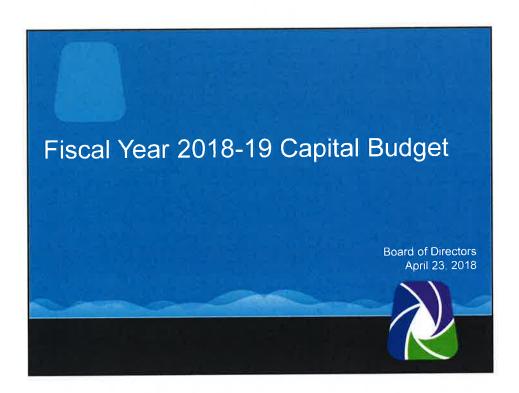
LIST OF EXHIBITS:

Exhibit "A" - Capital Budget Presentation

Exhibit "B" - FY 2018-19 Capital Budget

Exhibit "C" – Resolution

EXHIBIT "A"



Presentation Outline

- Review Fiscal Year (FY) 2017-18 budget
- Review Proposed FY 2018-19 budget
- Update the Long-Term Capital Program

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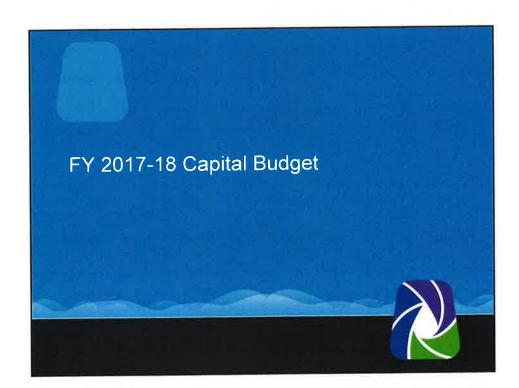


Annual Capital Budget

Accomplishes the following objectives

- · Identifies all capital projects for next year
- Obtains Board approval for the capital budgets
- · Forecasts annual capital expenditures
- Identifies "Flagged" projects for further Board discussion

irvine Ranch Whier District





Description	Budgeted Expenditures (\$ Millions)*	Actual Expenditures (\$ Millions)*
Top 10 project groups	82.9	76.3
Other projects	14.3	15.8
Subtotal	\$97.2	\$92.1

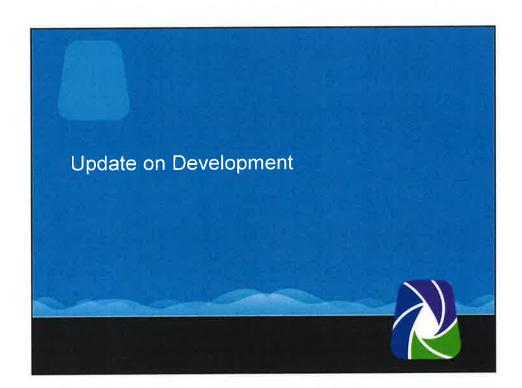
	Compare Budgeted to Actual E	xpendit	ures
No.	Description	Budgeted (\$ Millions)	Actual (\$ Millions)*
1	Irvine Lake Pipeline Conversion Projects	16.2	8.2
2	MWRP Biosolids & Energy Recovery Facilities	15.4	19.0
3	OCSD Capital Expenditures	9.8	33.5
4	System Repair and Rehabilitation	9.8	5.5
5	Operational Enhancement Projects	9.6	2.7
6	Annual Operational System Repair and Rehabilitation	7.6	3.3
7	Asset Optimization	4.3	0.1
8	Development - Regional Projects	4.2	1.3
9	Water Resources (UCI RW Conversions)	3.2	1.1
10	Well Rehabilitation	2.8	1.6
	Other Projects	14.3	15.8
	tal offsets = \$9-10 Million ecited through June 2018	\$97.2	\$92.1
livin	e Ranch Water District		4



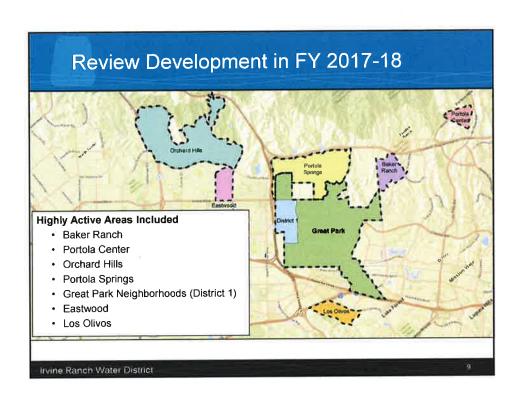
Review "Under-Expended" Projects

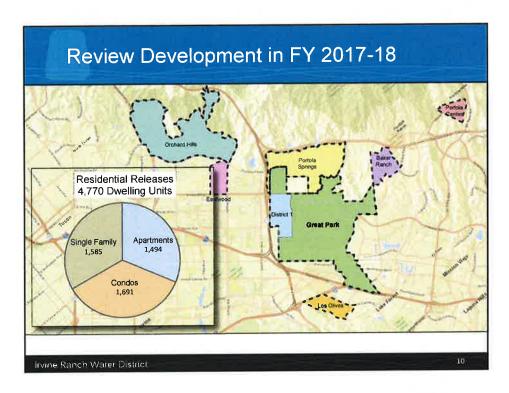
Description	Under Expended (\$ Millions)
Irvine Lake Pipeline North Conversion	-8.0
Asset Optimization	-4.1
Zone 1 Reservoir	-2.6
Wells 11 and 15 Surge Tank Replacement	-1.5
DRWF Rehabilitation	-1.3
OPA Zone C+ Pipelines	-1.1
Service Line-Valve-Main Replacement	-1.1
Newport Coast Lift Station Improvements	-1.0

Irvine Ranch Water District

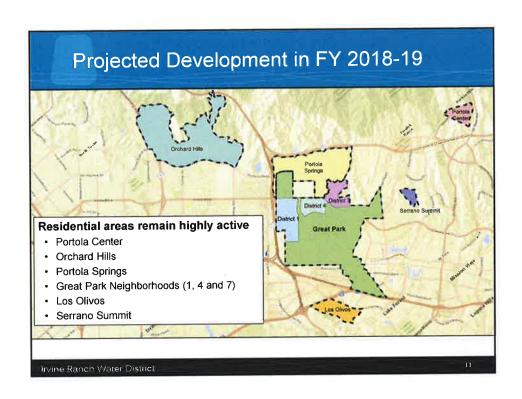


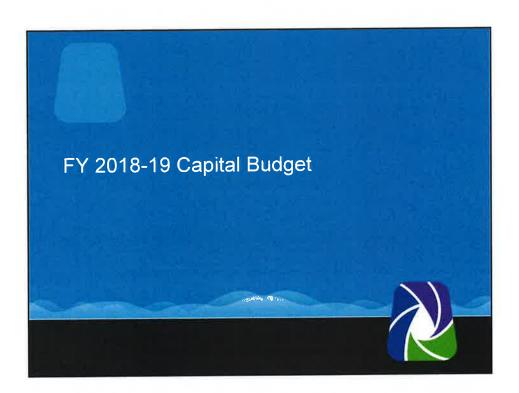




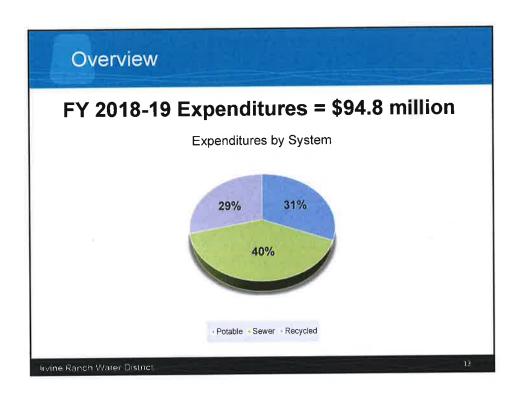






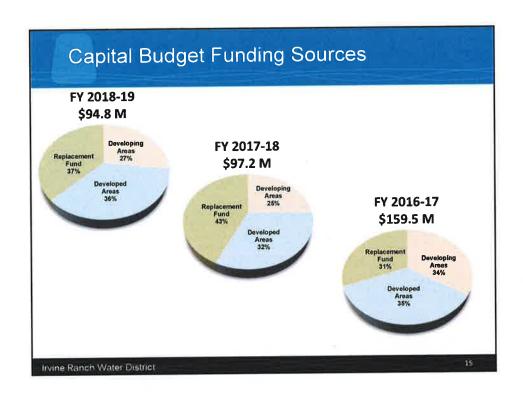






No.	Description	Forecasted Expenditures (\$ Millions)*
1	Replacement & Rehabilitation	18.4
2	MWRP Biosolids & Energy Recovery Facilities	18.4
3	Regional Development (Eastwood Pump Station)	11.0
4	OCSD Capital Expenditures	9.7
5	Zone 1 Reservoir No. 2	6.2
6	Development - Great Park Area	3.9
7	Irvine Lake Pipeline Zone C+ Conversion	3.7
8	Well Rehabilitation	3.2
9	General Plant Capital	2.7
10	Non-Potable Storage	2,1
	Subtotal	\$79.3
	Other Projects	15.5
Capita	offsets ≈ \$1-2 Million.	\$94.8





FY 2018-19 Flagged Projects

Flagged projects require additional Board review prior to capital expenditures. FY 2018-19 flagged projects include:

01402 - Wells 51/52/53 Treatment Alternatives Study

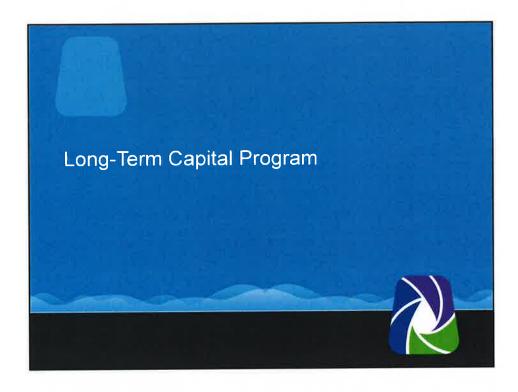
03808 - Syphon Reservoir Improvements

07140 - Tustin Legacy Red Hill Well Drilling And Equipping

All projects with start dates beyond the FY 2018-19 must be presented to the Board prior to any expenditures.

Irvine Ranch Water District



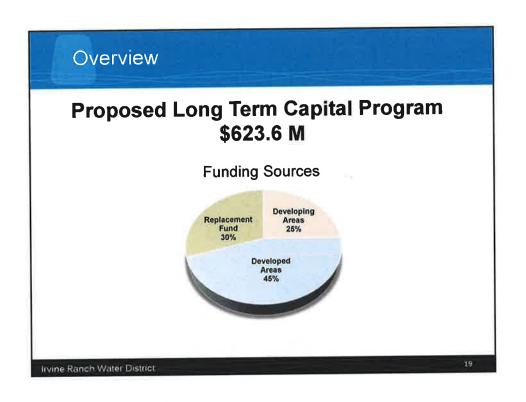


Long Term Capital Program Description

- Identifies all planned capital projects through 2050
- · Includes three years of replacement projects
- Excludes Replacement Planning Model 100-year funding requirements
- Provides data to the Financial Enterprise Model for setting Connection Fees, Property Taxes, and User Rates
- · Estimates capital cash flow

irvine Ranch Water District

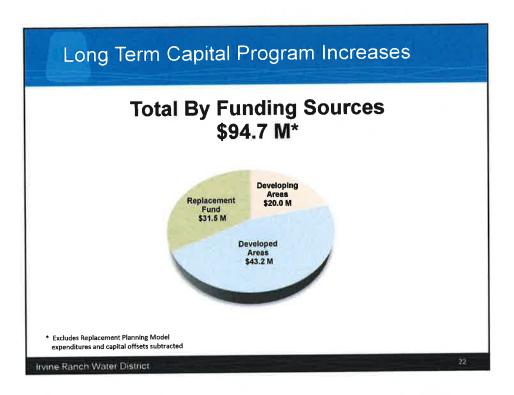




Long Term Capital Program Summary Component 1 Evaluation (Smillions) FY 2017-18 Unexpended LTCP Forecasted FY 2017-18 Expenditures Proposed FY 2018-19 Increases 94.7 Total FY 2018-19 Unexpended LTCP \$623.6



Project Groups	Increases Including Offsets (\$ Millions)
DCSD - CORF - Solids Lease	59.4
Syphon Reservoir Improvements	11.2
Extending OCWD Annexation	10.1
Development (PA-51, IIC East Zone "B" PS)	6.3
Operational	3.9
Other	3.8
Total	\$94.7





Recommendation

THAT THE BOARD ADOPT THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2018 -

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT, ORANGE COUNTY CALIFORNIA, APPROVING THE DISTRICT'S CAPITAL BUDGET FOR FISCAL YEAR 2018-19

ii vine Ranch Water District



CAPITAL BUDGET

FISCAL YEAR 2018-19

Adopted April 23, 2018



Irvine Ranch Water District 15600 Sand Canyon Avenue Irvine, CA 92618

FISCAL YEAR 2018-19 CAPITAL BUDGET

TABLE OF CONTENTS

<u>TAB</u>

DESCRIPTION

- 1. Project Expenditures by Project Number with Improvement District Allocations
- 2. Flagged Projects
- 3. Project Expenditure Groups
- 4. Water Improvement District Map
- 5. Sewer Improvement District Map

Irvine Ranch Water District Fiscal Year 2018-19 Capital Budget

Section 1 - Projected Expenditures by Project

														Imp	rovem	ent Dist	ricts								
System	Project	Project Title	Start	End	FY18-19 Direct	Total Direct	1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2220	2120	2130	2250	2400	2530	256	2850	2880
Potable Capital	10512	ASPHALT REPLACEMENT 18/19-DW	7/1/18	6/30/19	\$220,000	\$220,000	100.0																		
Recycled Capital	10513	ASPHALT REPLACEMENT 18/19-RW	7/1/18	6/30/19	\$220,000	\$220,000	TO U	53	3/3	EI	= =					100.0		7		H	N.				
Sewer Capital	10514	ASPHALT REPLACEMENT 18/19-SS	7/1/18	6/30/19	\$110,000	\$110,000										100.0									
Potable Capital	01264	ASSET OPTIMIZATION-LAKE FOREST DEVELOPMENT	7/1/06	12/31/18	\$465,340	\$7,345,000	100 0			PIVI	111										100		118		
Potable Capital	06210	ASSET OPTIMIZATION-SAND CANYON PROFESSIONA	2/1/16	7/31/20	\$67,807	\$17,624,300	100.0																		
Potable Capital	10558	BAKER PIPELINE CAPACITY PURCHASE	7/1/18	6/30/19	\$357,500	\$357,500		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5		-								
Potable Capital	10559	BAKER WTP FENCING & ACCESS IMPROVEMENTS	7/1/18	12/31/19	\$114,773	\$762,500		32.6	3,3	3.0	47,5	11.1	0.4	1.6	0.5										_
Sewer Capital	10347	BUSINESS INTELLIGENCE (BI) DISASTER RECOVERY (D	9/1/17	12/31/18	\$58,125	\$155,000			, X	107	9.5	1 2				100.0	-		× 110	100	13. W	57		0 3	
Potable Capital	10345	BUSINESS INTELLIGENCE (BI)DISASTER RECOVERY (D	9/1/17	12/31/18	\$58,125	\$155,000	100.0																		
Potable Capital	06159	CANADA ROAD JOINT BONDING	6/1/18	6/30/22	\$6,486	\$233,200	100.0	331		بالتي						1,00									
Potable Capital	07053	CAPITAL PLANNING SUPPORT 18/19 DW	7/1/18	6/30/19	\$400,000	\$400,000		32.6	3.3	3.0	47.5	11:1	0.4	1.6	0.5		900	#/50mg/		-	B1 850			525.63+0	_
Recycled Capita	07052	CAPITAL PLANNING SUPPORT 18/19 RW	7/1/18	6/30/19	\$400,000	\$400,000	16		MI,		731	121		N. Elec	10		14.6	10.7	4.1	51.0	7.7	10.4		1.5	
Sewer Capital	07054	CAPITAL PLANNING SUPPORT 18/19 \$\$	7/1/18	6/30/19	\$400,000	\$400,000											33.1	3.4	3.4	48.5	-	9.7	0,3	1.3	0.3
Potable Capital	10546	CC&B SOFTWARE UPGRADE DW	5/1/19	12/31/20	\$142,450	\$1,424,500	100.0			many)	191					PAGE.		, - 5	190		-		-	100	7 -1
Sewer Capital	10547	CC&B SOFTWARE UPGRADE SS	5/1/19	12/31/20	\$142,450	\$1,424,500										100.0						_			
Potable Capital	06160	CENTRALIZED CONTROL ROOM AT MWRP-DW	6/1/18	6/30/22	\$4,054	\$170,000		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5		M.				30			- 1	
Sewer Capital	06161	CENTRALIZED CONTROL ROOM AT MWRP-SS	6/1/18	7/31/22	\$4,054	\$170,000									177.18		33.1	3.4	3.4	48,5		9.7	0.3	1.3	0.3
Potable Capital	07881	CNG FILLING STATION DW	7/1/17	12/31/19	\$351,185	\$748,000	1129	32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5	1			3		8.0		=1	-	
Recycled Capita	07883	CNG FILLING STATION-RW	7/1/17	12/31/19	\$351,185	\$748,000											14.6	10.7	4.1	51.0	7.7	10.4	****	1.5	20050
Sewer Capital	07882	CNG FILLING STATION-SS	7/1/17	12/31/19	\$351,185	\$748,000		503			333	100					33.1	3.4	3.4	48.5	The same	9.7	0.3	1.3	0.3
Potable Capital	05410	COASTAL ZONE 2 PRV MODIFICATION (DPR16)	12/1/17	6/30/19	\$145,900	\$187,100					100.0									_					-
Potable Capital	06162	CRYSTAL COVE RECTIFIER INSTALLATION-DW	6/1/18	6/30/22	\$4,054	\$138,800	100.0		-		15/11		0				1,5	1111	100		1				53.0
Recycled Capita	06163	CRYSTAL COVE RECTIFIER INSTALLATION-RW	6/1/18	6/30/22	\$2,432	\$133,300										100.0					_				
Recycled Capita	06164	CULVER ANODE BED AND RECTIFIER #5 REPLACEME	6/1/18	6/30/22	\$6,486	\$244,200		-		т.	-00		7.1	- 1	15	100.0	-			111					
Recycled Capita	10588	CULVER DRIVE RW ACP PIPE REPLACEMENT	3/1/18	7/31/19	\$580,754	\$717,000								-		100.0	_		-		_				_
Potable Capita	07893	DATS AND IDP INSTRUMENTATION MODS-DW	6/1/18	6/30/20	\$50,997	\$112,300	100	32.6	3.3	3.0	47.5	11.1	0.4	1,6	0.5		-	11,000			1000	100			1000
Recycled Capita	07894	DATS AND IDP INSTRUMENTATION MODS-RW	6/1/18	6/30/20	\$50,997	\$112,300											14.6	10.7	4.1	51.0	7.7	10.4	-	1.5	-
Potable Capita	06165	DRWF SURGE TANKS	1/1/16	12/31/18	\$104,976	\$1,250,500	1	32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5	2 0 7		T STIC	3 3	100		3 5	-1	3,-2	1
Potable Capita	07087	DRWF WELL 10 REHAB	2/1/18	3/31/19	\$697,083	\$770,000	100-0																		
Potable Capita	07088	DRWF WELL 11 REHAB	3/1/18	8/31/19	\$657,961	\$770,000	100.0	L.V.		10	170			V II E	150		- 18	5.1	110		10	100			
Potable Capita	10098	DRWF WELL 12 REHAB	8/1/18	8/31/19	\$657,961	\$770,000	100.0																		_
Potable Capita	07089	DRWF WELL 14 REHAB	6/1/19	8/31/20	\$4,945	\$770,000	100.0	1		-			134				4		-		N.				

															_	ent Dis							_		
System	Project	Project Title	Start	End	FY18-19 Direct	Total Direct	1100 1	1110	1120	1130	1250	1530	1540	1850	1880	2100	2220	2120	2130	2250	2400	2530	256	2850	2880
Potable Capital	07091	DRWF WELL 16 REHAB	2/1/18	3/31/19	\$697,083	\$770,000	100.0																		-
Potable Capital	07090	DRWF WELL 17 REHAB	7/1/17	7/31/18	\$17,488	\$770,000	100.0			Twi.	127			0.5%		TE				F 12		V 7			
Potable Capital	10097	DRWF WELL 2 REHAB	8/1/17	7/31/18	\$18,750	\$770,000	100.0																		
Potable Capital	07092	DRWF WELL 4 REHAB	6/1/19	6/30/22	\$667	\$770,000	100,0			1951	100	1581		TO A	384	500	7 5					-3			U. Fr
Potable Capital	05761	EAST IRVINE ZONE 1 RESERVOIR INTERIOR RECOATIN	6/1/18	6/30/22	\$1,946	\$2,748,500	100.0																		
Potable Capital	05406	EL MODENA INLET MODIFICATION	6/1/18	6/30/22	\$2,270	\$156,200		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5	150		-			Sel II	150	1949	- 20	- 8
Recycled Capita	10093	EMERGENCY MWRP RW DIVERSION TO SAN DIEGO C	7/1/17	12/31/19	\$652,412	\$1,905,000											33.1	3.4	3.4	48.6	_	9,6	0.3	1.3	0.3
Potable Capital	07444	ENERGY STORAGE SYSTEMS	7/1/16	1/31/19	\$55,308	\$272,200		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5	12					120				
Potable Capital	03566	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENT-	10/1/11	12/31/19	\$488,595	\$2,682,100		32,6	3.3	3.0	47.5	11,1	0.4	1.6	0_5								THE SAME		
Sewer Capital	03567	ENTERPRISE ASSET MGMT SOFTWARE IMPLEMENT-5	10/1/11	12/31/19	\$488,595	\$2,682,100		DE!	45				3176	HIE	333		33.1	3.4	3.4	48.5	7	9.7	0.3	1.3	0.3
Potable Capital	07146	GEN SYS MODS 18/19-DW	7/1/18	6/30/19	\$190,300	\$190,300		32.6	3.3	3,0	47.5	11,1	0.4	1.6	0,5										
Recycled Capita	07147	GEN SYS MODS 18/19-RW	7/1/18	6/30/19	\$100,500	\$100,500			DIS.		a Hillio	123					14.6	10.7	4.1	51.0	7.7	10.4		15	J 27
Sewer Capital	07157	GEN SYS MODS 18/19-SS	7/1/18	6/30/19	\$330,000	\$330,000										100.0			TOTAL	III S S S S S S S S S S S S S S S S S S				115.00	_
Potable Capital	10605	GP_DEP 250_FY 18_19	7/1/18	6/30/20	\$903,000	5903,000	25.1	2.8	0.3	0.3	4.2	1.0		0.1		45,5	4.9	1.5	8.0	10.3	0.8	2.1		0.3	
Potable Capital	10606	GP_DEP 515_FY 18_19	7/1/18	6/30/20	\$52,000	\$52,000	25.1	2.8	0.3	0.3	4.2	1.0		0.1		45.5	4.9	1.5	0.8	10.3	0.8	2.1		0.3	
Potable Capital	10607	GP_DEP 600_FY 18_19	7/1/18	6/30/20	\$287,050	\$287,050	25.1	2.8	0.3	0.3	4.2	1.0	1	0.1	100	45.5	4.9	1.5	8.0	10.3	8.0	2.1	- 107	0.3	3,3
Potable Capital	10608	GP_DEP 740_FY 18_19	7/1/18	6/30/20	\$24,000	\$24,000	25.1	2,8	0.3	0.3	4,2	1.0		0.1		45.5	4.9	1.5	0.8	10.3	8.0	2.1		0.3	-
Potable Capita	10609	GP_DEP 870_FY 18_19	7/1/18	6/30/20	\$1,428,200	\$1,428,200	25.1	2.8	0.3	0.3	4.2	1.0		0.1		45.5	4.9	1,5	0.8	10,3	0.8	2.1		0.3	
Recycled Capita	06198	IIC EAST ZONE B BPS UPGRADES	1/1/16	12/31/19	\$1,418,137	\$2,128,600												54.2	SI no	23.1		22.7			
Recycled Capita	05823	ILP NORTH CONVERSION-PIPELINES	3/1/14	12/31/18	\$1,168,571	\$10,991,100			LY S			Har !		3	-64	2.1		2.5	1.0	46.3	1.8	46.0	EU II	0.3	
Recycled Capita	05407	ILP NORTH CONVERSION-RESERVOIR	3/1/14	6/30/19	\$2,500,135	\$14,382,500										0.3		40.1	0.1	16.8	0.3	42,3		0.1	-
Potable Capita	10522	INDUSTRIAL COATINGS REPLACEMENT 18/19-DW	7/1/18	6/30/19	\$210,000	\$210,000	100.0		34	100	115	133			- VETY		15	233	2013	200		33.15	- 4	1	
Recycled Capita	10523	INDUSTRIAL COATINGS REPLACEMENT 18/19-RW	7/1/18	6/30/19	\$220,000	\$220,000										100.0			_				_		
Sewer Capital	10524	INDUSTRIAL COATINGS REPLACEMENT 18/19-SS	7/1/18	6/30/19	\$110,000	\$110,000				1 Codi		9			3	100.0		FU	8/1			100	150		
Potable Capita	07887	IRVINE LAKE SERVICE IMPROVEMENT	6/1/18	6/30/22	\$4,541	\$228,800		32.6	3,3	3.0	47,5	11,1	0.4	1.6	0.5					_					
Potable Capita	10541	LAGUNA CYN RD DW PIPE CORR REP	5/1/18	6/30/19	\$468,210	\$491,700	100.0				130			300						23%	200	100		1111	
Recycled Capita	o5156	LAGUNA CYN RD RW PIPE CORR REP	1/1/18	6/30/19	\$495,468	\$588,500								_		100.0									_
Potable Capita	10096	LAKE FOREST NAKASE DW IMPROVEMENTS	6/1/19	7/31/22	\$4,567	\$437,000					100.0				-30	ME	1500					FOR		II.	
Potable Capita	05404	LAKE FOREST Z2-2RA PRV AT COMMERCENTRE	7/1/18	12/31/20	\$113,175	\$412,700								100.0						_	-				
Sewer Capital	07155	LAWRP SYSTEM REPLACEMENTS 18/19	7/1/18	6/30/19	\$138,600	\$138,600		1 18		500		33			350	100.0	20.0	1118			797	1-3		Pac	4.6
Potable Capita	10099	LF PORTOLA FROM RANCHO PKWY TO GLEN RANCH	6/1/19	6/30/22	\$1,200	\$972,000		32,6	3,3	3.0	47.5	11.1	0.4	1,6	0.5										
Sewer Capital	10095	LF SEWER AUTUMNWOOD/ELDERWOOD	8/1/17	12/31/19	\$100,869	\$719,000	1.26	0,1,3				The .	1			S III			Children of the Control	100.0				Lq	MIE
Recycled Capit	al 10551	LF ZNB EAST RES FLOATING COVER	2/1/18	12/31/18	\$355,000	\$390,000										100.0		_							
Sewer Capita	05520	MAINTENANCE ACCESS FOR FOUR SEWER REACHES	6/1/18	6/30/22	\$3,632	\$368,000	1			- 1	100		100	2911	200	100.0	ii	200	5,18	rolls	54.	T &		7	
Potable Capita	ıl 07896	MARSH O&M PLAN UPDATE	1/1/18	6/30/20	\$118,800	\$297,000		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5						all a second				
Potable Capita	1 10537	MASON PARK OW PIPE REPLACEMENT	6/1/19	12/31/20	\$4,286	\$531,000	100.0		-7	1	11 10	73	2311		4.3	1.4	9,00	, die	2-18				200	141	

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System	Project	Project Title	Start	End	FY18-19 Direct	Total Direct	1100 1110	1120	1130	1250	1530	1540	1850	1880	2100	2220	2120	2130	2250	2400	2530	256	2850	2880
Potable Capital	07113	MECH-ELEC SYS REPLACEMENT 18/19-DW	7/1/18	6/30/19	\$950,000	\$950,000	100.0																	
Recycled Capital	07114	MECH-ELEC SYS REPLACEMENT 18/19-RW	7/1/18	6/30/19	\$660,000	\$660,000			1560	13	THE S				100.0				XX	100		IH		100
Sewer Capital	07115	MECH-ELEC SYS REPLACEMENT 18/19-SS	7/1/18	6/30/19	\$550,000	\$550,000									100.0									
Potable Capital	10629	METER REPLACEMENT 18/19-DW	7/1/18	6/30/19	\$2,646,290	\$2,646,290	100.0			380								3 6					E 150	
Recycled Capital	10633	METER REPLACEMENT 18/19-RW	7/1/18	6/30/19	\$111,700	\$111,700									100.0									
Potable Capital	07824	MICHELSON CAMPUS SECURITY-OW	1/3/17	6/30/19	\$33,878	\$99,000	32.	6 3.3	3.0	47.5	11.1	0.4	1.6	0.5		N B	7113	3 3	7	3	PA	20-1		
Recycled Capital	07826	MICHELSON CAMPUS SECURITY-RW	1/3/17	6/30/19	\$33,878	\$99,000										14.6	10.7	4.1	51,0	7.7	10.4		1.5	
Sewer Capital	07825	MICHELSON CAMPUS SECURITY-SS	1/3/17	6/30/19	\$33,878	\$99,000						يقال				33.1	3,4	3.4	48.5	100	9.7	6.0	1.3	0.3
Sewer Capital	07097	MICHELSON SEWER FORCE MAIN RELINING	12/1/16	12/31/18	\$544,735	\$1,367,300									100.0									
Potable Capital	10543	MIGRATE EMAIL TO MS CLOUD DW	5/1/19	12/31/20	59,350	\$93,500	100.0								1819		2		19111	a dicti	145			
Sewer Capital	10544	MIGRATE EMAIL TO MS CLOUD SS	5/1/19	12/31/20	\$9,350	\$93,500									100,0									
Recycled Capital	04388	MULTI-ZONE BPS-ZONE A TO SYPHON	7/1/17	6/30/22	\$400	\$2,989,500									1	14.6	10.7	4.1	51.0	7.7	10.4		1.5	100
Recycled Capital	04457	MULTI-ZONE BPS-ZONE A-B	3/1/16	3/31/20	\$4,155,776	\$5,950,000									13.7		48.2				38.1			
Recycled Capita	04400	MULTI-ZONE BPS-ZONE A-C	3/1/16	3/31/20	\$5,375,884	\$7,520,000											56.0		2.31		44.0		Sall	
Sewer Capital	04286	MWRP BIOSOLIDS AND ENERGY RECOVERY FACILITIE	4/1/13	12/31/21	\$18,364,808	\$227,573,100									45.5	18,9	1,5	1,5	27.7		4.1	0,1	0,6	0.1
Sewer Capital	07900	MWRP DUMP STATION IMPROVEMENTS	6/1/18	12/31/20	\$128,115	\$291,500						100				33.1	3.4	3.4	48.5	100	9.7	0.3	1.3	0.3
Sewer Capital	07892	MWRP FILTER VALVES AND GATE REPLACEMENT	12/1/18	6/30/20	\$4,071	\$461,000									100.0									
Sewer Capital	07890	MWRP HEADWORKS PLATFORMS	6/1/18	7/31/20	\$61,892	\$175,000					ME					33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
Sewer Capital	07891	MWRP HEADWORKS SCREENING AREA DIVERTER CH	6/1/18	6/30/20	\$94,023	\$180,500										33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
Sewer Capital	04467	MWRP REPAIRS: ACT SLUDGE-ZDARY TANKS-RAS/W	10/1/16	12/31/19	\$750,000	\$1,200,000									100.0			183			2 - 2	NET		
Sewer Capital	07116	MWRP SYS REPLACEMENTS 18/19	7/1/18	6/30/19	\$450,000	\$450,000									100.0									
Sewer Capital	10535	MWRP TRANSFORMER T1 REPLACEMENT	1/1/19	12/31/20	\$65,000	\$543,000									100.0			350	110	125	100		Ei.u	
Sewer Capital	05470	NEWPORT COAST SLS AND FM RECOATING	6/1/15	12/31/18	\$133,962	\$2,135,500									100.0									
Sewer Capital	06400	NEWPORT COAST SLS IMPROVEMENTS	6/1/15	12/31/18	\$139,320	\$2,654,600	255			in a	D.F	77			QBI		100			100.0				-011
Recycled Capita	07807	NON-POTABLE WATER STUDIES 18/19	7/1/18	6/30/19	\$60,000	\$60,000										14.6	10.7	4.1	51,0	7.7	10.4		1.5	
Recycled Capita	06216	NORTHWOOD ZONE B BPS DEMOLITION	6/1/17	1/31/21	\$76,700	\$539,000	J. Com	15	1		11 11		58		10.8		54.2		23.1		22.7	100		Sin
Potable Capital	10548	NTS GENERAL SYSTEM MODIFICATIONS 18/19 NTS	7/1/18	6/30/19	\$121,000	\$121,000	32	.6 3,	3 3,0	47.5	11,1	0.4	1.6	0,5										
Potable Capital	06212	NTS INFILTRATION STUDY	6/1/18	6/30/19	\$61,054	\$64,900	32	.6 3.	3.0	47.5	11.1	0.4	1.6	0.5			Will.		The state of		500			7
Potable Capital	07895	NTS MASTER PLAN UPDATE	1/1/18	6/30/19	\$66,667	\$100,000	32	.6 3	3 3.0	47.5	11.1	0.4	1.6	0.5										
Sewer Capital	10502	OCSD CORF LONG TERM CAPITAL PROGRAM 2018 T	7/1/17	6/30/2050	\$5,421,125	\$154,476,000									72.7	9.0	0.9	0.9	13.3		2.6	0.1	0.4	0.1
Sewer Capital	10500	OCSD EQUITY LONG TERM CAPITAL PROGRAM 2018	7/1/17	6/30/2050	(\$364,375)	\$13,591,000										33.1	3.4	3.4	48.6		9.6	0.3	1.3	0,3
Sewer Capital	10594	OCSD SOLIDS LEASE LONG TERM CAPITAL PROGRAM	7/1/17	6/30/20	\$4,691,000	\$9,582,000	-	13		THE PERSON	35	NEW YORK	in Nie	100	U.S.	33.1	3.4	3.4	48.6		9.6	0.3	1.3	0.3
Potable Capital	10503	OCWD ANNEXATION LONG TERM CAPITAL PROGRA	7/1/17	1/30/2050	\$598,100	\$22,861,400	32	.6 3	3 3.0	47.5	11.1	0.4	1.6	0,5										
Potable Capital	01336	OFFICE SPACE IMPROVEMENTS DW	6/1/18	12/31/19	\$284,628	\$477,300	100.0	77	11	1 - 8			1 " F	95	300	5,48	11 -15	8 3		200		197	SILI	141
Recycled Capita	01257	OFFICE SPACE IMPROVEMENTS-RW	6/1/18	12/31/19	\$111,613	\$181,400									100.0									
Sewer Capital	01549	OFFICE SPACE IMPROVEMENTS-SS	6/1/18	12/31/19	\$265,597	\$445,900				1,00	177	100		13	100.0		4		18.0	- 411				

											III	iproveii	ient Dis	SUICES						
System	Project	Project Title	Start	End	FY18-19 Direct	Total Direct	1100 1110	1120 1130	1250	1530 15	40 1850	1880	2100	2220	2120	2130	2250	2400	2530 256	2850 2880
Recycled Capital	07096	OSO RES STRAINER AND METER	4/1/18	12/31/19	\$218,524	\$375,100								14.6	10.7	4.1	51,0	7.7	10.4	1.5
Recycled Capital	05919	PA1 NHB1 ORCHARD HILLS 16 2C 6 2C+	10/1/14	7/31/18	\$21,522	\$561,400	1000												100.0	
Potable Capital	07012	PA1 NHB3 ORCHARD HILLS 16 DW Z5	2/1/16	7/31/18	\$60,474	\$889,700				100.0										
Recycled Capital	07013	PA1 NHB3 ORCHARD HILLS 6 8 10 12 RW ZC	2/1/16	7/31/18	527,569	\$475,200		3 73 7				11100	RE	321	100	6			100.8	12 EN
Recycled Capital	07017	PA1 NHB3 ORCHARD HILLS 6 8 RW ZC+	2/1/16	7/31/18	\$14,229	\$250,800													100.0	
Recycled Capital	07555	PAI NHB3 ORCHARD HILLS F ST (RIDGE GATE TO E ST	8/1/16	7/31/18	\$13,437	\$167,800			1 140	See la	TE NA	160	y III	100		- 11		- W	100.0	E116718
Recycled Capital	01722	PA1 NHB4 ORCHARD HILLS RW	6/1/19	6/30/22	\$4,219	\$566,500													100.0	
Sewer Capital	07173	PAI PORTOLA PKWY SEWER REPLACEMENT	6/1/19	6/30/22	\$8,038	\$744,700					uffire !					380		191	100.0	
Potable Capital	04680	PA18S HIDDEN CANYON 12 DW	7/1/13	7/31/18	\$7,115	\$315,700				100.0										
Recycled Capital	05168	PA18S HIDDEN CANYON 36 RW PIPELINE	3/1/13	7/31/18	\$60,474	\$2,208,200	100		1 57	A STATE	200		100	14.6	10.7	4.1	51.0	7.7	10.4	1.5
Recycled Capital	04681	PA18S HIDDEN CANYON 6 -8 RW	7/1/13	7/31/18	\$7,115	\$315,700													100.0	
Recycled Capital	03735	PA39 PH2 FACILITIES-RW	6/1/16	10/31/18	\$184,508	\$470,000			18.29	1137	Ve De			10 3		200			100.0	B 30 50
Recycled Capital	03734	PA40 TRAVELAND FACILITIES-RW	6/1/19	7/31/22	\$4,269	\$447,700									21.0				79.0	
Sewer Capital	05788	PAST ALTON PKWY SS RELOCATION 12 AND 18	8/1/14	7/31/18	\$40,981	\$1,232,300					W. SALE	1	11/2 8		100.0	Lai			896	The said
Potable Capital	05816	PA51 ALTON-TECHNOLOGY TO MUIRLANDS 12 DW	9/1/14	7/31/18	\$5,817	\$177,100		20.9		79.1										
Recycled Capital	05818	PAS1 ALTON-TECHNOLOGY TO MURILANDS 16 RW	9/1/14	7/31/18	\$12,162	\$344,300		THE REAL PROPERTY.		25475	33/6	H 50			87.4				12.6	
Sewer Capital	05817	PA51 ALTON-TECHNOLOGY TO MUIRLANDS SS RELO	9/1/14	7/31/18	\$53,672	\$1,326,300									100.0	_				
Potable Capital	05756	PAS1 B ST FROM SOCIABLE TO IRVINE BLV 12 ZN 4	8/1/14	7/31/18	\$7,932	\$243,100	BILLIA	98.2		1.8	SHE N		A P	350	0	TE				
Recycled Capita	05757	PA51 B ST FROM SOCIABLE TO IRVINE BLV 16 ZN C	8/1/14	7/31/18	\$7,879	\$240,900									99.6				0.4	
Potable Capital	06304	PAS1 BENCHMARK-BOSQUE TO 550-E/O BOSQUE 12	3/1/15	7/31/18	\$1,957	\$49,500		98.2		1.8	L. Sala	11/20		30018			Shift	51.	1	
Recycled Capita	06306	PA51 BENCHMARK-BOSQUE TO 550-E/O BOSQUE 6 Z	3/1/15	7/31/18	\$1,957	\$49,500									99.6		_		0.4	
Potable Capital	04645	PAST C ST FROM LQ ST TO 0 ST DW	7/1/13	7/31/18	\$5,191	\$211,700		67.3	46	32.7					200	0.18				
Recycled Capita	I 04646	PA51 C ST FROM LQ ST TO 0 ST RW	7/1/13	7/31/18	\$5,989	\$266,200									99.6				0.4	
Sewer Capital	04653	PAST C ST FROM TRABUCO RD TO LQ ST SS	7/1/13	7/31/18	\$8,440	\$403,700		200	9,111						100.0		3291	31.00	1000	
Recycled Capita	I 05758	PA51 CADENCE-PUSAN TO CHINON 12_16RW	8/1/14	7/31/18	\$8,196	\$271,700									87.4				12.6	
Potable Capital	10343	PAS1 D5 A ST 12 DW	4/1/18	12/31/19	\$418,062	\$989,000	1 2 3 5 6	100.0			2111			2211		1 6	N/	artins.		
Recycled Capita	10344	PAS1 D5 A ST 12_10 RW	4/1/18	12/31/19	\$445,516	\$1,059,000									100.0					
Recycled Capita	10255	PAST D5 CADENCE S 10RW	4/1/18	12/31/19	\$57,656	\$138,000						-9.10	3.0		100.0		181	8 -		
Potable Capital	10254	PA51 D5 CADENCE S 12DW	4/1/18	12/31/19	\$58,566	\$138,000		100.0							41000000					
Sewer Capital	10117	PAST D5 CADENCE 5 FROM O TO CHINON 12SS	4/1/18	12/31/19	\$205,988	\$487,000	3111 39		7				200		100.0	g Illa		-		
Recycled Capita	10024	PAS1 D5 CHINON 16 RW, 12 RW and 10 RW ZONE C	4/1/18	6/30/20	\$100,623	\$457,000									99.6	_			0.4	
Sewer Capital	10023	PAS1 DS CHINON FROM SOUTH CADENCE TO CADEN	4/1/18	6/30/20	\$109,657	\$502,000	Allen			U.F.S.P.		162 3			100.0		-	794	Election	2 Sale
Potable Capita	10022	PA51 D5 CHINON FROM SOUTH CADENCE TO CADEN	4/1/18	6/30/20	\$80,792	\$392,000		98.2		1.8										
Potable Capita	06683	PAS1 GP BENCHMARK AND MODJEKSA (DISTRICT 4)	8/1/15	7/31/18	\$6,409	\$150,700	ST 155	98,2	A Tree	1.8	1.7	1990			Pile	1 10	-	- 13		1 1 1 1 1 1 1 1 1 1
Recycled Capita	o 06684	PA51 GP BENCHMARK AND MODJESKA (DISTRICT 4)	8/1/15	7/31/18	\$40,480	\$971,300									99.6		_	_	0.4	
Potable Capita	06552	PAS1 GP BENCHMARK AND PERSPECTIVE 12 DW Z4R	7/1/15	7/31/18	\$5,870	\$147,400	20 3 18	98.2		1.8		1 30						No.	The St	12 Hotel

														ent Dist						
System	Project	Project Title	Start	End	FY18-19 Direct	Total Direct	1100 1110	1120 113	30 12	50 1	530 1540	1850	1880	2100	2220	2120	2130 225	0 2400	2530 256	2850 2880
Sewer Capital	06553	PA51 GP BENCHMARK AND PERSPECTIVE 16 SS	7/1/15	7/31/18	\$9,783	\$244,200										100.0				
Recycled Capita	06554	PAS1 GP BENCHMARK AND PERSPECTIVE 6 RW ZC	7/1/15	7/31/18	\$5,217	\$129,800							W.		War to	99.6	-		0.4	
Sewer Capital	06331	PA51 GP CULTIVATE (BOSQUE TO 500 E/O BOSQUE)	3/1/15	7/31/18	\$5,726	\$220,000										100.0				
Recycled Capita	07169	PAST GP DIST 772 ST AND A ST RW ZC	3/1/16	7/31/18	\$20,240	\$492,800					Singi	11.57	- 10	537	33	100.0	1 7 5		Bill !	12 12 1
Recycled Capita	06823	PAS1 GP EPISODE (FROM FRAME TO PUSAN) 16 RW	11/1/15	7/31/18	\$13,975	\$323,400										99,6			0.4	
Recycled Capita	06514	PAS1 GP GP-1 ST (MARINE TO GP-2 ST) 10 RW	6/1/15	7/31/18	\$21,927	\$536,800				77			100			87.4		3 /	12.6	
Recycled Capita	06732	PA51 GP MAGNET (FROM RIDGE V. TO BOSQUE) 6 R	9/1/15	7/31/18	\$8,205	\$206,800										87.4			12.6	
Potable Capital	06534	PAST GP PUSAN (EPISODE TO IRVINE BLVD) 12 DW Z	6/1/15	7/31/18	\$1,630	\$44,000		98.2			1.8							715		
Recycled Capita	06535	PA51 GP PUSAN (EPISODE TO IRVINE BLVD) 12 RW Z	6/1/15	7/31/18	\$4,239	\$106,700										99.6			0.4	
Sewer Capital	10068	PAST GP REACH A SS PHASE 2	9/1/17	3/31/19	\$515,011	\$652,000			77	0 18	Total L		A 188			67.0	2 100	36	33.0	1000
Recycled Capita	06595	PA51 GP TERRAPIN (TRABUCO TO CADENCE) 6 RW Z	7/1/15	7/31/18	\$6,942	\$180,400										87.4			12.6	
Potable Capita	06512	PAST GP-1 ST (MARINE TO GP-2 ST) 12 DW	6/1/15	7/31/18	\$14,843	\$355,300		20.9		7	79.1			3,103	ro in		N 23	150		
Sewer Capital	06513	PA51 GP-1 ST (MARINE TO GP-2 ST) 12 SS	6/1/15	7/31/18	\$32,384	\$753,300										100.0				
Recycled Capita	06538	PA51 GP-2 ST (BOSQUE TO GP1 SF) 10 RW	6/1/15	7/31/18	\$47,226	\$1,169,400		1988		1 2		1			100	87.4		100 1	12.6	
Potable Capita	06536	PA51 GP-2 ST (BOSQUE TO GP1 ST) 12 DW	6/1/15	7/31/18	\$18,891	\$531,300		20.9		7	79.1									
Sewer Capital	06537	PAS1 GP-2 ST (BOSQUE TO GP1 ST) 12 SS	6/1/15	7/31/18	\$11,469	\$333,300			11 (44)		0.18		0.33		96	100.0	S 3187-		19	
Recycled Capita	o7022	PA51 GP-2 ST (FROM GP-3 TO BOSQUE) 12 RWZC	2/1/16	7/31/18	\$8,967	\$180,400										99.6			0.4	
Potable Capita	06016	PA51 IRVINE BEVD-LAMBERT TO Z ST 12 DW	12/1/14	7/31/18	\$13,493	\$256,200		98.2			1.8				-	10		1100		100
Sewer Capital	06017	PA51 IRVINE BLVD-LAMBERT TO Z ST 16 SS	12/1/14	7/31/18	\$4,723	\$115,500										100.0				
Recycled Capit	al 06018	PAS1 IRVINE BLVD-LAMBERT TO 2 ST 20 RW	12/1/14	7/31/18	\$66,792	\$1,412,400	EF PAN								4	99.6			0.4	
Recycled Capita	al 05536	PA51 LQ ST FROM BOSQUE TO Z ST 12 RW	5/1/14	7/31/18	\$12,691	\$416,900										99.6			0.4	
Sewer Capital	05535	PAST LQ ST FROM BUSQUE TO 2 ST 12-SS	5/1/14	7/31/18	\$41,024	51,075,300				1.3	100	E	13		-	100.0	7.495		Dr Weig	
Recycled Capit	al 04649	PAS1 LQ ST FROM O ST TO LY ST RW	7/1/13	7/31/18	\$1,597	\$78,100										93,5			6.5	
Sewer Capital	04648	PAST LO ST FROM O ST TO LY ST SS	7/1/13	7/31/18	\$5,191	\$255,200	II IN	377.3	17/10			7/4/5	VE.		8.11	61.5	100	1/2/1	38.5	
Potable Capita	04650	PA51 LY ST FROM LQ ST TO IRVINE BLVD DW	7/1/13	7/31/18	\$624	\$51,700		98.2			1,8									
Recycled Capit	al 04652	PAS1 LY ST FROM LQ ST TO IRVINE BLVD RW	7/1/13	7/31/18	\$18,733	\$688,300		80.85		100	371.		100	45	80	99,6	100	3 6 8	0.4	
Sewer Capita	04651	PAS1 LY ST FROM LQ ST TO IRVINE BLVD SS	7/1/13	7/31/18	\$33,302	\$1,262,200										100.0				
Recycled Capit	al 10447	PAS1 MARINE WAY AND BAKE 16RW	4/1/18	7/31/19	\$118,931	\$163,000	75				1000			4.5	735	100.0				112 3
Sewer Capita	10574	PA51 MARINE WAY AT OCTA 18 SS	4/1/18	6/30/20	\$217,652	\$970,000										100.0				
Potable Capita	06086	PAS3 MARINE WAY FROM ALTON TO BARRANCA 12	1/1/15	12/31/18	589,162	5438,700		20.9	7 7	200	79.1						V LYPEL	9 11 3	11 / - 8	
Potable Capita	o4153	PA51 MARINE WAY ZN3 DW	11/1/12	7/31/18	\$12,578	\$420,200		20.9			79 1			_						
Recycled Capit	al 04147	PA51 MARINE WAY ZNB-RW	11/1/12	7/31/18	\$45,186	\$1,201,200	Sivil 1	10	1,500	وعاة	100		125		- 0	87.4	1176	47	12.6	
Sewer Capita	06476	PA51 MARINE WAY, RIDGE VALLEY TO 3000 FT EAST	6/1/15	7/31/18	\$16,410	\$426,800													100.0	
Potable Capita	ol 06208	PAS1 MARINE WAY: SR133 TO RIDGE VALLEY 12 ZON	3/1/15	7/31/18	\$3,913	\$82,500	100	20.9			79.1	The T	100	118		- 3	1772	2.00	DESTRUCTION IS	
Recycled Capit	al 06209	PA51 MARINE WAY: SR133 TO RIDGE VALLEY 6 ZONE	3/1/15	7/31/18	\$2,348	\$53,900							_			87.4	_		12.6	
Recycled Capit	al 06087	PAS1 MARINE WAY ALTON TO BARRANCA 15 RW ZN	1/1/15	12/31/18	\$95,916	\$481,500	10 10 11	-17	The said	8		1000			150	87.4	5 12 18	JEST	12.6	S 38 3 4 1

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System	Project	Project Title	Start	End	FY18-19 Direct	Total Direct	1100 1	110 1	120 1	130	1250	1530	1540	1850	1880	2100	2220	2120	2130	2250	2400	2530 2	.56 2	2850 2880
Sewer Capital	06048	PAS1 MARINE WAY-ALTON TO BARRANCA 18 SS	1/1/15	7/31/18	\$26,246	\$874,500												100.0						
Sewer Capital	84614	PAS1 REACH A SEWER IMPROVEMENTS	6/1/13	7/31/18	\$110,747	\$3,956,500			AE.		No.				-1, 5	TO	-	67.0				33.0		
Sewer Capital	10576	PA51 REACH B EAST 18 SS	4/1/18	6/30/20	\$417,101	\$2,125,000												100.0						
Potable Capital	04268	PAS1 RIDGE VALLEY-MARINE WAY TO TRABUCO DW	1/1/13	7/31/18	\$12,072	\$486,200			20.9	or his		79.1	. F1	-27 VIII		ill to	ger .				3 3	- 7 3		0
Recycled Capital	04278	PA51 RIDGE VALLEY-MARINE WAY TO TRABUCO RW	1/1/13	7/31/18	\$12,488	\$464,200												87.4				12.6		
Sewer Capital	04267	PAS1 RIDGE VALLEY-MARINE WAY TO TRABUCO SS	1/1/13	7/31/18	\$38,363	\$1,493,800			100		162		bon			3	100	22.9	- 100	51 II		77.1		
Potable Capital	07809	PA51 SAMP UPDATE-FUTURE AREAS-DW	7/1/17	12/31/18	\$20,000	\$60,000			100,0											_	_	_		
Sewer Capital	07810	PASI SAMP UPDATE-FUTURE AREAS-SS	7/1/17	12/31/18	\$20,000	\$60,000			1, 35	-321			350	100			ME	100.0	- 1	× 100	10 19	8 - 18		
Recycled Capital	10426	PA6 NB5BC B ST 6 RW PHASE 2	11/1/17	11/30/20	\$23,438	\$81,000															_	100.0		_
Recycled Capital	05243	PA6 NHB4B 6 RW ZONE D	2/1/14	7/31/18	\$16,702	\$526,900		45		36	241	ŭ.,	80				1 0			511		100.0	111,5	6-11
Recycled Capital	06915	PA6 NHB5A 6 AND 8 RECYCLED WATER MAIN ZONE	12/1/15	7/31/18	\$16,867	\$402,600												_	_			100.0		
Recycled Capital	05763	PA6 NHBSA RW ZONE D	8/1/14	7/31/18	\$3,818	\$132,000			415							234	190			11.		100.0		
Recycled Capita	10100	PA6 NHB5B5C 12 8 6 RW	12/1/17	6/30/20	\$55,263	\$640,000	- 1											_		_	_	100.0		
Recycled Capita	04557	PA6 PHASE 1 NEIGHBORHOOD 3 ZONE C RW	6/1/13	7/31/18	59,100	\$315,700	1995	di di		50	250					350	LE			3-1-		100.0		- 4 1
Recycled Capita	01762	PA9B PHASE 5 GATEWAY PARK RW PIPES	6/1/19	6/30/22	\$7,990	\$506,100											_				_	100,0		
Potable Capital	06214	PDF SODIUM HYPOCHLORITE STORAGE AND FEED SY	4/1/17	8/31/20	\$371,591	\$2,976,900	3 32	32.6	3.3	3.0	47,5	11.1	0.4	1.6	0.5		HE	Mr.	1989	-116	110	T 1/2	73	to the
Potable Capital	07682	PILOT SOUTH BASIN GROUNDWATER CLEANUP	6/1/18	12/31/19	\$84,298	\$1,127,500		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5			_						
Potable Capital	07898	PLC REPLACEMENT-DW	7/1/17	12/31/21	\$132,121	\$440,000	100.0	- 1							19.25			0199		-5	80		11.1	
Recycled Capita	07899	PLC REPLACEMENT-RW	7/1/17	12/31/21	\$132,121	\$440,000									_	100,0		_		_		_	_	_
Potable Capital	07082	POTABLE REUSE ALTERNATIVES ANALYSIS DW	7/1/16	12/31/20	\$55,556	\$250,000		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5		1	J) Pari		75 A	-	SERVE.		
Sewer Capital	07083	POTABLE REUSE ALTERNATIVES ANALYSIS SS	7/1/16	12/31/20	\$55,556	\$250,000											33.1	3.4	3.4	48.5	_	9.7	0.3	1,3 0,3
Sewer Capital	07130	RAISE MANHOLES TO GRADE 18/19 UNDER RA	7/1/18	6/30/19	\$346,500	\$346,500			8	5 1/2	ميام	Cont.	1900	EU P		100.0	1179			1134	1.3	10 E		
Potable Capital	07128	RAISE SYSTEM VALVES 18/19 UNDER RA-DW	7/1/18	6/30/19	\$577,500	\$577,500	100.0									TABLE TO	_			_	_			
Recycled Capita	07132	RAISE SYSTEM VALVES 18/19 UNDER RA-RW	7/1/18	6/30/19	\$138,600	\$138,600	484					7.0	100	Te II	-3	100.0		3.1	X		-11			S OF M
Recycled Capita	05476	RATTLESNAKE ZONE A BPS REBUILD	6/1/17	1/31/21	\$133,185	\$3,937,700		_	_	-		_		_		100.0		-	_	111111	-	125511111		
Sewer Capital	07098	REBUILD SMH ON MAIN ST E/O MACARTHUR	1/1/17	12/31/19	\$110,014	\$178,200		-01	7				0.00	- 10-		100.0	18		1					
Potable Capita	07084	REPLACEMENT PLANNING DW	5/1/17	12/31/20	\$120,000	\$440,000	100.0										-				-		-	
Recycled Capita	o7085	REPLACEMENT PLANNING RW	5/1/17	12/31/20	\$120,000	\$440,000		- 1	- 3	1 14 11) reju	115	11.74	100	- 2	100.0		100	70	- 3				
Potable Capita		The same of the sa	7/1/17	6/30/19	\$86,815	\$187,100	100.0	10000	0.000		- Water	00000	Term.	II FIRST	1.7550				_		-		-	
Potable Capita	06023	ROSEDALE DROUGHT RELIEF PROJECT FACILITIES	1/13/15	6/30/19	\$744,026	\$9,872,500	11177	32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5			201	THE R		THE R		- 3	100
Recycled Capita	al 07159	RW CONVERSION IMPROVEMENTS FOR OFF-SITE 18/	7/1/18	6/30/19	\$753,500	\$753,500			_		-					100.0	2000000	2500	2.7	200	1 2 2	100		**
Recycled Capita	al 10436	RW RESERVOIRS FILTRATION STUDY	2/16/17	7/31/18	\$16,502	\$288,200	STA	EL S	-58				5.6	1700	Bre-		14.6	10.7	4.1	51.1	7.7	10.3		1.5
		SALT MANAGEMENT MODELING ON RECYCLED WAT	7/1/17	6/30/19	\$37,500	\$108,100								200	_		14.6	10.7	4.1	51.1	7.7	10.3	NO.	1.5
Recycled Capita	al 03780	SAN JOAQUIN RESERVOIR LINER REPLACEMENT	5/1/19	12/31/21	\$38,463	\$2,807,900	FUEL PROPERTY.	700	1	1 2	- 119	37 4	1,8	1 %	800	100.0	-			7	327	- 100	-	ULLE,
Potable Capita	01414	SAND CYN 16" DW ANODE REP	6/1/18	6/30/22	\$4,865	\$243,100	100.0	1000 DA													-	- 30		
Potable Capita	10101	SANTIAGO CANYON FLEMING STORAGE AND PUMP	1/1/18	12/31/22	\$663,876	\$9,001,000	150	100.0		15			I E			5 35 P	No.		-	8. °=	7	100	-515	THE

B - 8 Page 6 of 8

														Imp	rovem	ent Disi	tricts								
System	Project	Project Title	Start	End	FY18-19 Direct	Total Direct	1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2220	2120	2130	2250	2400	2530	256	2850	2880
Potable Capital	10102	SANTIAGO CANYON PIPELINE REPLACEMENTS	6/1/19	6/30/21	\$16,308	\$1,286,000	100.0																		
Potable Capital	01398	SANTIAGO CYN PUMP STATION IMPROVEMENTS	6/1/18	6/30/21	\$287,980	\$6,613,000	SEE.	32.6	3.3	3.0	47.5	11.1	0.4	1.6	0,5										
Recycled Capital	01813	SANTIAGO DAM SLOPED OUTLET	7/1/13	6/30/22	\$438,512	\$15,417,000											14.6	10.7	4.1	51.0	7,7	10.4		1.5	
Potable Capital	10061	SCE-IRWD WATER-ENERGY PILOT PHASE 2	6/1/18	12/31/19	\$239,684	\$379,500	1	32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5	- 10									
Recycled Capita	07099	SEAWATCH RW MAIN REPLACEMENT	12/1/16	12/31/18	\$441,828	\$1,360,500										100.0									
Recycled Capita	10071	SERRANO SUMMIT PHASE 2 RW	4/1/17	12/31/19	\$197,479	\$507,000	78.01	13	9 7															100.0	8,1
Potable Capital	07149	SERVICE LINE-VALVE-MAIN REPLACEMENT 18/19-D	7/1/18	6/30/19	\$1,793,900	\$1,793,900	100.0																		
Recycled Capita	07150	SERVICE LINE-VALVE-MAIN REPLACEMENT 18/19-R	7/1/18	6/30/19	\$642,100	\$642,100				3.1	113		9.54	100		100.0									
Sewer Capital	07151	SEWER LATERAL-MAIN REPLACEMENT 18/19	7/1/18	6/30/19	\$308,200	\$308,200										100,0									
Sewer Capital	07886	SEWER SIPHON REHABILITATION	6/1/18	6/30/22	54,541	\$440,000	100	3148	19	15-31		21.				100.0								750	
Sewer Capital	07885	SEWER SYSTEM CALCIUM REMOVAL	6/1/18	6/30/22	\$4,541	\$440,000										100.0									
Sewer Capital	07748	SGU DIVERSION TO SEWER	7/1/17	12/31/19	\$15,000	\$398,200		VILE	15								33.1	3.4	3,4	48.5		9.7	0.3	1.3	0.3
Sewer Capital	07452	SHII CANYON VIEW (AT JAMBOREE RD) 15 SS	7/1/16	7/31/22	\$5,688	\$259,600																100,0			
Potable Capital	07376	SHII PH1 D ST (FROM SANTIAGO TO 8 ST) 12 DW	6/1/16	7/31/22	\$3,881	\$176,000		50.				100.0									73.5			He	
Recycled Capita	07377	SHII PH1 D ST (FROM SANTIAGO TO B ST) 6 RW	6/1/16	7/31/22	\$3,609	\$162,800																100,0			
Sewer Capital	07379	SHII PH2 A ST (FROM SANTIAGO TO 8 ST) 12 SS	4/1/18	7/31/22	\$7,250	\$205,000															w	100.0	15.		
Recycled Capita	07380	SHII PH2 A/B/F ST (TR 17995) 6 AND 8 RW	4/1/18	7/31/22	\$17,500	\$487,000																100.0			
Potable Capital	07378	SHII PH2 B/F ST (FROM C ST TO 25 RES) 12 DW	4/1/18	7/31/22	\$35,000	\$974,000						100.0													
Potable Capital	07451	SHII SANTIAGO CYN (FROM D ST TO A ST) 12 DW	7/1/16	7/31/22	\$16,154	\$1,126,900						100,0													
Recycled Capita	07453	SHII SANTIAGO CYN AND JAMBOREE 6 8 12 16 RW	7/1/16	7/31/22	\$31,491	\$2,228,300												7 13			-9	100.0	-57		
Recycled Capita	07486	SHII SOUTH TR 16199 12 8 AND 6 RW	7/1/16	7/31/22	\$17,422	\$808,000												12.				100.0			
Sewer Capital	07484	SHII SOUTH TR 16199 15 AND 12 SS	7/1/16	7/31/22	\$14,201	\$668,000														9 1-1	Elec	100.0			
Recycled Capita	05154	SJR SEISMIC EVALUATION (DSOD)	6/1/18	6/30/21	\$11,351	\$150,700											14.6	10.7	4.1	51,0	7,7	10.4		1.5	
Sewer Capital	10581	SOCWA ALISO CREEK OCEAN OUTFALL SEAL REPLACE	5/1/18	12/31/19	\$24,351	\$35,000					100		700	-viii	Urs I	100.0			3 /			01.01			
Sewer Capital	03750	SOCWA ETM PROTECTION-TRAIL BRIDGE CROSSING (8/1/16	12/31/20	\$106,667	\$951,500										100.0									
Potable Capital	07897	SOUTH SAN DIEGO CREEK RUNOFF DIVERSION STUD	1/1/18	6/30/20	\$40,000	\$100,000		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5	S. D.				22	2	3 80%			5.03
Potable Capita	05499	STOCKDALE STORAGE FOR RECOVERY CAPACITY	1/1/19	6/30/20	\$439,358	\$1,590,800		32,6	3,3	3.0	47,5	11,1	0,4	1,6	0,5										
Recycled Capita	10580	SUNNYHILL RW PIPE REHAB	5/1/19	11/30/20	\$26,429	\$392,700		100		55.00						100.0				-37		din.	- 11	-	
Recycled Capita	03808	SYPHON RESERVOIR IMPROVEMENTS	6/1/15	8/31/22	\$2,056,267	\$75,000,000											14.6	10.7	4.1	51,0	7.7	10.4		1.5	
Potable Capita	07888	TURTLE RIDGE PIPE REHAB-DW	7/1/17	6/30/19	\$206,391	\$309,000	100.0				11 1			1	-10	-				10		V April		500	- 18
Recycled Capita	07889	TURTLE RIDGE PIPE REHAB-RW	7/1/17	6/30/19	\$206,391	\$309,000										100.0									
Recycled Capita	04984	TUSTIN LEGACY ARMSTRONG ZONE A-WARNER ZON	11/1/13	7/31/18	\$19,565	\$773,300	3/1	16			138	31	C'N.	223		Par.	900	N.	100.0	201					
Recycled Capita	07163	TUSTIN LEGACY BELL AVE (REDHILL TO ARMSTRONG)	3/1/16	7/31/18	\$18,553	\$362,800													100.0						
Recycled Capita	07535	TUSTIN LEGACY FLIGHT DR 6 RW	8/1/16	7/31/18	\$12,228	\$270,000	100	1	1	FR	CT4	1270	53 91	Jim 3		NEW			100.0	= 24	B 18			-	211
Potable Capita	06765	TUSTIN LEGACY MOFFETT DR (AT PETERS CYN) 12 D	10/1/15	7/31/18	\$25,323	\$287,000				100.0)														
Recycled Capita	06766	TUSTIN LEGACY MOFFETT DR (AT PETERS CYN) 16 R	10/1/15	7/31/18	\$33,715	\$375,000	N PT		128		18	i Li		745	WI II	112	-	719	100.0			35	100	UE C	1.5

Improvement D	istricts
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System	Project	Project Title	Start	End	FY18-19 Direct	Total Direct	1100	1110	1120	1130	1250	1530	1540	1850	1880	2100	2220	2120	2130	2250	2400	2530	256	2850	2880
Sewer Capital	01062	TUSTIN LEGACY MOFFETT FROM DOWNS RD TO JAM	7/1/18	6/30/19	\$217,000	\$217,000													100,0						
Recycled Capita	- william to the	TUSTIN LEGACY MOFFETT LEGACY 12RW	6/1/17	6/30/20	\$170,867	\$643,000	1500	7	7-3	3 101	2.35	- Lui	300	P. Commercial Commerci	300	77	STI	153	100.0			1237	OB	130	-52
Potable Capital	10260	TUSTIN LEGACY MOFFETT LEGACY 16_12DW	6/1/17	6/30/20	\$170,867	\$643,000				100.0															
Sewer Capital	06010	TUSTIN LEGACY PARK AVE FROM JAMBOREE TO VICT	12/1/14	7/31/18	\$2,115	\$64,900	100	200		3 5 18	2-3	110	2 00	27.5	350	3.6	5.77		100.0	137	200	- 4		123	
Potable Capital		TUSTIN LEGACY RED HILL WELL DRILLING AND EQUIP	6/1/19	12/31/21	\$36,754	\$4,559,800		32.6	3.3	3.0	47.5	11,1	0.4	1.6	0.5										
Potable Capital	-	TUSTIN LEGACY WARNER FROM ARMSTRONG TO LE	11/1/13	7/31/18	54,991	\$150,500	Spall !	373	611	100.0			100	10 36	100	To	13.	507	003	T I	1 0	- In			
Recycled Capita	Section.	TUSTIN LEGACY WARNER FROM ARMSTRONG TO LE	11/1/13	7/31/18	\$8,784	\$332,700													100.0						
Potable Capital	07170	UNIVERSITY OR WIDENING APPURTENANCE RELOC-D	4/1/16	12/31/20	\$102,587	\$248,000	75.0	25.0	98		. 10			720	IISI I			39/5	72-3 0			-73			100
Recycled Capita	07172	UNIVERSITY DR WIDENING APPURTENANCE RELOC-R	4/1/16	12/31/20	\$102,587	\$248,000										25.0	75.0								
Sewer Capital	07171	UNIVERSITY OR WIDENING APPURTENANCE RELOC-S	4/1/16	12/31/20	\$102,587	\$248,000	112	1 17	531	10	75	100	-	1173	100	50.0	50.0	17	- 5						100
Sewer Capital	07112	VACTOR ACCESS TO SMH ON SO IRVINE INTERCEPTO	9/1/16	12/31/18	\$123,295	\$383,000										100.0									
Potable Capital	10542	VAULT LID REPLACEMENT-18/19 DW	6/1/18	6/30/19	\$399,200	\$402,200	100.0	N	1	398	1513	1950	SFI	1 53	ME.					CU P					
Recycled Capita	10549	VAULT LID REPLACEMENT-18/19 RW	6/1/18	6/30/19	\$352,143	\$355,000										100.0									
Sewer Capital	10550	VALUET LID REPLACEMENT-18/19 SS	6/1/18	6/30/19	\$177,571	\$179,000	100		7	3.1		al.	79181	1.542	338	100.0	100	77							
Potable Capital	06121	VAULT LID REPLACEMENT-DW	1/1/18	12/31/18	\$317,821	\$397,700	100.0																		
Recycled Capita	06123	VAULT LID REPLACEMENT-RW	1/1/18	12/31/18	\$143,088	\$195,300	94	979	5.71	1977	NIE.	100			The same	100.0									
Sewer Capital	06122	VAULT LID REPLACEMENT-SS	1/1/18	12/31/19	\$62,876	\$96,300										100,0									
Potable Capital	07154	WATER AND ENERGY PLANNING STUDIES DW 18/19	7/1/18	6/30/19	\$231,500	\$231,500	THE ST	32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5										220
Recycled Capita	07141	WATER RECYCLING TRT PLANT MSTR PLAN UPDATE-	4/1/17	9/30/19	\$191,149	\$454,300											14.6	10.7	4.1	51.0	7.7	10.4		1.5	
Sewer Capital	05427	WATER RECYCLING TRT PLANT MSTR PLAN UPDATE-	4/1/17	9/30/19	\$387,663	\$921,300	13	446	117								33.1	3.4	3.4	48.5		9.7	0.3	1.3	0.3
Potable Capital	07161	WATER RELIABILITY PLANNING 18/19	7/1/18	6/30/19	\$137,500	\$137,500		32.6	3.3	3.0	47,5	11,1	0.4	1.6	0,5										
Potable Capita	07160	WATER SUPPLY RELIABILITY AGREEMENTS 18/20	7/1/18	6/30/20	\$220,000	\$440,000		32.6	3.3	3.0	47.5	11.1	0.4	1.6	0.5										
Potable Capital	07120	WELL MAINTENANCE AND REHABILITATION 18/19	7/1/18	6/30/19	\$450,000	\$450,000	100.0																		
Potable Capita	05473	WELLS 11 AND 15 SURGE TANK REPLACEMENT	11/1/14	12/31/18	\$193,113	\$3,626,200	100.0										1 3				1	10	184		21
Potable Capita	01402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	6/15/18	12/31/19	\$86,180	\$133,100		32.6	3,3	3.0	47.5	11.1	0.4	1,6	0.5										
Potable Capita	06169	ZN 8-9 PIPELINE ANODE BED LEAD WIRE REPLACEME	6/1/18	6/30/22	\$8,108	\$315,200	100.0					12								C 2 100	W. W.	300	301		
Potable Capita	06401	ZONE 1 RESERVOIR NO+2	4/1/16	12/31/19	\$6,210,209	\$12,626,300		32.6	3.3	3.0	47.5	11.1	0.4	1,6	0.5										
				Totals	94,822,459	779,202,740																	4/18/2	2018	

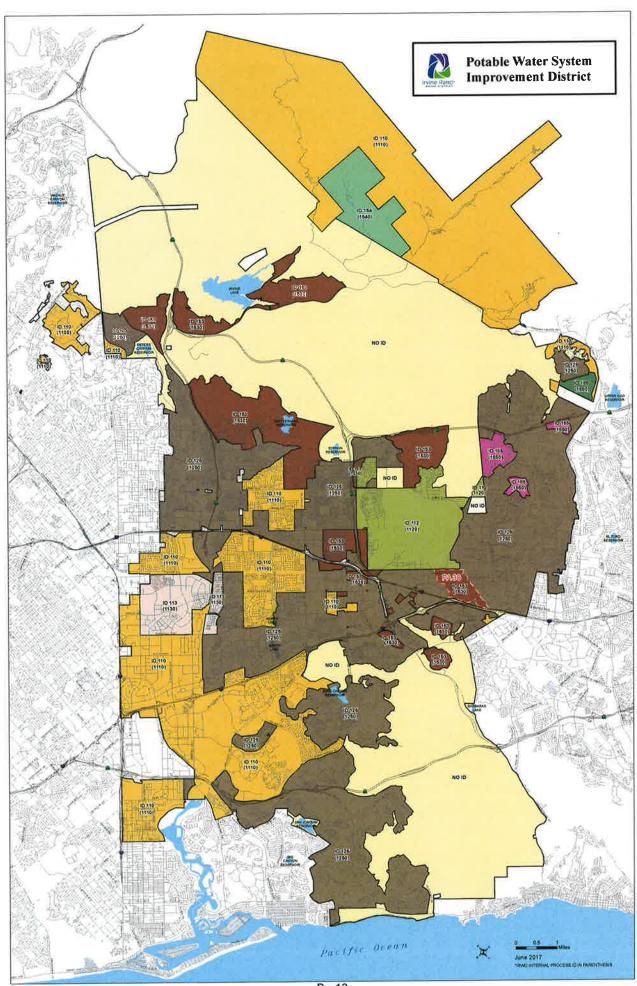
Irvine Ranch Water District Fiscal Year 2018-19 Capital Budget Section 2 - Flagged Projects

Project Number	Project Title	Flagged Project	Project Status
01402	WELLS 51/52/53 TREATMENT ALTERNATIVES STUDY	Yes	Board Approved
03808	SYPHON RESERVOIR IMPROVEMENTS	Yes	Active
07140	TUSTIN LEGACY RED HILL WELL DRILLING AND EQUIPPING	Yes	Board Approved

Irvine Ranch Water District Fiscal Year 2018-19 Capital Budget

Section 3 - Projected FY 2018-19 Expenditures by Fiscal Year Expenditure Groups

FY Exp Category	FY18-19 Direct	Total Direct	FY Replacement	FY Developed	FY Developing	
Replacement & Rehabilitation	\$18,398,253	\$45,774,190	\$17,652,782	\$627,745	\$117,727	
Solids Handling	\$18,364,808	\$227,573,100	\$8,355,988	\$8,558,001	\$1,450,820	11 11 11
Regional Development	\$11,026,497	\$16,137,600	\$569,341	\$345,307	\$10,111,848	
OCSD - CORF - Solids Lease	\$9,747,750	\$177,649,000	\$3,941,158	\$4,743,764	\$1,062,829	
Zone 1 Reservoir No. 2	\$6,210,209	\$12,626,300	\$0	\$4,974,378	\$1,235,832	
Operational	\$5,432,011	\$45,384,500	\$555,094	\$4,034,105	\$842,812	
Development - PA51	\$3,877,186	\$36,038,500	\$0	\$0	\$3,877,186	
ILP Zone C+ Conversion	\$3,668,707	\$25,373,600	\$32,040	\$989,606	\$2,647,060	
Well Rehabilitation	\$3,201,939	\$6,610,000	\$3,201,939	\$0	\$0	
General Plant	\$2,694,250	\$2,694,250	\$1,902,141	\$619,678	\$172,432	
Nonpotable Storage	\$2,073,169	\$78,277,700	\$0	\$1,519,649	\$553,520	
Planning	\$1,914,077	\$3,365,100	\$240,000	\$1,281,937	\$392,140	
Water Resources	\$1,789,417	\$7,542,400	\$753,500	\$829,769	\$206,147	
Water Banking	\$1,540,883	\$12,040,800	\$0	\$1,234,248	\$306,636	1000
Replacement-Business Software	\$1,397,041	\$8,710,200	\$419,850	\$790,059	\$187,132	
Development - Tustin Legacy	\$684,010	\$4,119,200	\$0	\$0	\$684,010	
OCWD Annexation	\$598,100	\$22,861,400	\$0	\$479,078	\$119,022	
Sewage Treatment	\$578,811	\$1,375,600	\$0	\$456,445	\$122,367	34 15 10
Property Management	\$533,147	\$24,969,300	\$533,147	\$0	\$0	
Development - Lake Forest	\$417,290	\$3,047,700	\$0	\$106,397	\$310,892	327
Development - PA39	\$184,508	\$470,000	\$0	\$0	\$184,508	
Development - SHII	\$152,195	\$7,095,600	\$0	\$0	\$152,195	1 6 4
Development - PA1	\$135,260	\$3,405,300	\$0	\$0	\$135,260	
Development - PA6	\$115,979	\$2,268,000	\$0	\$0	\$115,979	
Development - PA18	\$74,704	\$2,839,600	\$0	\$44,328	\$30,376	
Development - PA9B	\$7,990	\$506,100	\$0	\$0	\$7,990	
Development - PA40	\$4,269	\$447,700	\$0	\$0	\$4,269	
	\$94,822,459	\$779,202,740	\$38,156,979	\$31,634,492	\$25,030,988	



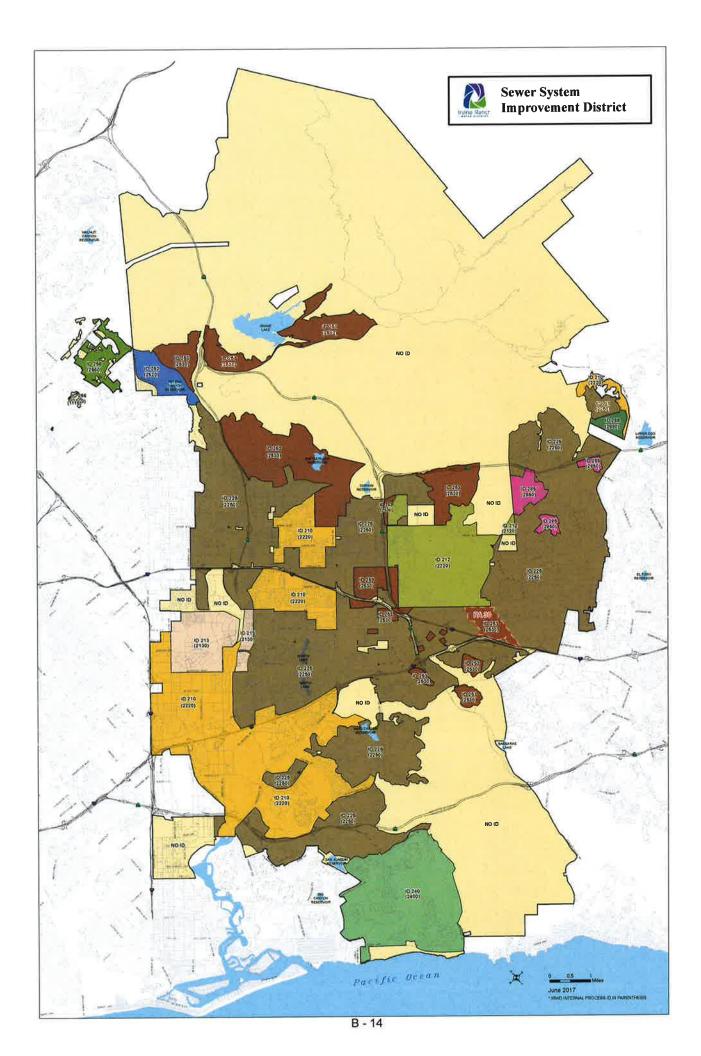


EXHIBIT "C"

RESOLUTION NO. 2018 -

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA, APPROVING DISTRICT'S CAPITAL BUDGET FOR FISCAL YEAR 2018-19

WHEREAS, the Board of Directors of the Irvine Ranch Water District (IRWD) has considered the capital project needs of IRWD for Fiscal Year 2018-19; and

WHEREAS, a Capital Budget, which includes both the capital expenditures projected for Fiscal Year 2018-19 and entire project budgets for the listed projects, as set forth in the attached Exhibit "A" has been prepared and reviewed by this Board of Directors; and

WHEREAS, during the review of the Capital Budget by the Board of Directors, the Board "flagged" certain capital expenditures for projects for further review by the Board; and

WHEREAS, Article XIIIB 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 XIIIB excludes from its limitations user charges and fees and regulatory fees, to the extent such fees and charges do not produce revenue exceeding the costs reasonably borne in providing the regulation, product or service, and Section 9 of Article XIIIB excludes from the appropriations subject to limitation an appropriation for a qualified capital outlay project, defined by statute as an appropriation for a fixed asset (including land and construction) with a useful life of 10 or more years and a value which equals or exceeds one hundred thousand dollars (\$100,000); and

WHEREAS, the expenditures identified in the Capital Budget are to be funded entirely from user fees and charges excluded by Article XIIIB, Section 8, and other monies that are not proceeds of taxes, such as proceeds of bonds or other indebtedness, and/or are expenditures for debt service or qualified capital outlay projects pursuant to Article XIIIB, Section 9.

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

Section 1. The revenues which have been collected from connection fees and have been deposited in the capital funds of the Improvement Districts, to the extent not previously or hereafter committed or appropriated to pay reimbursement, bonding and other financing or fund-management related costs for capital facilities, are hereby appropriated to pay costs of the projects shown in the Capital Budget.

Section 2. That relative to appropriations subject to limitation under Article XIIIB of the Constitution of the State of California, it is hereby determined that IRWD's Capital

Budget for Fiscal Year 2018-19 is to be funded totally by revenues other than the proceeds of taxes, and/or that the expenditures identified in such Capital Budget are for debt service or qualified capital outlay projects, and that the documentation used in making such determination has been on file in the offices of IRWD for not less than 15 days prior to the date hereof, pursuant to Section 7910 of the Government Code of the State of California.

Section 3. Subject in all respects to prior pledges for debt service requirements, including those contained in Resolution No. 2002-10, the Treasurer is hereby authorized and directed to allocate to the Replacement Fund, 29% of the general 1% ad valorem property tax revenues for the 2018-19 fiscal year, to be expended for qualified capital outlay projects.

Section 4. That IRWD's Capital Budget for Fiscal Year 2018-19 is in compliance with the provisions of Article XIIIB of the Constitution of the State of California.

Section 5. That IRWD's Capital Budget for Fiscal Year 2018-19, shown in the attached Exhibit "A" and by this reference incorporated herein, be and the same is hereby approved.

Section 6. That the capital expenditures for projects set forth in the attached Exhibit "A" identified with "Yes" in the Flagged report section are "flagged" for further review by the Board of Directors prior to implementation, pursuant to the Policy Regarding Authorization of Expenditures.

ADOPTED, SIGNED and APPROVED this 23th day of April, 2018.

President, IRVINE RANCI	
and of the Board of Directo	ors thereof
	THE DIGEDICA
Secretary, IRVINE RANCI	H WATER DISTRICT

APPROVED AS TO FORM: Lewis Brisbois Bisgaard & Smith, LLP Legal Counsel - IRWD

Ву	61			

April 23, 2018 Prepared and

Submitted by: K. Swan

Approved by: Paul A. 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

May 6

ACWA Spring 2018 Conference, Sacramento

Mary Aileen Matheis

April 20

Southern California Water Coalition Quarterly Meeting, Irwindale

Douglas Reinhart

May 31	Monthly Discussion of District Activities with the General Manager
June 26	Monthly Discussion of District Activities with the General Manager
July 26	Monthly Discussion of District Activities with the General Manager

Peer Swan

April 18

Orange County Water Association Monthly Meeting and Luncheon, Irvine

John Withers

April 18

ACC-OC Board of Directors Installation Reception, Fullerton

RECOMMENDATION:

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

LIST OF EXHIBITS:

None.

April 23, 2018

Prepared and

Submitted by: L. Bonkowski

Approved by: P. Cook / 6/

CONSENT CALENDAR

MINUTES OF BOARD MEETING

SUMMARY:

Provided are the minutes of the April 9, 2018 Regular Board meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE APRIL 9, 2018 REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – April 9, 2018 Minutes of Regular Board Meeting

EXHIBIT "A"

MINUTES OF REGULAR MEETING - APRIL 9, 2018

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 9, 2018 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

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

Directors Absent: LaMar.

Also Present: General Manager Cook, Executive Director of Water Policy Weghorst, Executive Director of Finance and Administration Clary, Executive Director of Engineering and Water Quality Burton, Director of Public Affairs Beeman, Director of Treasury and Risk Management Jacobson, Director of Water Operations Zepeda, Director of Maintenance Drake, Director of Administrative Services Mossbarger, Government Relations Officer Compton, Legal Counsel Collins, Secretary Bonkowski, Principal Engineer Akiyoshi, Principal Engineer Moeder, Manager of Risk and Contracts Shinbashi, Public Affairs Manager Fabris, Ms. Connie Ho, Ms. Eileen Lin, Mr. Craig Irey, Ms. Jennifer Davis, Mr. Doug Davert, Mr. Jim Fisler, Mr. Bob Ooten, Mr. Carl Cassidy, Mr. Chris Palmer, Consultant Bruce Newell and members of the public.

WRITTEN COMMUNICATIONS: None.

ORAL COMMUNICATIONS: Mr. Doug Davert, a candidate for the Orange County Local Agency Formation Commission's Regular Special District Member seat, asked for the Board's support at the upcoming election. Mr. Bob Ooten and Mr. Jim Fisler, both candidates for the Alternate Special District Member seat, also asked for the Board's support.

Mr. Carl Cassidy, a Corona del Mar resident, asked to speak relative to Item No. 4 (see page 2).

ITEMS TOO LATE TO BE AGENDIZED: None

PRESENTATION

DISTRICT TRANSPARENCY CERTIFICATE OF EXCELLENCE ACHIEVEMENT

Public Affairs Field Coordinator Chris Palmer with the California Special Districts Association presented the District with the Special District Leadership Foundation's District Transparency Certificate of Excellence which reflects the District's dedication to being fully transparent, and open and accessible to the public and other stakeholders.

BOARD WORKSHOP

FISCAL YEAR 2018-19 OPERATING BUDGET AND PROPOSED RATES AND CHARGES

Executive Director of Finance Clary reported that the proposed Fiscal Year (FY) 2018-19 Operating Budget for Irvine Ranch Water District is \$157.1 million, representing an increase of \$8.5 million, or 5.7%, when compared to the Operating Budget for FY 2017-18.

Using a PowerPoint presentation, Ms. Jennifer Davis reviewed the following key assumptions: 1) potable water sales are in line with the Fiscal Year 2017-18 budget; 2) customer growth equals three percent; 3) no change in customer water allocations; 4) no basin equity assessment payment budgeted; capital offsets will be used; 5) Biosolids facility will start up in Fiscal Year 2019-20; 6) Orange County Water District replenishment assessment is at \$472 per acre-foot; 7) Municipal Water District of Orange County (MWDOC) increase of 3.4% for potable and 5.2% for untreated water; 8) MWDOC meter charge is \$0.35 per meter increase (plus units); and 9) Public Employee Retirement System funding is at 25% and no OPEB funding.

Ms. Davis reviewed the potable sources of supply, water sales comparisons, and potable water source costs. She reviewed the four key drivers including salaries and benefits (\$57.5 million); purchased water (\$37.9 million); repairs and maintenance (\$24.0 million); and electricity (\$14.5 million) for a total of \$133.9 million. She reviewed a comparison of the key drivers with the prior year's budget; reviewed tables describing sources of revenue and expenses; proposed rates for a typical residential customer; proposed pumping surcharges; a comparison of proposed rates with neighboring agencies; and a history of rate increases. Based on the recommendation, a typical residential customer will experience an increase of \$1.58 or 3.0%, from \$52.20 to \$53.78, per month.

Mr. Christopher Smithson reviewed the non-operating budget and key assumptions including: 1) property taxes at a 4.0% growth of assessed values; investment income at 1.58% average rate of return; 2) real estate income: Serrano Summit promissory note maturity in September 2019; real estate fair market value; 3) interest expense at 1.53% average variable rate debt; and 4) real estate expense. Using a table, he reviewed the revenue and expenses. He further reviewed the budget process and noted that a second public workshop will be held on April 23, 2018 with Proposition 218 notices being mailed on May 5, 2018 and a public hearing will be held on June 25, 2018.

Director Swan said that this item was reviewed by the Finance and Personnel Committee on March 8, 2018, March 19, 2018, and April 3, 2018.

In response to Mr. Carl Cassidy's inquiry, Executive Director of Finance and Administration Clary said that she would be able to meet with him to review any questions he has relative to budget comparisons from the previous fiscal year and the process itself.

CONSENT CALENDAR

General Manager Cook asked that Item No. 7, 2018 LEGISLATIVE AND REGULATORY UPDATE, be moved to the Action Calendar as staff revised the item to include an update and position on the Metropolitan Water District's Board agenda item relative to unsubscribed capacity in the 9,000 cfs, two tunnel form of the California WaterFix. There being no objection, this item was

moved to the Action Calendar. There being no further comments, CONSENT CALENDAR ITEMS 5, 6, AND 8 WERE APPROVED AS FOLLOWS:

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

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

6. MINUTES OF REGULAR BOARD MEETINGS

Recommendation: That the minutes of the March 26, 2018 and April 2, 2018 Regular Board Meetings be approved as presented.

8. <u>INITIAL DISINFECTION FACILITY SODIUM HYPOCHLORITE STORAGE AND</u> FEED SYSTEM FINAL ACCEPTANCE

Recommendation: That the Board authorize the General Manager to accept construction of the Initial Disinfection Facility Sodium Hypochlorite Storage and Feed System, project 06213, 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.

ACTION CALENDAR

2018 LEGISLATIVE AND REGULATORY UPDATE - REVISED

General Manager Cook reported he was informed that the Metropolitan Water District Board of Directors will be considering financing the unsubscribed capacity in the 9,000 cfs, two tunnel form of the California WaterFix at its Board meeting on April 10, 2018. Staff has included a revised staff recommendation to include a support position for Option 2 implementation of the California WaterFix. Mr. Cook said that by financing the unsubscribed capacity, Metropolitan could realize substantial benefits including increasing its own water supplies, gaining the ability to sell or lease capacity, generating wheeling revenue, and facilitating transfers of water from north of the Delta. He said that these benefits would improve future water supply reliability to IRWD along with the entire Metropolitan service area. He further said that if the Board supports staff's position, a letter will be hand-delivered to MWD's Chairman tomorrow at its meeting showing the District's support of Option 2.

On MOTION by Matheis, seconded by Withers and unanimously carried, THE BOARD ADOPTED A "SUPPORT" POSITION ON AB 2050 (CABALLERO, D-SALINA); AN "OPPOSE" POSITION ON AB 1876 (FRAZIER, D-FAIRFIELD); A "SUPPORT" POSITION ON AB 2283 (HOLDEN, D-PASADENA); A "SEEK AMENDMENTS" POSITION ON AB 2890 (TING, D-SAN FRANCISCO); A "WATCH" POSITION ON AB 2711 (CHEN, R-BREA); A "SUPPORT" POSITION ON AB 3170 (FRIEDMAN, D-GLENDALE); A "SEEK AMENDMENTS" POSITION ON SB 831(WIECKOWSKI, D-FREMONT); A "SEEK AMENDMENTS" POSITION ON SB 1469 (SKINNER, D-OAKLAND); AND AN "OPPOSE UNLESS AMENDED" POSITION ON SB 998 (DODD, D-NAPA); AND A "SUPPORT" METROPOLITAN WATER DISTRICT OF

SOUTHERN CALIFORNIA FINANCING THE UNSUBSCRIBED CAPACITY IN THE 9,000 CFS, TWO TUNNEL FORM OF THE CALIFORNIA WATERFIX AS REVISED.

ENTERPRISE SERVER AND STORAGE REPLACEMENT

General Manager Cook reported that the current enterprise server and storage equipment, purchased and installed in 2011 provides server processing and storage for the District's enterprise applications and files and is nearing end of service. The applications include Oracle Financials (EBS), Oracle Business Intelligence (BI), Oracle Customer Care and Billing (CC&B), Maximo, and Micro Focus file storage services. Proposals were received from Carahsoft Technology Corp, Sirius Computer Solutions, and Nutanix Inc. Staff recommends Sirius Computer Solutions as it has the best overall pricing for the enterprise server and storage replacement equipment, providing the District significant discounts from list pricing and has extensive experience providing equipment installation and implementation services to the District.

Director Swan said that this item was reviewed and approved by the Finance and Personnel Committee on April 3, 2018. On <u>MOTION</u> by Swan, seconded by Withers, and unanimously carried, THE BOARD APPROVED A GENERAL PLANT EXPENDITURE OF \$334,943 WITH SIRIUS COMPUTER SOLUTIONS TO PURCHASE AND IMPLEMENT THE ENTERPRISE SERVER AND STORAGE REPLACEMENT EQUIPMENT.

ANNUAL ORACLE SOFTWARE MAINTENANCE AND SUPPORT AGREEMENT RENEWAL

The Oracle Software Maintenance and Support Agreements, which expire in May 2018, 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. These agreements provide pricing for software maintenance and licenses contained in the CC&B and Technology Software License Agreement executed with Oracle in May 2014 as well as the EBS Financial Software Agreement executed with Oracle in May 2010. On MOTION by Swan, seconded by Withers and unanimously carried, THE BOARD APPROVED RENEWAL OF THE ANNUAL ORACLE SOFTWARE MAINTENANCE AND SUPPORT AGREEMENTS AND ADDITIONAL LICENSES AND SUPPORT IN THE AMOUNT OF \$903,000.

<u>AUDITOR SELECTION FOR FIVE-YEAR CONTRACT COMMENCING IN FISCAL YEAR</u> 2018

Executive Director of Finance and Administration Clary 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, and that in 2015, key principals at MHM left the firm and formed a new firm, Davis Farr LLP (Davis Farr). Ms. Clary said that the Board approved a two-year audit services contract with Davis Farr, commencing with the fiscal year ended June 30, 2015. In April 2017, the Board authorized a one-year contract extension with Davis Farr to perform audit services for the fiscal year ended June 30, 2017.

Ms. Clary said that staff solicited proposals from 12 qualified audit firms and received proposals from seven firms for a five-year contract. The first audit to be performed under this new contract will be for fiscal year 2017-18. She said that after evaluating the proposals received and conducting interviews of the top three scoring firms, staff recommends the retention of Davis Farr at an annual cost commencing at \$63,540. Although Davis Farr is not the least expensive firm for the standard audit and financial reporting work, staff contends the additional average annual cost of less than \$7,000 per year from the lowest bid is outweighed by the internal costs noted above as well as the audit quality that comes with continuity and institutional knowledge of the District.

Director Swan said that this item was reviewed by the Finance and Personnel Committee on April 3, 2018. On MOTION by Swan, seconded and unanimously carried, THE BOARD APPROVED A FIVE-YEAR CONTRACT WITH DAVIS FARR LLP AT A COST OF \$330,620.

GENERAL MANAGER'S REPORT

General Manager Cook reported that he was invited by the Coastkeepers to participate in a mini-documentary relative to the Poseidon project. He further said that on Wednesday April 11, 2018 he will be in Sacramento with Government Relations Officer Compton attending WateReuse California and CASA's Public Policy Forum.

DIRECTORS' COMMENTS

Director Matheis reported on her attendance at the ISDOC quarterly meeting, an ISDOC Executive Committee meeting, an Orange County forum, a MWDOC Board and Member Agency elected officials' forum, and a WACO monthly meeting.

Director Withers thanked Executive Director of Engineering and Water Quality Burton for attending a meeting with the Crystal Cove Conservancy to determine the viability of restoring the remainder of the residences in Crystal Cove. He further said he attended his regular meetings.

Director Swan reported that he attended a Newport Bay Watershed meeting, SAWPA meetings, a WateReuse conference in Monterey along with a retirement celebration, an OCWD meeting, a MWDOC Planning Committee meeting, and an Orange County Forum honoring Congressman Ed Royce.

Director Reinhart reported that he attended an El Toro Water District dedication of a demonstration garden. He said he was unable to attend the MWDOC and SOCWA Board meetings as he was out of town.

CLOSED SESSION

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

CLOSED SESSION with Legal Counsel relative to: Anticipated litigation - Government Code Section 54956.9(d)(2) - significant exposure to litigation (one potential case: BKK Working Group notification to IRWD of potential liability, claim and/or litigation on file with the District.

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

ADJOURNMENT

President Reinhart adjourned the meeting at 6:47 p.m.

APPROVED and SIGNED this 23rd day of April, 2018.

President, IRVINE RANCH WATER DISTRICT

Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Claire Hervey Collins, Legal Counsel – Lewis Brisbois

April 23, 2018

Prepared by: J. Davis/T. Fournier

Submitted by: R. Jacobson/C. Clary

Approved by: Paul A. Cook

CONSENT CALENDAR

MARCH 2018 TREASURY REPORTS

SUMMARY:

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

- A. The Investment Summary Report for March 2018. This Investment Summary Report is in conformity with the 2018 Investment Policy and provides sufficient liquidity to meet estimated expenditures during the next six months, as outlined in Exhibit "A".
- B. The Summary of Fixed and Variable Debt as of March 31, 2018, as outlined in Exhibit "B".
- C. The Monthly Interest Rate Swap Summary as of March 31, 2018, as outlined in Exhibit "C".
- D. The March 31, 2018 Disbursement Summary of warrants 385062 through 386582, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$40,337,512 as outlined in Exhibit "D".
- E. The Summary of Payroll ACH payments in the total amount of \$2,779,201, as outlined in Exhibit "E".
- F. The Disclosure Report of Reimbursements to Board Members and Staff for March 2018, detailing payments or reimbursements for individual charges of \$100.00 or more per transaction, as outlined in Exhibit "F".

FISCAL IMPACTS:

As of March 31, 2018, the book value of the investment portfolio was \$359,110,299, with a 1.25% rate of return and a market value of \$355,994,278. Based on the District's March 31, 2018 quarterly real estate investment rate of return of 8.91%, the weighted average return for the fixed income and real estate investments was 3.46%.

As of March 31, 2018, the outstanding principal amount of fixed and variable rate debt was \$683,120,000. The monthly weighted average all-in variable rate was 1.44%. Including the District's weighted average fixed rate bond issues of 3.70% and the previous month's negative cash accruals from fixed payer interest rate swaps, which hedge a portion of the District's variable rate debt, the total average debt rate was 3.50%.

Consent Calendar: March 2018 Treasury Reports

April 23, 2018

Page 2

As of March 31, 2018, 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 \$421,066.

Payroll ACH payments totaled \$2,779,201, and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for March totaled \$40,337,512.

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 SUMMARY OF FIXED AND VARIABLE RATE DEBT, THE MONTHLY INTEREST RATE SWAP SUMMARY FOR MARCH 2018, AND DISCLOSURE REPORT OF REIMBURSEMENTS TO BOARD MEMBERS AND STAFF; APPROVE THE MARCH 2018 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$2,779,201 AND APPROVE THE MARCH 2018 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 385062 THROUGH 386582 WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$40,337,512.

LIST OF EXHIBITS:

Exhibit "A" – Investment Summary Report

Exhibit "B" - Summary of Fixed and Variable Debt

Exhibit "C" - Monthly Interest Rate Swap Summary

Exhibit "D" - Monthly Summary of District Disbursements

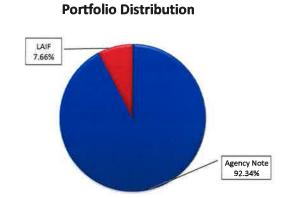
Exhibit "E" - Monthly Payroll ACH Summary

Exhibit "F" - Disclosure of Reimbursements to Board Members and Staff

Exhibit "A"

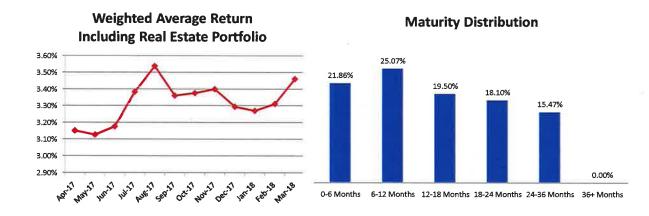
Irvine Ranch Water District Investment Portfolio Summary March 2018

1.40%
1.20%
1.00%
0.80%
0.40%
0.20%
0.00%



Investment Summary

Type	PAR	Book Value	Market Value
Agency Note	331,550,000	331,610,299	328,561,983
LAIF	27,500,000	27,500,000	27,432,295
Grand Total	359,050,000	359,110,299	355,994,278



Top Issuers

Issuer	PAR	% Portfolio
Fed Home Loan Bank	111,000,000	30.91%
Fed Natl Mortgage Assoc	80,550,000	22.44%
Fed Home Loan Mortgage Corp	75,000,000	20.89%
Fed Farm Credit Bank	65,000,000	18.10%
State of California Treasury - LAIF	27,500,000	7.66%
Grand Total	359,050,000	100%

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT

03/31/18

						03/31/18							
SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YŒLD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 3/31/2018	UNREALIZED ⁽²⁾ GAIN/(LOSS)
08/23/17			04/01/18		LAIF	State of California Tsy.	\$27,500,000		1.430%	\$27,500,000.00	\$27,500,000,00	27,432,295.03	(67,704.97)
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	4,999,956.28	4,999,050.00	(906.28)
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	4,999,691.78	4,994,500.00	(5,191,78)
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	5,000,724,93	4,994,200.00	(6,524.93)
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	11,005,160.70	10,989,110.00	(16,050.70)
06/29/16	N/A	N/A	06/29/18	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	10,000,000	1.000%	0.679%	10,016,000.00	10,001,950.68	9,979,200.00	(22,750.68)
09/01/16	N/A	N/A	07/27/18	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.750%	0.928%	4,983,250.00	4,997,176.15	4,981,800.00	(15,376:15)
12/21/16	N/A	N/A	08/15/18	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.000%	1,245%	4,980,000.00	4,995,481.73	4,983,950.00	(11,531.73)
09/01/16	N/A	N/A	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	4,980,000.00	(20,000.00)
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	5,004,691.79	4,980,350.00	(24,341179)
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	4,997,742.40	4,980,350.00	(17,392,40)
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	9,997,216.78	9,946,400.00	(50,816.78)
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	4,998,324.02	4,976,050.00	(22,274,02)
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	5,002,588.49	4,980,000.00	(22,588.49)
10/12/16	N/A	N/A	10/12/18	Aaa/NR/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	1,000%	1.041%	9,992,000.00	9,997,654.79	9,947,900.00	(49,754.79)
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	10,047,027.84	9,974,100.00	(72,927,84)
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	5,028,134,41	4,967,800.00	(60,334.41)
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	5,014,888.15	4,989,350.00	(25,538,15)
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	4,992,671.15	4,989,350.00	(3,321,15)
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	4,997,584.56	4,949,800.00	(47,784,56)
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	4,996,434.62	4,949,800.00	(46,634.62)
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	4,996,246.97	4,949,800.00	(46,446.97)
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	9,996,049.24	9,907,000.00	(89,049.24)
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	5,024,702.07	4,970,200.00	(54,502.07)
03/21/18	NA	NA	03/21/19	Aaa/NA/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	2.125%	2.125%	10,000,000.00	10,000,000.00	9,997,200.00	(2,800.00)
10/12/16	N/A	N/A	03/29/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.050%	1.050%	4,999,950.00	4,999,978.73	4,944,000.00	(55,978.73)
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	10,014,302.95	9,893,500.00	(120,802.95)
10/31/16	N/A	N/A	04/26/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.050%	1.060%	4,998,750.00	4,999,461.14	4,939,500.00	(59,961.14)
09/01/16	N/A	N/A	05/28/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.030%	1.048%	4,997,550.00	4,998,965.07	4,932,000.00	(66,965,07)
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	5,037,764.37	4,967,100.00	(70,664.37)
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	5,032,255.17	4,967,100.00	(65,155,17)
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	4,985,156.96	4,914,150.00	(71,006,96)
09/01/16	NA	NA	07/26/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.150%	1-180%	4,995,700.00	4,998,045.09	4,930,300.00	(67,745.09)
09/01/16	N/A	N/A	08/28/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.150%	1.160%	4,998,500.00	4,999,293.31	4,924,850.00	(74,443.31)
09/01/16	NA	NA	08/28/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.125%	1.132%	4,999,000.00	4,999,528.87	4,923,150.00	(76,378.87)
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	4,998,774.33	4,907,200.00	(91,574.33)
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	5,000,745.89	4,927,500.00	(73,245.89)
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	9,994,635.91	9,834,000.00	(160,635,91)
10/12/16	Continuous after	10/11/17	10/11/19	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	1.120%	1.205%	9,975,000.00	9,986,791.59	9,823,900.00	(162,891.59)

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT

03/31/18

Ca SETTLMT Sche	all edule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 3/31/2018	UNREALIZED ⁽²⁾ GAIN/(LOSS)
11/08/16 Quar	erterly	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	5,000,401.37	4,919,800.00	(80,601.37)
11/28/16 N	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	4,994,820.84	4,928,900.00	(65,920.84)
11/28/16 Quar	arterly	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	4,991,717.03	4,929,550.00	(62,167.03)
12/12/16 N.	NA	NA	12/12/19	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.450%	1.440%	5,001,450.00	5,000,820,43	4,931,250.00	(69,570.43)
12/21/16 N.	NA.	NA	12/19/19	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.500%	1.621%	4,982,350.00	4,989,875.07	4,932,500.00	(57,375,07)
12/20/17 N	NA.	NA	01/17/20	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.500%	1.932%	4,956,250.00	4,958,039.25	4,928,700.00	(29,339.25)
10/16/17 N.	NA	NA	02/28/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.500%	1.612%	4,987,025.00	4,989,530.00	4,924,550.00	(64,980.00)
12/20/17 N	NA	NA	03/13/20	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	4,125%	1.940%	5,237,200.00	5,228,166,58	5,166,200.00	(61,966,58)
10/03/17 N.	NA.	NA	04/20/20	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.375%	1.630%	4,968,350.00	4,974,475.81	4,904,650.00	(69,825.81)
11/21/17 Continue	wous after	02/20/18	05/20/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.830%	1.930%	4,987,500.00	4,972,389.53	4,928,550.00	(43,839.53)
11/10/17 N	NA.	NA	06/22/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.500%	1.750%	4,968,000.00	4,989,448.41	4,903,250.00	(86,198,41)
12/20/17 Quar	arterly	11/10/16	08/10/20	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.450%	2.052%	4,923,000.00	4,925,476.14	4,886,450.00	(39,026.14)
12/12/17 One 1	Time	09/28/18	09/28/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	2.000%	2.000%	5,000,000.00	5,000,000.00	4,947,750.00	(52,250.00)
10/31/17 One 1	Time	10/30/18	10/30/20	Aaa/NR/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,550,000	1.850%	1.850%	5,550,000.00	5,550,000.00	5,460,922.50	(89,077.50)
12/13/17 Continue	uous after	08/23/17	11/23/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.770%	2.060%	4,958,750.00	4,959,938.43	4,905,050,00	(54,888.43)
12/13/17 Quar	arterly	05/24/18	11/24/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.900%	2.023%	4,982,500.00	4,983,003.71	4,926,550.00	(56,453.71)
11/30/17 N	NA	NA	11/24/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.850%	1.964%	4,983,550.00	4,985,391.19	4,923,800.00	(61,591.19)
12/20/17 N	NA	NA	12/28/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.875%	2.023%	4,978,400.00	4,979,006.52	4,928,050.00	(50,956.52)

TOTAL INVESTMENTS	\$359,050,000	*	\$359,371,059.98	\$359,110,299.24	\$355,994,277,53

Petty Cash Ck Balance

Bank of America

3,400.00 1,417,303.51 \$360,791,763.49

LAIF market value is as of the most recent quarter-end as reported by LAIF.	Outstanding Variable Rate Debt			\$284,200,00		
ecurity market values are determined using Bank of New York ("Trading Prices"), Bloomberg	Net Outstanding Variable Rate Debt (Less \$130 million fixed-payer swaps)					
nd/or broker dealer pricing.	Investment Balance:			\$360,791,76		
Gain (loss) calculated against carry value using the trading value provided by Bank of New York/or Brokers	Investment to Variable Rate Debt Ratio:			234		
Real estate rate of return is based on most recent quarter end return	Portfolio - Average Number of Days To Maturity(4)					
2		Investment	Real Estate ⁽³⁾	Weighted Avg.		
		Portfolio	Portfolio	Return		
	March	1.25%	8.91%	3.46%		
his Investment Summary Report is in conformity with the 2018 Investment Policy	February	1.24%	8.49%	3.31%		
nd provides sufficient liquidity to meet the next six months estimated expenditures.	Change	0.01%		0.15%		

IRVINE RANCH WATER DISTRICT SUMMARY OF MATURITIES

03/31/18

DATE	TOTAL	%	LAIF	Agency Notes	Agency Discount Notes	Collateral Deposit	US Treasury
03/18	\$27,500,000	7.66%	\$27,500,000				
04/18	5,000,000	1.39%		5,000,000			
05/18	10,000,000	2.79%		10,000,000		9	
06/18	21,000,000	5.85%		21,000,000			
07/18	5,000,000	1.39%		5,000,000			
08/18	10,000,000	2.79%		10,000,000			
09/18	25,000,000	6.96%		25,000,000			
10/18	15,000,000	4.18%		15,000,000			
11/18	10,000,000	2.79%		10,000,000			
12/18	15,000,000	4.18%		15,000,000			
01/19	15,000,000	4.18%		15,000,000			
02/19	10,000,000	2.79%		10,000,000			
SUB-TOTAL	\$168,500,000	46.93%	\$27,500,000	\$141,000,000			
13 Months - 3 YEARS							
3/01/19 - 5/31/2019	40,000,000	11.14%		40,000,000			
6/01/19 - 8/31/2019	30,000,000	8.36%		30,000,000			
9/01/2019 - 11/30/19	45,000,000	12.53%		45,000,000			
12/01/19 - 2/28/2020	20,000,000	5.57%		20,000,000			
3/01/2020 - 5/31/2020	15,000,000	4.18%		15,000,000			
6/01/2020 - 8/31/2020	10,000,000	2.79%		10,000,000			
9/01/2020 -12/31/2020	30,550,000	8.51%		30,550,000			
1/01/2021 -2/28/2021							
TOTALS	\$359,050,000	100.00%	\$27,500,000	\$331,550,000			

% OF PORTFOLIO

7.66%

92.34%

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT INVESTMENT ACTIVITY Mar-18

MATURITIES/SALES/CALLS

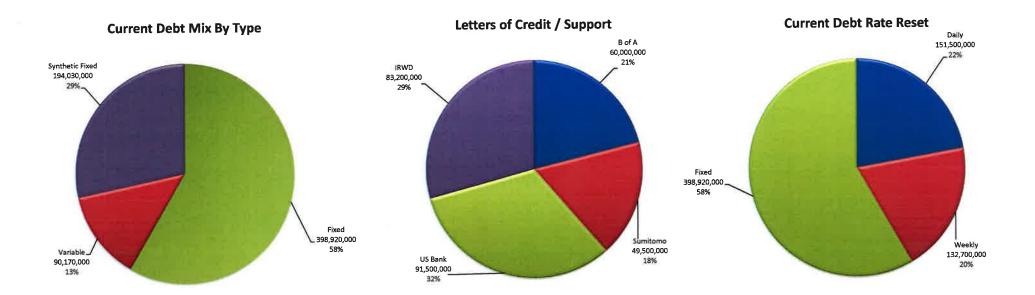
PURCHASES

DATE	SECURITY TYPE	PAR	YIELD	Settlement Date	Maturity Date	SECURITY TYPE	PAR	YIELD TO MATURITY
3/23/2018	FHLMC - Note	\$5,000,000	0.91%	3/21/2018	3/21/2019	FHLB - Note	\$10,000,000	2.13%
					,			

							ANNUALIZED
					E	ESTIMATED	RATE OF RETURN
	ACQUISITION	PROPERTY	OWNERSHIP	ORIGINAL	MA	RKET VALUE	QUARTER ENDED
	DATE	TYPE	INTEREST	COST		3/31/2018	3/31/2018
	·	**************************************	-				·
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 43,550,810	\$	147,507,750	18.94%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	\$	28,934,076	8.56%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,739,845	\$	9,571,680	11.08%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,630,577	\$	7,803,000	3.39%
Sand Canyon Professional Center	Jul-12	Medical Office	Fee Simple	\$ 8,648,594	\$	10,820,160	9.02%
Total - Income Properties				\$ 72,569,826	\$	204,636,666	14.43%
OTHER REAL ESTATE DESCRIPTION							
Serrano Summit - Promissory Note	Sep-17	NA	NA	\$ 81,600,000	\$	81,600,000	4.00%
Total - Income Producing Real Estate I	nvestments			\$ 154,169,826	\$	286,236,666	8.91%

Exhibit "B"

Irvine Ranch Water District Summary of Fixed and Variable Rate Debt March 2018



Outstanding Par by Series											
Callen	Issue Date	Maturity Date	Remaining Principal	Percent	Letter of Credit	Rmkt Agent	Mode	Reset			
Series				4.61%	US Bank	BAML	Variable	Daily			
Series 1993	05/19/93	04/01/33	\$31,500,000								
Series 2008-A Refunding	04/24/08	07/01/35	\$49,500,000	7.25%	Sumitomo	BAML	Variable	Weekly			
Series 2011-A-1 Refunding	04/15/11	10/01/37	\$49,920,000	7.31%	IRWD	Goldman	Variable	Weekly			
Series 2011-A-2 Refunding	04/15/11	10/01/37	\$33,280,000	4.87%	IRWD	Morgan	Variable	Weekly			
Series 2009 - A	06/04/09	10/01/41	\$60,000,000	8.78%	US Bank	US Bank	Variable	Daily			
Series 2009 - B	06/04/09	10/01/41	\$60,000,000	8.78%	B of A	Goldman	Variable	Daily			
2010 Refunding Cops	02/23/10	03/01/20	\$3,775,000	0.55%	N/A	N/A	Fixed	Fixed			
2016 COPS	09/01/16	03/01/46	\$116,745,000	17.09%	N/A	N/A	Fixed	Fixed			
2010 Build America Taxable Bond	12/16/10	05/01/40	\$175,000,000	25.62%	N/A	N/A	Fixed	Fixed			
Series 2016	10/12/16	02/01/46	\$103,400,000	15.14%	N/A	N/A	Fixed	Fixed			
Total			\$683,120,000	100.00%							

IRVINE RANCH WATER DISTRICT

SUMMARY OF FIXED & VARIABLE RATE DEBT

March-18

Daily Weekly

	GE	NERAL BO	ND INFORMAT	TON				LETTER OF CREDIT INFORMATION									TR	USTEE INFOR	MATION	
VARIABLE RATE ISSUES	Issue Date	Maturity Date	Principal Payment Date	Payment Date	Original Par Amount	Remaining Principal	Letter of Credit	Reimbursment Agreement Date		MOODYS	S&P	FITCH	LOC Stated Amount	LOC Fee	Annual LOC Cost	Rmkt Agent	Reset	Rmkt Fees	Cost	Trustee
SERIES 1993	05/19/93	04/01/33	APR 1 (2014)	5th Bus, Day	\$38,300,000	\$31,500,000	US BANK	05/07/15	11/07/18	Aa3/VMIG1	AA-/A-1+	N/R	\$31,924,603	0.3300%	\$105,351	BAML	DAILY	0.10%	\$31,500	BANK OF N
SERIES 2008-A Refunding	04/24/08	07/01/35	JUL 1	5th Bus, Day	\$60,215,000	\$49,500,000	SUMITOMO	04/01/11	07/21/21	A1/P-1	A/A-1	A/F1	\$50,232,329	0.3150%	\$158,232	BAML	WED	0.07%	\$34,650	BANK OF N
SERIES 2011-A-1 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	\$60,545,000	\$49,920,000	N/A	N/A	N/A	Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A	Goldman	WED	0.13%	\$62,400	BANK OF N
SERIES 2011-A-2 Refunding	04/15/11	10/01/37	Oct 1	1st Bus Day	\$40,370,000	\$33,280,000	N/A	N/A	N/A	Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A	Morgan S	WED	0.13%	\$41,600	BANK OF N
SERIES 2009 - A	06/04/09	10/01/41	Oct 1	1st Bus. Day	\$75,000,000	\$60,000,000	US BANK	04/01/11	12/22/20	Aa2/VMIG 1	AA-/A-1+	AA/F1+	\$60,670,685	0.4100%	\$248,750	US Bank	DAILY	0.07%	\$42,000	US BANK
SERIES 2009 - B	06/04/09	10/01/41	Oct 1	1st Bus Day	\$75,000,000	\$60,000,000	B of A	04/01/11	07/15/19	A1/VMIG 1	A/A-1	A1/F1+	\$60,670,685	0.4000%	\$242,683	Goldman	DAILY	0,10%	\$60,000	US BANK

					\$349,430,000	\$284,200,000	SUB-TOTAL	VARIABLE RAT	E DEBT				\$203,498,301	0.3711% (Wt. Avg)				0,10% (WL Avg)	\$272,150	-
FIXED RATE ISSUES																				
2010 REFUNDING COPS	02/23/10	03/01/20	Mar -1	MAR/SEPT	\$85,145,000	\$3,775,000	N/A	N/A	N/A	Aa1	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BANK OF N
2010 GO Build America Taxable Bonds	12/16/10	05/01/40	MAY (2025)	MAY/NOV	\$175,000,000	\$175,000,000	N/A	N/A	N/A	Aa1	AAA	NR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	US BANK
2016 COPS	09/01/16	03/01/46	Mar - 1	MAR/SEPT	\$116,745,000	\$116,745,000	N/A	N/A	N/A	NR	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	US BANK
SERIES 2016	10/12/16	02/01/46	Feb - 1	FEB/AUG	\$103 400 000	\$103,400,000	N/A	N/A	N/A	NR	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BANK OF NY

\$480,290,000 \$398,920,000 SUB-TOTAL FIXED RATE DEBT

\$829,720,000 \$683,120,000 TOTAL- FIXED & VARIABLE RATE DEBT

Remarke	ting Agents		GO VS COP's					
Goldman	109,920,000	39%	GO:	562,600,000	82%			
Morgan Stanley	33,280,000	12%	COPS:	120,520,000	18%			
BAML	81,000,000	29%	Total	683,120,000				
US Bank	60,000,000	21%						
	284,200,000							

LOCE	Banks	Breakdown Betwe	en Variable & Fixed R	ate Mode
		Daily Issues	151,500,000	22%
SUMITOMO	49,500,000	Weekly Issues	49,500,000	7%
BANK OF AMERICA	60,000,000	ITN Issues	83,200,000	12%
US BANK	91,500,000	Sub-Total	284,200,000	
	201,000,000			
		Fixed Rate Issues	\$398,920,000	58%
		Sub-Total - Fixed	398,920,000	
		TOTAL DEBT		
		FIXED & VAR	683,120,000	100%

IRVINE RANCH WATER DISTRICT SUMMARY OF DEBT RATES Mar-18

Rmkt Agent Mode Bond Issue Par Amount Bank Reset	GOLDMAN DAILY 2009 - B 60,000,000 BOFA	GOLDMAN WEEKLY 2011 A-1 49,920,000 (SIFMA -1) Wednesday	MORGAN STANLEY WEEKLY 2011 A-2 33,280,000 (SIFMA -1) Wednesday	MERRIL DAILY 1993 31,500,000 US BANK	L LYNCH WEEKLY 2008-A 49,500,000 Sumitomo Wednesday	US BANK DAILY 2009-A 60,000,000 US BANK
3/1/2018	0.81%	1.08%	1,08%	0.76%	0.93%	0.81%
3/2/2018	0.74%	1,08%	1,08%	0.76%	0.93%	0.80%
3/3/2018	0.74%	1.08%	1,08%	0.76%	0,93%	0.80%
3/4/2018	0.74%	1.08%	1.08%	0.76%	0.93%	0.80%
3/5/2018	0.74%	1.08%	1,08%	0.78%	0,93%	0,75%
3/6/2018	0.74%	1,08%	1,08%	0.78%	0.93%	0.75%
3/7/2018	0.77%	1.08%	1,08%	0.78%	0.93%	0.77%
3/8/2018	0.79%	1.12%	1.12%	0.79%	0,97%	0.80%
3/9/2018	0.80%	1.12%	1,12%	0.82%	0.97%	0.83%
3/10/2018	0.80%	1.12%	1.12%	0.82%	0.97%	0.83%
3/11/2018	0,80%	1.12%	1.12%	0.82%	0.97%	0,83%
3/12/2018	0.82%	1.12%	1.12%	0,92%	0.97%	0.83%
3/13/2018	0,90%	1.12%	1.12%	0.85%	0.97%	0.87%
3/14/2018	0.92%	1.12%	1.12%	0.89%	0.97%	0.93%
3/15/2018	0.94%	1.21%	1.21%	0.94%	1.05%	0.98%
3/16/2018	0.95%	1.21%	1.21%	0.97%	1.05%	0.98%
3/17/2018	0.95%	1.21%	1.21%	0.97%	1,05%	0.98%
3/18/2018	0.95%	1.21%	1.21%	0,97%	1.05%	0.98%
3/19/2018	0.96%	1.21%	1.21%	0.98%	1.05%	1.00%
3/20/2018	0.98%	1.21%	1.21%	1.02%	1.05%	1.00%
3/21/2018	1.03%	1.21%	1.21%	1.08%	1.05%	1.01%
3/22/2018	1,07%	1.35%	1.35%	1,15%	1.25%	1.08%
3/23/2018	1.17%	1.35%	1.35%	1.16%	1.25%	1.10%
3/24/2018	1.17%	1.35%	1.35%	1.16%	1,25%	1.10%
3/25/2018	1.17%	1.35%	1.35%	1.16%	1.25%	1.10%
3/26/2018	1.18%	1.35%	1.35%	1.28%	1.25%	1.18%
3/27/2018	1.30%	1.35%	1.35%	1.29%	1.25%	1.22%
3/28/2018	1.35%	1.35%	1.35%	1.33%	1.25%	1.33%
3/29/2018	1.47%	1.57%	1.57%	1.44%	1,47%	1.45%
3/30/2018	1.47%	1.57%	1.57%	1.44%	1.47%	1.45%
3/31/2018	1_47%	1.57%	1.57%	1.44%	1.47%	1.45%
Avg Interest Rates	0.99%	1.24%	1.24%	1.00%	1.09%	0.99%
Rmkt Fee	0.10%	0.13%	0.13%	0.10%	0.07%	0.07%
LOC Fee	0.40%			0.33%	0.32%	0.41%
All-In Rate	1.49%	1.36%	1.36%	1.43%	1.48%	1.48%
Par Amount	109	,920,000	33,280,000		0,000	60,000,000

	Percent of	Par	Weighted All-In		Base Rate
Interest Rate Mode	Total Variable Rate Debt	Outstanding	Average Rate		Average
Daily	53.31%	151,500,000	1.47%		0.99%
Weekly	46.69%	132,700,000	1.40%		1.18%
	100.00%	\$ 284,200,000	1.44%		1.08%
Fixed					
COPS 2010	0.95%	3,775,000	3.82%		
COPS 2016	29.27%	116,745,000	2.90%		
BABS 2010	43.87%	175,000,000	4.46%	(1)	
SERIES 2016	25.92%	103,400,000	3.32%		
	100.00%	\$ 398,920,000	3.70%		

IRVINE RANCH WATER DISTRICT **INTEREST RATE SWAP MONTHLY SUMMARY REPORT - DETAIL** March 31, 2018

Exhibit "C"

Prior Mo. | Current Mo. | 12-Mo Avg LIBOR Avg % 1.56% 1.60% 1.32%

		Cur	rent Fisca	l Ye	ar Active Swa	aps					Cash F	low	(Since 6/06)		Mark to	Mar	ket
Effective Date	Maturity Date	Years to Maturity	Counter Party	N	otional Amt	Туре	Base Index	Fixed Rate	Pr	ior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Cu	rrent Mark to Market		Notional Difference
F	ixed Payer	Swaps - I	By Effective	ve D	ate		, , , , , , , , , , , , , , , , , , , ,										
6/4/2006	6/4/2019	1.2	ML	\$	20,000,000	FXP	LIBOR	6.200%		(82,223)	(68,470)	\$ (720,910)	\$ (11,644,203)	\$	19,077,677	\$	(922,323)
6/4/2006	6/4/2019	1.2	CG		20,000,000	FXP	LIBOR	6.200%		(82,223)	(68,470)	(720,910)	(11,644,203)		19,078,075		(921,925)
6/17/2006	6/17/2019	1.2	CG		30,000,000	FXP	LIBOR	6.140%		(121,975)	(101,530)	(1,067,504)	(17,270,161)		28,599,635		(1,400,365)
3/10/2007	3/10/2029	11.0	ML		30,000,000	FXP	LIBOR	5.687%		(110,144)	(91,298)	(966,620)	(15,572,427)		21,550,315		(8,449,685)
3/10/2007	3/10/2029	11.0	CG		30,000,000	FXP	LIBOR	5.687%		(110,144)	(91,298)	(966,620)	(15,572,427)		21,550,593		(8,449,407)
Totals/Weig	hted Avgs	5.7		\$	130,000,000			5.949%	\$	(506,709)	\$ (421,066)	\$ (4,442,563)	\$ (71,703,419)	\$	109,856,295	\$	(20,143,705)
Total Curre	ent Year																
Active Swa	ps			\$	130,000,000				\$	(506,709)	\$ (421,066)	\$ (4,442,563)	\$ (71,703,419)	\$	109,856,295	\$	(20,143,705)

Current Fiscal Year Terminated Swaps											
Effective	Maturity	Counter			Base						
Date	Date	Party	Notional Amt	Туре	Index	Fixed Rate					

	Cas	h Flow	
Prior	Current		Cumulative
Month	Month	Fiscal YTD	Cash Flow

Mark to	Market
Current Mark to	Notional
Market	Difference

Total Current Year Terminated Swaps

Current Fiscal Year - Total Swaps

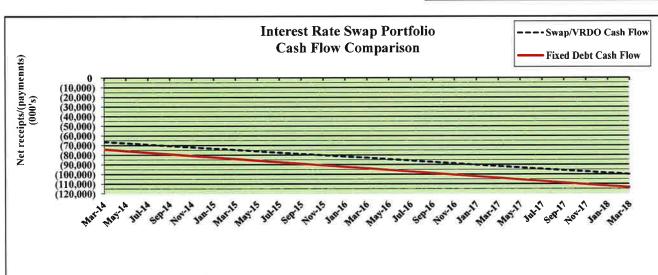
	Cash Flow									
Prior	Current		Cumulative							
Month	Month	Fiscal YTD	Cash Flow							

Mark to Market Current Mark to Notional Market Difference

Total Current Year Active & Terminated Swaps

\$ 130,000,000

<u>\$ (506,709)</u> \$ (421,066) \$ (4,442,563) \$ (71,703,419) <u>\$ 109,856,295</u> \$ (20,143,705)



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt

Cash Flow to Date

Synthetic Fixed = \$99,938,247

Fixed Rate = \$113,564,917

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 "D"

Report Date: 29-MAR-2018 14:55 IRWD Ledger Upgrade Page: To: 29-MAR-18 Void Payment Register

Period From: 01-MAR-18 Include Zero Amount Payments: Yes Date: Void Date Display Payee Address: No

Account: Checking AP and PR Branch: Los Angeles Bank: Bank of America N.A. Payment Currency: USD (US Dollar)

Bank Account Currency: USD

Report Count: 22

Include Zero Amount Payments: Yes Display Payee Address: No

IRWD Ledger Upgrade

ayment Number	Date	Payee Name	Site	Address	Payment Amount	Void Date
Payment Do	cument: IR	WD CHECK				
81586	02-NOV-17	ALMUHAITHIF, ZIYAD	PAY			13-MAR-18
81717	02-NOV-17	PRC BUILDERS, INC.	PAY			14-MAR-18
81778	02-NOV-17	YANG, STEPHANIE	PAY			13-MAR-18
81781	02-NOV-17	ZHAO, WEI	PAY			13-MAR-18
81911	09-NOV-17	SANTA ANA COUNTRY CLUB	PAY			14-MAR-18
82018	16-NOV-17	COFFELT, MARILYN	PAY			13-MAR-18
82056	16-NOV-17	HECK, MARCEA	PAY			13-MAR-18
82102	16-NOV-17	NGUYEN, MICHELLE	PAY		80.57	13-MAR-18
82124	16-NOV-17	QIAO, JINGJING	PAY			13-MAR-18
82141	16-NOV-17	SEO, JIEUN	PAY			14-MAR-18
82183	16-NOV-17	WILLIAMS, FRITZIE	PAY			13-MAR-18
82185	16-NOV-17	XIE, YI	PAY			13-MAR-18
82295	29-NOV-17	GUO, HAOXIANG	PAY			13-MAR-18
82307	29-NOV-17	HSU, KEYEE	PAY			13-MAR-18
82320	29-NOV-17	LI, RONG	NEWPORT BEACH		29.00	13-MAR-16
82321	29-NOV-17	LINNELL, HARRY T	PAY			14-MAR-16
82429	29-NOV-17	WET SEAL, LLC	IRVINE			13-MAR-16
84343	01-FEB-18	SOUTH BAY FOUNDRY, INC	SAN BERNARDINO		3,431.84	27-MAR-16
84738	15-FEB-18	FUN, BAOLONG	PAY			01-MAR-16
84769	15-FEB-18	KLEINFELDER, INC.	PAY		1,747.50	
85015	22-FEB-18	SANCHEZ, CAROLINE	PAY			19-MAR-16
85398	00 1/30 10	JIN, DAN	PAY		222.15	21-MAR-18

8,783.79 Payment Document Subtotal

8,783.79 Voids Bank Account Subtotal

8,783.79 Report Total

Report Date: 29-MAR-2018 14:55

Page: To: 29-MAR-18 Void Payment Register Period From: 01-MAR-18 Date: Void Date

*** End of Report ***

01-MAR-18 To 30-MAR-18 Report Date: 29-MAR-2018 15:17 Account: Checking AP and PR Page: 1 Payment Currency: USD (US Dollar) IRWD Ledger Upgrade Payment Register For 01-MAR-18 To 30-MAR-18 Branch : Los Angeles BANK: Bank of America N.A.

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

Cleared Supplier Name Payment Amount Date Cleared Amount Payment Number Sequence Num Date Payment Document : IRWD CHECK 90.00 Reconciled 385062 01-MAR-18 Bystrom, Brian V 90.00 12-MAR-18 (Brian) 385063 01-MAR-18 Garcia, Juan 207.17 05-MAR-18 207.17 Reconciled 06-MAR-18 145.46 Reconciled 145.46 385064 01-MAR-18 Guzman, Juan (Juan) Negotiable 385065 01-MAR-18 Lewis, Lyndy R 43.60 01-MAR-18 Moore, Rory M 90.00 19-MAR-18 90.00 385066 (Rory) 126.75 06-MAR-18 126.75 Reconciled 385067 01-MAR-18 Nash, Joel 1,200.00 05-MAR-18 1,200.00 Reconciled 385068 Norman, Tammy Ruiz, Ricky 385069 01-MAR-18 110.00 06-MAR-18 110.00 Reconciled (Ricky) 385070 01-MAR-18 Sciabica, Joseph 07-MAR-18 8:72 Reconciled Negotiable Soto, Franklin E (Frank) 119.94 385071 01-MAR-18 153.81 153.81 Reconciled Stontz, Adam J Tran, Jason M 12-MAR-18 385072 01-MAR-18 Reconciled 180,00 12-MAR-18 180.00 01-MAR-18 385073 (Jason) Trigg, Tyler Vazquez, Rafael Reconciled 385074 01-MAR-18 01-MAR-18 190,00 06-MAR-18 190,00 Reconciled Vazquez, Rafael Chaney, David 06-MAR-18 385076 01-MAR-18 HOME 520.00 520.00 Reconciled HOME 85.00 07-MAR-18 385077 01-MAR-18 (Dave) A STITCH ON TIME, COM 01-MAR-18 94.82 05-MAR-18 94.82 Reconciled 385078 20,264.80 385079 01-MAR-18 ABM INDUSTRY 20,264.80 08-MAR-18 Reconciled GROUPS, LLC 385080 7.248.01 01-MAR-18 AFLAC 7.248.01 06-MAR-18 Reconciled 08-MAR-18 203.12 Reconciled AFLAC 385081 01-MAR-18 203.12 AIR TECHNOLOGY 503.00 21-MAR-1θ 503.00 Reconciled 385082 01-MAR-18 LABORATORIES ALEXANDER'S 125.00 01-MAR-18 06-MAR-18 Reconciled 385083 CONTRACT SERVICES, INC. ALPHA TRAFFIC 620.00 05-MAR-18 620.00 Reconciled 01-MAR-18 SERVICES, INC. ALSTON & BIRD LLP 18,822.81 18,822.81 385085 01-MAR-18 08-MAR-18 AM CONSERVATION 1,028.66 06-MAR-18 1,028.66 Reconciled GROUP, INC. AMAZON CAPITAL 05-MAR-18 80.30 Reconciled 385087 SERVICES, INC. APEX LIFE 385088 01-MAR-18 06-MAR-18 1,190.00 Reconciled SCIENCES, LLC 01-MAR-18 AQUA-METRIC SALES 10,642.44 12-MAR-18 10,642.44 Reconciled 385089 COMPANY 93,617.78 01-MAR-18 ARCADIS U.S., INC. 93,617.78 Reconciled 08-MAR-18 385090 Payment Register For 01-MAR-18 To 30-MAR-18 Report Date: 29-MAR-2018 15:17

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

IRWD Ledger Upgrade

	Sequence Num Date	Supplier Name	Site	Payment Amount		Cleared Amount	Status
Payment Docum	ent : IRWD CHECK				=======================================		/,======
385091	01-MAR-18	ASHLEY, ALICIA		143.06	06-MAR-18	143,06	Reconciled
385092	01-MAR-18	AT&T		5,200.50	06-MAR-18	5,200.50	Reconciled
385093	01 - MAR-18	ATTORNEY GENERAL'S REGISTRY OF CHARITABLE TRUSTS		150.00	12-MAR-18	150.00	Reconciled
385094	01-MAR-18	AUTOZONE PARTS,		392.52	07~MAR-18	392.52	Reconciled
385095	01-MAR-18	BARQAWI, BADER		37.25			Negotiable
385096	01-MAR-18	BATTERIES PLUS AND BATTERIES PLUS BULBS		704.36	07-MAR-18	704.36	Reconciled
385097	01-MAR-18	BDC SPECIAL WASTE		372,00	07-MAR-18	372.00	Reconciled
385098	01-MAR-18	BERK, SUSAN		10,000.00	12-MAR-18	10,000.00	Reconciled
385099	01-MAR-18	BICKMORE RISK SERVICES		2,350.00	05-MAR-18	2,350.00	Reconciled
385100	01-MAR-18	BIOMAGIC INC		2,584.39	06-MAR-18	2,584.39	Reconciled
385101	01-MAR-18	BRENNTAG PACIFIC		5,196.50	05-MAR-18	5,196.50	Reconciled
385102	01-MAR-18	BRITHINEE ELECTRIC		6,862.74	05-MAR-10	6,862.74	Reconciled
385103	01-MAR-18	BRUCE NEWELL		1,250.00	06-MAR-18	1,250.00	Reconciled
385104	01-MAR-18	BUTLER BOX & STAKE INC		1,359.16	07-MAR-18	1,359.16	Reconciled
385105	01-MAR-18	C WELLS PIPELINE MATERIALS INC		3,126.92	08-MAR-18	3,126.92	Reconciled
385106	01-MAR-18	CALATLANTIC HOMES		25.74			Negotiable
385107	01-MAR-18	CALIFORNIA BARRICADE RENTAL,		11,056.63	07-MAR-18	11,056.63	Reconciled

		INC.				
385108	01-MAR-18	CANON SOLUTIONS	648.33	06-MAR-18	648.33	Reconciled
		AMERICA, INC.				
385109	01-MAR-18	CAROLLO ENGINEERS,	46,580.22	12-MAR-18	46,580.22	Reconciled
		INC				
385110	01-MAR-18	CASA	19,282.00	23-MAR-18	19,282.00	Reconciled
385111	01-MAR-18	CEDAR CREEK	77.61	09-MAR-18	77.61	Reconciled
		APARTMENTS				
385112	01-MAR-18	CERESETTI, HERVE	46.88	27-MAR-18	46.88	Reconciled
385113	01-MAR-18	CHARLES P CROWLEY	21,977.99	08-MAR-18	21,977.99	Reconciled
		COMPANY INC				
385114	01-MAR-18	CHEN, TIAM MING	1,196.84			Negotiable
385115	01-MAR-18	CITY OF IRVINE	1,191.17	05-MAR-18	1,191.17	Reconciled
385116	01-MAR-18	CITY OF NEWPORT	1,132.88	07-MAR-18	1,132.88	Reconciled
		BEACH				
385117	01-MAR-18	COLONIAL LIFE &	1,230.32	07-MAR-18	1,230.32	Reconciled
		ACCIDENT INSURANCE				
		CO.				

Payment Number Sequence Num	Date	Supplier Name	Site Payment A	mount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CH						~~~~~~~~	
385118	01-MAR-18	CONSOLIDATED CONTRACTING	1,32	5.57	23-MAR-18	1,325.57	Reconciled
385119	01-MAR-18	SERVICES INC. CORRPRO COMPANIES, INC	20	0.76	15-MAR-18	200.76	Reconciled
385120	01-MAR-18		12	0.93	05-MAR-18	120,93	Reconciled
385121	01-MAR-18	COXCO LLC	5,05	9.50	13-MAR-18	5,059.50	Reconciled
385122		CULLIGAN OF SANTA		1,40	06-MAR-18		Reconciled
385123	01-MAR-18	DATASITE INC	83	5.00	16-MAR-18	835.00	Reconciled
385124		DE VAUL PAINT COMPANY	79	5.63	16-MAR-18 06-MAR-18	835.00 795.63	Reconciled
385125	01-MAR-18	DEACON, JANET	1,60	1.34	12-MAR-18	1,601.34	Reconciled
385126		DEE JASPAR & ASSOCIATES, INC.	1,28	12.86		1,601.34 1,282.86	Reconciled
385127	01-MAR-18	DILYTICS INC	78,52	5.00	09-MAR-18	78,525.00	Reconciled
385128	01-MAR-18	DIRECTV INC	12	5.53	08-MAR-18	125.53	Reconciled
385129	01-MAR-18	DISCOUNT COURIER SERVICE	9	1.32			Reconciled
385130	01-MAR-18	DISCOVERY SCIENCE CENTER OF ORANGE COUNTY	9,14	16.10	06-MAR-18	9,146.10	Reconciled
385131	01-MAR-18	ELECTRABOND	3,51	5.00	19-MAR-18 08-MAR-18	3,515.00	Reconciled
385132	01-MAR-18	ELITE AUTOMOTIVE SERVICE, LLC			08-MAR-18	344.25	Reconciled
385133		EMERGENCY POWER CONTROLS INC	2,40				Negotiable
385134	01-MAR-18	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.				13,492.50	Reconciled
385135	01-MAR-18	EXECUTIVE LIGHTING & ELECTRIC			06-MAR-18		Reconciled
385136	01-MAR-18	FARIZAR, KATTI	4	11.78	16-MAR-18	41.78	Reconciled
385137	01-MAR-18	FEDEX		.8.75	06-MAR-18		Reconciled
385138	01-MAR-18	FIRST CHOICE SERVICES		2,29			Reconciled
385139	01-MAR-18			3.65	05-MAR-10	313.65 3,100.07	Reconciled
385140		FISHER SCIENTIFIC COMPANY LLC		00.07			Reconciled
385141		FRONTIER CALIFORNIA INC.		1.02			Reconciled
385142		GANAHL LUMBER CO.		4.35	14-MAR-18	1,494.35	keconciled
385143	01-MAR-18	GAUT, GEORGE	3	37,45	U /-MAR-18	37.45	Keconciled
IRWD Ledger Upgrade		Payment	Register For 01-MAR-1	B To	30-MAR-18	Report Date: 29	-MAK-2018 15
385143 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All	USD (US)	ch : Los Angeles Dollar)	Account: Payment Display Supplie	Checki Curre er Addi	ng AP and PR ency: USD (Teess: No	Page: US Dollar)	4
Payment Number Sequence Num					Cleared		

Payment Number Se		Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
385144	01-MAR-18	GCI CONSTRUCTION,		21,300.00	07-MAR-18	21,300.00	Reconciled
385145	01-MAR-18	INC. GENERAL MONITORS		1,321.51	07-MAR-18	1,321,51	Reconciled
303143	OI-MAN-10	INC.		1,521.51	07 1111(10	1,021,01	110001102200
385146	01-MAR-18	GRAINGER		7,754.24	06-MAR-18	7,754.24	Reconciled
385147	01-MAR-18	GUIDA SURVEYING		8,604.20	07-MAR-18	8,604.20	Reconciled
385148	01-MAR-18	GUMBAYAN, DARCIE		24.14	07-MAR-18	24.14	Reconciled
385149	01-MAR-18	HAAKER EQUIPMENT COMPANY		1,286.14	06-MAR-18	1,286.14	Reconciled

385150	01-MAR-18	HACH COMPANY	3,749.40	06-MAR-18	3,749.40	Reconciled
385151	01-MAR-18	HARBOR ALL GLASS & MIRROR INC.	1,911.79	07-MAR-18	1,911.79	Reconciled
385152	01-MAR-18	HARRINGTON INDUSTRIAL PLASTICS LLC	925,15	05-MAR-18	925.15	Reconciled
385153	01-MAR-18	HARRY H. KOBZEFF	1,390.00	06-MAR-18	1,390.00	Reconciled
385154	01-MAR-18	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY	72.30	06-MAR-18	72.30	Reconciled
385155	01-MAR-18	HARVARD COURT APARTMENTS	30,96	09-MAR-18	30,96	Reconciled
385156	01-MAR-18	HDR ENGINEERING INC	30,826.25	08-MAR-18	30,826.25	Reconciled
385157	01-MAR-18	HELPMATES STAFFING SERVICES	4,053.85	05-MAR-18	4,053.85	Reconciled
385158	01-MAR-18	HERC RENTALS INC.	1,481.58	06-MAR-18	1,481.58	Reconciled
385159	01-MAR-18	HILL BROTHERS CHEMICAL COMPANY	20,166.14	09-MAR-18	20,166.14	Reconciled
385160	01-MAR-18	HOANG, HUYANH	91.05	07-MAR-18	91.05	Reconciled
385161	01-MAR-18	HOME DEPOT USA INC	156,21	07-MAR-18	156,21	Reconciled
385162	01-MAR-18	IBM CORPORATION	3,201.00	06-MAR-18	3,201.00	Reconciled
385163	01-MAR-18	INDEPENDENT SPECIAL DISTRICT OF ORANGE COUNTY	50.00			Negotiable
385164	01-MAR-18	INORGANIC VENTURES	192.19	05-MAR-18	192.19	Reconciled
385165	01-MAR-18	IRVINE PIPE & SUPPLY INC	3,063.48	05-MAR-18	3,063.48	Reconciled
385166	01-MAR-18	IRWD EMPLOYEES ASSOCIATION	1,400.00	09-MAR-18	1,400.00	Reconciled
385167	01-MAR-18	IRWD-PETTY CASH CUSTODIAN	1,188.97	02-MAR-18	1,188.97	Reconciled
385168	01-MAR-18	JACKSON TIDUS, A LAW CORPORATION	588.00	05-MAR-18	588.00	Reconciled
		Book Book Book Book	01 MDD 10 Ma	20 MAD 10	Bonort Date: 20	-MAD-2018 15:17

ayment Number Seq	uence Num Date	Supplier Name Si	te Payment Amount	Cleared Date	Cleared Amount	Stat
Payment Document						
385169	01-MAR-18	JUST ENERGY SOLUTIONS INC.	42.57	05-MAR-18	42.57	Reconciled
385170	01-MAR-18	KEC ENGINEERING	1,513.48	08-MAR-18	1,513.48	Reconciled
385171		KENT & AMY DAHLBERG	14,333.60	07-MAR-18	14,333.60	Reconciled
385172	01-MAR-18		33.98	12-MAR-18	33.98	Reconciled
385173		KIM, YOUNG SUN	43.52			Negotiable
385174	01-MAR-18		55.57	07-MAR-18	55,57	Reconcile
385175		KOELLER NEBEKER CARLSON & HALUCK, LLP	3,156.44	05-MAR-18	3,156.44	Reconcile
205126	01 MBD 10		45.39	19-MAR-18	45.39	Reconcile
385176 385177		KUO, JENNY LANDCARE HOLDINGS, INC.	26,222.43	08-MAR-18	26,222.43	Reconcile
205170	01-MAR-18		120.12	12-MAR-18	120.12	Reconcile
305178			36.32	05-MAR-18	36,32	Reconcile
385179	01-MAR-18		4,586.73	05-MAR-18	4,586.73	Reconcile
385180	01-MAR-18	LSA ASSOCIATES INC			3,218.71	Reconcile
385181		LUBRICATION ENGINEERS, INC.	3,218.71	06-MAR-18	10000	
385182		MALLINA, SURESH	30.20	06-MAR-18	30.20	Reconcile
385183	01-MAR-18	MARK ANTHONY DERSHEM	5,000.00	07-MAR-18	5,000.00	Reconcile
385184	01-MAR-18	MASCI, DAWN	201,62	08-MAR-18	201.62	Reconcile
385185	01-MAR-18	MASHAYEKH, SOROOSH	10.73	12-MAR-19	10.73	Reconcile
385186	01-MAR-18	MBC APPLIED ENVIRONMENTAL SCIENCES	2,600.00	09-MAR-18	2,600.00	Reconcile
385187	01-MAR-18	MC FADDEN-DALE INDUSTRIAL	300.29	06-MAR-18	300.29	Reconcile
385188	01-MAR-18	MC MASTER CARR SUPPLY CO	213.09	05-MAR-18	213.09	Reconcile
385189	01-MAR-18	MEINEKE, SCOTT M	39.79	07-MAR-18	39.79	Reconcile
385190		MICHAEL BAKER INTERNATIONAL, INC.	35,266.49	08-MAR-18	35,266.49	Reconcile
385191	01-MAR-18	MINOW, ADAM	46.90	12-MAR-18	46.90	Reconcile
385192		MOBILE MODULAR MANAGEMENT	1,018.24	05-MAR-18	1,018.24	Reconcile
385193	01-MAR-18	CORPORATION MODJESKA FIREFIGHTERS ASSOCIATION	60.00	15-MAR-18	60.00	Reconcile
385194	01-MAR-18	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	1,800.00	05-MAR-18	1,800.00	Reconcile
	cica N.A. Brand Currency: USD (US	Payment Reg ch : Los Angeles	ister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add	ing AP and PF ency: USD (R Page:	-MAR-2018 1 6

ayment Number Sequence Num	Date	Supplier Name	Site Payment Amount	Date	Cleared Amount	Stati
Payment Document : IRWD CHE						
385195	01-MAR-18	NEPTUNE TECHNOLOGY	158,263.20	08-MAR-18	158,263,20	Reconciled
385196	01-MAR-18	GROUP, INC. NEWPORT BLUFFS	27.96	09-MAR-18	27.96	Reconciled
385197		APTS NEWPORT WINDOW	2,274.00	05-MAR-18	2,274.00	Reconciled
		MAINTENANCE INC		06-MAR-18	3,258.00	Reconciled
385198 385199	01-MAR-18	NINYO & MOORE NMG GEOTECHNICAL INC	3,258.00 25,021.20	08-MAR-18	25,021.20	Reconciled
385200 385201	01-MAR-18 01-MAR-18	NOSSAMAN LLP O'HAREN GOVERNMENT RELATIONS	28,100.61 6,500.00	08-MAR-18 06-MAR-18	28,100.61 6,500.00	Reconciled Reconciled
385202	01-MAR-18	OCTA	3,848.00	06-MAR-18 08-MAR-18	3,848.00 16,264.57	Reconciled Reconciled
385203 385204	01-MAR-18 01-MAR-19	OLIN CORPORATION OMAR DANDASHI	16,264.57 4,042.40	12-MAR-18	4,042.40	Reconciled
385205	01-MAR-18	ORANGE COUNTY AUTO PARTS CO		05-MAR-18	4.30	Reconciled Reconciled
385206	01-MAR-18	ORANGE COUNTY SHERIFF'S OFFICE	62.50	08-MAR-18	62.50	
385207	01-MAR-18	ORANGE COUNTY SHERIFF'S OFFICE	249.22	08-MAR-18	249.22	Reconciled
385208	01-MAR-18	PALLIVATHUCAL, BOSE	115.97	12-MAR-18	115.97	Reconciled
385209	01-MAR-18	PARKWAY LAWNMOWER SHOP	246,01	06-MAR-18	246,01	Reconciled
385210	01-MAR-18	PAULUS	5,174.28	05-MAR-18	5,174.20	Reconciled
85211		ENGINEERING, INC. PAYNE & FEARS LLP	9,523.00	06-MAR-18	9,523.00 675.35	Reconciled Reconciled
885212	01-MAR-18	PERS LONG TERM CARE	675.35	07-MAR-18		
385213 385214		PEYTON, MEL PIVOT INTERIORS	42.58 41,444.15	06-MAR-18 08-MAR-18	42.58 41,444.15	Reconciled Reconciled
885215	01-MAR-18	INC PMC ENGINEERING	1,233.38	09-MAR-18	1,233.38	Reconcile
85216	01-MAR-18		8,988.73	05-MAR-18 06-MAR-18	8,988.73 257.85	Reconcile
85217	01-MAR-18	DISTRIBUTION INC	257.85 1,284.64	06-MAR-18	1,284.64	Reconcile
85218		PRE-PAID LEGAL SERVICES INC			474.94	Reconcile
385219		PROCARE WORK INJURY CENTER	474.94	06-MAR-18		
385220	01-MAR-18	PRUDENTIAL OVERALL SUPPLY	613,43	05-MAR-18	613.43	Reconcile
205001	01 MND 10		1 090 43	06-MAR-18	1.090.43	Reconcile
BANK: Bank of America N.A. Bank Account Currency:	01-MAR-18 Branc	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles	Payment Curr	09-MAR-18 30-MAR-18 sing AP and PR mency: USD (Reconciled
385222 RWD Ledger Upgrade BANK: Bank of America N.A.	01-MAR-18 Branc	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles	8,916.25 Register For 01-MAR-18 To Account: Check	09-MAR-18 30-MAR-18 sing AP and PR sency: USD (8,916.25 Report Date: 29 Page:	Reconcile -MAR-2018 1
385222 RMD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All	01-MAR-18 Brand USD (US I	PRUFTECHNIK INC PSOMAS Payment th : Los Angeles bollar)	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add	09-MAR-18 30-MAR-18 sing AP and PR ency: USD (dress: No	8,916.25 Report Date: 29 Page:	Reconcile -MAR-2018 1 7
385222 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All Payment Number Sequence Num	01-MAR-18 Branc USD (US I	PRUFTECHNIK INC PSOMAS Payment th : Los Angeles bollar) Supplier Name	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add	09-MAR-18 30-MAR-18 sing AP and PR ency: USD (lress: No Cleared Date	8,916.25 Report Date: 29 Page: US Dollar)	Reconciled -MAR-2018 1: 7
385222 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document : IRWD CH	O1-MAR-18 Branc USD (US I	PRUFTECHNIK INC PSOMAS Payment th : Los Angeles bollar) Supplier Name	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add	09-MAR-18 30-MAR-18 sing AP and PR ency: USD (lress: No Cleared Date	8,916,25 Report Date: 29 Page: US Dollar) Cleared Amount	Reconcile -MAR-2018 1 7
385222 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document : IRWD CH	01-MAR-18 Branc USD (US I	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles collar) Supplier Name QUALITY ENVIRONMENTAL	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add	09-MAR-18 30-MAR-18 sing AP and PR ency: USD (lress: No Cleared Date	8,916.25 Report Date: 29 Page: US Dollar)	Reconcile -MAR-2018 1 7 Sta
385222 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document : IRWD CH 385223	O1-MAR-18 Branc USD (US I	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles bollar) Supplier Name QUALITY ENVIRONMENTAL CONTAINERS RAM AIR	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add	09-MAR-18 30-MAR-18 sing AP and PR ency: USD (lress: No Cleared Date	8,916,25 Report Date: 29 Page: US Dollar) Cleared Amount	Reconcile -MAR-2018 1 7 Sta
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385222 AWD Ledger Upgrade 3ANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CH 385223 385224 385225 385227 385226 385227	01-MAR-18 Date Date 1 Date	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles bollar) Supplier Name QUALITY ENVIRONMENTAL CONTAINERS RAM AIR ENGINEERING INC RAN, GUO RANCHO MADERAS APTS RELIANCE STANDARD LIFE INSURANCE COMPANY RESPONSE ENVELOPE, INC ROKNI ELECTRIC COMPANY INC. ROYAL WHOLESALE ELECTRIC	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00	09-MAR-18 30-MAR-18 sing AP and PR ency: USD (less: No Cleared: Date 07-MAR-18 27-MAR-18 09-MAR-18 13-MAR-18 07-MAR-18	8,916.25 Report Date: 29 Page: US Dollar) Cleared Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00	Reconcile -MAR-2018 1 7 Sta Reconcile Reconcile Reconcile Reconcile Reconcile Reconcile
WD Ledger Upgrade SANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CH 385223 385224 385225 385226 385227 385228 385229 385230	01-MAR-18 Date Date 01-MAR-18 01-MAR-18 01-MAR-18 01-MAR-18 01-MAR-18 01-MAR-18 01-MAR-18	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles collar) Supplier Name QUALITY ENVIRONMENTAL CONTAINERS RAM AIR ENGINEERING INC RAM, GUO RANCHO MADERAS APTS RELIANCE STANDARD LIFE INSURANCE COMPANY RESPONSE ENVELOPE, INC ROKNI ELECTRIC COMPANY INC. ROYAL WHOLESALE ELECTRIC S & J SUPPLY CO INC	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60	09-MAR-18 30-MAR-18 30-MAR-18 sing AP and PR sency: USD (lress: No Cleared Date 07-MAR-18 06-MAR-18 27-MAR-18 09-MAR-18 13-MAR-18 07-MAR-18	8,916.25 Report Date: 29 Page: US Dollar) Cleared Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60	Reconcile -MAR-2018 1 7 Sta
385222 RMD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CH 385223 385224 385225 385226 385227 385228 385229 385230 385231	01-MAR-18	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles collar) Supplier Name QUALITY ENVIRONMENTAL CONTAINERS RAM AIR ENGINEERING INC RAM, GUO RANCHO MADERAS APTS RELIANCE STANDARD LIFE INSURANCE COMPANY RESPONSE ENVELOPE, INC ROKNI ELECTRIC COMPANY INC. ROYAL WHOLESALE ELECTRIC S & J SUPPLY CO INC	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82	09-MAR-18 30-MAR-18 sing AP and PR ency: USD (lress: No Cleared: Date 07-MAR-18 06-MAR-18 27-MAR-18 09-MAR-18 13-MAR-18 07-MAR-18 07-MAR-18	8,916.25 Report Date: 29 Page: US Dollar) Cleared Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82	Reconcile -MAR-2018 1 7 Sta Reconcile Reconcile Reconcile Reconcile Reconcile Reconcile Reconcile
385222 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document : IRWD CH 385223 385224 385225 385227 385228 385229 385229 385230 385231 385232 385232	01-MAR-18	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles bollar) Supplier Name QUALITY ENVIRONMENTAL CONTAINERS RAM AIR ENGINEERING INC RAN, GUO RANCHO MADERAS APTS RELIANCE STANDARD LIFE INSURANCE COMPANY RESPONSE ENVELOPE, INC ROKNI ELECTRIC COMPANY INC. ROYAL WHOLESALE ELECTRIC S & J SUPPLY CO INC SAFETY-KLEEN SYSTEMS, INC SAN CRALO APARTMENTS	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82 310.75 42.17	09-MAR-18 30-MAR-18 30-MAR-18 sing AP and PR ency: USD (lress: No Cleared: Date 07-MAR-18 06-MAR-18 27-MAR-18 09-MAR-18 13-MAR-18 07-MAR-18 07-MAR-18 07-MAR-18 07-MAR-18	8,916.25 Report Date: 29 Page: US Dollar) Cleared Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82 310.75	Reconcile -MAR-2018 1 7 Sta
385222 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CH 385223 385224 385225 385226 385227 385228 385229 385230 385231	01-MAR-18	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles collar) Supplier Name QUALITY ENVIRONMENTAL CONTAINERS RAM AIR ENGINEERING INC RAN, GUO RANCHO MADERAS APTS RELIANCE STANDARD LIFE INSURANCE COMPANY RESPONSE ENVELOPE, INC ROKNI ELECTRIC COMPANY INC. ROYAL WHOLESALE ELECTRIC S 6 J SUPPLY CO INC SAFETY-KLEEN SYSTEMS, INC SAN CARLO APARTMENTS SAN LECON APTS SAN MARCO	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82 310.75	09-MAR-18 30-MAR-18 sing AP and PR ency: USD (less: No Cleared: Date 07-MAR-18 06-MAR-18 27-MAR-18 09-MAR-18 13-MAR-18 07-MAR-18 05-MAR-18 07-MAR-18	8,916.25 Report Date: 29 Page: US Dollar) Cleared Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82 310.75 42.17	Reconciled Are and a seconciled Reconciled R
385222 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CH 385223 385224 385225 385226 385227 385228 385229 385230 395231 385232 385233 385233 385234 385235 385235	01-MAR-18	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles collar) Supplier Name QUALITY ENVIRONMENTAL CONTAINERS RAM AIR ENGINEERING INC RAN, GUO RANCHO MADERAS APTS RELIANCE STANDARD LIFE INSURANCE COMPANY RESPONSE ENVELOPE, INC ROKNI ELECTRIC COMPANY INC. ROYAL WHOLESALE ELECTRIC S 6 J SUPPLY CO INC SAFETY-KLEEN SYSTEMS, INC SAN CARLO APARTMENTS SAN MARCO APARTMENTS SAN MARKO APARTMENTS	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82 310.75 42.17 38.77 163.33 40.97	09-MAR-18 30-MAR-18 30-MAR-18 sing AP and PR ency: USD (lress: No Cleared Date 07-MAR-18 06-MAR-18 09-MAR-18 09-MAR-18 07-MAR-18	8,916.25 Report Date: 29 Page: US Dollar) Cleared Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82 310.75 42.17 38.77 163.33 40.97	Reconcile -MAR-2018 1 7 Sta Reconcile
385222 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All Payment Number Sequence Num Payment Document: IRWD CH 385223 385224 385225 385226 385227 385228 385229 385230 385231 385232 385233 385234 385235 385234 385235 385236 385237	01-MAR-18	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles bollar) Supplier Name QUALITY ENVIRONMENTAL CONTAINERS RAM AIR ENGINEERING INC RAN, GUO RANCHO MADERAS APTS RELIANCE STANDARD LIFE INSURANCE COMPANY RESPONSE ENVELOPE, INC ROKNI ELECTRIC COMPANY INC. ROYAL WHOLESALE ELECTRIC S & J SUPPLY CO INC SAFETY-KLEEN SYSTEMS, INC SAN CARLO APARTMENTS SAN LEON APTS SAN MARCO APARTMENTS SAN MARINO APTS SAN MARINO APTS SAN REMO APTS SAN REMO APTS	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82 310.75 42.17 38.77 163.33 40.97 398.57	09-MAR-18 30-MAR-18 30-MAR-18 sing AP and PR ency: USD (lress: No Cleared Date 07-MAR-18 06-MAR-18 27-MAR-18 09-MAR-18 07-MAR-18 07-MAR-18 07-MAR-18 07-MAR-18 07-MAR-18 09-MAR-18 09-MAR-18 09-MAR-18	8,916.25 Report Date: 29 Page: US Dollar) Cleared Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82 310.75 42.17 38.77 163.33 40.97 398.57	Reconciled Processing Reconciled
385222 (RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All Payment Number Sequence Num Payment Document: IRWD CH 385223 385224 385225 385226 385227 385228 385229 385230 385231 385232 385233 385234 385235 385234	01-MAR-18	PRUFTECHNIK INC PSOMAS Payment th: Los Angeles collar) Supplier Name QUALITY ENVIRONMENTAL CONTAINERS RAM AIR ENGINEERING INC RAN, GUO RANCHO MADERAS APTS RELIANCE STANDARD LIFE INSURANCE COMPANY RESPONSE ENVELOPE, INC ROKNI ELECTRIC COMPANY INC. ROYAL WHOLESALE ELECTRIC S 6 J SUPPLY CO INC SAFETY-KLEEN SYSTEMS, INC SAN CARLO APARTMENTS SAN MARCO APARTMENTS SAN MARCO APARTMENTS SAN MARINO APTS SAN REMO APTS SAN REMO APTS	8,916.25 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82 310.75 42.17 38.77 163.33 40.97	09-MAR-18 30-MAR-18 30-MAR-18 sing AP and PR ency: USD (lress: No Cleared Date 07-MAR-18 06-MAR-18 09-MAR-18 09-MAR-18 07-MAR-18	8,916.25 Report Date: 29 Page: US Dollar) Cleared Amount 423.28 17,948.88 63.46 34.85 29,484.06 2,618.33 10,485.00 7,154.60 40,466.82 310.75 42.17 38.77 163.33 40.97	-MAR-2018 15

		CORPORATION				
385240	01-MAR-18	CORPORATION SECURITAS SECURITY	49,556.40	08-MAR-18	49,556.40	Reconciled
385241	01-MAR-18	SERVICES USA, INC. SHAMROCK SUPPLY CO	1,078.94	06-MAR-18	1,078.94	Reconciled
385242	01-MAR-18	INC SHEA HOMES,	15.44	28-MAR-18	15.44	Reconciled
		LIMITED PARTNERSHIP				
385243	01-MAR-18	SHERWIN WILLIAMS	1,464.58	07-MAR-18	1,464.58	Reconciled
385244	01-MAR-18	COMPANY SIGNATURE	4,811.55	05-MAR-18	4,811.55	Reconciled
385245	01-MAR-18	FLOORING, INC SOUTHERN	139,754.59	05-MAR-18	139,754.59	Reconciled
		CALIFORNIA EDISON COMPANY				
IDMD Lodger Hograde			For 01-MAR-18 To	30-MAR-18	Report Date: 29-	-MAR-2018 15:17

IRWD Ledger Upgrade Payment Register For 01-MAR-18 To 30-MAR-18 Report Date; 29-MAR-2018 15:17
BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page; 8

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

Status Cleared Amount Payment Number Sequence Num Date Supplier Name Site Payment Amount Date Payment Document : IRWD CHECK 16.83 06-MAR-18 16.83 Reconciled 01-MAR-18 CALIFORNIA EDISON COMPANY 385247 01-MAR-18 SOUTHERN 140,39 08-MAR-18 140.39 Reconciled CALIFORNIA SECURITY CENTERS, INC. 01-MAR-18 SS MECHANICAL 1,478.19 06-MAR-18 1,478.19 Reconciled 385248 CONSTRUCTION CORP STANFORD COURT 78,22 78.22 Reconciled 09-MAR-18 01-MAR-18 385249 APARTMENTS 40.85 Reconciled 385250 01-MAR-18 STARK, ELAINE STEPHEN O'ROURKE 40.85 16-MAR-18 01-MAR-18 45.78 27-MAR-18 Reconciled 385251 AND GIEDRE MILINKEVICIUTE 01-MAR-18 SUSAN A. SIROTA 8,590.00 05-MAR-18 8,590.00 Reconciled 385252 385253 01-MAR-18 TEKDRAULICS 588.35 09-MAR-18 588.35 Reconciled 08-MAR-18 358.05 Reconciled 385254 01-MAR-18 TESTAMERICA 358.05 LABORATORIES, INC 954.89 05-MAR-18 954.89 Reconciled 385255 01-MAR-18 THOMPSON INDUSTRIAL SUPPLY 71,620,00 Reconciled 71,620.00 12-MAR-18 385256 01-MAR-18 TOTAL RESOURCE MANAGEMENT, INC. 385257 01-MAR-18 TREE OF LIFE 5,330,93 09-MAR-18 5,330.93 Reconciled NURSERY TRI POINTE HOMES, 422.19 09-MAR-18 422.19 Reconciled 385258 01-MAR-18 INC. 385259 01-MAR-18 TRUCPARCO 547.74 09-MAR-18 547.74 Reconciled 385260 01-MAR-18 TSAI, ELEANOR TURTLE RIDGE Negotiable 09-MAR-18 1.01 1.01 Reconciled 385261 01-MAR-18 TURTLE ROCK CANYON 47.66 09-MAR-18 47,66 Reconciled 385262 01-MAR-18 APTS 385263 01-MAR-18 UNITED PARCEL 97.93 05-MAR-18 97.93 Reconciled SERVICE INC UNITED PARTITION 6,603.33 Negotiable 01-MAR-18 SYSTEMS INC UNITED SITE 630.35 Reconciled 01-MAR-18 630.35 05-MAR-18 385265 SERVICES OF CALIFORNIA INC 01-MAR-18 6,383.22 06-MAR-18 6,383.22 Reconciled INDUSTRIAL REPAIR CO INC 01-MAR-18 VERIZON WIRELESS 385267 8,976.80 06-MAR-18 8,976.80 Reconciled SERVICES LLC

IRWD Ledger Upgrade Payment Register For 01-MAR-18 To 30-MAR-18 Report Date: 29-MAR-2018 15:17
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

	*******	Supplier Name	Site	Payment Amount		Cleared Amount	Status
Payment Docum	ent : IRWD CHECK					84	
385268	01-MAR-18	WALTERS WHOLESALE ELECTRIC		2,085.50	05-MAR-18	2,085.50	Reconciled
385269	01-MAR-18	WAX DEPOT		348.56	09-MAR-18	348,56	Reconciled
385270	01-MAR-18	WECK LABORATORIES		390.00	08-MAR-18	390.00	Reconciled
385271	01-MAR-18	WESTAMERICA COMMUNICATIONS, INC.		2,889.50	05-MAR-18	2,889.50	Reconciled
385272	01-MAR-18	WESTERN EXTERMINATOR COMPANY		7,338.00	08-MAR-18	7,338.00	Reconciled
385273	01-MAR-18	WOODBRIDGE WILLOWS APARTMENTS		65.47	09-MAR-18	65.47	Reconciled

385274	01-MAR-18	YUAN, MING		73.98	05-MAR-18	73.98	Reconciled
385275		YUN, KYUNGMI		43.54	14-MAR-18	43.54	Reconciled
385276	01-MAR-18	ZEBRON CONTRACTING		6,750.00	12-MAR-18	6,750.00	Reconciled
385277	01-MAR-18	ZHANG, JIE		194.10	26-MAR-18	194.10	Reconciled
385278		ZHANG, ZHIPENG		26.32	06-MAR-18	26.32	Reconciled
385279	06-MAR-18	ORANGE COUNTY WATER DISTRICT	F.V.	722,635.50	08-MAR-18	722,635.50	Reconciled
385280	08-MAR-18	Amezcua, Joshua E		110.00	13-MAR-18	110,00	Reconciled
385281		Chaney, David		322.00	14-MAR-18	322.00	Reconciled
		(Dave)					
385282	08-MAR-18	Corral, Edward Jr (Ed)		125.00	13-MAR-18	125.00	Reconciled
385283	08-MAR-18	LaMar, Steven E		291.95	12-MAR-18	291.95	Reconciled
385284	08-MAR-18	Matheis, Mary Aileen		435.02	09-MAR-18	435.02	Reconciled
385285	08-MAR-18	Moore, Jonathon C (Jon)		105.00	13-MAR-18	105.00	Reconciled
385286	08-MAR-18	Morabito, Chadd		74.79	08-MAR-18	74.79	Reconciled
385287	08-MAR-18	Reinhart, Douglas		196.34	13-MAR-18	196.34	Reconciled
385288	08-MAR-18	Saldana Rodriguez, Cristina	,	113,09	09-MAR-18	113,09	Reconciled
385289	08-MAR-18	Srader, Lisa		256,11	08-MAR-18	256.11	Reconciled
385290	08-MAR-18	Swan, Peer		1,167.24	13-MAR-18	1,167.24	Reconciled
385291	08-MAR-18	Arce, Jesus (Jesse)	HOME	05.51	12-MAR-18	85,51	Reconciled
385292	08-MAR-18	Carlos, Alex	HOME	100.00	16-MAR-18	100.00	Reconciled
385293		ABM INDUSTRY		17,565.22	15-MAR~18	17,565.22	Reconciled
385294	00-MAD-10	GROUPS, LLC ACCUSOURCE, INC.		487 55	16-MAR-18	487.55	Reconciled
385295	08-MAR-18				12-MAR-18	450,00	Reconciled
385296		ADAMS, KEITH		1,952.04		1,952.04	Reconciled
IRWD Ledger Upgrade	00 HMR 10		Register For	01-MAR-18 To		Report Date: 29-	
BANK: Bank of America N.A.	Branc	h : Los Angeles	Megrocor ror	Account: Checki	ng AP and PR		10
Bank Account Currency:				Payment Curre	ncy: USD (US	5 Dollar)	
Payment Type: All		,	Displa	y Supplier Addr	ess: No		
					Cleared		
Payment Number Sequence Num	n Date	Supplier Name	Site	Payment Amount		Cleared Amount	Status

Payment Document : IRWD Ch	IECK						
385297	08-MAR-18	ADS LLC		2,160.00	12-MAR-18	2,160.00	Reconciled
385298	08-MAR-18			1,102.00	16-MAR-18	1,102.00	Reconciled
303230	VO 1411. 10	CALIBRATION		-,53			
385299	08-MAR-18	DESIGNS INC ALEXANDER BOWIE A		225,00	21-MAR-18	225.00	Reconciled
		LAW CORP					
385300	08-MAR-18	ALEXANDER'S CONTRACT SERVICES INC.	,	116,279.43	14-MAR-18	116,279.43	Reconciled
385301	08-MAR-18	AM CONSERVATION		2,905.11	12-MAR-10	2,905.11	Reconciled
385302	08-MAR-18	GROUP, INC. AMAZON CAPITAL		89.34	12-MAR-18	89.34	Reconciled
385303	08-MAR-18	SERVICES, INC. AMIRHOUSHMAND,		54.96			Negotiable
385304	08-MAR-19	MORTEZA APEX LIFE		2,768.94	15-MAR-18	2,768.94	Reconciled
		SCIENCES, LLC		,		,	Reconciled
385305	U8-MAR-18	AQUA-METRIC SALES		31,238.17	19-MAR-18	31,238.17	Vecoucited

3,825.12 10.22 Reconciled 385310 08-MAR-18 AT&T 10.22 13-MAR-18 08-MAR-18 AUTOZONE PARTS, 173.51 12-MAR-18 Reconciled 385311 AVELINO, CHARLIE 720.99 13-MAR-18 720,99 Reconciled 08-MAR-18 385312 BAI, YU BANK OF NEW YORK MELLON TRUST 385313 08-MAR-18 Negotiable 1,435.00 1,435,00 12-MAR-18 385314 08-MAR-18 Reconciled COMPANY NA 08-MAR-18 BATTERIES PLUS AND BATTERIES PLUS 796.79 13-MAR-18 796.79 Reconciled 385315 BULBS BELL TOWER FLORIST 501.07 26-MAR-1θ 501.07 Reconciled 385316 08-MAR-18 & GIFTS BHAN, RAJESH BILL'S SWEEPING 5.42 Negotiable 385317 08-MAR-18 385318 08-MAR-18 900.00 13-MAR-18 900.00 Reconciled SERVICE INC BIOMAGIC INC 11,844.05 11,844.05 Reconciled 385319 08-MAR-18 08-MAR-18 BLOOMBERG FINANCE 12,735.00 19-MAR-18 12,735.00 Reconciled LP Payme

Payment Type: All

Payment Type: All Payment Register For 01-MAR-18 To 30-MAR-18 Report Date: 29-MAR-2018 15:17 IRWD Ledger Upgrade BANK: Bank of America N.A. Account: Checking AP and PR Pa Payment Currency: USD (US Dollar) Page: Display Supplier Address: No

Cleared

1,407.13

53.74

35,120.77

3,825.12

13-MAR-18

19-MAR-18

13-MAR-18

13-MAR-18

1,407.13

53.74

35,120.77

Reconciled

Reconciled

Reconciled

Reconciled

COMPANY ASKRI, EMMA

AT&T

AT&T

ASSOCIATION OF CALIFORNIA WATER

AGENCIES/JPIA

08-MAR-18

08-MAR-18

08-MAR-18

08-MAR-18

385306

385308

385309

	Sequence Num ent : IRWD CHE		Supplier Name	Site Payment Amount	Date	Cleared Amount	Status
385321			BRIGHTVIEW LANDSCAPE	1,595.74			Negotiable
385322		08-MAR-18	DEVELOPMENT BROWN AND CALDWELL	1,004.52	12-MAR-18	1,004.52	Reconciled
385323		08-MAR-18	BRUCE CLARK	10,500.00	14-MAR-18	10,500.00	Reconciled
385324		08-MAR-18	BUCKNALL POWER TOOL SERVICE, INC.	275.65	12-MAR-18	275.65	Reconciled
385325		08-MAR-18	BURKE, WILLIAMS &	1,885.00	12-MAR-18	1,885.00	Reconciled
385326		08-MAR-18	SORENSEN, LLP BURLINGTON SAFETY LABORATORY OF CALIFORNIA INC	187.00	09-MAR-18	187.00	Reconciled
385327		08-MAR-18	C WELLS PIPELINE	0,697.61	14-MAR-18	8,697.61	Reconciled
385328		08-MAR-18	MATERIALS INC CALIFORNIA BARRICADE RENTAL, INC.	6,646.25	13-MAR-18	6,646.25	Reconciled
385329		08-MAR-18	CANON FINANCIAL	1,312.40	12-MAR-18	1,312.40	Reconciled
385330		08-MAR-18	SERVICES, INC CAROLLO ENGINEERS,	16,623,23	19-MAR-18	16,623.23	Reconciled
385331		08-MAR-18	INC CEDAR CREEK	154.10	19-MAR-18	154.10	Reconciled
385332		08-MAR-18	APARTMENTS CHAIREL CUSTOM	1,294.21	13-MAR-18	1,294.21	Reconciled
385333		08-MAR-18	HAY, INC. CHARLES P CROWLEY	6,249.75	15-MAR-18	6,249.75	Reconciled
			COMPANY INC				
385334		08-MAR-18	CHEM TECH INTERNATIONAL INC	12,135.20	19-MAR-18	12,135.20	Reconciled
385335			CHEN, SU M	52.70 46.80	13-MAR-18 15-MAR-18	52.70 46.80	Reconciled Reconciled
385336 385337			CHOW, DAVID CITY OF ORANGE	181.25			
385338			CIVIL SOURCE, INC.		15-MAR-18	10,802.71	Reconciled
385339		08-MAR-18	COMMERCIAL DOOR OF ORANGE COUNTY, INC.	298,71	12-MAR-18	298.71	Reconciled
385340		08-MAR-18	CONTROLLED KEY SYSTEMS INC	155.63	20-MAR-18	155.63	Reconciled
385341		08-MAR-18		255.43	12-MAR-18	255,43	Reconciled
385342			COXCO LLC	27,206.05	16-MAR-18	27,206.05	Reconciled
385343			CPC SYSTEMS, INC.	916.25			
					19-MAR-18	202.24	Negotiable Reconciled
385344 385345		08-MAR-18	CROSS CREEK APTS CULLIGAN OF SANTA ANA	202.24 9,000.00	19-MAR-18 13-MAR-18	202.24 9,000.00	Reconciled Reconciled
385344 385345 IRWD Ledger Upo BANK: Bank of Bank Acco	grade	08-MAR-18 08-MAR-18	CROSS CREEK APTS CULLIGAN OF SANTA ANA	202.24 9,000.00 Register For 01-MAR-18 To	13-MAR-18 30-MAR-18 ing AP and P ency: USD (9,000.00	Reconciled Reconciled -MAR-2018 15:17
385344 385345 IRWD Ledger Upg BANK: Bank of Bank Acco Payment	grade America N.A. punt Currency: : Type: All	08-MAR-18 08-MAR-18 Brand USD (US I	CROSS CREEK APTS CULLICAN OF SANTA ANA Payment th: Los Angeles Collar)	202.24 9,000.00 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add	13-MAR-18 30-MAR-18 ing AP and Pency: USD (ress: No	9,000.00 Report Date: 29 R Page: US Dollar)	Reconciled Reconciled -MAR-2018 15:17
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385344 385345 IRWD Ledger Upg BANK: Bank of Bank Acc Payment Payment Number Payment Docum 385346	grade America N.A. unt Currency: Type: All	08-MAR-18 08-MAR-18 Branc USD (US I Date ECK 08-MAR-18	CROSS CREEK APTS CULLIGAN OF SANTA ANA Payment th: Los Angeles collar) Supplier Name D & H WATER SYSTEMS INC.	202.24 9,000.00 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount	13-MAR-18 30-MAR-18 ing AP and Pency: USD (ress: No	9,000.00 Report Date: 29 R Page: US Dollar) Cleared Amount	Reconciled Reconciled -MAR-2018 15:17 12 Status
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385344 385345 IRWD Ledger Upg BANK: Bank of Bank Acco Payment Payment Number Payment Docur 385346 385347	grade America N.A. unt Currency: Type: All	08-MAR-18 Branc USD (US I Date 3CK 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	CROSS CREEK APTS CULLIGAN OF SANTA ANA Payment th: Los Angeles collar) Supplier Name D & H WATER SYSTEMS INC. DANIELS, KRISTI DDB ENGINEERING, INC. DEACON, JANET DEE JASPAR &	202.24 9,000.00 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 596.46 41.99	13-MAR-18 30-MAR-18 ing AP and Pency: USD (ress: No Cleared Date 12-MAR-18	9,000.00 Report Date: 29 R Page: US Dollar) Cleared Amount	Reconciled Reconciled -MAR-2018 15:17 12 Status Reconciled Negotiable
385344 385345 IRWD Ledger Upg BANK: Bank of Bank Acco Payment Payment Number Payment Docur 385346 385347 385348 385349	grade America N.A. unt Currency: Type: All	08-MAR-18 Branc USD (US I Date ECK 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	CROSS CREEK APTS CULLIGAN OF SANTA ANA Payment th: Los Angeles collar) Supplier Name D & H WATER SYSTEMS INC. DANIELS, KRISTI DDB ENGINEERING, INC. DEACON, JANET DEE JASPAR & ASSOCIATES, INC. DELL MARKETING LP DENALI WATER	202.24 9,000.00 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 596.46 41.99 1,147.63 2,398.92	13-MAR-18 30-MAR-18 ing AP and Pency: USD (ress: No Cleared Date 12-MAR-18 12-MAR-18	9,000.00 Report Date: 29 R Page: US Dollar) Cleared Amount 596.46 1,147.63 2,398.92	Reconciled Reconciled -MAR-2018 15:17 12 Status Reconciled Negotiable Reconciled Reconciled Reconciled
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385344 385345 IRWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docur 385346 385347 385348 385349 385350 385351 385352 385353	grade America N.A. unt Currency: Type: All	08-MAR-18 08-MAR-18 USD (US I Date CCK 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	CROSS CREEK APTS CULLIGAN OF SANTA ANA Payment th: Los Angeles collar) Supplier Name D & H WATER SYSTEMS INC. DANIELS, KRISTI DDB ENGINEERING, INC. DEACON, JANET DEE JASPAR & ASSOCIATES, INC. DELL MARKETING LP DENALI WATER SOLUTIONS LLC DISCOUNT COURIER SERVICE DOUG MARTIN CONTRACTING CO., INC. DUKE'S ROOT	202.24 9,000.00 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 596.46 41.99 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47	13-MAR-18 30-MAR-18 ing AP and Pency: USD (ress: No Cleared Date 12-MAR-18 12-MAR-18 15-MAR-18 15-MAR-18 15-MAR-18 12-MAR-18	9,000.00 Report Date: 29 R Page: US Dollar) Cleared Amount 596.46 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47	Reconciled Reconciled -MAR-2018 15:17 12 Status Reconciled Negotiable Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
385344 385345 IRWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docur 385346 385347 385348 385349 385350 385351 385352 385353 385353	grade America N.A. unt Currency: Type: All	08-MAR-18 08-MAR-18 Branc USD (US I Date ECK 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	CROSS CREEK APTS CULLIGAN OF SANTA ANA Payment th: Los Angeles collar) Supplier Name D & H WATER SYSTEMS INC. DANIELS, KRISTI DDB ENGINEERING, INC. DEACON, JANET DEE JASPAR & ASSOCIATES, INC. DELL MARKETING LP DENALI WATER SCLUTIONS LLC DISCOUNT COURIER SERVICE DOUG MARTIN CONTRACTING CO., INC. DUKE'S ROOT CONTROL INC	202.24 9,000.00 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 596.46 41.99 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47 2,843.34 9,776.87 213.01	13-MAR-18 30-MAR-18 ing AP and Pency: USD (ress: No Cleared Date 12-MAR-18 12-MAR-18 15-MAR-18 15-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18	9,000.00 Report Date: 29 R Page: US Dollar) Cleared Amount 596.46 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47 2,843.34	Reconciled Reconciled Reconciled -MAR-2018 15:17 12 Status Reconciled Negotiable Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
385344 385345 IRWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docur 385346 385347 385348 385359 385350 385351 385352 385353 385355 385355	grade America N.A. unt Currency: Type: All	08-MAR-18 08-MAR-18 Branc USD (US I Date 3CK 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	CROSS CREEK APTS CULLIGAN OF SANTA ANA Payment th: Los Angeles collar) Supplier Name D & H WATER SYSTEMS INC. DANIELS, KRISTI DDB ENGINEERING, INC. DEACON, JANET DEE JASPAR & ASSOCIATES, INC. DELL MARKETING LP DENALI WATER SOLUTIONS LLC DISCOUNT COURIER SERVICE DOUG MARTIN CONTRACTING CO., INC. DUKE'S ROOT CONTROL INC DURSO, JOHN	202.24 9,000.00 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 596.46 41.99 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47 2,843.34 9,776.87 213.01	13-MAR-18 30-MAR-18 ing AP and Pency: USD (ress: No Cleared Date 12-MAR-18 12-MAR-18 15-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 11-MAR-18 11-MAR-18 11-MAR-18 11-MAR-18 11-MAR-18	9,000.00 Report Date: 29 R Page: US Dollar) Cleared Amount 596.46 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47 2,843.34 9,776.87 213.01	Reconciled Reconciled Reconciled -MAR-2018 15:17 12 Status Reconciled Negotiable Reconciled
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385344 385345 IRWD Ledger Upg BANK: Bank of Bank Acc Payment Payment Number Payment Docur 385346 385347 385348 385359 385351 385352 385353 385354 385355 385356 385357 385358 385359	grade America N.A. unt Currency: Type: All	08-MAR-18 08-MAR-18 Branc USD (US I Date ECK 08-MAR-18	CROSS CREEK APTS CULLIGAN OF SANTA ANA Payment th: Los Angeles collar) Supplier Name D & H WATER SYSTEMS INC. DANIELS, KRISTI DDB ENGINEERING, INC. DEACON, JANET DEE JASPAR & ASSOCIATES, INC. DELL MARKETING LP DENALI WATER SOLUTIONS LLC DISCOUNT COURIER SERVICE DOUG MARTIN CONTRACTING CO., INC. DUKE'S ROOT CONTROL INC DURSO, JOHN EAST ORANGE COUNTY WATER DISTRICT EIGC ENGINEERING INC ENVIRONMENTAL EXPRESS INC	202.24 9,000.00 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 596.46 41.99 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47 2,843.34 9,776.87 213.01 69,125.23 67,331.00 2,026.00	13-MAR-18 30-MAR-18 ing AP and Pency: USD (ress: No Cleared Date 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 15-MAR-18 14-MAR-18 15-MAR-18 15-MAR-18 15-MAR-18	9,000.00 Report Date: 29 R Page: US Dollar) Cleared Amount 596.46 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47 2,843.34 9,776.87 213.01 69,125.23 67,331.00 2,026.00	Reconciled Reconciled Reconciled -MAR-2018 15:17 12 Status Reconciled Negotiable Reconciled
385344 385345 IRWD Ledger Upg BANK: Bank Acc Payment Payment Number Payment Docur 385346 385347 385348 385349 385350 385351 385352 385353 385354 385355 385356 385357 385358 385359 385360	grade America N.A. unt Currency: Type: All	08-MAR-18 08-MAR-18 Date ECK 08-MAR-18	CROSS CREEK APTS CULLIGAN OF SANTA ANA Payment th: Los Angeles collar) Supplier Name D & H WATER SYSTEMS INC. DANIELS, KRISTI DDB ENGINEERING, INC. DEACON, JANET DEE JASPAR & ASSOCIATES, INC. DELL MARKETING LP DENALI WATER SOLUTIONS LIC DISCOUNT COURIER SERVICE DOUG MARTIN CONTRACTING CO., INC. DUKE'S ROOT CONTROL INC DUKE'S ROOT CONTROL INC DUKESO, JOHN EAST ORANGE COUNTY WATER DISTRICT EIGC ENGINEERING INC ENVIRONMENTAL EXPRESS INC ENVIRONMENTAL EXPRESS INC ENVIRONMENTAL SCIENCE ASSOCIATES	202.24 9,000.00 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 596.46 41.99 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47 2,843.34 9,776.87 213.01 69,125.23 67,331.00 2,026.00 18,312.75	13-MAR-18 30-MAR-18 ing AP and Pency: USD (ress: No Cleared Date 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 14-MAR-18 15-MAR-18 15-MAR-18 15-MAR-18 15-MAR-18	9,000.00 Report Date: 29 Page: US Dollar) Cleared Amount 596.46 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47 2,843.34 9,776.87 213.01 69,125.23 67,331.00 2,026.00 18,312.75	Reconciled
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385344 385345 IRWD Ledger Upg BANK: Bank Acc Payment Payment Number Payment Docur 385346 385347 385348 385350 385351 385352 385353 385354 385355 385356 385357 385358 385359 385360 385361 385362	grade America N.A. unt Currency: Type: All	08-MAR-18 08-MAR-18 Date ECK 08-MAR-18	CROSS CREEK APTS CULLIGAN OF SANTA ANA Payment th: Los Angeles collar) Supplier Name D & H WATER SYSTEMS INC. DANIELS, KRISTI DDB ENGINEERING, INC. DEACON, JANET DEE JASPAR & ASSOCIATES, INC. DELL MARKETING LP DEMALI WATER SOLUTIONS LLC DISCOUNT COURIER SERVICE DOUG MARTIN CONTRACTING CO., INC. DUKE'S ROOT CONTROL INC CONTROL INC CONTROL INC CONTROL INC ENVIRONMENTAL EXPRESS INC ENVIRONMENTAL SCIENCE ASSOCIATES EVANS-HYDRO INC EVANTEC CORPORATION EXECUTIVE LIGHTING & ELECTRIC	202.24 9,000.00 Register For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 596.46 41.99 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47 2,843.34 9,776.87 213.01 69,125.23 67,331.00 2,026.00 18,312.75 30,720.60 7,378.49	13-MAR-18 30-MAR-18 ing AP and Pency: USD (ress: No Cleared Date 12-MAR-18 12-MAR-18 15-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 14-MAR-18 15-MAR-18 15-MAR-18 20-MAR-18 12-MAR-18	9,000.00 Report Date: 29 Page: US Dollar) Cleared Amount 596.46 1,147.63 2,398.92 2,931.02 6,156.46 6,425.76 67.47 2,843.34 9,776.87 213.01 69,125.23 67,331.00 2,026.00 18,312.75 30,720.60 7,378.49	Reconciled Reconciled Reconciled -MAR-2018 15:17 12 Status Reconciled Negotiable Reconciled

385366	08-MAR-18	ENTERPRISES, INC. FIDELITY SECURITY LIFE INSURANCE		6,862.44	12-MAR-18	6,862.44	Reconciled
385367	08-MAR-18	COMPANY FISHER SCIENTIFIC COMPANY LLC		2,229.05	12-MAR-18	2,229.05	Reconciled
385368	08-MAR-18	GANAHL LUMBER CO.		413.99	15-MAR-18	413,99	Reconciled
385369	08-MAR-18	GARCIA, LEONEL B		44.51	19-MAR-18	44.51	Reconciled
385370	08-MAR-18	GARZA INDUSTRIES,		1,292.58	12-MAR-18	1,292,58	Reconciled
		INC					
385371	08-MAR-18	GAW, PATRICK	1	26.94			Negotiable
385372	08-MAR-18	GHD INC.		7,807.18	12-MAR-18	7,807.18	Reconciled
IRWD Ledger Upgrade		Payment	Register For	01-MAR-18 To	30-MAR-18	Report Date: 29	-MAR-2018 15:17
BANK: Bank of America N.A.	Branc	h : Los Angeles		Account: Check	ing AP and PR	Page:	13
Bank Account Currency:	USD (US D	ollar)		Payment Curr	ency: USD (U	S Dollar)	
Payment Type: All			Displa	y Supplier Add	ress: No		
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					Cleared		

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
	ent : IRWD CH							
385373		08-MAR-18	GOLSON, GARY		19.82			Negotiable
385374		08-MAR-18	GRACHEV, OLEG		165.24			Negotiable
385375		08-MAR-18	GRAINGER		5,084.11	12-MAR-18	5,084.11	Reconciled
385376		08-MAR-18	HACH COMPANY		702.95	12-MAR-18	702.95	Reconciled
385377		08-MAR-18	HAJARIAN, ALI	00	40.92	19-MAR-18	40.92	Reconciled
385378		08-MAR-18	HARDY & HARPER, INC.		9,600.00	12-MAR-18	9,600.00	Reconciled
385379		08-MAR-18	HDR ENGINEERING		5,332.57	12-MAR-18	5,332.57	Keconciled
385380		08-MAR-18	HELP/SYSTEMS, LLC		1,500.00	12-MAR-18	1,500.00	Reconciled
385381		08-MAR-18	HELPMATES STAFFING SERVICES		34,483.79	14-MAR-18	34,483.79	Reconciled
385382		08-MAR-18	HHS COMMUNICATIONS, INC.		1,120.80	13-MAR-18	1,120.80	Reconciled
385383		00-MAR-18	HILL BROTHERS CHEMICAL COMPANY		2,196.66	13-MAR-18	2,196.66	Reconciled
385384		08-MAR-18	HOME DEPOT USA INC		645.30	13-MAR-18	645.30	Reconciled
385385		08-MAR-18	HUMANA INSURANCE COMPANY		73,80	12-MAR-18	73.80	Reconciled
385386		08-MAR-18	INDUSTRIAL METAL SUPPLY CO		6.73	12-MAR-18	6.73	Reconciled
385387		08-MAR-18	INFOSYS LIMITED		91,520.00	15-MAR-18	91,520.00	Reconciled
385388			IPC (USA), INC.		25,000,97	13-MAR-18	25,000.97	Reconciled
385389			IRVINE COMMUNITY DEVELOPMENT COMPANY LLC		108,023.23	19-MAR-18	108,023.23	Reconciled
385390		OR-MAR-18	IRVINE COMPANY		80.00	14-MAR-18	80.00	Reconciled
385391			IRVINE COMPANY		1,360.84			Negotiable
385392			IRVINE PACIFIC		53.61	12-MAR-18	53.61	
385393			IRVINE PIPE & SUPPLY INC		2,529.43	09-MAR-18	2,529.43	Reconciled
385394		08-MAR-18	IRVINE UNIFIED SCHOOL DISTRICT		41.17	15-MAR-18	41.17	Reconciled
385395		08-MAR-18	IZQUIERDO, NICOLE		71.47			Negotiable
385396		08-MAR-18			5,255.25	14-MAR-18	5,255.25	Reconciled
385397		08-MAR-18			135.58			Negotiable
385398		08-MAR-18			222,15			Voided
385399		08-MAR-18	JOE RHODES MAINT SERVICE INC		220.35	14-MAR-18	220.35	Reconciled
385400		08-MAR-18	JOHN MICHAEL COVAS		208.70	19-MAR-18	208.70	Reconciled
385401			KAM, LILY		36.05	19-MAR-18	36.05	Reconciled
385402		08-MAR-18			182.19	23-MAR-18	182.19	Reconciled
385403			KENNY THE PRINTER		511.76	12-MAR-18	511.76	Reconciled
IRWD Ledger Upo	ırade	-5 1111 10	Payment	Register Fo	or 01-MAR-18 To	30-MAR-18	Report Date: 29	
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	unt Currency:					ency: USD (
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Cleared Cleared Amount Supplier Name Payment Amount Date Payment Number Sequence Num Date Payment Document : IRWD CHECK 08-MAR-18 KERN COUNTY WATER AGENCY 61,200.00 14-MAR-18 61,200.00 Reconciled 385404 08-MAR-18 08-MAR-18 9,963.40 9,963.40 14-MAR-18 Reconciled 385405 KEYTRAK KIMBALL MIDWEST 12-MAR-18 1,111,25 Reconciled 385406 1,111.25 08-MAR-18 KLEINFELDER, INC. 12-MAR-18 0,029.35 Reconciled KONECRANES INC KROHNE, INC 12-MAR-18 12-MAR-18 612.00 1,987.28 385408 385409 08-MAR-18 08-MAR-18 612.00 1,987.28 Reconciled Reconciled KRONICK MOSKOVITZ TIEDEMANN & GIRARD 385410 08-MAR-18 806.20 12-MAR-18 806,20 Reconciled LAGUNA BEACH COUNTY WATER DISTRICT 385411 08-MAR-18 5,294.63 14-MAR-18 5,294.63 Reconciled 385412 08-MAR-18 LANDCARE HOLDINGS, 45,602.57 15-MAR-18 45,602.57 Reconciled INC. 385413 08-MAR-18 LILLIE, CARMAN 35.03 Negotiable 08-MAR-18 LIN, TSE S 193.65 13-MAR-18 193.65 385414 Reconciled

385415								
		08-MAR-18	LU'S LIGHTHOUSE,		1,345.69	13-MAR-18	1,345.69	Reconciled
385416		08-MAR-18	LUBRICATION ENGINEERS, INC.		6,414.88	12-MAR-18	6,414.88	Reconciled
185417 185418 185419		08-MAR-18	LUEVANO, SYLVIA M.CUBED MATSUNAGA,		270.00 14,357.50 131.18	13-MAR-18 19-MAR-18		Reconciled Reconciled Negotiable
385420 385421 385422		08-MAR-18	YASUTERU MCCROMETER, INC. MCGREGOR, TODD MCMURRAY STERN,		3,435.36 2.98 1,193.02	15-MAR-18 13-MAR-18 13-MAR-18	2.98	Reconciled Reconciled Reconciled
85423 85424			INC. MERCER (US) INC. MICHAEL BAKER INTERNATIONAL,		17,000.00 8,354.00			Reconciled Reconciled
85425		08-MAR-18	INC. MIDIRAHMADI,		23.44			Negotiable
85426		08-MAR-18	HOHOOMAN MISSION COMMUNICATIONS,		6,197.40	14-MAR-18	6,197.40	Reconciled
85427		09-MAR-18	LLC MUNICIPAL UNDERGROUND		2,850.00	09-MAR-18	2,850.00	Reconciled
385428 385429			SERVICES INC MUTUAL PROPANE MYERS & SONS HI-		198.89 2,605.40	13-MAR-18 12-MAR-18		Reconciled Reconciled
185430			WAY SAFETY, INC. NATIONAL WATER		500.00		2,	Negotiable
03430		OU-FIAN 10	RESOURCES ASSOCIATION INC					
Bank Accou	America N.A.	Brand USD (US [Payment : ch : Los Angeles Dollar)		01-MAR-18 To Account: Check: Payment Curre ay Supplier Add:	ing AP and : ency: USD	Report Date: 29 PR Page: (US Dollar)	-MAR-2018 15: 15
ıyment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Statu
Payment Docume				**********				
85431 85432			NATURES IMAGE INC NCL OF WISCONSIN		385.00 166.80	09-MAR-18 14-MAR-18		Reconciled Reconciled
85433		08-MAR-18	INC NMG GEOTECHNICAL		12,237.40	19-MAR-18	12,237.40	Reconciled
85434		08-MAR-18	INC NORMAN A. OLSSON		375,466.60	19-MAR-18	375,466.60	Reconciled
85435		08-MAR-18	CONSTRUCTION, INC. O.C. SUPERIÓR CUSTOM CLEANING SERVICES		4,312.00	13-MAR-18	4,312.00	Reconciled
85436 85437			OLIN CORPORATION OMEGA INDUSTRIAL		12,997.24 207.73	16-MAR-18 12-MAR-18		Reconciled Reconciled
		08-MAR-18	SUPPLY, INC. ORACLE AMERICA,				00 172 00	
885438		00 1111 10			28,173.06	14-MAR-18	28,173.06	Reconciled
			INC. ORANGE COUNTY AUTO		28,173.06	14-MAR-18 09-MAR-18		Reconciled Reconciled
85439		08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY				116.03	
85439 85440		08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY WATER DISTRICT PACE ADVANCED WATER ENGINEERING,		116.03	09-MAR-18	116.03 486,707.76	Reconciled Reconciled
85439 85440 85441		08-MAR-18 08-MAR-18 08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY WATER DISTRICT PACE ADVANCED WATER ENGINEERING, INC. PACIFIC HYDROTECH		116.03 486,707.76	09-MAR-18	116.03 406,707.76	Reconciled Reconciled
385440 885441 885442		08-MAR-18 08-MAR-18 08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY WATER DISTRICT PACE ADVANCED WATER ENGINEERING, INC. PACIFIC HYDROTECH CORPORATION PACIFIC HYDROTECH		116.03 486,707.76 8,820.00	09-MAR-18	116.03 486,707.76 8,820.00	Reconciled Reconciled Reconciled
085439 085440 085441 085442		08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY WATER DISTRICT PACE ADVANCED WATER ENGINEERING, INC. PACIFIC HYDROTECH CORPORATION PACIFIC HYDROTECH CORPORATION PAPER DEPOT DOCUMENT		116.03 486,707.76 8,820.00	09-MAR-18 14-MAR-18 09-MAR-18	116.03 486,707.76 8,820.00	Reconciled Reconciled Reconciled Negotiable
185439 185440 185441 185442 185443 185444		08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY WATER DISTRICT PACE ADVANCED WATER ENGINEERING, INC. PACIFIC HYDROTECH CORPORATION PACIFIC HYDROTECH CORPORATION PAEPER DEPOT DOCUMENT DESTRUCTION LLC PARKHOUSE TIRE INC PATTEN SYSTEMS,		116.03 486,707.76 8,820.00 10,642.38 202,205.12	09-MAR-18 14-MAR-18 09-MAR-18	116.03 486,707.76 8,820.00 202,205.12 757.80	Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
885440 885441 885442 885443 885444		08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY WATER DISTRICT PACE ADVANCED WATER ENGINEERING, INC. PACIFIC HYDROTECH CORPORATION PACIFIC HYDROTECH CORPORATION PAPER DEFOT DOCUMENT DESTRUCTION LLC PARKHOUSE TIRE INC PATTEN SYSTEMS, INC. PLUMBERS DEPOT		116.03 486,707.76 8,820.00 10,642.38 202,205.12 757.80	09-MAR-18 14-MAR-18 09-MAR-18 14-MAR-18 16-MAR-18	116.03 486,707.76 8,820.00 202,205.12 757.80 2,428.10 13,303.35	Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
85439 85440 85441 85442 85443 85443 85444 85445 85446		08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY WATER DISTRICT PACE ADVANCED WATER ENGINEERING, INC. PACIFIC HYDROTECH CORPORATION PACIFIC HYDROTECH CORPORATION PAPER DEPOT DOCUMENT DOCUMENT DESTRUCTION LLC PARKHOUSE TIRE INC PATTEN SYSTEMS, INC.		116.03 486,707.76 8,820.00 10,642.38 202,205.12 757.80 2,426.10 13,303.35	09-MAR-18 14-MAR-18 09-MAR-18 14-MAR-18 16-MAR-18 13-MAR-18 19-MAR-18	116.03 486,707.76 8,820.00 202,205.12 757.80 2,428.10 13,303.35 517.20	Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
885441 885442 885443 885444 885444 885445 885446 885447		08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY WATER DISTRICT PACE ADVANCED WATER ENGINEERING, INC. PACIFIC HYDROTECH CORPORATION PACIFIC HYDROTECH CORPORATION PACHER DEPOT DOCUMENT DESTRUCTION LLC PARKHOUSE TIRE INC PATTEN SYSTEMS, INC. PLUMBERS DEPOT INC. POLLARDWATER.COM PTI SAND & GRAVEL INC R&M SERVICE		116.03 486,707.76 8,820.00 10,642.38 202,205.12 757.80 2,426.10 13,303.35 517.20 197.75	09-MAR-18 14-MAR-18 09-MAR-18 14-MAR-18 16-MAR-18 13-MAR-18 19-MAR-18 12-MAR-18	116.03 486,707.76 8,820.00 202,205.12 757.80 2,428.10 13,303.35 517.20 197.75 553.71	Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled
385440 385441 385442 385443 385444 385446 385447 385448 385448		08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY WATER DISTRICT PACE ADVANCED WATER ENGINEERING, INC. PACIFIC HYDROTECH CORPORATION PACIFIC HYDROTECH CORPORATION PACED DEPOT DOCUMENT DESTRUCTION LLC PARKHOUSE TIRE INC PATTEN SYSTEMS, INC. PLUMBERS DEPOT INC. POLLARDWATER.COM PTI SAND & GRAVEL INC R&M SERVICE SOLUTIONS, INC. RAM AIR		116.03 486,707.76 8,820.00 10,642.38 202,205.12 757.80 2,428.10 13,303.35 517.20 197.75 553.71	09-MAR-18 14-MAR-18 09-MAR-18 14-MAR-18 16-MAR-18 13-MAR-18 12-MAR-18 12-MAR-18	116.03 486,707.76 8,820.00 202,205.12 757.80 2,428.10 13,303.35 517.20 197.75 553.71 2,080.00	Reconciled Reconciled Reconciled Negotiable Reconciled Reconciled
85441 85441 85442 85443 85444 885444 885446 885447 885448 885449 885450 885451		08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY WATER DISTRICT PACE ADVANCED WATER ENGINEERING, INC. PACIFIC HYDROTECH CORPORATION PACIFIC HYDROTECH CORPORATION PACEFORMATION PAEER DEPOT DOCUMENT DESTRUCTION LLC PARKHOUSE TIRE INC PARTEN SYSTEMS, INC. PLUMBERS DEPOT INC. POLLARDWATER.COM PTI SAND & GRAVEL INC R&M SERVICE SOLUTIONS, INC. RAM AIR ENGINEERING INC RAMCHO TIERRA APTS REACH EMPLOYEE		116.03 486,707.76 8,820.00 10,642.38 202,205.12 757.80 2,428.10 13,303.35 517.20 197.75 553.71 2,080.00	09-MAR-18 14-MAR-18 09-MAR-18 14-MAR-18 16-MAR-18 13-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18	116.03 486,707.76 8,820.00 202,205.12 757.80 2,428.10 13,303.35 517.20 197.75 553.71 2,080.00 1,412.62 34.85	Reconciled
Bank Accor		08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18 08-MAR-18	INC. ORANGE COUNTY AUTO PARTS CO ORANGE COUNTY WATER DISTRICT PACE ADVANCED WATER ENGINEERING, INC. PACIFIC HYDROTECH CORPORATION PACIFIC HYDROTECH CORPORATION PACIFIC HYDROTECH CORPORATION PAEER DEPOT DOCUMENT DESTRUCTION LLC PARKHOUSE TIRE INC PARTEN SYSTEMS, INC. PLUMBERS DEPOT INC. POLLARDWATER.COM PTI SAND & GRAVEL INC R&M SERVICE SOLUTIONS, INC. RAM AIR ENGINEERING INC RANCHO TIERRA APTS REACH EMPLOYEE ASSISTANCE INC PAYMENT Ch : Los Angeles	Register For	116.03 486,707.76 8,820.00 10,642.38 202,205.12 757.80 2,428.10 13,303.35 517.20 197.75 553.71 2,080.00 1,412.62 34.85 1,002.40 01-MAR-18 To Account: Check	09-MAR-18 14-MAR-18 09-MAR-18 14-MAR-18 16-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 12-MAR-18 13-MAR-18 30-MAR-18 30-MAR-18 14-MAR-18 10-MAR-18	116.03 486,707.76 8,820.00 202,205.12 757.80 2,428.10 13,303.35 517.20 197.75 553.71 2,080.00 1,412.62 34.85 1,002.40	Reconciled

385454	08-MAR-18	REFRIGERATION SUPPLIES	375.14	09-MAR-18	375.14	Reconciled
		DISTRIBUTOR				
385455	08-MAR-18	RELIABLE WATER SOLUTIONS, LLC	9,822.56	12-MAR-18	9,822.56	Reconciled
385456	08-MAR-10		129.87	13-MAR-18	129.87	Reconciled
385457	08-MAR-18		114,00	13-MAR-18	114.00	Reconciled
385458	08-MAR-18	ROBINSON, MARY	36.09	12-MAR-18	36.09	Reconciled
385459	08-MAR-18	ROGERS, LINDA	36.36	20-MAR-18	36.36	Reconciled
385460	08-MAR-18		162,286.21	15-MAR-18	162,286,21	Reconciled
303400	00 1111 20	BRAVO WATER	,		,	
		STORAGE DISTRICT				
385461	08-MAR-18		739.16	19-MAR-18	739.16	Reconciled
385462	08-MAR-18		1,800.00	15-MAR-18	1,800.00	Reconciled
303402	***************************************	INCORPORATED	-,			
385463	08-MAR-18	SAN CARLO	150.71	19-MAR-18	150.71	Reconciled
303100		APARTMENTS				
385464	08-MAR-18		362,37	19-MAR-18	362.37	Reconciled
385465	08-MAR-18	SAN MARCO	267.44	19-MAR-18	267.44	Reconciled
300,00		APARTMENTS				
385466	08-MAR-18	SAN MARINO APTS	278.47	19-MAR-18	278.47	Reconciled
385467	08-MAR-18	SAN REMO APTS	190.12	19-MAR-18	190,12	Reconciled
385468	08-MAR-18	SANDERS PAVING INC	52,406.25	15-MAR-18	52,406.25	Reconciled
385469	08-MAR-18	SANTA ANA BLUE PRINT	783.48	13-MAR-18	783.48	Reconciled
385470	08-MAR-18	SANTA MARGARITA	178.55	12-MAR-18	178.55	Reconciled
		FORD	ne (8/8	10 MPD 10	25 02	D
385471	08-MAR-18	SAWAYA, TINA	35.02	19-MAR-18	35.02	Reconciled Reconciled
385472	08-MAR-18	SEALS WEST PACKING CO.	2,262.75	14-MAR-18	2,262.75	
385473	08-MAR-18	SEPARATION PROCESSES INC	201.00	12-MAR-18	201.00	Reconciled
385474	08-MAR-18	SERRANO WATER DISTRICT	32,292.96	19-MAR-18	32,292.96	Reconciled
385475	08-MAR-18	SHAW PUMP &	3,702,40	14-MAR-18	3,702.40	Reconciled
363473	00-MAK-10	SUPPLY, INC.	3,702.40	14 1211 10	3,102.10	110001101104
385476	08-MAR-18	•	187.75	12-MAR-18	187.75	Reconciled
303470	00 HAR 10	COMPANY	107.13	IL IMM IO	101110	110001101100
385477	08-MAR-18		13,710,42	19-MAR-18	13,710,42	Reconciled
385478	08-MAR-18		57.39	21-MAR-18	57.39	Reconciled
202470	00 1441 10	QUALITY MANAGEMENT DISTRICT	37.33	21 1211 10	9,1,93	
385479	08-MAR-18	SOUTH COAST	549.64	12-MAR-18	549.64	Reconciled
303413	OO PAR-10	ANSWERING SERVICE	0.5104		0.0101	

ANSWERING SERVICE

IRWD Ledger Upgrade

BANK: Bank of America N.A.

Branch: Los Angeles

Bank Account: Checking AP and PR

Bank Account Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Cleared

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Payment Number	Sequence Num Da	te	Supplier Name	Site	Payment Amount	Date	Cleared Amount	Status
Payment Docu	ment : IRWD CHECK							
385480	08	-MAR-18	SOUTH COAST WATER		40.00	12-MAR-18	40.00	Reconciled
385481	08	-MAR-18	SOUTHERN CALIFORNIA EDISON COMPANY		5,007.37	12-MAR-18	5,007.37	Reconciled
385482	08	-MAR-18	SOUTHERN CALIFORNIA EDISON COMPANY		391,405.25	12-MAR-18	391,405.25	Reconciled
385483	08	8-MAR-18	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.		57.92	20-MAR-18	57.92	Reconciled
385484	08	8-MAR-18	SPATIAL WAVE, INC.		11,880.00	13-MAR-18		Reconciled
385485	08	8-MAR-18	SPESS, CHRISTY		50.00	15-MAR-18	50.00	Reconciled
385486	08	8-MAR-18	ST ANTON		910.58	14-MAR-18	910.58	Reconciled
385487	08	8-MAR-18	STANDARD REGISTER,		2,555.02	12-MAR-18	2,555.02	Reconciled
385488	08	9-MAR-18	STANFORD COURT APARTMENTS		114.96	19-MAR-18	114.96	Reconciled
385489	08	8-MAR-18	SYNERGY COMPANIES		180,107,37	15-MAR-18	180,107.37	Reconciled
385490			TAORMINA, COSMO		90.43	16-MAR-18	90.43	Reconciled
385491	08	9-MAR-18	THE FURMAN GROUP,		12,540.00	19-MAR-18	12,540.00	Reconciled
385492	08	9-MAR-18	THE NEW HOME COMPANY SOUTHERN CALIFORNIA LLC		48.15			Negotiable
385493	08	3-MAR-18	THERMO ELECTRON NORTH AMERICA LLC		2,410.23	12-MAR-18	2,410.23	Reconciled
385494	0.8	8-MAR-18	THOMPSON INDUSTRIAL SUPPLY		119.35	12-MAR-18	119,35	Reconciled
385495	08	8-MAR-18	THYSSENKRUPP ELEVATOR CORPORATION		191.94	12-MAR+18	191.94	Reconciled
385496	08	8-MAR-18	TIC-RETAIL PROPERTIES		1,969.49	14-MAR-18	1,969.49	Reconciled
385497	0.8	3-MAR-18			621.82	12-MAR-18	621.82	Reconciled
385498		3-MAR-18	TOLL BROTHERS		10.50			Negotiable
385499		3-MAR-18	TOTO, BARBARA A		35,36	12-MAR-18	35,36	Reconciled

385500		08-MAR-18	TROPICAL PLAZA NURSERY INC				37,085.12	Reconciled
385501 385502			TRUCPARCO TURTLE ROCK CANYON		447.76 264.05	19-MAR-18	447.76 264.05	Reconciled Reconciled
385503		08-MAR-18	APTS UCT, LLC		270.87	13-MAR-18	270.87 200.63	Reconciled
385504 IRWD Ledger Upgra	do	08-MAR-18	UCT, LLC ULTRA SCIENTIFIC Payment	Pagistar Fo	208.63	14-MAR-18	208.63 Report Date: 29-	Reconciled MAR-2018 15:17
BANK; Bank of Am	erica N.A.	Branc	h : Los Angeles	Negibici 10	Account: Check:	ing AP and PR	Page: 1	8
Bank Accoun Pavment I	t Currency; 'vpe: All	USD (US D	h : Los Angeles ollar)	Disp	Payment Curre lay Supplier Add:	ency: USD (US ress: No	S Dollar)	
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Payment Number S	equence Num	Date	Supplier Name	Site	Payment Amount	Date	Cleared Amount	Status
Payment Documen								
385505		08-MAR-18	UNDERGROUND		1,247.50	13-MAR-18	1,247.50	Reconciled
			SERVICE ALERT OF SOUTHERN					
			CALIFORNIA					
385506		08-MAR-18	UNITED HEALTHCARE INSURANCE COMPANY		245,85	14-MAR-18	245.85	Reconciled
385507		08-MAR-18	UNITED PARCEL		278,06	12-MAR-18	278.06	Reconciled
385508		08-MAR-18	SERVICE INC UNITED STATES POST		25,000.00	19-MAR-18	25,000.00	Reconciled
385509		08-MAR-18	OFFICE US BANK NAT'L		101,646.70	19-MAR-18	101,646.70	Reconciled
505003			ASSOCIATION NORTH					
385510		08-MAR-18	DAKOTA VANMALI, MINA		82,13			Negotiable
385511		08-MAR-18	VERIZON WIRELESS SERVICES LLC		3,592.37	12-MAR-18	3,592.37	Reconciled
385512			WARDE, CAROLE		18.70	19-MAR-18	18.70	Reconciled
385513		08-MAR-18	WASTE MANAGEMENT OF ORANGE COUNTY		1,812.88	12-MAR-18	1,812.88	Reconciled
385514		08-MAR-18	WAXIE'S ENTERPRISES, INC		1,053.89	12-MAR-18	1,053.89	Reconciled
385515		08-MAR-18	WECK LABORATORIES		730.00	14-MAR-18	730.00	Reconciled
385516		08-MAR-18	INC WINDWOOD GLEN		78.72	19-MAR-18	78.72	Reconciled
385517		08-MAR-18	WOODBRIDGE WILLOWS APARTMENTS		148,24	19-MAR-18	148.24	Reconciled
385518			WORLD OF DECOR INC		74.03 29,40	13-MAR-18	74.03	Reconciled Negotiable
385519 385520			XIE, NIANFEI YORK INSURANCE		7,786.25	12-MAR-18	7,786.25	Reconciled
			SERVICES GROUP INC	:				
385521			ZHENG, JIN		24.60	40 100 10	100.00	Negotiable
385522		15-MAR-18	Garcia, Alejandro (Alex)		180.00	19-MAR-18	180.00	Reconciled
385523		15-MAR-18	Marshall, Matt I (Matt)		60.00	23-MAR-18	60.00	Reconciled
385524		15-MAR-18	Martin, Didene J (De)		208.95			Negotiable
385525		15-MAR-18	Perez, Rodolfo		145.00			Negotiable
385526			(Rudy) Severin, Victoria		167.02		167.02	Reconciled
385527		15-MAR-18	2581 FAIRWAY DR, LLC		145.90	22-MAR-18	145.90	Reconciled
385528		15-MAR-18	4200 VON KARMAN, LLC		59.84	26-MAR-18	59.84	Reconciled
385529	,	15-MAR-18	ARE INTERNATIONAL	D/ E-	771.78	20-MAR-18	771.78 Report Date: 29-	Reconciled
IRWD Ledger Upgra BANK: Bank of A	merica N.A.	Branc	:h : Los Angeles	Register Fo	Account: Check	ing AP and PR	Page: 1	.9
Bank Accou	nt Currency:	USD (US D	ch : Los Angeles	Disp	Payment Curr	ency: USD (U)	S Dollar)	
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						Cleared		
Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Date	Cleared Amount	Status
Payment Documen								
385530		15-MAR-18	ABM INDUSTRY		18,915.01	21-MAR-18	18,915.01	Reconciled
385531		15-MAR-18	GROUPS, LLC ADAM'S FALCONRY		2,640.00	19-MAR-18	2,640.00	Reconciled
385532		15-MAR-18	SERVICE, LLC AECOM TECHNICAL		55,021.59	22-MAR-18	55,021.59	Reconciled
385533		15-MAR-18	SERVICES, INC. AGHI. RAKESH		255.84			Negotiable
385534		15-MAR-18	AGUSTSSON, TAKAKO		74.00	20-MAR-18	74.00	Reconciled
385535 385536		15-MAR-18 15-MAR-18	AGHI, RAKESH AGUSTSSON, TAKAKO AIRGAS, INC. AMAZON CAPITAL		574.41 915.07	19-MAR-18 19-MAR-18	74.00 574.41 915.07	Reconciled Reconciled
385537			SERVICES, INC. ANDERSONPENNA		55,576.00			Reconciled
			PARTNERS, INC.					Reconciled
385538 385539		15-MAR-18	ANIXTER INC ANTHEM BLUE CROSS		214.68	22-MAR-18	23,317.10 214.68 546.33	Reconciled
385540 385541			ANTHEM BLUE CROSS ANTHEM BLUE CROSS		546.33 546.33	22-MAR-18 22-MAR-18	546.33 546.33	Reconciled
385542		15-MAR-18	ANTHEM BLUE CROSS		290.43	22-MAR-18	290.43	Reconciled
385543 385544			ANTHONY N. LARSEN APCO GRAPHICS INC		400.00 327.96	19-MAR-18	400.00 327.96	Reconciled Reconciled

385545	15-MAR-18	APEX LIFE SCIENCES, LLC	3,398.06	19-MAR-18	3,398.06	Reconciled
		ASHFORD, WALT ASSOCIATION OF	256.63 5,150.00		256.63	Reconciled Negotiable
	15-MAR-18 15-MAR-18		1,670.57 1,094.20		1,670.57 1,094.20	Reconciled Reconciled
	15-MAR-10		49.32		49.32	Reconciled
		ATHENS SERVICES ATHENS SERVICES	977.25 10,762.23		977.25 10,762.23	Reconciled Reconciled
	15-MAR-18		2,756.40		2,756.40	Reconciled
385554	15-MAR-18	RUUD AND ROMO AUTOZONE PARTS, INC.	203.06	20-MAR-18	203.06	Reconciled
385555	15-MAR-18	BAOLONG SUN AND KAI CHENG	354.09	20-MAR-18	354.09	Reconciled
		BDC SPECIAL WASTE BEST DRILLING AND	207.20 10,500.00		207.20 10,500.00	Reconciled Reconciled
385558	15-MAR-18	PUMP, INC. BEST MANAGEMENT CONSTRUCTION, INC.	10,688.42	20-MAR-18	10,688.42	Reconciled
		BOYD & ASSOCIATES BRENNTAG PACIFIC	3,753.00 58,960.10		3,753.00 58,960.10	Reconciled Reconciled
IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All	Branc USD (US D	h ; Los Angeles	Register For 01-MAR-18 To Account: Chec Payment Cur Display Supplier Ad	king AP and Frency: USD (PR Page: 2	
D 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Data	Currelian Name	City Dayment Dreum	Cleared	Clasted Amount	Status
Payment Number Sequence Num Payment Document : IRWD CHE		supplier Name	Site Payment Amoun		Cleared Amount	Status
385561	15-MAR-18	BROOKFIELD HOMES	2,328.60	23-MAR-10	2,328.60	Reconciled
385562	15-MAR-18	SO. CALIF LLC C WELLS PIPELINE MATERIALS INC	2,189.49	23-MAR-18	2,189.49	Reconciled
385563	15-MAR-18	CALIFORNIA BARRICADE RENTAL,	1,495.00	19-MAR-18	1,495.00	Reconciled
385564	15-MAR-10	INC. CALIFORNIA PACIFIC HOMES	329.89	1		Negotiable
385565	15-MAR-18		17,906.50	27-MAR-18	17,906.50	Reconciled
385566 385567	15-MAR-18 15-MAR-18	CDW GOVERNMENT LLC	1,536.06 3,715.00		1,536.08 3,715.00	Reconciled Reconciled
385568	15-MAR-18	CHO DESIGN ASSOCIATES, INC	1,025.00	26-MAR-18	1,025.00	Reconciled
385569	15-MAR-18	CITY CIRCUIT BREAKERS	808.13	22-MAR-18	808.13	Reconciled
385570 385571	15-MAR-18 15-MAR-18	CLARIS STRATEGY	612.03 10,500.00			Reconciled Reconciled
385572	15-MAR-18	INC. COAST PLUMBING HEATING AND AIR,	1,300.00	19-MAR-18	1,300.00	Reconciled
385573	15-MAR-1θ	INC CONSOLIDATED CONTRACTING	927.75	23-MAR-18	927.75	Reconciled
385574	15-MAR-18		384.48	3 20-MAR-1θ	384,48	Reconciled
385575	15-MAR-18	INCORPORATED DDB ENGINEERING,	1,800.00	19-MAR-10	1,800.00	Reconciled
385576	15-MAR-18	INC. DEE JASPAR & ASSOCIATES, INC.	3,864.93	28-MAR-18	3,864.93	Reconciled
385577 385578		DELL MARKETING LP DEMARIA ELECTRIC MOTOR SERVICES,	3,364.78 6,253.78		,	Reconciled Reconciled
385579	15-MAR-18	INC. DIRECT DRIVES &	261.76	5 19-MAR-18	261.76	Reconciled
385580	15-MAR-18	CONTROLS INC DISCOVERY SCIENCE CENTER OF ORANGE	2,049.84	20-MAR-18	2,049.84	Reconciled
385581	15-MAR-18	COUNTY DOWNSTREAM SERVICES, INC.	12,388.00	23-MAR-18	12,388.00	Reconciled
385582 IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All		DUDEK Payment ch : Los Angeles	Register For 01-MAR-18 To Account: Chec	cking AP and F crency: USD	Report Date: 29- PR Page: 2	-MAR-2018 15:17
Payment Number Sequence Num	****				Cleared Amount	Status
Payment Document : IRWD CH						
385583	15-MAR-18	EAGLE PRINT DYNAMICS	272.18	5 20-MAR-18	272.15	Reconciled

385584	15-MAR-18	ENTERPRISE RIDESHARE	15,642.66	22-MAR-10	15,642.66	Reconciled
385585	15-MAR-18	EVANS-HYDRO INC	6,343,94	20-MAR-18	6,343.94	Reconciled
385586	15-MAR-18		22,612,05	21-MAR-18	22,612.05	Reconciled
		& ELECTRIC				
385587	15-MAR-18	FEDEX	270.41	19-MAR-18	270.41	Reconciled
385588	15-MAR-18	FERGUSON	25,536.75	21-MAR-18	25,536.75	Reconciled
		ENTERPRISES, INC.				
385589	15-MAR-18	FISHER SCIENTIFIC	372.31	19-MAR-18	372,31	Reconciled
		COMPANY LLC				
385590	15-MAR-18	FLEET SOLUTIONS	4,871.00	20-MAR-18	4,871.00	Reconciled
		LLC				
385591	15-MAR-18		51.90	21-MAR-18	51.90	Reconciled
		CALIFORNIA INC.				
385592		FU, YONGQUN	718,10	22-MAR-18	718.10	Reconciled
385593	15-MAR-18		46.74	21-MAR-18	48.74	Reconciled
385594	15-MAR-18	GEORGE HILLS	136.00	21-MAR-18	136,00	Reconciled
		COMPANY, INC.	400.00	00 1120 10	400.00	B
385595	15-MAR-18	GJ AUTOMOTIVE	429.92	23-MAR-18	429.92	Reconciled
005505	45 100 10	EQUIPMENT CO INC	2 ((2 7)	19-MAR-18	3,662.76	Reconciled
385596	15-MAR-18		3,662.76	19-MAR-18 21-MAR-18	19,313.66	Reconciled
385597	15-MAR-18		19,313.66	21-MAK-18	19,313.66	Reconciled
385598	15 MAD 10	COMPANY HAAKER EOUIPMENT	519.49	20-MAR-10	519.49	Reconciled
185598	12-MAK-18	COMPANY	519,49	20-MAR-10	519,49	Reconciled
385599	15 MAD 10	HACH COMPANY	7,181.59	19-MAR-18	7,181,59	Reconciled
385600	15-MAR-18		44.78	23-MAR-18	44.78	Reconciled
363600	12-10-10	MANAGEMENT	44.70	23-1441-10	44,70	Reconciled
385601	15-MAR-18	HAMILTON, KURT	626,70	23-MAR-18	626.70	Reconciled
385602		HARRINGTON	23,182,62	21-MAR-18	23,182.62	Reconciled
303002	15 1221 10	INDUSTRIAL	23,102,02	21 1411 10	20,102,02	110001103=04
		PLASTICS LLC				
385603	15-MAR-18	HARRY H. KOBZEFF	9,205.00	19-MAR-18	9,205.00	Reconciled
385604		HELPMATES STAFFING	11,268.81	20-MAR-18	11,268.81	Reconciled
500001	20 1221 20	SERVICES	/		,	
385605	15-MAR-18	HERITAGE FIELDS EL	462.71	28-MAR-18	462.71	Reconciled
		TORO, LLC				
385606	15-MAR-18	HERMITAGE PROPERTY	33.64	21-MAR-18	33.64	Reconciled
		MANAGEMENT				
385607	15-MAR-18	HERMITAGE PROPERTY	230.29	21-MAR-18	230.29	Reconciled
		MGMT				
385608	15-MAR-18	HIA, HUI	31.26			Negotiable
385609	15-MAR-18	HILL BROTHERS	10,566.09	22-MAR-18	10,566.09	Reconciled
		CHEMICAL COMPANY				
TOTAL T 1 17		Barrent Barrietan Elan	01 MDD 10 M-	20 MAD 10	Damant Datas 20	MAD-2010 15:17

Report Date: 29-MAR-2018 15:17 Payment Register For 01-MAR-18 To 30-MAR-18 IRWD Ledger Upgrade Account: Checking AP and PR BANK: Bank of America N.A. Branch : Los Angeles Page: Payment Currency: USD (US Dollar) Bank Account Currency: USD (US Dollar)

Payment Type: All

Display Supplier Address: No

Payment Number Sequence Num Date Supplier Name Site Payment Amount Date Cleared Amount Status 525.28 20-MAR-18 525.28 Reconciled 15-MAR-18 HOME DEPOT USA INC 385611 15-MAR-18 HORIZON TECHNOLOGY 1,515.62 19-MAR-18 1,515:62 Reconciled INC 385612 15-MAR-18 HOYA OPTICAL LABS 212.18 21-MAR-18 212.18 Reconciled OF AMERICA, INC. IBEW LOCAL 47 385613 15-MAR-18 1,400.00 Negotiable 925.00 385614 15-MAR-18 15-MAR-18 IBM CORPORATION IRVINE COMMUNITY 925.00 20-MAR-18 Reconciled 172,273.92 172,273.92 23-MAR-18 Reconciled 385615 DEVELOPMENT COMPANY LLC 385616 15-MAR-18 IRVINE PIPE & 67,92 19-MAR-18 67.92 Reconciled SUPPLY INC 750.00 IRVINE POLICE 750.00 21-MAR-18 Reconciled 385617 15-MAR-18 ASSOCIATION 1,392.21 1,392.21 16-MAR-18 Reconciled 385618 15-MAR-18 IRWD-PETTY CASH CUSTODIAN 385619 15-MAR-18 KAYUGA SOLUTION 14,280.00 20-MAR-18 14,280,00 Reconciled INC 385620 15-MAR-18 KONECRANES INC 5,615.00 19-MAR-18 5,615.00 Reconciled LENNAR HOMES Negotiable 385621 15-MAR-18 897.39 LEWIS BRISBOIS 280.00 20-MAR-18 280.00 Reconciled 385622 15-MAR-18 BISGAARD AND SMITH, LLP LU'S LIGHTHOUSE, 385623 15-MAR-18 117.24 20-MAR-18 117,24 Reconciled INC. 385624 15-MAR-18 MAKINO, YOKO 99.84 28-MAR-18 99.84 Reconciled 2,901.69 2,901.69 385625 15-MAR-18 MANSOUR, 19-MAR-18 Reconciled SALAHEDDIN 385626 15-MAR-18 MBK ENGINEERS 6,681.00 20-MAR-18 6,681.00 Reconciled Reconciled 385627 15-MAR-18 MC MASTER CARR 131.18 19-MAR-18 131.18 SUPPLY CO 6,328,39 6.328.39 Reconciled 385628 15-MAR-18 MCR TECHNOLOGIES 19-MAR-18 INC 385629 15-MAR-18 MEGGER 380.71 21-MAR-18 380 71 Reconciled 385630 15-MAR-18 MERRIMAC 20,564.84 21-MAR-18 20,564.84 Reconciled PETROLEUM, INC. 4,051.00 4.051.00 Reconciled 385631 15-MAR-18 MICHAEL BAKER 19-MAR-18 INTERNATIONAL, 385632 15-MAR-18 MO, QIRONG 215,86 Negotiable

385633	15-MAR-18	MUNICIPAL WATER DISTRICT OF ORANGE		1,511.02	20-MAR-18	11,511.02	Reconciled
385634	15-MAR-18	COUNTY NATIONAL READY		1,849.23	19-MAR-18	1,849.23	Reconciled
385635 IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All	_		Register For 01-M	AR-18 To	30-MAR-18	Page: 2	
Payment Number Sequence Num	Date	Supplier Name	Site Payme	nt Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CH							
385636 385637		NOSSAMAN LLP O.C. SUPERIOR CUSTOM CLEANING SERVICES	3	1,951.00 712.00	22-MAR-18 20-MAR-18	31,951.00 712.00	Reconciled Reconciled
385638 385639		OLIN CORPORATION ORACLE AMERICA,		2,177.23 2,681.50	22-MAR-18 22-MAR-18	22,177.23 192,681.50	Reconciled Reconciled
385640	15-MAR-18	INC. ORANGE COUNTY MOSQUITO AND VECTOR CONTROL		2,554.69	23-MAR-18	2,554.69	Reconciled
385641	15-MAR-18	DISTRICT ORANGE COUNTY SANITATION	89	0,730.41	20-MAR-18	890,730.41	Reconciled
385642	15-MAR-18	DISTRICT ORANGE COUNTY		62.50	26-MAR-18	62,50	Reconciled
385643	15-MAR-18	SHERIFF'S OFFICE ORCHARD HILLS		621.60			Negotiable
385644	15-MAR-18	APARTMENTS OUTSOURCE	2	0,931.25	20-MAR-18	20,931.25	Reconciled
385645	15-MAR-18	TECHNICAL LLC PACIFIC PARTS &		620.34	20-MAR-18	620,34	Reconciled
385646 385647		CONTROLS INC PARKHOUSE TIRE INC PASCAL & LUDWIG		8,635.41 6,039.64	20-MAR-18 21-MAR-18	8,635.41 126,039.64	Reconciled Reconciled
385648	15-MAR-18	CONSTRUCTORS PASCAL & LUDWIG		6,741.57	19-MAR-18	6,741.57	Reconciled
385649	15-MAR-18	CONSTRUCTORS PELLETIER &		1,830.00	20-MAR-18	1,830.00	Reconciled
385650	15-MAR-18	ASSOCIATES, INC. PERS LONG TERM		675.35	20-MAR-18	675.35	Reconciled
385651	15-MAR-18	CARE PILLSBURY WINTHROP		8,868.75	19-MAR-18	8,868.75	Reconciled
385652	15-MAR-18	SHAW PITTMAN LLP PROCARE WORK		1,345.00	20-MAR-18	1,345.00	Reconciled
385653	15-MAR-18	INJURY CENTER PRONTO GYM		555,49	19-MAR-18	555.49	Reconciled
385654	15-MAR-18			3,971.50 403.68	19-MAR-18 20-MAR-18	3,971.50 403.68	Reconciled Reconciled
385655		PTI SAND & GRAVEL		150,85	20-MAK-10	403.00	Negotiable
385656 385657 385658 385659 385660	15-MAR-18 15-MAR-18 15-MAR-18	PULTE HOMES PULTE HOMES-2009 PUREWORKS, INC. PURI, KARAN RAINBOW DISPOSAL CO INC	5	1,312.44 7,350.00 50.00 357.36	22-MAR-18 21-MAR-18 23-MAR-18	57,350.00 50.00 357.36	Negotiable Reconciled Reconciled Reconciled
IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All		ch : Los Angeles	Register For 01-M Accou Pay Display Sup	nt: Check ment Curr	ing AP and PR ency: USD (U	Page: 2	
Payment Number Sequence Num	m Date	Supplier Name	Site Payme	ent Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD C							
385661	15-MAR-10	RAM AIR		3,865.00	20-MAR-18	3,865.00	Reconciled
385662 385663		ENGINEERING INC RANCHO ALISAL APTS RANCHO MADERAS		1,635.59 260.22			Negotiable Negotiable
385664	15-MAR-18	APTS RANCHO MARIPOSA		110.59			Negotiable
385665	15-MAR-18	APTS RANCHO SANTA FE		1,254.35			Negotiable
385666 385667		APTS RANCHO TIERRA APTS REFRIGERATION SUPPLIES	\$	219.57 816.12	19-MAR-18	816.12	Negotiable Reconciled
385668 385669		DISTRIBUTOR RHODES JR, REILLY RINCON TRUCK		11.54 2,682.24	20-MAR-18	2,682.24	Negotiable Reconciled
385670 385671		CENTER INC. RJ NOBLE COMPANY ROKNI ELECTRIC		3,351.71 9,875.00	19-MAR-18 22-MAR-18	3,351.71 9,875.00	Reconciled Reconciled
385672 385673		COMPANY INC. RU, ZEHAO RYLAND HOMES OF		923.28 666.94	26-MAR-18	923.28	Reconciled Negotiable

		CALTEODNIA INC					
385674	15-MAR-18	CALIFORNIA INC S & J SUPPLY CO		64,750.59	21-MAR-18	64,750.59	Reconciled
385675	15-MAR-18	SACRAMENTO RIVER		1,500.00			Negotiable
385676	15-MAR-18	WATERSHED PROGRAM SAFETY CENTER		3,480.00	21-MAR-10	3,480,00	Reconciled
385677	15-MAR-18	INCORPORATED SAN CARLO		52,18			Negotiable
385678		APARTMENTS SANDERS PAVING INC		28,834.00	21-MAR-18	28,834.00	Reconciled
385679		SANTA ANA BLUE PRINT		187.88	20-MAR-18	187.88	Reconciled
385680		SHAMROCK SUPPLY CO		1,741.40	20-MAR-18	1,741.40	Reconciled
385681		SHEA/BAKER RANCH ASSOCIATES, LLC		16,132.39			Negotiable
385682 385683		SIGMA-ALDRICH INC SILVERWOOD		89.86 2,821.85	20-MAR-18 19-MAR-18	89.86 2,821.85	Reconciled Reconciled
385684	15-MAR-18	LANDSCAPE SIMI VALLEY		669.98	19-MAR-18	669.98	Reconciled
		LANDFILL AND RECYCLING CENTER					
385685	15-MAR-18	SITEONE LANDSCAPE SUPPLY, LLC		188,78	20-MAR-18	188.78	Reconciled
395606 IRWD Ledger Upgrade	15-MAR-18	SITMATIC Payment	Register F	2,016.16 For 01-MAR-18 To	19-MAR-18 30-MAR-18	2,016.16 Report Date: 29-	Reconciled MAR-2018 15:17
BANK: Bank of America N.A. Bank Account Currency: Payment Type: All	Branc USD (US I	ch : Los Angeles		Account: Checki Payment Curre	ng AP and PR ency: USD (US	Page: 2 Dollar)	:5
Payment Type: All	000 (00 2	,	Dis	splay Supplier Addr	ess: No	,	
					Cleared		
Payment Number Sequence Num				Payment Amount		Cleared Amount	
Payment Document : IRWD CH							
385687	15-MAR-18	SOUTHERN		24,190.46	20-MAR-18	24,190.46	Reconciled
		CALIFORNIA EDISON COMPANY					
385688	15-MAR-18	CALIFORNIA		1,378.44	20-MAR-18	1,378.44	Reconciled
		SECURITY CENTERS, INC.					- 12.1
385689		SOUTHERN COUNTIES LUBRICANTS LLC		905.10	20-MAR-18	905.10	Reconciled
385690 385691		SPARKLETTS STANTEC CONSULTING	,	275.82 8,485.00	21-MAR-18 19-MAR-18	275,82 8,485.00	Reconciled Reconciled
385692	15-MAR-18	SERVICES INC. STRADLING YOCCA		84.00	19-MAR-18	84.00	Reconciled
385693	15-MAR~18	CARLSON & RAUTH SUKLE ADVERTISING		4,006.00	23-MAR-18	4,006.00	Reconciled
385694	15-MAR-18	INC. TANG, HUI		63.04	19-MAR-18	63.04	Reconciled
385695 385696		TAYLOR MORRISON TAYLOR MORRISON OF	,	773,22 349.04	28-MAR-18 28-MAR-18	773.22 349.04	Reconciled Reconciled
385697	15-MAR-18	CALIFORNIA TESTAMERICA		215.25	20-MAR-18	215,25	Reconciled
385698		LABORATORIES, INC TETRA TECH, INC		51,195.25	22-MAR-10	51,195.25	Reconciled
385 69 9 385700		THE GAS COMPANY THE NEW HOME		5,413.38 2,857.86	22-MAR-18	5,413.30	Reconciled Negotiable
363700	13-MAK-10	COMPANY SOUTHERN CALIFORNIA LLC		2,037.00			negocranio
385701		THOMAS HARDER & CO		· ·	23-MAR-18	13,488.75	Reconciled Reconciled
385702 385703		TIGER SUPPLIES INC TOLL BROS., INC.	j	834.00 8,188.17	19-MAR-18	834.00	Negotiable
385704	15-MAR-18	TROPICAL PLAZA NURSERY INC		1,918.06	19-MAR-18	1,918.06	Reconciled
385705 385706		TRUCPARCO UNITED PARCEL		222.11 39.83	23-MAR-18 19-MAR-18	222.11 39.83	Reconciled Reconciled
385707	15-MAR-18	SERVICE INC UNITED STATES		224.56	20-MAR-18	224.56	Reconciled
385708		PLASTIC CORP. VALLEYCREST		5,663.33			Negotiable
		LANDSCAPE DEVELOPMENT, INC.					
385709	15-MAR-18	VAUGHAN'S INDUSTRIAL REPAIR		600.00	20-MAR-10	600.00	Reconciled
385710	15=MAR=18	CO INC VERTECH INDUSTRIAL		4,225.00	21-MAR-18	4.225.00	Reconciled
IRWD Ledger Upgrade	10 11111 10	SYSTEMS, LLC		For 01-MAR-18 To		Report Date: 29-	
BANK: Bank of America N.A. Bank Account Currency: Payment Type: All		ch : Los Angeles		Account: Check:	ing AP and PR ency: USD (US	Page: 2	26
Payment Number Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status

Payment Document : IRWD CH		ATTOM WESTERN S.		6 004 05	20 MAP 10	6 204 25	Pagangilad
385711		VISION TECHNOLOGY SOLUTIONS, LLC		6,284.25	20-MAR-18	6,284.25	Reconciled
385712	15-MAR-18	WALSH, GERALD		46.87			Negotiable
		25					

385713	15-MAR-18	WARD, WILLIAM P		1,188.00	21-MAR-18	1,188.00	Reconciled
385714	15-MAR-18	JR. WASTE MANAGEMENT		2,156.47	19-MAR-18	2,156.47	Reconciled
385715	15-MAR-18			2,634.10	19-MAR-18	2,634.10	Reconciled
385716	15-MAR-18	TECHNOLOGIES INC WATERSMART SOFTWARE, INC		13,597.50	21-MAR-18	13,597.50	Reconciled
385717	15-MAR-18	WAXIE'S ENTERPRISES, INC		1,038.15	19-MAR-18	1,038.15	Reconciled
385718	15-MAR-18	WESTAMERICA COMMUNICATIONS, INC.		3,274.50	19-MAR-18	3,274.50	Reconciled
385719	15-MAR-18			3,719.26			Negotiable
385720	15-MAR-18		(3,867.58	20-MAR-18	3,867.58	Reconciled
385721	15-MAR-18	WINDWOOD GLEN		136.89			Negotiable
385722	15-MAR-18	WIRELESS WATCHDOGS, LLC		848.00	22-MAR-18	848.00	Reconciled
385723	15-MAR-18	WOLFGANG CHRISTOPH AND NOBUKO CHRISTOPH	f	68.81			Negotiable
385724	15-MAR-18	WOODBRIDGE WILLOWS	3	25.54			Negotiable
385725	15-MAR-18			91.00	20-MAR-18	91,00	Reconciled
385726	15-MAR-18	ZABOLOTSKIKH, ALEXEY		17.12	20-MAR-18	17.12	Reconciled
385727	15-MAR-18	ZEE MEDICAL SERVICE CO		568,53	19-MAR-18	568,53	Reconciled
385728	15-MAR-18			45.06			Negotiable
385729	16-MAR-18	IRVINE UNIFIED SCHOOL DISTRICT	SOUTHLAKE	100.00			Negotiable
385730	16-MAR-18	IRVINE UNIFIED SCHOOL DISTRICT	IRVINE	100.00			Negotiable
385731	16-MAR-18	IRVINE UNIFIED SCHOOL DISTRICT	UNIVERSITY HS	200.00			Negotiable
385732	16-MAR-18	IRVINE UNIFIED SCHOOL DISTRICT	BEACON PARK	100,00			Negotiable
385733	19-MAR-18	JCI JONES CHEMICALS INC	NEWARK	3,172.61	26-MAR-18	3,172.61	Reconciled
TRUD I - d Ud-			Dogiston Pon	01 MAD. 19 Mg	20-MAD-10	Bonort Dato: 20-	MAD_2010 15:17

CHEMICALS INC

Payment Register For 01-MAR-18 To 30-MAR-16

BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 27

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

Payment Number Seq		Supplier Name	Site Payment Amount		Cleared Amount	Status
Payment Document	: IRWD CHECK					
385734	22-MAR-18	Bennett, Ray R (Ray)	75.00			Negotiable
385735	22-MAR-18	Compton, Christine	173.42			Negotiable
385736	22-MAR-18		90.00			Negotiable
385737	22-MAR-18	Justice, Jack L (Jack)	180.00			Negotiable
385738	22-MAR-18		90.00	26-MAR-18	90.00	Reconciled
385739	22-MAR-18	Lin, Eileen (Eileen)	71.42	23-MAR-18	71.42	Reconciled
385740	22-MAR-18	Lynch, Toni Marie	116.00	22-MAR-18	116.00	Reconciled
385741	22-MAR-18	Robinson, Mitchell	116.00	ZZ PIMI TO	110.00	Negotiable
363741	22-MAR-10	S RODINSON, MITCHEII	110.00			Negotiable
385742	22-MAR-18	Steinbeck, Brandon	107.38	27-MAR-18	107.38	Reconciled
385743	22-MAR-18	ABM INDUSTRY GROUPS, LLC	740.00	26-MAR-10	740.00	Reconciled
385744	22-MAR-18	ACCURATE AIR ENGINEERING INC	968,16	27-MAR-18	968.16	Reconciled
385745	22-MAR-18	ACWA	25,000.00			Negotiable
385746	22-MAR-18	ADAM'S FALCONRY	440.00	26-MAR-18	440.00	Reconciled
303/40	22-MAN-10	SERVICE, LLC	440,00	20 mm 10	110,00	
385747	22-MAR-18	AECOM TECHNICAL SERVICES, INC.	30,532.50			Negotiable
385748	22-MAR-18	AERATION INDUSTRIES INTERNATIONAL INC	8,295.00	26-MAR-18	8,295.00	Reconciled
385749	22-MAR-18	AHNN, WILLIAM	44.62			Negotiable
385750	22-MAR-18	AMAZON CAPITAL SERVICES, INC.	22.13	26-MAR-18	22,13	Reconciled
385751	22-MAR-18	APEX LIFE SCIENCES, LLC	3,899.00	26-MAR-18	3,899.00	Reconciled
385752	22-MAR-18		1,321.17	20-MAR-18	1,321.17	Reconciled
385753	22-MAR-18		104,296.29			Negotiable
385754	22-MAR-18		450.66	27-MAR-18	450.66	Reconciled
385755	22-MAR-18	AT&T	174.02	28-MAR-18	174.02	Reconciled
385756	22-MAR-18	AT&T	10,690.12	20 mm 10	1,1102	Negotiable
385757		ATKINSON,	430.20	27-MAR-18	430.20	Reconciled
303131	22-MAK-19	AIKINDON,	430,20	Z / 1-141/- 10	430.20	RECONCILED

ANDELSON, LOYA, RUUD AND ROMO 22-MAR-18 AUTOZONE PARTS, INC.

204.27 26-MAR-18 385758

INC.

IRWD Ledger Upgrade Payment Register For Ol-MAR-18 To 30-MR-18 Report Date: 29-MAR-2018 15:17

BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 28

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

Payment Document : 10MD ORDER 22-MBA-18 XVISTA 16,937.40	Payment Documer 385759 385760		Date	Supplier Name	Site Payment Amount	Date	Cleared Amount	Status
Payment Coulment TAMO CHICK 12-MAG-10 22-MAG-10 MISTRA 16,957.40	Payment Documer 385759 385760							
TECHNOLOGIES INC	385760		CK			,,		
195760 2-MAR-16 19600 19500			22-MAR-18		16,957.40			Negotiable
Second S	385761		22-MAR-18	BAMBOO DESSERTS &	64.04			Negotiable
385762 22-48A-19 BENJAMIN, LISA 1,300.00 27-48A-19 1,300.00 Reconcile Reco			22-MAR-18	BATTERIES PLUS AND BATTERIES PLUS	2,256.77	26-MAR-18	2,256.77	Reconciled
385764 22-MAR-18 BIOMRGIC INC 12,234,85 27-MAR-18 12,234,85 Reportiable Reportable Reportab				BENJAMIN, LISA BILL'S SWEEPING				Reconciled Reconciled
March Marc				BIOMAGIC INC BLACK & VEATCH		27-MAR-18	12,234.85	Reconciled Negotiable
Megorial	385766		22-MAR-18	BORCHARD SURVEYING	4,927.50			Negotiable
Second S	385767		22-MAR-18					Negotiable
AND REAND 365770 22-MAR-18 CALIFORNIA BANK 6 22,487.92 28-MAR-18 22,487.92 Reconcise 385771 22-MAR-18 CALIFORNIA BANK 6 22,487.92 28-MAR-18 14,328.75 Reconcise 385772 22-MAR-18 CALIFORNIA BANK 7 3,524.00 1 14,328.75 Reconcise 385773 22-MAR-18 CALIFORNIA TANK 385773 22-MAR-18 CALIFORNIA 7 757X AND YEZ 385774 22-MAR-18 CALIFORNIA 7 8,896.59 26-MAR-18 8,996.59 Reconcise 385775 22-MAR-18 CALIFORNIA 7 79.00 27-MAR-18 79.00 Reconcise 385776 22-MAR-18 CALIFORNIC 7 79.00 27-MAR-18 79.00 Reconcise 385777 22-MAR-18 CALIFORNIC 7 79.00 27-MAR-18 79.00 Reconcise 385777 22-MAR-18 CALIFORNIC 7 79.00 27-MAR-18 79.00 Reconcise 385777 22-MAR-18 CALIFORNIC 7 79.00 27-MAR-18 79.00 Reconcise 385778 22-MAR-18 CALIFORNIC 7 79.00 27-MAR-18 79.00 Reconcise 385789 22-MAR-18 CALIFORNIC 7 79.00 27-MAR-18 79.00 Reconcise 385780 22-MAR-18 CALIFORNIC 7 79.00 27-MAR-18 79.00 Reconcise 385780 22-MAR-18 CALIFORNIC 7 79.00 27-MAR-18 79.00 Reconcise 385780 22-MAR-18 CALIFORNIC 7 79.00 RECONCISE 385780 22-	385768		22-MAR-18	BRITHINEE ELECTRIC				
22-HAR-18 CALIFORNIA BNNK 6 22,487.92 28-MAR-18 22,487.92 Reconciles RESTRICT RESTR	385769		22-MAR-18	AND BRAND	211.44	27-MAR-18	211.44	Reconciled
BARRICADE RENNTAL,	385770		22-MAR-18	CALIFORNIA BANK &	22,487.92	28-MAR-18	22,487.92	Reconciled
September Sept	385771		22-MAR-18	CALIFORNIA BARRICADE RENTAL,	14,328.75	27~MAR-18	14,328.75	Reconciled
385773 24-MAR-18 CANN FINNICIAL 8,996.59 26-MAR-18 8,996.59 Reconcilet SERVICES INC SERVICES INC CAPTIVE ADDIENCE 79.00 27-MAR-18 79.00 Reconcilet MARKETING INC. 17,115.98	385772		22-MAR-18	CALIFORNIA DEPARTMENT OF TAX AND FEE	3,524.00			Negotiable
22-MAR-18 CAPTIVE ADDIENCE 79.00 27-MAR-18 79.00 Reconcile	385773		22-MAR-18	CANON FINANCIAL	8,996.59	26-MAR-18	8,996.59	Reconciled
385775 22-MAR-18 CAROLLO ENGINERES, 17,115.98 Negotiable 100	385774		22-MAR-18	CAPTIVE AUDIENCE	79.00	27-MAR-18	79.00	Reconciled
Septembly Sept	385775		22-MAR-18	CAROLLO ENGINEERS,	17,115.98			Negotiable
385777	385776		22-MAR-18	CCL CONTRACTING	1,734,166.05			Negotiable
22-MAR-18 CHEN, YU SU				CDW GOVERNMENT LLC CHEM TECH		27-MAR-18	320.99	Reconciled Negotiable
385780 22-MAR-18 CHOK, YOON 45.36 26-MAR-18 45.36 Reconciled Report Jabra 29-MAR-2018 Report Jabra 29-MAR-2018 Report Jabra 29-MAR-2018 Report Jabra Report Jabra 29-MAR-2018 Report Jabra Report Jabra 29-MAR-2018 Report Jabra Report Jabra Report Jabra 29-MAR-2018 Report Jabra Re	385779		22-MAR-18		48,70	27-MAR-18	48.70	Reconciled
385791 22-MAR-18 CHUNG, ALEX 18.58 Negotiably					45,36	26-MAR-18	45.36	Reconciled
March Marc					18,58			Negotiable
Payment Paym					56,25			Negotiable
Payment Number Sequence Num Date Supplier Name Site Payment Amount Date Cleared Amount Star Payment Document: IRWD CHECK 305783	RWD Ledger Upgr BANK: Bank of A Bank Accou	merica N.A. int Currency:	Bran	Payment ch : Los Angeles	Account: Chec Payment Cur	king AP and E rency: USD	PR Page:	
Payment Number Sequence Num Date Supplier Name Site Payment Amount Date Cleared Amount Star Payment Document: IRWD CHECK 385783						Cleared		
Payment Document : IRWD CHECK 385783	Payment Number	Sequence Num	Date	Supplier Name		t Date		Statu
HEATING AND AIR, INC 385784 22-MAR-18 CONSUMERS PIPE & 2,205.11 26-MAR-18 2,205.11 Reconciles SUPPLY CO. 385785 22-MAR-18 CONTROLLED KEY 1,448.63 28-MAR-18 1,448.63 Reconciles SYSTEMS INC 385786 22-MAR-18 CONTROLLED MOTION 620.14 23-MAR-18 620.14 Reconciles SOLUTIONS, INC 385787 22-MAR-18 DATA CLEAN 534.00 27-MAR-18 534.00 Reconciles CORPORATION CORPORATION 385789 22-MAR-18 DIRECTV INC 129.98 27-MAR-18 129.98 Reconciles CORPORATION CORP								
385784 22-MAR-18 CONSUMERS PIPE 6 2,205.11 26-MAR-18 2,205.11 Reconciles SUPPLY CO.	385783		22-MAR-18	HEATING AND AIR,	210.00	23-MAR-18	210.00	Reconciled
385785 22-MAR-18 CONTROLLED KEY 1,448.63 28-MAR-18 1,448.63 Reconciles	385784		22-MAR-18	CONSUMERS PIPE &	2,205.11	26-MAR-18	2,205.11	Reconciled
385786 22-MAR-18 CONTROLLED MOTION 620.14 23-MAR-18 620.14 Reconcile SOLUTIONS, INC 385787 22-MAR-18 D & G SIGNS 2,532.75 26-MAR-18 2,532.75 Reconcile CORPORATION 27-MAR-18 534.00 Reconcile CORPORATION 27-MAR-18 129.98 Reconcile CORPORATION 27-MAR-18 129.98 Reconcile CORPORATION 27-MAR-18 129.98 Reconcile CORPORATION 28-MAR-18 28,987.40 Reconcile DISTRICT 28-MAR-18 EL TORO WATER 28,987.40 28-MAR-18 28,987.40 Reconcile DISTRICT 27-MAR-18 ENVIRONMENTAL 15,415.00 28-MAR-18 15,415.00 Reconcile ENGINEERING AND CONTRACTING, INC. 385793 22-MAR-18 EUROFINS EATON 300.00 26-MAR-18 300.00 Reconcile NANALYTICAL, INC. 385794 22-MAR-18 EXECUTIVE LIGHTING 603.42 27-MAR-18 603.42 Reconcile RECONCILE RECONCILE SECUTIVE LIGHTING 603.42 27-MAR-18 603.42 Reconcile R	385785		22-MAR-18	CONTROLLED KEY	1,448.63	28-MAR-18	1,448.63	Reconciled
385787 22-MAR-18 D & G SIGNS 2,532.75 26-MAR-18 2,532.75 Reconcile 385788 22-MAR-18 DATA CLEAN 534.00 27-MAR-18 534.00 Reconcile CORPORATION	385786		22-MAR-18	CONTROLLED MOTION	620.14	23-MAR-18	620.14	Reconciled
385788 22-MAR-18 DATA CLEAN 534.00 27-MAR-18 534.00 Reconcile CORPORATION 129.98 27-MAR-18 129.98 Reconcile 385790 22-MAR-18 EL TORO WATER 28,987.40 28-MAR-18 28,987.40 Reconcile DISTRICT 22-MAR-18 ENVIRONMENTAL 15,415.00 28-MAR-18 2,198.89 Reconcile 22-MAR-18 ENVIRONMENTAL 15,415.00 28-MAR-18 15,415.00 Reconcile 2365792 22-MAR-18 ENVIRONMENTAL 15,415.00 28-MAR-18 15,415.00 Reconcile 26 ENGINEERING AND CONTRACTING, INC. 385793 22-MAR-18 EUROFINS EATON 300.00 26-MAR-18 300.00 Reconcile 385794 22-MAR-18 EXECUTIVE LIGHTING 603.42 27-MAR-18 603.42 Reconcile 4 ELECTRIC 36 ELECTRIC 36 ANALYTICAL, INC. 36 ELECTRIC 36 ANALYTICAL 37-MAR-18 603.42 Reconcile 36 ELECTRIC 37-MAR-18 603.42 Reconcile 37-MAR-18 603.42 Reconcile 385794 22-MAR-18 EXECUTIVE LIGHTING 603.42 27-MAR-18 603.42 Reconcile 37-MAR-18 603.42 Reconcile 37-MAR-18 603.42 Reconcile 385794 385	385787		22-MAR-18		2,532.75	26-MAR-18	2,532.75	Reconciled
385789 22-MAR-18 DIRECTV INC 129.98 27-MAR-18 129.98 Reconcile 385790 22-MAR-18 EL TORO WATER 26,987.40 26-MAR-18 28,987.40 Reconcile DISTRICT 385791 22-MAR-18 EMEDCO 2,198.89 26-MAR-18 2,198.89 Reconcile EMEDCO 2,198.89 26-MAR-18 2,198.89 Reconcile ENUTRONMENTAL 15,415.00 28-MAR-18 15,415.00 Reconcile ENGINEERING AND CONTRACTING, INC. 385793 22-MAR-18 EUROFINS EATON 300.00 26-MAR-18 300.00 Reconcile ANALYTICAL, INC. 385794 22-MAR-18 EUROFINS EATON 603.42 27-MAR-18 603.42 Reconcile ENGINEERING AND 603.42 27-MAR-18 603.42 Reconcile				DATA CLEAN			534.00	Reconciled
385791 22-MAR-18 EMEDCO 2,198.89 26-MAR-18 2,198.89 Reconcile 385792 22-MAR-18 ENVIRONMENTAL 15,415.00 28-MAR-18 15,415.00 Reconcile ENGINEERING AND CONTRACTING, INC. 385793 22-MAR-18 EUROFINS EATON 300.00 26-MAR-18 300.00 Reconcile ANALYTICAL, INC. 385794 22-MAR-18 EXECUTIVE LIGHTING 603.42 27-MAR-18 603.42 Reconcile				DIRECTV INC EL TORO WATER				Reconciled Reconciled
CONTRACTING, INC. 300.00 26-MAR-18 300.00 Reconcile				EMEDCO ENVIRONMENTAL				Reconciled Reconciled
ANALYTICAL, INC. 385794 22-MAR-18 EXECUTIVE LIGHTING 6 ELECTRIC 6 ELECTRIC 6 603.42 27-MAR-18 603.42 Reconcile	385703		22-MAD-10	CONTRACTING, INC.	300 00	26-MAR-1R	300.00	Reconciled
6 ELECTRIC				ANALYTICAL, INC.				Reconciled
385795 22-MAR-18 FARWEST CORROSION 13,135.36 28-MAR-18 13,135.36 Reconcile	385795			& ELECTRIC	13,135.36			Reconciled

385796 385797	22-MAR-18 22-MAR-18	FIREWALLS.COM,		201.16 2,576.56	26-MAR-18	201.16	Reconciled Negotiable
385798	22-MAR-18	INC. FISHER SCIENTIFIC		900.78	26-MAR-18	900.78	Reconciled
385799	22-MAR-18	COMPANY LLC FITCH RATINGS,		5,000.00	27-MAR-18	5,000.00	Reconciled
385800	22-MAR-18	INC. FLEET SOLUTIONS		397.32	26-MAR-18	397,32	Reconciled
385801	22-MAR-18			710.83			Negotiable
385802	22-MAR-10	CONSTRUCTION, INC. FOOTHILL/EASTERN		4,650.00			Negotiable
385803	22-MAR-18			479.79			Negotiable
385804		CALIFORNIA INC. GEIGER BROS		154.84	26-MAR-18 26-MAR-18	154.84 2,350.77	Reconciled
385805 385806	22-MAR-18 22-MAR-18	GRAYBAR ELECTRIC		2,350.77 1,317.72		1,317.72	Reconciled Reconciled
385807 385808	22-MAR-18 22-MAR-18	COMPANY GREEN, ROCKY GU. OI		60,20 46,56			Negotiable Negotiable
IRWD Ledger Upgrade		Payment		01-MAR-18 To	man I man	Report Date: 29- Page: 3	
BANK; Bank of America N.A. Bank Account Currency Payment Type: All	: USD (US I	Oollar)	Disp	Payment Curre	ency: USD (US		
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Payment Number Sequence Nu	m Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD C					*******	************	
385809		HACH COMPANY		12,147.41			Negotiable
385810 385811	22-MAR-18			111.26 9,700.00	23-MAR-18	9,700.00	Negotiable Reconciled
385812		INC. HARMSWORTH		2,427.00			Negotiable
385813	22-MAR-18	ASSOCIATES HARPER &		2,460.00			Negotiable
		ASSOCIATES ENGINEERING INC					
385814	22-MAR-18	HARRINGTON INDUSTRIAL		1,921.57	26-MAR-18	1,921.57	Reconciled
385815	22-MAR-18	PLASTICS LLC HELPMATES STAFFING		22,040.58	27-MAR-18	22,040.58	Reconciled
385816	22-MAR-18	SERVICES HERITAGE FIELDS EL		4,044.97			Negotiable
385817	22-MAR-18	TORO, LLC HILL BROTHERS		11,552.31			Negotiable
385818		CHEMICAL COMPANY HOME DEPOT USA INC		515.75	27-MAR-18	515.75	Reconciled
385819		IDENTICARD SYSTEMS WORLDWIDE		1,189.92	27-MAR-18	1,189.92	Reconciled Reconciled
385820		INSITUFORM TECHNOLOGIES INC		8,193.75	27-MAR-18	8,193.75	
385821	22-MAR-18	IRON MOUNTAIN INFORMATION		1,422.70	26-MAR-19	1,422.78	Reconciled
385822	22-MAR-18	MANAGEMENT INC IRVINE PIPE &		495.81	26-MAR-18	495,81	Reconciled
385823	22-MAR-18	SUPPLY INC IRVINE UNIFIED		1,902.47			Negotiable
385824	22-MAR-18	SCHOOL DISTRICT JACOB & HEFNER		1,420.92			Negotiable
385825	22-MAR-18	ASSOCIATES, INC		10,751.41			Negotiable
385826	22-MAR-18	CHEMICALS INC		66.04	26-MAR-18	66.04	Reconciled
385827		SOLUTIONS INC. K HOVNANIAN		563.03 125.59			Negotiable Negotiable
385828 385829	22-MAR-18 22-MAR-18			534.00	26-MAR-18	534.00	Reconciled
385830		COMPRESSORS, INC. KAJFOSZ, CHRIS		65.11	28-MAR-18	65.11	Reconciled Negotiable
385831 385832	22-MAR-18			2,587.47 1,650.00	26-MAR-18	1,650.00 7,021.36	Reconciled
385833 385834		KIMBALL MIDWEST KLEINFELDER, INC.		7,021.36 15,355.15	26-MAR-18	,	Reconciled Negotiable
IRWD Ledger Upgrade BANK: Bank of America N.A.		ch : Los Angeles	Register Fo	r 01-MAR-18 To Account: Check	ing AP and PR	,	MAR-2018 15;17
Bank Account Currency Payment Type: All	; USD (US	Dollar)	Disp	Payment Curre lay Supplier Add	ency: USD (US ress: No	S Dollar)	
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Payment Number Sequence Nu			Site			Cleared Amount	Status
Payment Document : IRWD C							100.0000
385035	22-MAR-18	KOELLER NEBEKER CARLSON & HALUCK,		920.00	23-MAR-18	920.00	Reconciled
385836	22-MAR-19	LLP KZ MILLER		1,135.45			Negotiable
385837		CONSTRUCTION INC. LANDCARE HOLDINGS,		10,049.91			Negotiable
500001	LL .IIIV 10	INC.		10.000			,

385838	22-MAR-18	LCS TECHNOLOGIES,		2,700.00	27-MAR-18	2,700.00	Reconciled
385839	22-MAR-18	LEIGHTON GROUP		143.17	27-MAR-18	143.17	Reconciled
		LENNAR HOMES		281.80	26-MAR-18	281.80	Reconciled
385840 385841		LILLESTRAND		866.08	20-MAN-10	201.00	Negotiable
385841	22-MAK-18	LEADERSHIP		000.00			Wegociable
		CONSULTING, INC.					
205040	00 MAD 10	MARVIN GARDENS LLC		2,593.70	22-MAR-18	2,593,70	Reconciled
385842				1.83	22-MAN-10	2,393.10	Negotiable
385843	22-MAK-18	MC FADDEN-DALE INDUSTRIAL		1.03			Negociable
205244	22 MAD 10			2,655.86	26-MAR-18	2,655.86	Reconciled
385844	22-MAR-18	MC MASTER CARR SUPPLY CO		2,055,00	20-MAN-10	2,033.00	Reconciled
205045	00 MAD 10			48,70	28-MAR-18	48.70	Reconciled
385845		MERACLE, MARGARET		14,923.29	20-MW-10	40.70	Negotiable
385846	22-MAR-18	MICHAEL BAKER		14,943.29			Negotiable
		INTERNATIONAL,					
005042	00 MPD 10	INC. MISCOWATER		1,867.38	26-MAR-18	1,867,38	Reconciled
385847		MISCOWATER MORGAN, STEWART		50.00	20-PPAK-10	1,001.30	Negotiable
385848		MORTGAGE BANKERS		22.96			Negotiable
385849	22-MAR-18	OF AMERICA		22.30			Negociable
205050	00 MAD 10			20.38			Negotiable
385850		MUNDO, LUZ NAN JIANG &		34.76	27-MAR-18	34.76	Reconciled
385851	22-MAR-10	XUEJING DU		34.50	2.7-PIAIX-10	24.70	RECONCILEG
205050	22 MAD 10	NATIONAL READY		2,195.42	26-MAR-18	2,195.42	Reconciled
385852	22-MAR~18	MIXED CONCRETE CO.		2,190.42	20-MAR-10	2,193.42	Reconciled
205052	00 MAD 10	NINYO & MOORE		7,821.00	26-MAR-18	7,821,00	Reconciled
385853				80.24	20-PIMN-10	7,021.00	Negotiable
385854	22-MAR-18 22-MAR-18			9,656.80	26-MAR-18	9,656.80	Reconciled
385855 385856		OLIN CORPORATION OLSEN, KEEGAN		54.11	26-MAR-18	54.11	Reconciled
	22-MAR-18			1,121.73	20-PMN-10	34.11	Negotiable
385857	22-MAR-18			924.17	23-MAR-18	924.17	Reconciled
385858	22-MAR-16	PARTS CO		324.17	23 FIMIL TO	524.17	RECORCITE
385859		ORRICK, HERRINGTON		30,000.00	28-MAR-18	30,000.00	Reconciled
382829	22-MAR-18	& SUTCLIFFE LLP		30,000.00	20-PMN-10	30,000.00	Reconciled
385860	22 MAD 10	PACIFIC COAST BOLT		1,958.10	28-MAR-18	1,958.10	Reconciled
383800	22-MAR-10	CORP		1,550.10	20 PM TO	1,550.10	Reconciled
385861	00 MAD 10	PALMER, ASHLEY		34.27			Negotiable
				544.67	27-MAR-18	544.67	Reconciled
385862	22-MAR-18		tor For	01-MAR-18 To		Report Date: 29-	
IRWD Ledger Upgrade	Dw			Account: Check			32
BANK: Bank of America N.A.		th : Los Angeles			ency: USD (US		, ,
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Payment Type: All			птэрт	ay pubbiter waa	TCOD: MO		

Cleared Supplier Name Payment Amount Date Cleared Amount Status Payment Number Sequence Num Date Payment Document : IRWD CHECK 26-MAR-18 193.24 Reconciled 22-MAR-18 PARKWAY LAWNMOWER 193,24 385863 65,070,25 65,070.25 28-MAR-18 Reconciled 385864 22-MAR-18 PASCAL & LUDWIG CONSTRUCTORS 385865 22-MAR-18 PASCAL & LUDWIG 3,424,75 26-MAR-18 3,424.75 Reconciled CONSTRUCTORS 85,109.97 Negotiable 385866 22-MAR-18 ENGINEERING, INC. 3,547.97 27-MAR-18 3,547.97 Reconciled 22-MAR-18 PHILADELPHIA 385867 MIXING SOLUTIONS, LTD. 22-MAR-18 PINNACLE TOWERS 720.39 26-MAR-18 720.39 Reconciled 385868 LLC 22-MAR-18 PONTILLAS TRUST, 43.26 Negotiable 385869 JULIANA 78.57 78.57 26-MAR-18 Reconciled 22-MAR-18 385870 PRAXAIR DISTRIBUTION INC 7,956,44 Reconciled 7.956.44 27-MAR-18 385871 22-MAR-18 PRESTIGE AUTO BODY EXPRESS 1,250.00 PROCARE WORK
INJURY CENTER Reconciled 385872 22-MAR-18 1,250,00 27-MAR-18 385873 22-MAR-18 PRUDENTIAL OVERALL 5,577.10 23-MAR-18 5,577,18 Reconciled SUPPLY 1,097.93 28-MAR-18 1,097.93 Reconciled 385874 22-MAR-18 PTI SAND & GRAVEL 22-MAR-18 RAFTELIS FINANCIAL 3,892.50 26-MAR-18 3,892.50 Reconciled 385875 CONSULTANTS INC. 14,665.42 14,665.42 Reconciled 385876 22-MAR-18 RAM AIR 27-MAR-18 ENGINEERING INC Reconciled 385877 22-MAR-18 RANCHO MARIPOSA 12,01 28-MAR-18 12.01 APTS 385878 22-MAR-18 RANJBAR, FARAH 46.80 Negotiable 26-MAR-18 12.02 385879 22-MAR-18 RAY ROBERTS REALTY 12.02 Reconciled 385880 22-MAR-18 REFRIGERATION 494.23 Reconciled SUPPLIES DISTRIBUTOR 385881 RELIANCE SAFETY 4,350.00 28-MAR-18 4,350.00 Reconciled CONSULTANTS, INC. 385882 22-MAR-18 RELIANCE STANDARD 29,614.39 Negotiable LIFE INSURANCE COMPANY 385883 RESPONSE ENVELOPE, 2,618.33 Negotiable 22-MAR-18 TNC Negotiable 22-MAR-18 RICHARD C. SLADE & 1,584.73 385884 ASSOCIATES LLC Payment Register For 01-MAR-18 To 30-MAR-18 Report Date: 29-MAR-2018 15:17 IRWD Ledger Upgrade

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

Account: Checking AP and PR Page: 33
Payment Currency: USD (US Dollar)
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Payment Nu	mber Sequence Num	Date	Supplier Name	Site	Payment Amount		Cleared Amount	Status
	Document : IRWD CH							
385885		22-MAR-18	RICHMOND AMERICAN HOMES OF MARYLAND,		3,204.12			Negotiable
385886		22-MAR-18	INC RINCON TRUCK		9,818.72	23-MAR-18	9,818.72	Reconciled
385887		22-MAR-10	CENTER INC. RMC WATER AND		10,713.50			Negotiable
385888		22-MAR-18	ENVIRONMENT ROSEDALE - RIO BRAVO WATER		153,946.91			Negotiable
385889		22-MAR-18	STORAGE DISTRICT RS HUGHES COMPANY,		265.39	26-MAR-18	265.39	Reconciled
385890		22-MAR-18	INC. S & J SUPPLY CO		2,893.09	26-MAR-18	2,893.09	Reconciled
385891 385892			INC SALMAN, JAMAL SANTA ANA BLUE		89.12 63.85	26-MAR-18	63.85	Negotiable Reconciled
385893		22-MAR-18	PRINT SECURITAS SECURITY		47,568.48			Negotiable
385894		22-MAR-18	SERVICES USA, INC. SERFILCO LTD		6,996.03	27-MAR-18		Reconciled
385895		22-MAR-18	SHAMROCK SUPPLY CO		49.45	2/-MAR-18	49.45	Reconciled
385896		22-MAR-18	SITEONE LANDSCAPE SUPPLY, LLC		114.61	26-MAR-18	114.61	Reconciled
385897		22-MAR-18			16,308.00			Negotiable
385898		22-MAR-18	SOUTH COAST WATER		151.66			Negotiable
385899		22-MAR-18	SOUTHERN CALIFORNIA EDISON COMPANY		16.65	27-MAR-18	16.65	Reconciled
385900		22-MAR-18	SOUTHERN CALIFORNIA EDISON COMPANY		419,898.58	23-MAR-18	419,898.58	Reconciled
385901		22-MAR-18	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.		2,089.48			Negotiable
385902		22-MAR-18	SOUTHERN COUNTIES LUBRICANTS LLC		273,63	26-MAR-18	273.63	Reconciled
385903		22-MAR-18	SOUTHWESTERN		56,912.97			Negotiable
385904 385905			INDUSTRIES, INC. SPATIAL WAVE, INC. STANTEC CONSULTING		1,056.00 8,192.00	27-MAR-18 26-MAR-18	1,056.00 8,192.00	Reconciled Reconciled
385906 IRWD Ledge	er Upgrade		SERVICES INC. STARKS, LANITA Payment	Register	40.74 For 01-MAR-18 To	27-MAR-18 30-MAR-18	40.74 Report Date: 29	Reconciled -MAR-2018 15:17
Bank	nk of America N.A. Account Currency: Ayment Type: All	Brand USD (US 1	ch : Los Angeles Dollar)	Di	Account: Check Payment Curr splay Supplier Add	ency: USD	PR Page: : (US Dollar)	34
Payment Nu	umber Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment	Document : IRWD CH	ECK						
385907		22-MAR-18	STATE OF CALIFORNIA DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT		78.00			Negotiable
385908		22-MAR-18			52,444.02	28-MAR-18	52,444.02	Reconciled
385909		22-MAR-18		;	1,034.40	23-MAR-18	1,034.40	Reconciled
385910		22-MAR-18			245,419.44	28-MAR-18	245,419.44	Reconciled
385911 385912 385913 385914 385915		22-MAR-18 22-MAR-18 22-MAR-18 22-MAR-18 22-MAR-18	SUSAN A. SIROTA TAI, OWEN TALLEY INC TATE, SUSAN TESLA ASSOCIATES		4,295.00 74.04 866.18 39.88 87.55	26-MAR-18	866.18	Negotiable Negotiable Reconciled Negotiable Negotiable
385916		22-MAR-18			192.15	28-MAR-18	192.15	Reconciled
385917 385918		22-MAR-18 22-MAR-18			5,119.88 1,618.08			Negotiable Negotiable
385919		22-MAR-18	LLC		4,126.28	26-MAR-18	4,126.28	Reconciled
385920		22-MAR-18	INDUSTRIAL SUPPLY		25.06			Negotiable
385921		22-MAR-18			50,586.38	28-MAR-18	50,586.38	Reconciled

385922	22-MAR-18	TROPICAL PLAZA		802,58	26-MAR-18	802,58	Reconciled
385923 385924	22-MAR-18 22-MAR-18	NURSERY INC TRUCPARCO UNITED PARCEL		9,407.41 36.03	26-MAR-18	36,03	Negotiable Reconciled
385925		SERVICE INC UNITED SITE		478.06	28-MAR-18	478.06	Reconciled
000020		SERVICES OF CALIFORNIA INC					
385926	22-MAR-18	V&A CONSULTING ENGINEERS		1,968.00	26-MAR-18	1,968.00	Reconciled
385927	22-MAR-18	VAUGHAN'S INDUSTRIAL REPAIR CO INC		12,560.18			Negotiable
385928	22-MAR-18	VIRTUAL GRAFFITI, INC.		4,525.50	23-MAR-18	4,525.50	Reconciled
385929	22-MAR-18	WASTE MANAGEMENT OF ORANGE COUNTY		66.76	26-MAR-18	66,76	Reconciled
IRWD Ledger Upgra BANK: Bank of Am Bank Accoun Payment T	de erica N.A. Branc t Currency: USD (US D ype: All	Payment h : Los Angeles pollar)	Register I	For 01-MAR-18 To Account: Checki Payment Curre splay Supplier Addi	30-MAR-18 ing AP and PR ency: USD (ress: No	Report Date: 29 Page: US Dollar)	-MAR-2018 15:17 35
Payment Number S	equence Num Date	Supplier Name	Site	Pavment Amount	Cleared Date	Cleared Amount	Status
	t : IRWD CHECK						
385930	22-MAR-18	WAXTE'S		3,213,06	26-MAR-18	3,213,06	Reconciled
385931		ENTERPRISES, INC WECK LABORATORIES		931.00		931.00	Reconciled
385932	22-MAR-18	INC WEST YOST		13,511.00			Negotiable
385933		ASSOCIATES, INC XIE, WANGHUA		20.82			Negotiable
385934	22-MAR-18	YALE/CHASE EQUIPMENT AND SERVICES, INC.		29,433.18	28-MAR-18	29,433.18	Reconciled
385935 385936		YIN'S INC YORKE ENGINEERING		447.60 2,649.46	23-MAR-18	2,649.46	Negotiable Reconciled
385937		LLC YOSHIOKA, ANDREW		17.93	26-MAR-18	17.93	Reconciled
385938 385939	22-MAR-18	ZHANG, HAO	P.O. BOX	94.47 2,500.00			Negotiable Negotiable
		CALIFORNIA EDISON COMPANY	800				
385940		Davis, Jennifer R (Jennifer)		213.09			Negotiable
385941		Hoffman, Michael S (Mike)	5	180.00			Negotiable
385942 385943	28-MAR-18	Lao, Richard S Reed, James B		98.00 17.00 56,777.00			Negotiable Negotiable Negotiable
385944		A&Y ASPHALT CONTRACTORS, INC. A&Y COMPANY INC		11,077.00			Negotiable
385945 385946 385947	28-MAR-1θ			500.00 14,457.00			Negotiable Negotiable
385948		MANAGEMENT, INC. AFA USA LLC		59.80			Negotiable
385949		AHMADISATARI, POURANDOKHT		55.42			Negotiable
385950	28-MAR-18	AIR TECHNOLOGY LABORATORIES		289,00			Negotiable
385951 385952		ALFREY, MICHAEL ALI, SHAHEEN		48.14 81.30			Negotiable Negotiable
385953 385954		ALLEN, JUSTIN ALLISON, PAULINE		34.11 62.06			Negotiable Negotiable
385955		ALPHA TRAFFIC SERVICES, INC.		620.00			Negotiable
385956 385957	28-MAR-18	ALSTON & BIRD LLP AMEERALLY, NAGLA		126,361.18 111.80			Negotiable Negotiable
385958	28-MAR-18	AMEY, CINDY		46.92			Negotiable
385959 385960		AMIRI, OZRA ANANT, FARAH		23.68 51.70			Negotiable Negotiable
IRWD Ledger Upgra BANK: Bank of Am Bank Accoun Payment T	erica N.A. Brand t Currency: USD (US 1	Payment ch : Los Angeles Collar)		For 01-MAR-18 To Account: Check Payment Curr splay Supplier Add	ing AP and PE ency: USD (Report Date: 29 Report Page: US Dollar)	-MAR-2018 15:17 36
Payment Number S	equence Num Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Documen	t : IRWD CHECK						
385961		ANDERSON, SARAH		41.05			Negotiable
385962 385963		ANDRY, AMY ANSELMO, CHAD		44.95 33.01			Negotiable Negotiable
385964	28-MAR-18	ANTRIM, PATRICK		19,62			Negotiable
385965 385966		APCO GRAPHICS INC APEX LIFE		155.83 1,190.00			Negotiable Negotiable
385967		SCIENCES, LLC ARCADIS U.S., INC		69,651.28			Negotiable
385968	28-MAR-18	ARMORCAST PRODUCT: COMPANY	S	6,984.36			Negotiable

385969	28-MAR-18	ARRIOLA, NICOLAS	25.93	Negotiable
385970	28-MAR-18	ASABUSHI, JULIAN	32.33	Negotiable
385971	28-MAR-18	AT&T	248.47	Negotiable
385972	28-MAR-18	AT&T	53,74	Negotiable
385973	28-MAR-18	ATES, BEHLUL	40.70	Negotiable
385974	28-MAR-18	AULT, JOHN	170.00	Negotiable
385975	28-MAR-18	AUTOZONE PARTS,	1,011.07	Negotiable
		INC.		
385976	28-MAR-18	AVSAROGLU, AHMET	26.93	Negotiable
385977	28-MAR-18	AXELSEN, SANDRA	26.81	Negotiable
385978	28-MAR-18	AYERS, WANDA	64.55	Negotiable
385979	28-MAR-18	BADDORF, DONALD	222,09	Negotiable
385980	28-MAR-18	BAI, LYDIA	134.12	Negotiable
385981	28-MAR-18	BALAZS, LINDA	55.12	Negotiable
385982	28-MAR-18	BANITABA, LILI	39,68	Negotiable
385983	28-MAR-18	BARCELON, GLENN	20.11	Negotiable
385984	28-MAR-18	BARRAGAN, MARIA	33.68	Negotiable
385985	28-MAR-18	BASEGGIO, SONDRA	49.78	Negotiable
385986	28-MAR-18	BASIT, ABDUL	36,86	Negotiable
385987	28-MAR-18	BASU, TANUKA	32.64	Negotiable
385988	28-MAR-18	BASULTO, ERNIE	72.50	Negotiable
385989	28-MAR-18	BATTERIES PLUS AND	1,106.22	Negotiable
		BATTERIES PLUS		
		BULBS		
385990	28-MAR-18	BAUMAN, LAURENCE	30,54	Negotiable
385991	28-MAR-18	BAVCO BACKFLOW	546.20	Negotiable
		APPARATUS & VALVE		
		COMPANY		
385992	28-MAR-18	BDC SPECIAL WASTE	336.00	Negotiable
385993	28-MAR-18	BEAUVIL, RICHARD	11.27	Negotiable
385994	28-WAK-18	BEHESHTI, SAYEH	66.82	Neyotiable
385995	28-MAR-18	BEN'S ASPHALT &	67.32	Negotiable
		MAINTENANCE CO		
385996	28-MAR-18	BETHARD, JEFF	49.04	Negotiable
385997	28-MAR-18		44.80	Negotiable
IRWD Ledger Upgrade		Payment	Register For 01-MAR-18 To 30-MAR-18	Report Date: 29-MAR-2018 15:17
BANK: Bank of America N.A.	Branc	h : Los Angeles	Account: Checking AP and PR	
Bank Account Currency:	USD (US D	ollar)	Payment Currency: USD (US Dollar)
Payment Type: All			Display Supplier Address: No	

Payment Number Sequen	ce Num Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amoun	
Payment Document : I							
385998	28-MAR-18	BILL'S SWEEPING SERVICE INC		900,00			Negotiable
385999	28-MAR-18			146.22			Negotiable
386000	28-MAR-18			3,782.03			Negotiable
386001	28-MAR-18			217.36			Negotiable
386002	28-MAR-18			13,58			Negotiable
386003	28-MAR-18			40.84			Negotiable
386004	28-MAR-18			19,19			Negotiable
386005	28-MAR-18			324.12			Negotiable
386006	28-MAR-18			357.56			Negotiable
386007	28-MAR-18			37.16			Negotiable
386008	28-MAR-18			33.21			Negotiable
386009	28-MAR-18	BRADSTREET, JENNIFER		10.90			Negotiable
386010	28-MAR-18	BRENNTAG PACIFIC		18,865.41			Negotiable
386011	28-MAR-18	BROOKFIELD RESIDENTIAL		67.20			Negotiable
386012	28-MAR-18	BROWN, CHARLINE		238.48			Negotiable
386013	28-MAR-18	BRYANT, VENZIWE		66.06			Negotiable
386014	28-MAR-18			49.99			Negotiable
386015	28-MAR-18			30.93			Negotiable
386016	28-MAR-18	BUNDSCHUH, RANDY		32.91			Negotiable
386017	28-MAR-18			359.42			Negotiable
386018	28-MAR-18			38.34			Negotiable
386019	28-MAR-18			34.34			Negotiable
386020	28-MAR-18			4,339.76			Negotiable
386021	28-MAR-18	CALIFORNIA MUNICIPAL STATISTICS INC		3,525.00			Negotiable
386022	28-MAR-18			26.34			Negotiable
386023	28-MAR-18			468.06			Negotiable
386024	28-MAR-18	CARESS, JACK		29.66			Negotiable
386025	28-MAR-18			62 - 68			Negotiable
386026	28-MAR-18	CAROLLO ENGINEERS,		15,690.53			Negotiable
386027	28-MAR-18			40,92			Negotiable
386028	28-MAR-18			158.91			Negotiable
386029	28-MAR-18			22.13			Negotiable
386030		CETIN, BELI		37,80			Negotiable
386031		CHAMBERS, JOYCE		85,99			Negotiable
IRWD Ledger Upgrade	20 144 10		Register For	01-MAR-18 To	30-MAR-18	Report Date:	29-MAR-2018 15:1
BANK: Bank of America	N.A. Brand			Account: Check			38
	rency: USD (US)				ency: USD (

Display Supplier Address: No

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Payment Number				Site Payment Amount		Cleared Amount	Status
	ent : IRWD CH						
rayment bocam	iene . Innb on	LCR					
386032		28-MAR-18	CHAMPION PAVING	347.10			Negotiable
			INC				
386033		28-MAR-18	CHANG, CHIN SHENG	34.57			Negotiable
386034		28-MAR-18	CHANG, FRANCES	26.12			Negotiable
386035		28-MAR-18	CHANG, WILLIAM	26.78			Negotiable
386036		28-MAR-18		37.68			Negotiable
386037		28-MAR-18		17,962.92			Negotiable
			COMPANY INC	= 10			-
386038		20-MAR-18	CHEHAB, MOHAMAD	13,47			Negotiable
386039		28-MAR-18	CHEM TECH	9,303.92			Negotiable
			INTERNATIONAL INC				
386040		28-MAR-18	CHEN, DONG	54,32			Negotiable
386041			CHEN, HSIAOCHUNG	41.89			Negotiable
386042		28-MAR-18		38,46			Negotiable
386043		28-MAR-18		149.25			Negotiable
386044		28-MAR-18	CHEN, YUN	31.11			Negotiable
386045		28-MAR-18		27.26			Negotiable
386046		28-MAR-18		36.09			Negotiable
386047		28-MAR-18		24.50			Negotiable
386048		28-MAR-18	,	43.55			Negotiable
386049	*	28~MAR-18		22.30			Negotiable
386050		28-MAR-18		59.10			Negotiable
386051		28-MAR-18		41.62			Negotiable
386052		28-MAR-18		14.75			Negotiable
555552		~	JOANNE	14.73			"ICACCTUDIE
386053		28-MAD-10	CHRISTUS, MATTHEW	21,35			Negotiable
386054		28-MAR-18		130.17			
							Negotiable
386055		28-MAR-18		1,107.10			Negotiable
206056		20 MAR 10	BEACH OF ORANGE				Manufalor
386056			CITY OF ORANGE	114.00			Negotiable
386057			CITY OF SANTA ANA	110.46			Negotiable
386058			CLA-VAL COMPANY	10,064.08			Negotiable
386059		28-MAR-18		54.46			Negotiable
386060		28-MAR-18		30,36			Negotiable
386061		28-MAR-18	COLE-PARMER	939.73			Negotiable
			INSTRUMENT CO				
386062			COLLIER, PAUL	11.96			Negotiable
386063		28-MAR-18		82.64			Negotiable
			APTS				
386064			CONGER, DAVID	50.07			Negotiable
386065		28-MAR-18		69.97			Negotiable
386066		28-MAR-18	CONSOLIDATED	2,575.86			Negotiable
							,
			CONTRACTING				,
			SERVICES, INC.				
IRWD Ledger Upg			SERVICES, INC. Payment	Register For 01-MAR-18 To		Report Date; 29-	MAR-2018 15:17
BANK: Bank of	America N.A.		SERVICES, INC. Payment ch ; Los Angeles	Account: Check	ing AP and P	R Page: 3	MAR-2018 15:17
BANK: Bank of Bank Acco	America N.A. ount Currency:		SERVICES, INC. Payment	Account: Check Payment Curr	ing AP and Pency: USD (R Page: 3	MAR-2018 15:17
BANK: Bank of Bank Acco	America N.A.		SERVICES, INC. Payment ch ; Los Angeles	Account: Check	ing AP and Pency: USD (R Page: 3	MAR-2018 15:17
BANK: Bank of Bank Acco	America N.A. ount Currency:		SERVICES, INC. Payment ch ; Los Angeles	Account: Check Payment Curr	ing AP and Pency: USD (R Page: 3	MAR-2018 15:17
BANK: Bank of Bank Acco Payment	America N.A. ount Currency: Type: All	USD (US I	SERVICES, INC. Payment th : Los Angeles collar)	Account: Check Payment Curr	ing AP and Pency: USD (R Page: 3	MAR-2018 15:17
BANK: Bank of Bank Acco Payment Payment Number	America N.A. ount Currency: Type: All	USD (US I	SERVICES, INC. Payment th: Los Angeles Collar) Supplier Name	Account: Check Payment Curr Display Supplier Add	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17
BANK: Bank of Bank Acco Payment	America N.A. ount Currency: Type: All	USD (US I	SERVICES, INC. Payment th: Los Angeles Collar) Supplier Name	Account: Check Payment Curr Display Supplier Add	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar)	MAR-2018 15:17 9
BANK: Bank of Bank Acco Payment	America N.A. ount Currency: Type: All	USD (US I	SERVICES, INC. Payment th: Los Angeles Collar) Supplier Name	Account: Check Payment Curr Display Supplier Add	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status
BANK: Bank of Bank Acco Payment Payment Number Payment Docum	America N.A. ount Currency: Type: All	USD (US I Date ECK	SERVICES, INC. Payment th: Los Angeles Collar) Supplier Name	Account: Check Payment Curr Display Supplier Add	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status
BANK: Bank of Bank Acco Payment	America N.A. ount Currency: Type: All	USD (US I	SERVICES, INC. Payment ch : Los Angeles collar) Supplier Name	Account: Check Payment Curr Display Supplier Add	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status
BANK: Bank of Bank Acco Payment Payment Number Payment Docum	America N.A. ount Currency: Type: All	USD (US I Date ECK	SERVICES, INC. Payment th : Los Angeles bollar) Supplier Name COX COMMUNICATIONS,	Account: Check Payment Curr Display Supplier Add	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status
BANK: Bank of Bank Acco Payment Payment Number Payment Docum 386067	America N.A. ount Currency: Type: All	USD (US I Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles Collar) Supplier Name COX COMMUNICATIONS, INC.	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status
BANK: Bank of Bank Acco Payment Payment Number Payment Docum	America N.A. ount Currency: Type: All	USD (US I Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH	Account: Check Payment Curr Display Supplier Add	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status
Payment Number Payment Docum 386067	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment th: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable
BANK: Bank of Bank Acco Payment Payment Number Payment Docum 386067 386068 386069	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles Collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable
BANK: Bank of Bank Acco Payment Payment Number Payment Docum 386067 386068 386069 386070	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable Negotiable
BANK: Bank of Bank Acco Payment Payment Number Payment Docum 386067 386068 386069	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable
Payment Number Payment Docum 386067 386068 386069 386070 386071	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable Negotiable Negotiable
Payment Number Payment Docum 386067 386068 386069 386070 386071	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
Payment Number Payment Docum 386067 386068 386069 386070 386071	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment th: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable Negotiable Negotiable
Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
Payment Number Payment Docum 386067 386068 386069 386070 386071	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN & WAKEFIELD OF CA D & H WATER	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
Payment Number Payment Number Payment Docum 386067 386069 386070 386071 386072 386073	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN & WAKEFIELD OF CA D & H WATER SYSTEMS INC.	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
Payment Number Payment Number Payment Docum 386067 386069 386070 386071 386072 386073 386074 386075 386076 386077	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D & H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIS, DEBORAH	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386076 386077 386078	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JEBORAH DAVIS, JARRED	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386077 386077 386078 386079	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEBCON, JANET	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386076 386077 386078	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386072 386073 386074 386075 386076 386077 386078 386079 386079 386079 386079 386080 386080	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET DEBOSKEY, ANGELA DEBRICK, JESSICA	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386076 386077 386078 386079 386079	America N.A. ount Currency: Type: All	Date Date 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JERRED DEACON, JANET DEBOSKEY, ANGELA	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386072 386073 386074 386075 386076 386077 386078 386079 386079 386079 386079 386080 386080	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET DEBOSKEY, ANGELA DEBRICK, JESSICA	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386077 386078 386078 386079 386080 386081 386082	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET DEBOSKEY, ANGELA DEBLEMARKETING LP	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34 5,355.54	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386077 386078 386078 386079 386080 386081 386082	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLIGAN OF SANTA ANA CULLIGAN OF CAD DA & H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DERACN, JANET DEBOSKEY, ANGELA DEBORICK, JESSICA DENLAL WATER	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34 5,355.54	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386076 386077 386078 386079 386079 386080 386081 386082 386083	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET DEBOSKEY, ANGELA DEBNALI WATER SOLUTIONS LLC	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34 5,355.54 5,040.68	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386077 386078 386079 386080 386081 386082 386083	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN & WAKEFIELD OF CA D & H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET DEBOSKEY, ANGELA DEBRICK, JESSICA DELL MARKETING LP DENALI WATER SOLUTIONS LLC DESOLA, MATT DEVRIES, TIM	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34 5,355.54 5,040.68	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386076 386077 386078 386079 386080 386080 386080 386080 386084 386084 386084	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET DEBOSKEY, ANGELA DELI MARKETING LP DEMALI WATER SOLUTIONS LLC DESOLA, MATT DEWAR, JOAN E	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34 5,355.54 5,040.68 71.29 58.48 29.10	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386076 386077 386078 386080 386081 386082 386083 386084 386085 386086 386087	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET DEBOSKEY, ANGELA DEBOSKEY, ANGELA DELL MARKETING LP DENALI WATER SOLUTIONS LLC DESOLA, MATT DEWRIES, TIM DEWAR, JOAN E DIRECTY INC	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34 5,355.54 5,040.68 71.29 58.48 29.10 125.53	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386076 386077 386078 386079 386080 386081 386082 386083 386084 386085 386086 386087 386086	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN & WAKEFIELD OF CA D & H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET DEBOSKEY, ANGELA DEDRICK, JESSICA DELL MARKETING LP DENALL WATER SOLUTIONS LLC DESOLA, MATT DEWRIES, TIM DEWAR, JOAN E DIRECTY INC DISANTO, JOHN	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34 5,355.54 5,040.68 71.29 58.48 29.10 125.53 86.74	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386076 386077 386078 386080 386081 386082 386083 386084 386085 386086 386087	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET DEBOSKEY, ANGELA DELI MARKETING LP DENALI WATER SOLUTIONS LLC DESOLA, MATT DEVRIES, TIM DEWAR, JOAN E DIRECTY INC DISANTO, JOHN DISCOUNT COURIER	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34 5,355.54 5,040.68 71.29 58.48 29.10 125.53	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386076 386079 386080 386081 386082 386083 386084 386085 386086 386086 386086 386087 386088	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET DEBOSKEY, ANGELA DEDALI WATER SOLUTIONS LLC DESOLA, MATT DEWRIES, TIM DEWAR, JOAN E DIRECTV INC DISANTO, JOHN DISCOUNT COURIER SERVICE	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34 5,355.54 5,040.68 71.29 58.48 29.10 125.53 86.74 257.37	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable Negotiable
Payment Number Payment Number Payment Docum 386067 386068 386069 386070 386071 386072 386073 386074 386075 386076 386077 386078 386079 386080 386081 386082 386083 386084 386085 386086 386087 386086	America N.A. ount Currency: Type: All	Date ECK 28-MAR-18 28-MAR-18	SERVICES, INC. Payment ch: Los Angeles collar) Supplier Name COX COMMUNICATIONS, INC. CRAMER FISH SCIENCES CROOK, KIMBERLY CUESTA, ERIC CULLIGAN OF SANTA ANA CULLINEN, JERRY CUSHMAN 6 WAKEFIELD OF CA D 6 H WATER SYSTEMS INC. DANG, ANDREW DAVIDSON, SHELBY DAVIDSON, SHELBY DAVIS, DEBORAH DAVIS, JARRED DEACON, JANET DEBOSKEY, ANGELA DELI MARKETING LP DENALI WATER SOLUTIONS LLC DESOLA, MATT DEVRIES, TIM DEWAR, JOAN E DIRECTY INC DISANTO, JOHN DISCOUNT COURIER	Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,383.92 20,188.25 12.26 20.64 8,000.00 138.48 1,212.80 6,284.12 51.35 43.73 26.12 40.88 798.54 86.66 228.34 5,355.54 5,040.68 71.29 58.48 29.10 125.53 86.74	ring AP and P rency: USD (lress: No Cleared Date	R Page: 3 US Dollar) Cleared Amount	MAR-2018 15:17 9 Status Negotiable

386091		DORMAN, BOBBY	32.74		Negotiable
386092	28-MAR-18	SERVICES, INC.	1,723.95		Negotiable
386093 386094		DOYLE, MEGHAN DU, HONGLIN	37.44 33.17		Negotiable Negotiable
386095		DUMAS, SRARAH	50.16		Negotiable
386096	28-MAR-18	DYNAMICS AUTOSPORT, INC	70.71		Negotiable
386097	28-MAR-18	EID, MIRIAM	37.64		Negotiable
386098 386099		ELABRA INC ELECNOR BELCO	936.91 1,706.13		Negotiable Negotiable
		ELECTRIC, INC.			-
386100 386101	28-MAR-18 28-MAR-18	ELHAREZI, DANIAH ENEIX, BRENT	162.00 33.89		Negotiable Negotiable
				30-MAR-18 Report Date: 2	
BANK: Bank of America N Bank Account Curre	.A. Branch ncy: USD (US Do	l: Los Angeles llar)	Account: Check Payment Curr	ing AP and PR Page: ency: USD (US Dollar)	40
Payment Type: All	L		Display Supplier Add	30-MAR-18 Report Date: 2 ing AP and PR Page: ency: USD (US Dollar) ress: No	
Payment Number Sequence	Num Date S	Supplier Name	Site Payment Amount	Cleared Date Cleared Amount	Status
Payment Document : IRW	O CHECK				
386102		ENTERPRISE	16,473.99		Negotiable
386103	28-MAR-18	RIDESHARE ENTERPRISE	5,893.76		Negotiable
386104	28-MAR-18	SECURITY, INC ENVIRONMENTAL	404.02		Negotiable
		RESOURCE			
386105	28-MAR-18	ASSOCIATES ESSAYLI, BILAL	42.92		Negotiable
386106	28-MAR-18	EXECUTIVE LIGHTING	8,012.84		Negotiable
386107	28-MAR-18	& ELECTRIC EYNON, JEFF	29.45		Negotiable
386108		FAMILY MEDICAL CENTER	83,55		Negotiable
386109	28-MAR-18	FEDEX	318.67		Negotiable
386110 386111		FERRANTE, BARBARA FIONA HUTTON &	42.99 19,844.54		Negotiable Negotiable
		ASSOCIATES, INC.			
386112		FIRE EXTINGUISHING SAFETY & SERVICE			Negotiable
386113	28-MAR-18	FIRST CHOICE	1,597.04		Negotiable
386114	28-MAR-18	SERVICES FISCHBEIN, BRIAN	73.60		Negotiable
386115 386116	28-MAR-18	FISERV FISHER SCIENTIFIC	285.40 361.74		Negotiable Negotiable
		COMPANY LLC			
386117		FITCH RATINGS, INC.	2,000.00		Negotiable
386118	28-MAR-18	FLOOD, REBECCA	38.25		Negotiable
386119 386120		FOSTER, JOHN FOSTER, ROBERT	73.60 34.31		Negotiable Negotiable
386121	28-MAR-18	FRAZIER, AMANDA	10.66		Negotiable Negotiable
386122 386123	28-MAR-18	FREEDMAN, JAY FRONTIER	45.66 100.14		Negotiable
386124	28-MAR-18	CALIFORNIA INC. FUJII, ANDREW	37.26		Negotiable
386125	28-MAR-18	GAHNG, BETTY	14.44		Negotiable
386126 386127		GANAHL LUMBER CO. GARCIA, ALAN	309.11 35.07		Negotiable Negotiable
386128		GARZA INDUSTRIES,	1,604.99		Negotiable
386129	20-MAR-18	INC GCI CONSTRUCTION,	3,237.72		Negotiable
386130	28-MAR-18	INC. GEIGER BROS	487.30		Negotiable
386131		GENTERRA	1,885.50		Negotiable
IRWD Ledger Upgrade		CONSULTANTS INC	Register For 01-MAR-18 To	30-MAR-18 Report Date: 2	9-MAR-2018 15:17
BANK: Bank of America N		: Los Angeles	Account: Check	ing AP and PR Page:	41
Bank Account Currer Payment Type: Al:		ollar)	Payment Curr Display Supplier Add	ency: USD (US Dollar) ress: No	
				Cleared	
Payment Number Sequence		upplier Name	Site Payment Amount		Status
Payment Document : IRW					
386132	28-MAR-18	GHAMARIFARD,	65,62		Negotiable
		FARIBORC			
386133 386134		GIBBS, GREGG GILBERT, LUCAS	40.13 37.02		Negotiable Negotiable
386135	28-MAR-18	GIM, HONGRAE	42.14		Negotiable
386136	28-MAR-18	GJ AUTOMOTIVE EQUIPMENT CO INC	1,813.43		Negotiable
386137 386138		GLASER, BRAD	164.19 48.24		Negotiable Negotiable
386138 386139		GNIEWEK, RAYMOND GOLDMAN, ALFREDO	48.24 37.68		Negotiable Negotiable
386140 386141		GONZALES, JOAN GOSLA, SAEED	44.11 28.29		Negotiable Negotiable
386142	20-MAR-18	GRAHAM, STEVEN	57.20		Negotiable
386143	28-MAR-18		2,462.85		Negotiable

386144	28-MAR-18	GRANDY, LEONARD A	33.84		Negotiable
386145	28-MAR-18	GRECO, MARK	21.21		Negotiable
386146	28-MAR-18	GRIFFITH,	38.30		Negotiable
		CATHERINE			
386147	2B-MAR-18	GRONWALD, HARVEY	21.49		Negotiable
386148	28-MAR-18	GU, BINGZHU	46.87		Negotiable
386149	28-MAR-18	GUIDA SURVEYING	5,871.40		Negotiable
		INC.			
386150	28-MAR-18	GUILLEN, PATRICK	29.92		Negotiable
386151	28-MAR-18	GUO, WENYING	102.71		Negotiable
386152	28-MAR-18	GUPTA, SAMIK	27.89		Negotiable
386153	28-MAR-18	HACH COMPANY	1,423.05		Negotiable
386154	28-MAR-18	HACKEN, MICHAEL	88,84		Negotiable
386155	28-MAR-18	HAGEMEIER, NATHAN	20.85		Negotiable
386156	28-MAR-18	HALLSTEN	48,829.50		Negotiable
		CORPORATION			
386157	28-MAR-18	HALUNKA, MARY	38.19		Negotiable
386158	28-MAR-18	HAMILTON, LORI	86,84		Negotiable
386159	28-MAR-18	HAN, SEUNG HO	34.52		Negotiable
386160	28-MAR-18	HARINDRAN, VIKRAM	35.96		Negotiable
386161	28-MAR-18	HARRINGTON	8,595.33		Negotiable
		INDUSTRIAL			
		PLASTICS LLC			
386162	28-MAR-18	HARRIS, JOCELYN	33.01		Negotiable
386163	28-MAR-18	HARVARD COURT	68,07		Negotiable
		APARTMENTS			
386164	28-MAR-18	HARVEY, GREG	90.09		Negotiable
386165	28-MAR-18	HASLAUER, JEFFREY	63,19		Negotiable
386166	28-MAR-18	HASPERT, ELIZABETH	27.12		Negotiable
386167	28-MAR-18	HASSAN, ISTERLIN	81.52		Negotiable
386168	28-MAK-18	HATAGO, PAUL Y	35.37		Negotiable
386169	28-MAR-18	HAYES, DAVID	18.36		Negotiable
IRWD Ledger Upgrade		Payment Register F	or 01-MAR-18 To 30-MAR-18	Report Date:	29-MAR-2018 15:17
BANK: Bank of America N.A.		h ; Los Angeles	Account: Checking AP and PR		42
Bank Account Currency:	USD (US D		Payment Currency: USD (US Dollar)	
Payment Type: All		Dis	play Supplier Address: No		

					Cleared		
Payment Number Sequence Num	Date	Supplier Name	Site Pa	yment Amount	Date	Cleared Amour	
Payment Document : IRWD CH							
386170	28-MAR-18	HDR ENGINEERING		54,524.85			Negotiable
386171	28-MAR-18			94.15			Negotiable
386172	28-MAR-18			26.33			Negotiable
386173		HELPMATES STAFFING SERVICES					Negotiable
386174	28-MAR-18			52.99			Negotiable
386175	28-MAR-18	HERITAGE FIELDS EL TORO, LLC		238,156.16			Negotiable
386176	28-MAR-18	HERNANDEZ, TANYA		161,98			Negotiable
386177	28-MAR-18			29.73			Negotiable
386178	28-MAR-18	HERRMANN, JULIA		11.41			Negotiable
386179	28-MAR-18	HICKEY, MATTHEW		39.08			Negotiable
386180		HIEGER, NATHAN		35.29			Negotiable
386181	28-MAR-18	HILL BROTHERS CHEMICAL COMPANY		15,446.11			Negotiable
386182	28-MAR-18	HO, HAO		44,85			Negotiable
386183	28-MAR-18	HOFMAN, MARIA		46.05			Negotiable
386184	28-MAR-18	HOLDEN, JAMES M		29.10			Negotiable
386185	28-MAR-18	HOLLAND, CASSANDRA		14.18			Negotiable
386186	28-MAR-18	HOLSTE, MARION L		34.33			Negotiable
386187	28-MAR-18	HOME DEPOT USA INC		388.27			Negotiable
386188	28-MAR-18	HONG, JUN		20,63			Negotiable
386189	28-MAR-18	HOVSEPIAN, JOANN		25.92			Negotiable
386190	28-MAR-18	HSU, JAMES		32.80			Negotiable
386191	28-MAR-18	HSU, SHERRY		52.45			Negotiable
386192	28-MAR-18	HU, SHUYANG		26.32			Negotiable
386193	28-MAR-18	HUMPHREYS, MICHELLE		75.38			Negotiable
386194	28-MAR-18	HUMPHREYS, TYLER		37.65			Negotiable
386195	28-MAR-18	HUNT, RAY		68,32			Negotiable
386196	28-MAR-18	HUNTER, CASSANDRA		31.23			Negotiable
386197	28-MAR-18	HYDRANAUTICS		67,572.24			Negotiable
386198	28-MAR-18	IBM CORPORATION		3,201.00			Negotiable
386199	28-MAR-18	ICHIKAWA, NATHUD		55.42			Negotiable
386200	28-MAR-18	INDUSTRIAL METAL SUPPLY CO		98.38			Negotiable
386201	28-MAR-18	INFOSYS LIMITED		22,880,00			Negotiable
386202	28-MAR-18	INTEGRITY IT SOLUTIONS INC.		2,100.00			Negotiable
386203	28-MAR-18	IRVINE PIPE & SUPPLY INC		50,60			Negotiable
386204	28-MAR-18	IRWD-PETTY CASH CUSTODIAN		1,097.43			Negotiable
386205	28-MAR-18	ISEN, BRUCE A		72.08			Negotiable
386206	28-MAR-18	JACKSON, STEFANI		37.49			Negotiable
IRWD Ledger Upgrade		Payment	Register For 0	1-MAR-18 To	30-MAR-18	Report Date:	29-MAR-2018 15:17
BANK: Bank of America N.A.	Brand	ch : Los Angeles	Ac	count: Check	ing AP and PR	Page:	43
Bank Account Currency: Payment Type: All	USD (US I	Dollar)		Payment Curr Supplier Add	ency: USD (US ress: No	Dollar)	

Express Document Individual Document	Payment Number Sequence Num	Date	Supplier Name	Site Payment Amount	Cleared	Cleared Amount	Status
1962.00							
	Payment Document : IRWD CH	ECK					
No. No.							
	386208	28-MAR-18		19.06			Negotiable
	386209	28-MAR-18	JCI JONES	5,468.90			Negotiable
180211	386210	28-MAR-18		72 03			Nogotiable
Second Personal							
385215 23-040-19 DODUMN, ADMINT 64.22 Reportable Reportabl							
385215 23-040-19 DODUMN, ADMINT 64.22 Reportable Reportabl				28,49			
385215 23-040-19 DODUMN, ADMINT 64.22 Reportable Reportabl				2,441.36			
396221			JOKHAN, ANJINI	64.22			
336221			JUNG, LAURA	50.71			
396221			KADAN, BOB	20.34			
396221			KASS, SALLY	79.16			,
1862224 28-MAR-18 RILLEY, PERSON 54,44 Reportable			KATO, LINDA	17.45			Negotiable
386224							
386225							
386227 28-MAN-18 KIEMAN JANA 106.79 Negotiable 386228 28-MAN-18 KIETMANN TAWN 31.88 Negotiable 386228 28-MAN-18 KIL, RICHARD 23.23 Negotiable 386231 28-MAN-18 KIL, RICHARD 37.05 Negotiable 386232 28-MAN-18 KIM, JIMON 37.05 Negotiable 386233 28-MAN-18 KIM, JIMON 37.05 Negotiable 386233 28-MAN-18 KIM, JIMON 37.05 Negotiable 386235 28-MAN-18 KIM, JIMON 37.05 Negotiable 386235 28-MAN-18 KIM, JIMON 37.05 Negotiable 386236 28-MAN-18 KIM, JIMON 37.15 Negotiable 386237 28-MAN-18 KIM, JIMON 37.17 Negotiable 386237 28-MAN-18 KIM, SAMN 77.17 Negotiable 386237 28-MAN-18 KIM, SAMN 77.17 Negotiable 386240 28-MAN-18 KIM, SAMN 77.17 Negotiable 386244 28-MAN-18 KIMSLEY, RETAIN 76.25 Negotiable 386244 28-MAN-18 KIMSLEY, RETAIN 76.25 Negotiable 386244 28-MAN-18 KIMSLEY, RETAIN 76.25 Negotiable 386244 28-MAN-18 KIMSCHEMNANN, 10.02 Negotiable Negotiable 386244 28-MAN-18 KIMSCHEMNANN, 10.02 Negotiable Negotiabl	386225						
386228			,				
396229							-
386230 28-MAR-16 KILIAN, MICHELLE 72,07 Negotiable 386231 28-MAR-16 KIM, JUNG 77,05 Negotiable 360233 28-MAR-16 KIM, JUNG 75,33 Negotiable 360233 28-MAR-16 KIM, JUNG 71,57 Negotiable 360238 28-MAR-16 KIM, JUNG 72,17 Negotiable 360238 28-MAR-16 KIM, JUNG 72,15 Negotiable 360239 28-MAR-16 KIM, JUNG 72,15 Negotiable 360239 28-MAR-16 KIM, JUNG 76,22 Negotiable 360239 28-MAR-16 KIM, JUNG 76,22 Negotiable			·				
396232							Negotiable
386233 28-MAR-18 KIM, JINSOK							
366234							
366236 28-MAR-18 KIM, SAMAN 77-17 Negotiable			KIM, JOHN	33.23			
386237 28-MAR-18 KIM, SOMYNING 32.15 Negotiable							
386238							
366240							
386241							
28-MAR-18 KIRSCHENNANN 100.02 Megotiable			,				-
DANIEL SQ. RICHARD SQ. R							
Negotiable Neg	206042	00 MTD 10					
386245 28-MAR-18 KKIESEL, WES 39,02 99,02 Negotiable Neg							
386246 28-MAR-18 KUK, RICHARD 39,02 35,86 36,247 28-MAR-18 KUK, RICHARD Payment Register For 01-MAR-18 To 30-MAR-18 Report Date: 29-MAR-2018 15;17 24 29-MAR-2018 15;17 24 29-MAR-2018 15;17 24 29-MAR-2018 29-M	300211	20 144 10		70.32			Negotiable
28-MAR-18 KUK, RICHARD Spannet Register For Ol-MAR-19 to 30-MAR-18 Report Date: 29-MAR-2018 15:17							
Payment Number Payment Register For Ol-Mar-18 Report Date: 29-Mar-2018 15:17							
BANK: Bank of America N.A. Branch: Los Angeles Bank account: Currency: USD (US Dollar) Bayment Type: All USD ollar) USD ollar ollar USD ollar) USD ollar) USD ollar) USD ollar ollar USD	TIMED T. A. TT. A				30-MAR-18	Report Date: 29-	
Payment Type: All Display Supplier Address: No Display S	BANK: Bank of America N.A.	Brand	ch : Los Angeles	Account: Check	ing AP and PR	Page: 4	
Payment Number Sequence Num Date Supplier Name Site Payment Amount Date Cleared Amount Status	bank necount carrency.	USD (US I	Dollar)	rayment curr	ency: USD (US	Dollar)	
Payment Number Sequence Num Date Supplier Name Site Fayment Amount Date Cleared Amount Status	rayment Type, All			probray suppriet Add	ress: No		
Payment Number Sequence Num Date Supplier Name Site Fayment Annount Date Cleared Amount Status					Cleared		
Payment Document : IRWD CHECK 28-MAR-18					Date		Status
186248 28-MAR-18							
COMPANY INC 28 - MAR-18 LAMBERAKIS, MICHAEL 33,98 Negotiable 386250 28 - MAR-18 LAMBERAKIS, MICHAEL 36,05 Negotiable Negotiabl	rayment bocument . INWD Ch	ECK					
386249 28 MAR-18	386248	28-MAR-18		844.00			Negotiable
386250 28-MAR-18 LAMEYER, DONALD J 36.05 Negotiable	386249	28-MAR-18		22 00			Nogotiable
386251							
386252 28-MAR-18 LEAHLY, RICHARD 40.60 Negotiable							
386254 28-MAR-18 LECLAIR, SUSAN 40.18 Negotiable 386254 28-MAR-18 LEDBETTER, CARLA 44.96 Negotiable 386255 28-MAR-18 LEE, EDWARD 40.37 Negotiable 386256 28-MAR-18 LEE, GANG HOON 70.48 Negotiable 386257 28-MAR-18 LEE, GRACE 72.70 Negotiable 386258 28-MAR-18 LEE, JOO 43.46 Negotiable 386259 28-MAR-18 LEE, KANG 39.76 Negotiable 386259 28-MAR-18 LEE, KANG 39.76 Negotiable 386260 28-MAR-18 LEE, KANG 39.76 Negotiable 386261 28-MAR-18 LEIGHTON, STEPHEN 40.27 Negotiable 386262 28-MAR-18 LEONARD, CASSANDRA 74.09 Negotiable M 386263 28-MAR-18 LEPLASTRIER, EMILY 51.55 Negotiable 386264 28-MAR-18 LEPLASTRIER, EMILY 51.55 Negotiable 386265 28-MAR-18 LEVIS, JANE 277.00 Negotiable 386266 28-MAR-18 LEVIS, WILLIAM D 158.96 Negotiable 386266 28-MAR-18 LICUANAN, BRIAN 70.33 Negotiable 386267 28-MAR-18 LICUANAN, BRIAN 70.33 Negotiable 386269 28-MAR-18 LICUANAN, BRIAN 70.33 Negotiable 386269 28-MAR-18 LICUANAN, BRIAN 70.33 Negotiable 386269 28-MAR-18 LICUANAN, BRIAN 70.33 Negotiable 386270 28-MAR-18 LICUANAN, BRIAN 70.33 Negotiable 386271 28-MAR-18 LIV, JENNIFER 72.89 Negotiable 386271 28-MAR-18 LIV, JENNIFER 74.90 Negotiable 386271 28-MAR-18 LIV, JENNIFER 74.90 Negotiable 386271 28-MAR-18 LIV, JENNIFER 74.00 Negotiable 386273 28-MAR-18 LIV, JENNIFER 74.00 Negotiable 386274 28-MAR-18 LIV, JENNIFER 74.00 Negotiable 386275 28-MAR-18 LIV, JENNIFER 74.00 Negotiable 386276 28-MAR-18 LIV, JENNIFER 74.00 Negotiable 386277 28-MAR-18 LIV, JENNIFER 74.00 Negotiable 386278 28-MAR-18 LIV, JENNIFER 74.00 Negotiable	306262	20 MBD 10		10.50			
386254 28-MAR-18 LEDBETTER, CARLA 44,96 Negotiable							
386256 28-MAR-18 LEE, GANG HOON 70.48 Negotiable	386254	28-MAR-18	LEDBETTER, CARLA	44.96			
28-MAR-18 LEE, GRACE 72.70 Negotiable							
28-MAR-18 LEE, JOO							
386260 28-MAR-18 LEE, SERAP 28.93 Negotiable 386261 28-MAR-18 LEIGHTON, STEPHEN 40.27 Negotiable 28-MAR-18 LEIGHTON, STEPHEN 40.27 Negotiable 586262 28-MAR-18 LEONARD, CASSANDRA 74.09 Negotiable 586263 28-MAR-18 LEWIS, JANE 774.09 Negotiable 586264 28-MAR-18 LEWIS, JANE 277.00 Negotiable 386265 28-MAR-18 LEWIS, WILLIAM D 158.96 Negotiable 386266 28-MAR-18 LICH, DAVID 81.02 Negotiable 386267 28-MAR-18 LICH, DAVID 81.02 Negotiable 386269 28-MAR-18 LICH, DAVID 70.33 Negotiable 386269 28-MAR-18 LIN, JENNIFER 72.89 Negotiable 386270 28-MAR-18 LIN, JENNIFER 72.89 Negotiable 386270 28-MAR-18 LITVAK, URI 66.05 Negotiable 386271 28-MAR-18 LITVAK, URI 66.05 Negotiable 386271 28-MAR-18 LIV, CHENG CHENG 134.23 Negotiable 386272 28-MAR-18 LIU, JIANMING 17.49 Negotiable 386273 28-MAR-18 LIU, JIANMING 17.49 Negotiable 386273 28-MAR-18 LONG, LARRY 42.02 Negotiable 386274 28-MAR-18 LONG, LARRY 42.02 Negotiable CORPORATION Negotiable CORPORATION Negotiable CORPORATION Negotiable Negotiable CORPORATION Negotiable CORPORATION Negotiable Negotiable Negotiable Negotiabl							
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386264 28-MAR-18 LEWIS, JANE 277.00 Negotiable 386265 28-MAR-18 LEYS, WILLIAM D 158,96 Negotiable 386266 28-MAR-18 LICH, DAVID 81,02 Negotiable 386267 28-MAR-18 LICHANAN, BRIAN 70.33 Negotiable 386269 28-MAR-18 LIN, JENNIFER 72.89 Negotiable 386269 28-MAR-18 LIN, JENNIFER 72.89 Negotiable 386270 28-MAR-18 LITVAK, URI 66,05 Negotiable 386271 28-MAR-18 LITVAK, URI 66,05 Negotiable 386272 28-MAR-18 LIU, JENNIFER 134.23 Negotiable 386273 28-MAR-18 LIU, JIANMING 17.49 Negotiable 386273 28-MAR-18 LONG, LARRY 42.02 Negotiable 386274 28-MAR-18 LONG, LARRY 42.02 Negotiable 386275 28-MAR-18 LOTZ-JESCO AMERICA 21,674.00 Negotiable 386275 28-MAR-18 NACGILLIVRAY, 11.52 Negotiable	205252		M				_
386265 28-MAR-18 LEYS, WILLIAM D 158.96 Negotiable 386266 28-MAR-18 LICH, DAVID 81.02 Negotiable 386267 28-MAR-18 LICUNANN, BRIAN 70.33 Negotiable 386268 28-MAR-18 LICUNANN, BRIAN 70.33 Negotiable 386269 28-MAR-18 LIN, JENNIFER 72.89 Negotiable 386270 28-MAR-18 LISANDRILLO, JANET 26.33 Negotiable 386271 28-MAR-18 LITVAK, URI 66.05 Negotiable 386272 28-MAR-18 LIU, CHENG CHENG 134.23 Negotiable 386273 28-MAR-18 LIU, JIANMING 17.49 Negotiable 386273 28-MAR-18 LONG, LARRY 42.02 Negotiable 386274 28-MAR-18 LUTZ-JESCO AMERICA 21.674.00 Negotiable 386275 28-MAR-18 LONG, LARRY 42.02 Negotiable 386275 28-MAR-18 LONG, LARRY 12.02 Negotiable 386276 Negotiable 386277 Negotiable 386278 Negotiable							
386266 28-MAR-18 LICH, DAVID 81.02 Negotiable 386267 28-MAR-18 LICUANAN, BRIAN 70,33 Negotiable 386268 28-MAR-18 LICUANAN, BRIAN 70,33 Negotiable 386269 28-MAR-18 LIS, JENNIFER 72.89 Negotiable 386270 28-MAR-18 LISANDRILLO, JANET 26,33 Negotiable 386271 28-MAR-18 LITVAK, URI 66,05 Negotiable 386272 28-MAR-18 LIU, CHENG CHENG 134,23 Negotiable 386273 28-MAR-18 LIU, JIANMING 17,49 Negotiable 386274 28-MAR-18 LONG, LARRY 42,02 Negotiable 386275 28-MAR-18 LUTZ-JESCO AMERICA 21,674.00 Negotiable CORPORATION 386275 28-MAR-18 MACGILLIVRAY, 11.52 Negotiable			,				
386268 28-MAR-18 LIN, JENNIFER 72.89 Negotiable 386270 28-MAR-18 LIYAN, URI 26,33 Negotiable 386271 28-MAR-18 LITVAK, URI 666,05 Negotiable 386272 28-MAR-18 LIU, CHENG CHENG 134.23 Negotiable 386272 28-MAR-18 LIU, JIANMING 17.49 Negotiable 386273 28-MAR-18 LIU, JIANMING 17.49 Negotiable 386273 28-MAR-18 LONG, LARRY 42.02 Negotiable 386274 28-MAR-18 LUTZ-JESCO AMERICA 21,674.00 Negotiable CORPORATION 386275 28-MAR-18 LUTZ-JESCO AMERICA 21,674.00 Negotiable CORPORATION NACGILLIVRAY, 11.52 Negotiable	386266	28-MAR-18	LICH, DAVID	81.02			Negotiable
386269 28-MAR-18 LISANDRILLO, JANET 26.33 Negotiable 386270 28-MAR-18 LITVAK, URI 66,05 Negotiable 386271 28-MAR-18 LIU, CHENG 134.23 Negotiable 386272 28-MAR-18 LIU, JIANMING 17.49 Negotiable 386273 28-MAR-18 LONG, LARRY 42.02 Negotiable 386274 28-MAR-18 LUTZ-JESCO AMERICA 21,674.00 Negotiable CORPORATION 386275 28-MAR-18 MACGILLIVRAY, 11.52 Negotiable							
386270 28-MAR-18 LITVAK, URI 66,05 Negotiable 386271 28-MAR-18 LIU, CHENG CHENG 134,23 Negotiable 386272 28-MAR-18 LIU, JIANMING 17,49 Negotiable 386273 28-MAR-18 LONG, LARRY 42,02 Negotiable 386274 28-MAR-18 LUTZ-JESCO AMERICA 21,674,00 Negotiable CORPORATION 386275 28-MAR-18 MACGILLIVRAY, 11.52 Negotiable COLIN							
386271 28-MAR-18 LIU, CHENG CHENG 134.23 Negotiable 386272 28-MAR-18 LIU, JIANMING 17.49 Negotiable 386273 28-MAR-18 LONG, LARRY 42.02 Negotiable 386274 28-MAR-18 LUTZ-JESCO AMERICA 21,674.00 Negotiable CORPORATION 386275 28-MAR-18 MACGILLIVRAY, 11.52 Negotiable COLIN							
386273 28-MAR-18 LONG, LARRY 42.02 Negotiable 386274 28-MAR-18 LUT2-JESCO AMERICA 21,674.00 Negotiable CORPORATION 386275 28-MAR-18 MACGILLIVRAY, 11.52 Negotiable COLIN		28-MAR-18					
386274 28-MAR-18 LUT2-JESCO AMERICA 21,674.00 Negotiable CORPORATION 386275 28-MAR-18 MCGILLIVRAY, 11.52 Negotiable COLIN	386271	28-MAR-18 28-MAR-18	LIU, CHENG CHENG	134.23			
CORPORATION 386275 28-MAR-18 MACGILLIVRAY, 11.52 Negotiable COLIN	386271 386272	28-MAR-18 28-MAR-18 28-MAR-18	LIU, CHENG CHENG LIU, JIANMING	134.23 17.49			Negotiable
COLIN	386271 386272 386273	28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	LIU, CHENG CHENG LIU, JIANMING LONG, LARRY	134.23 17.49 42.02			Negotiable Negotiable
	386271 386272 386273 386274	28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	LIU, CHENG CHENG LIU, JIANMING LONG, LARRY LUTZ-JESCO AMERICA CORPORATION	134.23 17.49 42.02 21,674.00			Negotiable Negotiable Negotiable
	386271 386272 386273 386274	28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	LIU, CHENG CHENG LIU, JIANMING LONG, LARRY LUTZ-JESCO AMERICA CORPORATION MACGILLIVRAY,	134.23 17.49 42.02 21,674.00			Negotiable Negotiable Negotiable
	386271 386272 386273 386274 386275	28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	LIU, CHENG CHENG LIU, JIANMING LONG, LARRY LUTZ-JESCO AMERICA CORPORATION MACGILLIVRAY, COLIN	134,23 17,49 42,02 21,674,00			Negotiable Negotiable Negotiable Negotiable

386277	28-MAR-18	MADDUX, HAYLEY	34.72	Negotiable
386278	28-MAR-18	MALLETTE, LEO	36.63	Negotiable
386279	28-MAR-18	MALLIK, RANGAN	17,77	Negotiable
386280	28-MAR-18	MALONEY, KIMBERLY	38.83	Negotiable
386281	28-MAR-18	MANSOORI, FARZANEH	35.32	Negotiable
386282	28-MAR-18	MANSOUR ESFANDIARI	30,02	Negotiable
		AND SHOREH KHARZE		
386283	28-MAR-18	MARCUS, GISELE	50.00	Negotiable
386284	28-MAR-18	MARIMUTHU,	12.52	Negotiable
		SHANTHINI		
386285	28-MAR-18	MARK WU AND SUK	81:70	Negotiable
		FUN CHIU		
IRWD Ledger Ungrade		Paymont Pogistor For	01-MND 10 Ma 30 MND 10	D

IRWD Ledger Upgrade Payment Register For 01-MAR-18 To 30-MAR-18 Report Date: 29-MAR-2018 15:17

BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 45

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

avment Number 9	equence Num Date	Cupplion Namo	Site Payment Amount	Cleared	
			Site Fayment Amount		
Payment Documen					
386286	28-MAR-16	MARS, MARISSA	30.72		Negotiable
386287	28-MAR-18		16.83		Negotiable
386288	28-MAR-18	MARSHALL, GREG	36.10		Negotiable
386289		MARTIN, JULIA	66.40		Negotiable
386290	28-MAR-18		39.94		Negotiable
386291		MASOOD, BURHAN	39.66		Negotiable
386292		MATHEWS, JOHN	90.96		Negotiable
386293		MATHURIA, ATUL	15,32		Negotiable
386294		MAYERS, CRAIG	33.00		
386295		MAYO, TODD	48.01		Negotiable
386296	28-MAR-18		221.37		Negotiable
		INDUSTRIAL	221.37		Negotiable
386297	28-MAR-18	MC MASTER CARR SUPPLY CO	1,088.39		Negotiable
386298	28-MAR-18		63.18		M
386299		MCCROMETER, INC.			Negotiable
386300			5,435.60		Negotiable
366300	20-MAR-18	MCKEAGUE, W. DOUGLAS	51.97		Negotiable
386301	28-MAR-18	MEISLIK, ILANA	145,80		Negotiable
386302	28-MAR-18	MELO, ARTURO	67,60		Negotiable
86303		MENDENHALL, THOMAS			Negotiable
386304		MEROW, ALAN	35,24		Negotiable
386305		MERRIFIELD, MARK	45.35		Negotiable
386306	28-MAR-18		362.50		Negotiable
386307	28-MAR-18		2,907.59		Negotiable
	20 1111(10	RAININ, LLC	2,301.33		Negotiable
386308	28-MAR-18		41.38		N
300300	20 1991 10	ROBERTA	41,30		Negotiable
386309	28-MAR-18	MICHAEL LEE	49.22		Negotiable
386310	20-MAR-18	MOHAMMADI, FARNAZ	34.00		Negotiable
386311	28-MAR-18		218.08		Negotiable
386312	28-MAR-18	MONETTE, LISA	64.19		Negotiable
386313	28-MAR-18		39.98		Negotiable
386314	28-MAR-18		206.99		Negotiable
386315	28-MAR-18		84.52		Negotiable
886316	28-MAR-18		34.85		Negotiable
386317	28-MAR-18		33.88		
886318	28-MAR-18	,	47.88		Negotiable
386319	28-MAR-18		40.83		Negotiable
386320		MUNICIPAL	17,750.00		Negotiable
00020	20 PMN-10	UNDERGROUND	17,750.00		Negotiable
386321	00 Man 10	SERVICES INC			
		MUNROE, KAY	25.00		Negotiable
386322	28-MAR-18	,	18.39		Negotiable
386323	28-MAR-18		42.67		Negotiable
386324	28-MAR-18		53.18		Negotiable
WD Ledger Upgra			Register For 01-MAR-18 To		29-MAR-2018 15
BANK: Bank of Am		ch : Los Angeles	Account: Checki	ng AP and PR Page:	46
	t Currency: USD (US	Dollar)		ency: USD (US Dollar)	
Payment T	vpe: All		Display Supplier Addr	Agg: No	

		Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Docu	ment : IRWD CHECK						
rajment boca	meate ; IIIID childre						
386325	28-MAR-18	MUSETTI, LOUIS		54,76			Negotiable
386326	28-MAR-18	MUTUAL PROPANE		449.49			Negotiable
386327	28-MAR-18	NAGEL, KRISTINA		49.90			Negotiable
386328	28-MAR-18	NAKAMURA, DANIEL		60.90			Negotiable
386329	20-MAR-18	NAQVI, SYED		16,09			Negotiable
386330	28-MAR-18	NARAYANASWAMY,		58,00			Negotiable
		KAVITA					
386331	28-MAR-18	NATIONAL READY		840.46			Negotiable
		MIXED CONCRETE CO.					
386332	28-MAR-18	NAVAIRA, ANDREA		30.31			Negotiable
386333	28-MAR-18	NAYAGAM, EASTER		13.66			Negotiable
386334	28-MAR-18	NEW RESOURCES		432.00			Negotiable
		GROUP INC					
386335	28-MAR-18	NGUYEN, HELEN		40.49			Negotiable
386336	28-MAR-18	NGUYEN, LISA		29,42			Negotiable

386337	28-MAR-18	NGUYEN, TRI	10.92		Negotiable
386338	28-MAR-18	NICHOLSON, NANCY	62.76		Negotiable
386339	28-MAR-18	NIRVANA ALONSO	200.00		Negotiable
386340	28-MAR-18	NMG GEOTECHNICAL	32,980.90		Negotiable
		INC			
386341	28-MAR-18	NORDINE, MOLLY	190.91		Negotiable
386342	28-MAR-18	NOSSAMAN LLP	26,404.62		Negotiable
386343	28-MAR-18	O'HAREN GOVERNMENT	6,500.00		Negotiable
		RELATIONS			
386344	28-MAR-18	OCEAN BLUE	0,362.16		Negotiable
		ENVIRONMENTAL			
		SERVICES INC			
386345	28-MAR-18	OFER, MAXIMA	42.62		Negotiable
386346	28-MAR-18	OKINAGA, HIROKI	56.28		Negotiable
386347	28-MAR-18	OLIN CORPORATION	19,406.40		Negotiable
386348	28-MAR-18	ONESOURCE	4,169.22		Negotiable
		DISTRIBUTORS LLC			
386349	28-MAR-18	ORANGE COUNTY AUTO	511.37		Negotiable
		PARTS CO			
386350	28-MAR-18	ORANGE COUNTY	332.19		Negotiable
		TREASURER			
386351	28-MAR-18	ORLINSKI, SCOTT	19.38		Negotiable
386352	28-MAR-18	ORTEGA, EDGAR	11.80		Negotiable
386353	28-MAR-18	PACIFIC PARTS &	4,520.86		Negotiable
		CONTROLS INC			
386354	28-MAR-18	PADUA, DAVID	59,08		Negotiable
386355	28-MAR-18	PAGE, KAUSTUBH	11.39		Negotiable
386356	28-MAR-18	PAN, RENJUN	46.56		Negotiable
386357	28-MAR-18	PAPPACHAN, PRIMAL	48.50		Negotiable
386358	28-MAR-18	PARK, HANJIN	147.30		Negotiable
386359	28-MAR-18	PARK, WON KYO	44.07		Negotiable
IRWD Ledger Upgrade		4	Register For 01-MAR-18 To 30-MAR-18		9-MAR-2018 15:17
BANK: Bank of America N.A.		h : Los Angeles	Account: Checking AP and I		47
Bank Account Currency:	USD (US D	ollar)	Payment Currency: USD	(US DOLLAR)	
Payment Type: All			Display Supplier Address: No		

Payment Number Seque	ence Num Date	Supplier Name	Site Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document :						
386360	28-MAR-18	PARROTT, DEBORAH	42.60			Negotiable
386361	28-MAR-18	PAULUS ENGINEERING, INC.	74,545.04			Negotiable
386362	28-MAR-18	PAWLEY, CRAIG	46,71			Negotiable
386363	28-MAR-18	PEELER, DANIELLE	30.32			Negotiable
386364	28-MAR-18	PEREZ, DONNA	10,28			Negotiable
386365	28-MAR-18	PERRY, MORGANN	66.40			Negotiable
386366	28-MAR-18	· ·	58.13			Negotiable
386367	28-MAR-18	PHAM, VAN-KHANH	38,63			Negotiable
386368	28-MAR-18	PINTA, MEREDITH	106.68			Negotiable
386369	28-MAR-18	PMC ENGINEERING	1,633.37			Negotiable
386370	28-MAR-18	POGORELAC, CHAD	20.47			Negotiable
386371	28-MAR-18	PORTRAIT	737.06			Negotiable
300372	20 1241 10	CONSTRUCTION, INC.				
386372	28-MAR-18	POST, KEN/SANDY	36,32			Negotiable
386373	28-MAR-18		819.47		9	Negotiable
000070	20 1221 20	DISTRIBUTION INC				9
386374	28-MAR-18	PRESTIGE AUTO BODY EXPRESS	2,803.62			Negotiable
386375	28-MAR-18	PRICE, JESSICA	35.20			Negotiable
386376	28-MAR-18	PRINCE, LEE	21.49			Negotiable
386377	28-MAR-18	PSOMAS	3,257.60			Negotiable
386378	28-MAR-18	PTI SAND & GRAVEL INC	824.62			Negotiable
386379	28-MAR-18	QI, XIN	51.54			Negotiable
386380	28-MAR-18	QUALITY ENVIRONMENTAL CONTAINERS	6,129.98			Negotiable
386381	28-MAR-18	QUARTO, JANE	139.15			Negotiable
386382	28-MAR-18	QWEST ENGINEERING, INC	1,050.00			Negotiable
386383	28-MAR-10	RABLE, BRAD	27.18			Negotiable
386384	28-MAR-18	RADOFF, JONATHAN	60.89			Negotiable
386385	28-MAR-18	RAFAIL, SAM	35.17			Negotiable
386386	28-MAR-18	RAMACHANDRAN, BALA	33.54			Negotiable
386387	28-MAR-18	RANESES, TAMI	43.27			Negotiable
386388	28-MAR-18	RAYMOND, LIZA	162.00			Negotiable
386389	28-MAR-18	RAZMI, KARIM	46.16			Negotiable
386390	28-MAR-18	READ, MISTY	79,66			Negotiable
386391	28-MAR-18	READY, KEVIN	33.98			Negotiable
386392	28-MAR-18	REAL WATER CONSULTANTS INC.	19,434.00			Negotiable
386393	28-MAR-18	REESE, AARON	69.38			Negotiable
386394		REESE, JOHN D	47.88			Negotiable
RWD Ledger Upgrade			legister For 01-MAR-18 To	30-MAR-18	Report Date: 29	
BANK: Bank of Americ	ca N.A. Branc		Account: Check			48
	rrency: USD (US D			ency: USD (
Payment Type		·	Display Supplier Add			

Site

Cleared Payment Amount Date

Status

Cleared Amount

Supplier Name

Payment Number Sequence Num Date

	CHECK				
Payment Document : IRWD C					
386395	28-MAR-18	RELIANCE SAFETY CONSULTANTS, INC.	28,645.96		Negotiable
386396	28-MAR-18	REYNOLDS, JASON	46.92		Negotiable
386397		REZAEI, ROYA	100.00		Negotiable
386398		RHINO SAFETY SOLUTIONS, INC	3,828,43		Negotiable
386399	28-MAR-18	RHO, HYONSUK	82.60		Negotiable
386400	28-MAR-18		57.31		Negotiable
386401		RICE, VIVIAN	38,61		Negotiable
386402		RICHARDSON, JOSEPH			Negotiable
386403		RICHARDSON, RACHEL	41.83		Negotiable
386404		RIDGEWAY, SUEKO	30.43		Negotiable
386405		RINCON TRUCK CENTER INC.	101.80		Negotiable
386406	2R-MAR-18	RINEHART, JOSEPH	91.07		Negotiable
386407		ROBERTS, ANDREW	40.85		Negotiable
386408		ROBERTS, STEPHEN	41.83		Negotiable
386409	28-MAR-18		47.85		Negotiable
386410		RODGERS, MELANIE	20.82		Negotiable
386411	28-MAR-18	ROMERO, CATHY	10,27		Negotiable
386412	28-MAR-18	ROSS, STEVEN	38.40		Negotiable
386413	28-MAR-18	ROWSHAN, KASRA	178.20		Negotiable
386414	28-MAR-18	RUBIO, MICHAEL	11.38		Negotiable
386415	28-MAR-18	RUIZ, ARMANDO	32.38		Negotiable
386416	28-MAR-18	RUNNERSTROM, MIRYHA	20,52		Negotiable
386417	28-MAR-18	RUTH NOLAN AND BRENDAN NOLAN	72:31		Negotiable
386418	28-MAR-18	SACKSTEIN, EVAN	80.99		Negotiable
386419		SAFETY-KLEEN SYSTEMS, INC	754.80		Negotiable
386420	28-MAR-18	SAFFELL, STEVE	48.05		Negotiable
386421	28-MAR-18		37.01		Negotiable
386422	28-MAR-18	SALVETTI, ERIN	80,00		Negotiable
386423	28-MAR-18	SAMARRAI, RAY	18.43		Negotiable
386424	28-MAR-18	SAMUEL & NORBERT MALER	39.39		Negotiable
386425 386426	28-MAR-18 28-MAR-18		144.18 155.16		Negotiable Negotiable
		PRINT			_
386427	28-MAR-18	SANTA BARBARA NPB	455.83		Negotiable
		SANTA BARBARA NPB APTS LLC SARAVIA, VARTAN	455.83 56.51		Negotiable Negotiable
386427 386428 386429 386430 IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency	28-MAR-18 28-MAR-18 28-MAR-18	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment R th : Los Angeles	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check		Negotiable Negotiable Negotiable 29-MAR-2018 15:
386428 386429 386430 CRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All	28-MAR-18 28-MAR-18 28-MAR-16 . Branc y: USD (US D	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment F th : Los Angeles vollar)	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check	ing AP and PR Page: ency: USD (US Dollar)	Negotiable Negotiable Negotiable 29-MAR-2018 15:
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386428 386429 386430 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All	28-MAR-18 28-MAR-18 28-MAR-18 . Branc y: USD (US D	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment F th: Los Angeles bollar) Supplier Name	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add	ing AP and PR Page; ency: USD (US Dollar) ress: No Cleared Date Cleared Amou	Negotiable Negotiable Negotiable 29-MAR-2018 15: 49
386428 386429 386430 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All ayment Number Sequence Nu	28-MAR-18 28-MAR-18 28-MAR-16 . Branc y: USD (US D	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment F th: Los Angeles collar) Supplier Name SCHINDLER ELEVATOR	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add	ing AP and PR Page; ency: USD (US Dollar) ress: No Cleared Date Cleared Amou	Negotiable Negotiable Negotiable 29-MAR-2018 15: 49
386428 386429 386430 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All Payment Number Sequence Nu Payment Document: IRWD C	28-MAR-18 28-MAR-18 28-MAR-16 . Branc y: USD (US D	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment F th: Los Angeles bollar) Supplier Name	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add	ing AP and PR Page; ency: USD (US Dollar) ress: No Cleared Date Cleared Amou	Negotiable Negotiable Negotiable 29-MAR-2018 15: 49 Int Statu
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386428 386429 386430 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All ayment Number Sequence Nu Payment Document : IRWD C 386431 386432 386433 386434	28-MAR-18 28-MAR-18 28-MAR-18 . Branc y: USD (US D um Date 	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment F th: Los Angeles bollar) Supplier Name SCHINDLER ELEVATOR CORPORATION SCHISLER, DONALD SCOTT, ROCKWELL SEGOVIA, RAUL	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 202.95 18.72 142.98 35.85	ing AP and PR Page; ency: USD (US Dollar) ress: No Cleared Date Cleared Amou	Negotiable Negotiable Negotiable 29-MAR-2018 15: 49 Int Statu Negotiable Negotiable Negotiable Negotiable
386428 386429 386430 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All ayment Number Sequence Nu Payment Document : IRWD C 386431 386432 386433 386434	28-MAR-18 28-MAR-18 28-MAR-18 . Branc y: USD (US D um Date 	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment F th: Los Angeles collar) Supplier Name SCHINDLER ELEVATOR CORPORATION SCHISLER, DONALD SCOTT, ROCKWELL SEGOVIA, RAUL SEYLER, ALLISON SHAMROCK SUPPLY CO	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 202.95 18.72 142.98	ing AP and PR Page; ency: USD (US Dollar) ress: No Cleared Date Cleared Amou	Negotiable Negotiable Negotiable 29-MAR-2018 15: 49 Negotiable Negotiable Negotiable Negotiable
386428 386429 386430 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All Payment Number Sequence Nu Payment Document: IRWD C 386431 386432 386433 386434 386435	28-MAR-18 28-MAR-18 28-MAR-16 . Branc y: USD (US D UM Date 	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment F th: Los Angeles collar) Supplier Name SCHINDLER ELEVATOR CORPORATION SCHISLER, DONALD SCOTT, ROCKWELL SEGOVIA, RAUL SEYLER, ALLISON SHAMROCK SUPPLY CO INC SHARIFI NEJAD,	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 202.95 18.72 142.98 35.85 28.44	ing AP and PR Page; ency: USD (US Dollar) ress: No Cleared Date Cleared Amou	Negotiable Negotiable Negotiable 29-MAR-2018 15: 49 Int Statu Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
386428 386429 386430 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All Payment Number Sequence Nu Payment Document: IRWD C 386431 386432 386433 386435 386436 386437	28-MAR-18 28-MAR-18 28-MAR-18 . Branc y: USD (US D UMM Date CHECK 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment R th: Los Angeles collar) Supplier Name SCHINDLER ELEVATOR CORPORATION SCHISLER, DONALD SCOTT, ROCKWELL SEGOVIA, RAUL SEYLER, ALLISON SHAMROCK SUPPLY CO	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 202.95 18.72 142.98 35.85 28.44 1,091.71	ing AP and PR Page; ency: USD (US Dollar) ress: No Cleared Date Cleared Amou	Negotiable Negotiable 29-MAR-2018 15: 49 Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
386428 386429 386430 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All Payment Number Sequence Nu Payment Document: IRWD C 386431 386432 386433 386435 386436 386437	28-MAR-18 28-MAR-18 28-MAR-18 . Branc y: USD (US D D D D D D D D D D D D D D D D D D D	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment R th: Los Angeles collar) Supplier Name SCHINDLER ELEVATOR CORPORATION SCHISLER, DONALD SCOTT, ROCKWELL SEGOVIA, RAUL SEYLER, ALLISON SHAMROCK SUPPLY CO INC SHARIFI NEJAD, HAMID SHENODA, MARYANN	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 202.95 18.72 142.98 35.85 28.44 1,091.71 33.79 59.57	ing AP and PR Page; ency: USD (US Dollar) ress: No Cleared Date Cleared Amou	Negotiable Negotiable Negotiable 29-MAR-2018 15: 49 Int Statu Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
386428 386429 386430 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All Fayment Number Sequence Nu Payment Document: IRWD C 386431 386432 386433 386436 386436 386437 386438 386438	28-MAR-18 28-MAR-18 28-MAR-16 . Branc y: USD (US D USD	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment F th: Los Angeles collar) Supplier Name SCHINDLER ELEVATOR CORPORATION SCHISLER, DONALD SCOTT, ROCKWELL SEGOVIA, RAUL SEYLER, ALLISON SHAMROCK SUPPLY CO INC SHARIFI NEJAD, HAMID SHENODA, MARYANN SHERWIN, RALPH	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 202.95 18.72 142.98 35.85 28.44 1,091.71 33.79 59.57 91.61	ing AP and PR Page; ency: USD (US Dollar) ress: No Cleared Date Cleared Amou	Negotiable Negotiable 29-MAR-2018 15: 49 Int Statu Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
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386428 386429 386430 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All Payment Number Sequence Nu Payment Document: IRWD C 386431 386432 386433 386434 386435 386437 386437	28-MAR-18 28-MAR-18 28-MAR-18 . Branc y: USD (US D USD	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment F th: Los Angeles collar) Supplier Name SCHINDLER ELEVATOR CORPORATION SCHISLER, DONALD SCOTT, ROCKWELL SEGOVIA, RAUL SEYLER, ALLISON SHAMROCK SUPPLY CO INC SHARIFI NEJAD, HAMID SHENODA, MARYANN SHERWIN, RALPH SHI, YONG GANG	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 202.95 18.72 142.98 35.85 28.44 1,091.71 33.79 59.57 91.81 41.59	ing AP and PR Page; ency: USD (US Dollar) ress: No Cleared Date Cleared Amou	Negotiable Negotiable 29-MAR-2018 15: 49 Int Statu Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
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386428 386429 386430 IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency Payment Type: All Payment Number Sequence Nu Payment Document: IRWD C 386431 386432 386433 386435 386436 386437 386448 386449 386440 386445 386446 386447 386448 386447 386448 386447 386448 386445 386445 386445 386445 386445 386453 386453	28-MAR-18 28-MAR-18 28-MAR-18 . Branc y: USD (US D UM Date	APTS LLC SARAVIA, VARTAN SARHANGNEJAD, FUAD SCHAPEL, ZACH Payment F th: Los Angeles collar) Supplier Name SCHINDLER ELEVATOR CORPORATION SCHISLER, DONALD SCOTT, ROCKWELL SEGOVIA, RAUL SEYLER, ALLISON SHAMROCK SUPPLY CO INC SHARIFI NEJAD, HAMID SHENGUA, MARYANN SHERWIN, RALPH SHI, YONG GANG SHIVELY, CINDI SHUSTER, IGAL SIGMA-ALDRICH INC SILVESTRO, DORIS L SIMANCEK, CLYSTA SINGARELLA, HEATHER SUPPLY, LLC SMALL, RANDI SMITH, HAROLD SMITH, HAROLD SMITH, HAROLD SMITH, HAROLD SMITH, TORENE SMITH, TERESA L SOLIS, ULYSSES SONG, JUNGSUB SOUTH BAY FOUNDRY,	56.51 91.11 77.26 egister For 01-MAR-18 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 202.95 18.72 142.98 35.85 28.44 1,091.71 33.79 59.57 91.81 41.59 40.48 56.06 1,198.66 29.44 31.58 177.66 239.64 57.70 31.18 45.75 32.84 37.56 40.52 39.82	ing AP and PR Page; ency: USD (US Dollar) ress: No Cleared Date Cleared Amou	Negotiable Negotiable Negotiable 29-MAR-2018 15: 49 Int Statu Negotiable

386458	29_M7D_19	COMPANY SOUTHERN		26.12			N
300430	20-MMN-10	CALIFORNIA GAS		76.13			Negotiable
205450	00 1075 10	COMPANY					
386459	28-MAR-18	SOUTHERN COUNTIES LUBRICANTS LLC		1,066,73			Negotiable
386460	28-MAR-18	SOUTHWEST VALVE &		2,453.96			Negotiable
386461	28-MAR-18	EQUIPMENT SPERRY, BRIAN		57.00			Negotiable
IRWD Ledger Upgrade		Payment	Register For	01-MAR-18 To	30-MAR-18	Report Date: 2	9-MAR-2018 15:17
BANK: Bank of America N.A Bank Account Currenc Payment Type: All	. Brand	ch : Los Angeles		Account: Check	ing AP and	PR Page:	50
Payment Type: All	y. ODD (00 I	JOITAL /	Displ	ay Supplier Add	ress: No	(US DUILAL)	
					Cleared		
Payment Number Sequence N	um Date	Supplier Name	Site	Payment Amount	Date	Cleared Amount	
Payment Document : IRWD							***
386462	20 MBD 10	GERNEDO GONOLU EXAL	,	F 070 50			
300402	28-MAR-18	STANTEC CONSULTING SERVICES INC.	1	5,278.50			Negotiable
386463	28-MAR-18	STEFANELLO, GARY		347.99			Negotiable
386464 386465	28-MAR-18 28-MAR-18	STEPHAN, ASHLEY STEPUTIS, NOLAN STOCKS, TARA		39.05 34.11			Negotiable Negotiable
386466	28-MAR-18	STOCKS, TARA		35.09			Negotiable
386467 386468	28-MAK-18	SU, OUTING		42.07			Negotiable
386469	28-MAR-18 28-MAR-18			73.04 11,663.52			Negotiable Negotiable
		SPECIALTY PRODUCTS	5	11,003,02			Negotiable
386470	28-MAR-18			17.55			Negotiable
386471 386472	28-MAR-18 28-MAR-18			27.84 132,50			Negotiable
386473	28-MAR-18			11.77			Negotiable Negotiable
386474	20-MAR-10			32,90			Negotiable
386475 386476	28-MAR-18 28-MAR-18			41.78			Negotiable
386477	28-MAR-18			31.29 763.78			Negotiable Negotiable
386478	28-MAR-18			39.85			Negotiable
386479 386480	28-MAR-18			169.65			Negotiable
386481	28-MAR-18 28-MAR-18			45.54 68.30			Negotiable Negotiable
386482	28-MAR-18			448.97			Negotiable
386483	28-MAR-18			56.49			Negotiable
386484 386485	28-MAR-18 28-MAR-19			4,355.00 444.42			Negotiable Negotiable
386486	28-MAR-18			3,395.23			Negotiable
206407		NORTH AMERICA LLC		W			
386487 386488	28-MAR-18	TIAN, DAI TIC-IPG-COMMON		47.13 381.30			Negotiable
386489		TIC-OFFICE		332,03			Negotiable Negotiable
		PROPERTIES					
386490	28-MAR-18	TIC-SPECTRUM OFFICE		93.32			Negotiable
386491	28-MAR-18			13.82			Negotiable
386492		TIGLAO, LUIS		25.00			Negotiable
386493 386494	28-MAR-18 28-MAR-18	TOFOLO, DAVID		17.87 44.14			Negotiable
386495	28-MAR-18			75.00		7	Negotiable Negotiable
386496	28-MAR-18	TOLOSA, MARIA		41.07			Negotiable
386497 386498	28-MAR-18 28-MAR-18			76,57			Negotiable
386499		TOTEN, SUZANNE TRAN, CLARA		10.07 74.32			Negotiable Negotiable
386500	20-MAR-18	TRIKAS, IRMA		49.03			Negotiable
386501	28-MAR-18	TRIPAC MARKETING		1,166.78			Negotiable
IRWD Ledger Upgrade		Payment	Register For	01-MAR-18 To	30-MAR-18	Report Date: 2	9-MAR-2018 15:17
BANK: Bank of America N.A				Account: Check		PR Page:	51
Bank Account Currenc Payment Type: All	γ: USD (US D	Ollar)	Displ	Payment Curre ay Supplier Addı		(US Dollar)	
rajmona rijest vitt			DISPI	ay buppiler Addi	Lebbi No		
					Clossed		
Payment Number Sequence N	um Date	Supplier Name	Site		Cleared	Cleared Amount	Status
	** ******						
Payment Document : IRWD	CHECK						
386502	20-MAR-18	TROPICAL PLAZA		9,629.00			Negotiable
386503	20 MBD 10	NURSERY INC					
386504		TRUCPARCO TSUJIOKA, MARY		223.81 35.71			Negotiable Negotiable
		JANE		55171			Negotiable
386505		TUAZON, MARIA L		25.90			Negotiable
386506 386507		TUCKER, GAVIN TYCO INTEGRATED		37.63 971.19			Negotiable Negotiable
		SECURITY, LLC		371,13			Medocianie
386508		ULLERICH, JESSICA		71,21			Negotiable
386509 386510		ULTRA SCIENTIFIC UNITED PARCEL		992.65 27.00			Negotiable
	rmm/_TO	SERVICE INC		21,00			Negotiable
386511							
	28-MAR-18	UNITED SITE		152.29			Negotiable
	28-MAR-18	UNITED SITE SERVICES OF		152.29			Negotiable
386512		UNITED SITE		152,29 56.70			-
	28-MAR-18	UNITED SITE SERVICES OF CALIFORNIA INC					Negotiable Negotiable Negotiable

386514						
		28-MAR-18	US BANK NAT'L ASSOCIATION NORTH	78,564.51		Negotiable
			DAKOTA			
386515		28-MAR-18	VARNADO, SHERRY	34.98		Negotiable
386516		28-MAR-18	VASHIST, DEEPAK	78.15		Negotiable
386517		28-MAR-18	VAUGHN, GINA	40.58		Negotiable
386518		28-MAR-18	VERIZON WIRELESS SERVICES LLC	10,691.67		Negotiable
386519		28-MAR-18	VERMA, KUMAR	27.06		Negotiable
386520			VILLACORTA, BRIAN			Negotiable
386521		28-MAR-18	VISCO, NANCY	27.89		Negotiable
386522			VLAD, CATHY	121.93		Negotiable
386523			VULCAN MATERIALS			Negotiable
00000		20 144, 10	COMPANY	2,020.49		Negociabie
386524		28-MAR-18	WACO FILTERS CORPORATION	8,549.53		Negotiable
386525		28-MAR-18		44.18		Negotiable
386526			WALDHAUSER, ALYSSA			Negotiable
386527			WALTER WILHELM &			Negotiable
000027		20 124, 10	NATALIE WILHELM	03.23		Negociabie
386528		28-MAR-18	WALTERS WHOLESALE	566,62		Negotiable
300020		20 PHR 10	ELECTRIC	300.02		Negotiable
386529		28-MAR-18	WANG, CONNIE	25,93		Negotiable
386530		20-MAD-10	MINIC DET	34 00		Negotiable
386531		28-MAR-18	WANG, PEIQIANG	38.86		Negotiable
386532		28-MAR-18	WANG, YUANBIN	73.37		Negotiable
306533			WATKINS, TERESA	22,00		Negotiable
					30-MAR-18 Report Date:	29-MAR-2018 15:17
BANK: Bank of	America N.A.	Branc	h : Los Angeles	Register For 01-MAR-18 To Account: Check Payment Curr	ing AP and PR Page:	52
Bank Acco	unt Currency:	USD / USD D	ollar 1	Payment Curr	ency: USD (US Dollar)	32
	Type: All	000 (00 0	oriar /	Display Supplier Add		
1 dymone	11bc. 1111			propriet Add	11655. 140	
					Cleared	
Pavment Number	Sequence Num	Date	Supplier Name	Site Payment Amount		t Status
Payment Docum	ent : IRWD CHE	CK				
386534		28-MAR-18	WAXIE'S	1,212.62		Negotiable
			ENTERPRISES, INC	,		
386535		28-MAR-18	WEBB, CAMERON	114.37		Negotiable
386536			WECK LABORATORIES	1,660.00		Negotiable
			INC	_,		11090014010
386537		28-MAR-18	WENTWORTH,	28.25		Negotiable
			CHRISTINA			1103000000
386538		28-MAR-18	WEST COAST SAFETY	9,945.54		Negotiable
386538		28-MAR-18	WEST COAST SAFETY SUPPLY INC	9,945.54		Negotiable
386538			SUPPLY INC			_
			SUPPLY INC WESTAMERICA	9,945,54 3,918.11		Negotiable Negotiable
			SUPPLY INC			_
		28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS,	3,918.11		Negotiable
386539		28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV	3,918.11 9,163.64		Negotiable Negotiable
386539 386540		28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN	3,918.11		Negotiable
386539 386540		28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR	3,918.11 9,163.64		Negotiable Negotiable
386539 386540		28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERNINATOR COMPANY	3,918.11 9,163.64		Negotiable Negotiable Negotiable
386539 386540 386541		28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR	3,918.11 9,163.64 9,777.50		Negotiable Negotiable Negotiable
386539 386540 386541 386542		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR COMPANY WIDJAJA, MARIO	3,918.11 9,163.64 9,777.50 45.02		Negotiable Negotiable Negotiable
386539 386540 386541 386542 386543		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR COMPANY WIDJAJA, MARIO WILDER, JADE	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58		Negotiable Negotiable Negotiable Negotiable Negotiable
386540 386541 386542 386543 386544		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERNINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58		Negotiable Negotiable Negotiable Negotiable
386540 386541 386542 386543 386544		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERNINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58		Negotiable Negotiable Negotiable Negotiable Negotiable
386539 386540 386541 386542 386543 386544 386545		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03		Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
386539 386540 386541 386542 386543 386544 386545		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, VICKEY WILLIAMS, VICKEY WILSON, KEVIN	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67		Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386546		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERNINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, TROY WILLIAMS, VICKEY	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28		Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386547 386548 386549		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERNINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, TROY WILLIAMS, VICKEY WILSON, KEVIN WISNIEWSKI, MICHAEL	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38		Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386547 386548		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, VICKEY WILSON, KEVIN WISNIEWSKI, MICHAEL WORKFORCE SAFETY	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67		Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386546 386548 386549 386550		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERNINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, TROY WILLIAMS, VICKEY WILSON, KEVIN WISNIEWSKI, MICHAEL WORKFORCE SAFETY LLC	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38		Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386546 386546 386549 386550 386550		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERNINATOR COMPANY WIDJAJA, MARIO WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, VICKEY WILLIAMS, VICKEY WILLIAMS, VICKEY WILLIAMS, WILLIAMS, WILLIAMS, VICKEY WILLIAMS, WILLIAMS, WILLIAMS, WILLIAMS,	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38 2,984.00		Negotiable
386539 386540 386541 386542 386543 386544 386544 386545 386546 386547 386548 386549 386550 386551 386552		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, VICKEY WILSON, KEVIN WISNIEWSKI, MICHAEL WORKFORCE SAFETY LLC WU, CINDY WU, ELIZABETH	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38 2,984.00 102.98 103.29		Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386546 386549 386550 386550 386552 386552		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, VICKEY WILSON, KEVIN WISNIEWSKI, MICHAEL WORKFORCE SAFETY LLC WU, CINDY WU, ELIZABETH WU, GRACE	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38 2,984.00 102.98 103.29 174.97		Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386547 386548 386550 386550 386551 386552 386553 386554		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERNINATOR COMPANY WIDJAJA, MARIO WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, TROY WILLIAMS, VICKEY WILLIAMS,	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38 2,984.00 102.98 103.29 174.97 36.33		Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386546 386549 386550 386551 386552 386553 386554		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, VICKEY WILSON, KEVIN WISNIEWSKI, MICHAEL WORKFORCE SAFETY LLC UU, CINDY WU, ELIZABETH WU, GRACE WU, MARK WYMAN, NIKKOLE	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38 2,984.00 102.98 103.29 174.97 36.33 46.61		Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386546 386549 386550 386550 386552 386552 386554 386555 386555		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, VICKEY WILSON, KEVIN WISNIEWSKI, MICHAEL WORKFORCE SAFETY LLC WU, CINDY WU, ELIZABETH WU, GRACE WU, MARK WYMAN, NIKKOLE YAMANI, SHEHLA	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38 2,984.00 102.98 103.29 174.97 36.33 46.61 40.70		Negotiable
386539 386540 386541 386542 386543 386544 386545 386547 386548 386554 386550 386551 386552 386553 386554 386555 386555		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERNINATOR COMPANY WIDJAJA, MARIO WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, TROY WILLIAMS, VICKEY WILLIAMS, WILLIAMS, VICKEY WU, GRACE WU, MARK WYMAN, NIKKOLE YAMANI, SHEHLA YAO, HOWARD	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38 2,984.00 102.98 103.29 174.97 36.33 46.61 40.70 38.82		Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386547 386548 3865549 386550 386551 386552 386553 386555 386556 386557 386556		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN AV WESTERN EXTERMINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, VICKEY WILSON, KEVIN WISNIEWSKI, MICHAEL WORKFORCE SAFETY LLC UU, CINDY WU, CINDY WU, ELIZABETH WU, GRACE WU, MARK WYMAN, NIKKOLE YAMANI, SHEHLA YAO, HOWARD YEUNG, FAN	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38 2,984.00 102.98 103.29 174.97 36.33 46.61 40.70 38.82 44.11		Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386549 386550 386551 386552 386553 386555 386556 386557 386558 386558		28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERMINATOR COMPANY WIDJAJA, MARIO WILDER, JADE WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, VICKEY WILSON, KEVIN WISNIEWSKI, MICHAEL WORKFORCE SAFETY LLC WU, CINDY WU, ELIZABETH WU, GRACE WU, MARK WYMAN, NIKKOLE YAMANI, SHEHLA YAO, HOWARD YEUNG, FAN YOON, MICHAEL	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38 2,984.00 102.98 103.29 174.97 36.33 46.61 40.70 38.82 44.11 48.54		Negotiable
386539 386540 386541 386542 386543 386544 386545 386546 386549 386550 386551 386552 386553 386554 386557 386558 386557 386558 386559 386559 386559		28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERNINATOR COMPANY WIDJAJA, MARIO WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, TROY WILLIAMS, VICKEY WU, GRACE VUM, MARK WYMAN, NIKKOLE YAMANI, SHEHLA YAO, HOWARD YEUNG, FAN YOON, MICHAEL YORK, WILLIAM	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38 2,984.00 102.98 103.29 174.97 36.33 46.61 40.70 38.82 44.11 48.54 23.87		Negotiable
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386539 386540 386541 386542 386543 386544 386545 386546 386547 386548 386554 386551 386552 386553 386554 386555 386556 386557 386558 386556 386561 386561 386561 386562		28-MAR-18 28-MAR-18	SUPPLY INC WESTAMERICA COMMUNICATIONS, INC. WESTERN AV WESTERN EXTERNINATOR COMPANY WIDJAJA, MARIO WILLIAMS, JUSTIN WILLIAMS, RICHARD A WILLIAMS, TROY WILLIAMS, TROY WILLIAMS, VICKEY WU, CINDY WU, ELIZABETH WU, GRACE VUM, MARK WYMAN, NIKKOLE YAMANI, SHEHLA YAO, HOWARD YEUNG, FAN YOON, MICHAEL YORK, WILLIAM YOUNG, DOROTHYAN YOUNG, JENNIFER YOUNG, KHEM	3,918.11 9,163.64 9,777.50 45.02 52.46 31.58 19.03 39.67 53.28 65.67 46.38 2,984.00 102.98 103.29 174.97 36.33 46.61 40.70 38.82 44.11 48.54 23.87 40.08 372.22 74.47		Negotiable
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Payment Number | Sequence Num Date | Supplier Name | Site | Payment Amount Date | Cleared Amount | Status |
Payment Document : IRWD CHECK

386569	28-MAR-18		ſG	40,520.00		Negotiable
386570	28-MAR-18			1,276.47		Negotiable
386571	28-MAR-18	SERVICE CO ZEHNER, MICHELLE	С	70.11		Negotiable
386572	28-MAR-18	ZELAZO, MATT		38.43		Negotiable
386573 386574	28-MAR-18			86.04		Negotiable
386575	28-MAR-18 28-MAR-18			66.58 25.90		Negotiable
386576		ZHAO, NATHAN		48.03		Negotiable Negotiable
386577	28-MAR-18	ZHU, YONGDONG		13,63		Negotiable
386578 386579		ZIAIE, NIMA		55.47		Negotiable
386580		ZIFF, MARCI ZILL, MICHAEL		46.24 69.15		Negotiable Negotiable
386581	28-MAR-18			35.56		Negotiable
386582	29-MAR-18	KING, COURTNEY AN B&H PHOTO - VIDEO INC.		2,059.00		Negotiable
1	Payment Docu	ment Subtotal:		13,713,684.23	9,157,325.9	
Payment Document : IRWD W:	ire					
12493	01-MAR-18	EMPLOYEE BENEFIT SPECIALISTS, INC.		1,270.00		Negotiable
12494	02-MAR-18	EMPLOYEE BENEFIT SPECIALISTS, INC.	PO BOX	150.00		Negotiable
12495 12496	06-MAR-18 07-MAR-18		SACRAMENTO LIMERICK	183,491.71 10,000.00		Negotiable Negotiable
12497	13-MAR-18		IRELAN SACRAMENTO	486,949.78		Negotiable
12490	13-MAR-18		1 SACRAMENTO	2,805.07		Negotiable
12499		EMPLOYEE BENEFIT	1	30,835.72		Negotiable
12500		SPECIALISTS, INC. EMPLOYEE BENEFIT	11657	1,175.00		Negotiable
12501		SPECIALISTS, INC. U.S. BANK NATIONA	11657	7,509.60		
12502		ASSOCIATION INTERNAL REVENUE		191,970.61		Negotiable
12503		SERVICE FRANCHISE TAX	SACRAMENTO	59,586.80		Negotiable
IRWD Ledger Upgrade	13 PMC 10	BOARD		01-MAR-18 To	20 MPD 10 D	Negotiable 29-MAR-2018 15:17
BANK: Bank of America N.A. Bank Account Currency:		ch : Los Angeles			ing AP and PR Page:	54
Payment Type: All	. 030 (03 2	Ollai j	Displ	Payment Curre lay Supplier Add		
Payment Type: All Payment Number Sequence Num	n Date	Supplier Name	Site	lay Supplier Add: Payment Amount	ress: No Cleared Date Cleared Amoun	t Status
Payment Type: All	n Date	Supplier Name	Site	lay Supplier Add: Payment Amount	ress: No Cleared Date Cleared Amoun	
Payment Type: All Payment Number Sequence Num	n Date	Supplier Name	Site	lay Supplier Add: Payment Amount	ress: No Cleared Date Cleared Amoun	
Payment Type: All Payment Number Sequence Num Payment Document : IRWD Wi	n Date re 16-MAR-18	Supplier Name	Site W SACRAMENTO	lay Supplier Add	ress: No Cleared Date Cleared Amoun	Negotiable
Payment Type: All Payment Number Sequence Num Payment Document : IRWD Wi	n Date Tre 16-MAR-18	Supplier Name EMPLOYMENT DEVELOPMENT DEPARTMENT	Site W SACRAMENTO	Payment Amount	ress: No Cleared Date Cleared Amoun	
Payment Type: All Payment Number Sequence Num Payment Document : IRWD Wi 12504	n Date Tre 16-MAR-18	Supplier Name EMPLOYMENT DEVELOPMENT DEPARTMENT ORDONEZ, CYNTHIA MARIE CALIFORNIA DEPARTMENT OF CHILD SUPPORT	Site W SACRAMENTO DESERT HOT SPR	Payment Amount 14,139.33 230.77	ress: No Cleared Date Cleared Amoun	Negotiable Negotiable
Payment Type: All Payment Number Sequence Num Payment Document : IRWD Wi 12504	n Date Tre 16-MAR-18	Supplier Name EMPLOYMENT DEVELOPMENT DEPARTMENT ORDONEZ, CYNTHIA MARIE CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES EMPLOYEE BENEFIT	Site W SACRAMENTO DESERT HOT SPR SACRAMENTO PO BOX	Payment Amount 14,139.33 230.77	ress: No Cleared Date Cleared Amoun	Negotiable Negotiable
Payment Type: All Payment Number Sequence Num Payment Document : IRWD Wi 12504 12505 12506	16-MAR-18	EMPLOYMENT DEVELOPMENT DEPARTMENT ORDONEZ, CYNTHIA MARIE CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES EMPLOYEE BENEFIT SPECIALISTS, INC. GREAT-WEST LIFE & ANNUITY INSURANCE	W SACRAMENTO DESERT HOT SPR SACRAMENTO PO BOX 11657	Payment Amount 14,139.33 230.77 1,993.83	ress: No Cleared Date Cleared Amoun	Negotiable Negotiable Negotiable
Payment Type: All Payment Number Sequence Num Payment Document: IRWD Wi 12504 12505 12506	16-MAR-18 16-MAR-18 16-MAR-18	EMPLOYMENT DEVELOPMENT DEPARTMENT ORDONEZ, CYNTHIA MARIE CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES EMPLOYEE BENEFIT SECIALISTS, INC. GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY MUNICIPAL WATER DISTRICT OF ORANGE	Site W SACRAMENTO DESERT HOT SPR SACRAMENTO PO BOX 11657 DENVER FOUNTAIN	Payment Amount 14,139.33 230.77 1,993.83 13,387.45	ress: No Cleared Date Cleared Amoun	Negotiable Negotiable Negotiable Negotiable
Payment Type: All Payment Number Sequence Num Payment Document: IRWD Wi 12504 12505 12506	16-MAR-18 16-MAR-18 16-MAR-18 16-MAR-18	Supplier Name EMPLOYMENT DEVELOPMENT DEPARTMENT ORDONEZ, CYNTHIA MARIE CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES EMPLOYEE BENEFIT SECIALISTS, INC. GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY MUNICIPAL WATER DISTRICT OF ORANGI COUNTY FILANC-BALFOUR	Site W SACRAMENTO DESERT HOT SPR SACRAMENTO PO BOX 11657 DENVER FOUNTAIN EVALLEY ACT	Payment Amount 14,139.33 230.77 1,993.83 13,387.45 126,744.84	ress: No Cleared Date Cleared Amoun	Negotiable Negotiable Negotiable Negotiable
Payment Type: All Payment Number Sequence Num Payment Document: IRWD Wi 12504 12505 12506 12507 12508	16-MAR-18 16-MAR-18 16-MAR-18 16-MAR-18 16-MAR-18	EMPLOYMENT DEVELOPMENT DEVELOPMENT DEPARTMENT ORDONEZ, CYNTHIA MARIE CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES EMPLOYEE BENEFIT SPECIALISTS, INC. GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY MUNICIPAL WATER DISTRICT OF ORANGI COUNTY FILANC-BALFOUR BEATTY JV FILANC-BALFOUR	W SACRAMENTO DESERT HOT SPR SACRAMENTO PO BOX 11657 DENVER FOUNTAIN EVALLEY ACT 4427724347 ESR	Payment Amount 14,139.33 230.77 1,993.83 13,387.45 126,744.84 635,307.61	ress: No Cleared Date Cleared Amoun	Negotiable Negotiable Negotiable Negotiable Negotiable
Payment Type: All Payment Number Sequence Num Payment Document: IRWD Wi 12504 12505 12506 12507 12508 12509	16-MAR-18 16-MAR-18 16-MAR-18 16-MAR-18 16-MAR-18 16-MAR-18	EMPLOYMENT DEVELOPMENT DEVELOPMENT DEPARTMENT ORDONEZ, CYNTHIA MARIE CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES EMPLOYEE BENEFIT SPECIALISTS, INC. GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY MUNICIPAL WATER DISTRICT OF ORANGI COUNTY FILANC-BALFOUR BEATTY JV FILANC-BALFOUR BEATTY JV BERTILL LYNCH CAPITAL SERVICES,	Site W SACRAMENTO DESERT HOT SPR SACRAMENTO PO BOX 11657 DENVER FOUNTAIN EVALLEY ACT 4427724347	Payment Amount 14,139.33 230.77 1,993.83 13,387.45 126,744.84 635,307.61 401,771.05	ress: No Cleared Date Cleared Amoun	Negotiable Negotiable Negotiable Negotiable Negotiable Negotiable
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Payment Type: All Payment Number Sequence Num Payment Document: IRWD Wi 12504 12505 12506 12507 12508 12509 12510 12511 12512 12513 12514 12515	16-MAR-18 16-MAR-18 16-MAR-18 16-MAR-18 16-MAR-18 19-MAR-18 19-MAR-18 19-MAR-18 27-MAR-18	EMPLOYMENT DEVELOPMENT DEVELOPMENT DEPARTMENT ORDONEZ, CYNTHIA MARIE CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES EMPLOYEE BENEFIT SPECIALISTS, INC. GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY MUNICIPAL WATER DISTRICT OF ORANGI COUNTY FILLANC-BALFOUR BEATTY JV MERRILL LYNCH CAPITAL SERVICES, INC CITIGROUP GLOBAL MARKETS INC. INTERNAL REVENUE SERVICE FRANCHISE TAX BOARD EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO DESERT HOT SPR SACRAMENTO PO BOX 11657 DENVER FOUNTAIN EVALLEY ACT 4427724347 ESR 211084000 CHARLOTTE NEW YORK FRESNO SACRAMENTO W SACRAMENTO	Payment Amount 14,139.33 230.77 1,993.83 13,387.45 126,744.84 635,307.61 401,771.05 3,794.03 645,106.64 174,386.90 54,472.41 13,838.87	ress: No Cleared Date Cleared Amoun	Negotiable

12519		27-MAR-18	EMPLOYEE BENEFIT		14,090.70			Negotiable
12520		27 - MAR-18	SPECIALISTS, INC. GREAT-WEST LIFE & ANNUITY INSURANCE	DENVER	127,228.26			Negotiable
	rade America N.A. unt Currency: Type: All	27-MAR-18 Brand USD (US I	Payment ch : Los Angeles Dollar)		r 01-MAR-18 To Account: Check	ing AP and PR ency: USD (U	Report Date: 29 Page: ! S Dollar)	Negotiable -MAR-2018 15:17 55
Promote Wall						Cleared		
			Supplier Name	Site	Payment Amount		Cleared Amount	Status
Payment Docum	ent : IRWD Wi	re						
12522		27-MAR-18	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	48,506.74			Negotiable
12523		27-MAR-18	U.S, BANK NATIONA ASSOCIATION	LST. LOUIS	32,761.63			Negotiable
12524		27-MAR-18	BANK OF AMERICA	SAN FRANCISCO	31,857.51			Negotiable
12525		27-MAR-18	U.S. BANK NATIONA ASSOCIATION		16,216.03			Negotiable
12526		27-MAR-18	SUMITOMO MITSUI BANKING	NEW YORK	34,839.86			Negotiable
12527		27-MAR-18	CORPORATION YORK INSURANCE SERVICES GROUP IN	PAY C	9,654.06			Negotiable
12528		27-MAR-18	- CA YORK INSURANCE SERVICES GROUP IN	PAY C	23,837.79			Negotiable
12529		27-MAR-18	- CA YORK INSURANCE SERVICES GROUP IN	PAY C	14,075.05			Negotiable
12530		29-MAR-18	- CA EMPLOYEE BENEFIT		13,316.96			Negotiable
12531		30-MAR-18	SPECIALISTS, INC. ORANGE COUNTY SANITATION	11657 FOUNTAIN VALLEY	22,004,844.40			Negotiable
12532		29-MAR-18	DISTRICT INTERNAL REVENUE	FRESNO	175,893.83			Negotiable
12533		29-MAR-18	SERVICE FRANCHISE TAX	SACRAMENTO	54,700.85			Negotiable
12534		29-MAR-18	BOARD EMPLOYMENT DEVELOPMENT	W SACRAMENTO	13,838.95			Negotiable
12535		29-MAR-18	DEPARTMENT CALIFORNIA DEPARTMENT OF CHILD SUPPORT	SACRAMENTO	1,993.83			Negotiable
12536		29-MAR-18	SERVICES GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY	DENVER	125,541.66			Negotiable
	rade	Branc	h : Los Angeles	Register For	26,632,611.17 01-MAR-18 To Account: Checki Fayment Curre ay Supplier Addi	30-MAR-18 ing AP and PR ency: USD (US		MAR-2018 15:17 6
Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
********							***********	Status
		Bank Acco	unt Subtotal :		40,346,295.40		9,157,325.91	
Report	Count : 1565			40,346,295.40		325.91	********	
			====	Disburser		**********	***	
				_ 555 47.564				

*** End of Report ***

\$ 40,346,295.40 Disbursements

<8,783.79> Voids
\$ 40,337,511.61 Total Voids and Disbursements

Exhibit "**E**[™]

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

March 2018

	AMOUNT	VENDOR	PURPOSE
3/2/2018 3/16/2018 3/30/2018	937,332.68 923,632.36 918,235.55 \$2,779,200.59	BANK OF AMERICA BANK OF AMERICA BANK OF AMERICA	ACH Payments for Payroll ACH Payments for Payroll ACH Payments for Payroll

Exhibit "F"

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-18 to 31-MAR-18

NAME	CHECK NO.	CHECK	AMOUNT	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Amezcua, Joshua E	385280	8-Mar-18	110.00	Certification Renewal	Wastewater Treatment Plant Operator Grade III
Carlos, Alex	385292	8-Mar-18	100.00	Certification Renewal	CA Division of Labor Standards - Electrician Certificate
Chaney, David	385281	8-Mar-18	154.00	Certification Renewal	Water Treatment Operator Grade II
Chaney, David	385281	8-Mar-18	168.00	Certification Renewal	Water Distribution Operator Grade II
Corral, Edward Jr	385282	8-Mar-18	125.00	Other(Misc)	Safety shoe allowance
Davis, Jennifer	385940	28-Mar-18	195.00	Membership Renewal	Certified Fixed Income Practitioner renewal
Garcia, Alejandro	385522	15-Mar-18	180.00	Membership Renewal	CWEA membership fee
Guzman, Juan	385064	1-Mar-18	145.46	Other(Misc)	Safety shoe allowance
Hoffman, Michael	385941	28-Mar-18	180.00	Membership Renewal	CWEA membership fee
Justice, Jack	385737	22-Mar-18	180.00	Membership Renewal	CWEA membership fee
LaMar, Steven	385283	8-Mar-18	229.45	Lodging	Calif. Environmental Dialogue, Sacramento, CA - Dec. 15, 2017
Lynch, Toni Marie	385740	22-Mar-18	116.00	Membership Renewal	Professional Engineers license renewal
Martin, Didene	385524	15-Mar-18	208.95	Other(Misc)	Safety shoe allowance
Matheis, Mary Aileen	385284	8-Mar-18	174.61	Lodging	2017 Colorado River Water Users Assoc. Conf., Las Vegas, NV - Dec. 12, 2017
Matheis, Mary Aileen	385284	8-Mar-18	174.61	Lodging	2017 Colorado River Water Users Assoc. Conf., Las Vegas, NV - Dec. 13, 2017
Moore, Jonathon	385285	8-Mar-18	105.00	Certification Renewal	Water Distribution Operator Grade IV
Norman, Tammy	385068	1-Mar-18	1,200.00	Other(Misc)	Meeting supplies
Robinson, Mitchell	385741	22-Mar-18	116.00	Membership Renewal	Professional Engineers license renewal
Ruiz, Ricky	385069	1-Mar-18	110.00	Certification Renewal	Water Distribution Operator Grade II
Saldana Rodriguez,	385288	8-Mar-18	113.09	Other(Misc)	Safety shoe allowance
Severin, Victoria	385526	15-Mar-18	167.02	Other(Misc)	Safety shoe allowance
Steinbeck, Brandon	385742	22-Mar-18	107.38	Other(Misc)	Safety shoe allowance
Swan, Peer	385290	8-Mar-18	587.96	Airfare	2017 Colorado River Water Users Assoc. Conf., Las Vegas, NV - Dec. 13-15,
Swan, Peer	385290	8-Mar-18	174.61	Lodging	2017 Colorado River Water Users Assoc. Conf., Las Vegas, NV - Dec. 13, 2017
Tran, Jason	385073	1-Mar-18	180.00	Membership Renewal	CWEA membership fee
Vazquez, Rafael	385075	1-Mar-18	190.00	Certification Renewal	Water Distribution Operator Grade III
Vazquez, Rafael	385076	1-Mar-18	170.00	Certification Renewal	Wastewater Treatment Plant Operator Grade III
Vazquez, Rafael	385076	1-Mar-18	350.00	Certification Renewal	Wastewater Treatment Plant Operator Grade III exam fee
	Total Am	ount:	\$ 6,012.14		

April 23, 2018

Prepared by: F. Sanchez Submitted by: P. Weghorst Approved by: Paul A. Cook

CONSENT CALENDAR

REVIEW OF SAN DIEGO CREEK WATER RIGHTS

SUMMARY:

Irvine Ranch Water District has the right to divert surface water from San Diego Creek to the San Joaquin Marsh for the support of wetland habitat and wildlife enhancements. A permit for an appropriative right was issued in 1998 by the State Water Resources Control Board that provides IRWD the ability to divert and put water to beneficial use in accordance with certain terms and a time schedule. The perfection of this appropriate right is subject to IRWD applying for and receiving a license from the State Board. When applying for the permit, IRWD also claimed a riparian right to San Diego Creek water. A recent review conducted by IRWD's legal counsel has concluded that it is advantageous for IRWD to divert water to the Marsh by exercising its riparian right rather than seeking to license its appropriative right. Following is an overview of information supporting this conclusion.

BACKGROUND:

There are three steps to securing an appropriative water right from the State Board's Division of Water Rights: 1) submitting a water right application, 2) obtaining a permit, and 3) obtaining a license. In April 1997, IRWD filed an application to appropriate water by permit with the State Board. IRWD's permit application also included a riparian claim to water from San Diego Creek stating that IRWD had previously exercised a riparian right by diverting water from the creek in quantified amounts. In November 1998, the State Board provided IRWD Permit 20979 (Permit), which is provided as Exhibit "A". This permit allows IRWD to divert and use water from San Diego Creek to support habitat and wildlife enhancements within the constructed wetlands of the San Joaquin Marsh.

Overview of Permit 20979:

The Permit that was issued to IRWD by the State Board includes conditions that the appropriated water be limited to the quantity that can be beneficially used within a 140-acre designated area. The Permit also authorizes a maximum diversion rate of five cubic feet per second, and an annual maximum diversion of 3,600 acre-feet (AF). The Permit specifies a development schedule for IRWD to complete construction of the San Joaquin Marsh and to establish beneficial use of the water by December 31, 2007. The construction of the Marsh was completed in 1998 and the Permit has since then been maximized by putting 3,600 AF per year to beneficial use. To prepare for licensing of the appropriative right, IRWD consultant Stetson Engineering, Inc. conducted an assessment of IRWD's permitted diversions.

Permit Assessment:

Stetson's assessment concluded that, in compliance with the Permit requirements, IRWD submitted Annual Water Use Reports to the State Board that provided information on monthly Consent Calendar: Review of San Diego Creek Water Rights

April 23, 2018

Page 2

diversions and water use, maximum rates of diversion and the status of the project with regard to the full beneficial use of the San Diego Creek. Stetson also determined that the rate of diversion for the current operations of the Marsh does not conform to the operational related terms of the Permit, and that the completion date to license the right was not met.

Discussion with State Board:

IRWD and Stetson participated in several conference calls with the State Board to discuss modifying IRWD's permit to increase the diversion rate and to request a time extension for licensing the right. State Board staff stated that the diversion rate could not be amended in the permit and that IRWD would need to apply for a new permit and provide supporting stream flow analysis. Alternatively, State Board staff suggested that IRWD consider relying upon its existing riparian right to divert water from San Diego Creek, which would not limit the rate of diversion. To determine the best approach to ensure IRWD's right to water, staff engaged legal counsel at Alston & Bird to evaluate both IRWD's San Diego Creek appropriative and riparian rights for purposes of operating the San Joaquin Marsh.

Legal Counsel Review:

In March 2018, IRWD's legal counsel at Alston & Bird completed a review of IRWD's water rights in San Diego Creek. Alston & Bird concluded that since IRWD's Marsh parcels are contiguous to San Diego Creek, that IRWD possesses a riparian right to divert water from San Diego Creek for use on its property. No permit is needed before a riparian right can be exercised and a riparian right is typically not quantified. Alston & Bird concludes that the State Board could not limit IRWD's riparian right absent an adjudication.

Review of Appropriative Right:

IRWD's appropriative right to draw on water from San Diego Creek through Permit 20979 is subject to conditions concerning the diversion and use of the water. The State Board may limit IRWD's appropriative right based on the conditions in the Permit and it is likely that the combined diversions from the riparian and appropriative right would be limited to the face value of the Permit. In other words, the riparian right is not additive to the appropriative right. IRWD could try to request that the State Board consider an interpretation that it is additive, but this would likely entail significant effort. Alternatively, Alston & Bird recommends that IRWD rely upon its existing riparian right to divert at the current quantity and rate of diversion.

Making use of Riparian Right:

IRWD's historic and existing diversions from San Diego Creek are consistent with IRWD's riparian right to water. Such diversions are already considered a baseline condition, therefore IRWD would not need to conduct any environmental review pursuant to the California Environmental Quality Act (CEQA) in making future use of its riparian right. While IRWD's riparian right could be limited in the future by new riparian claims from upstream landowners, an assessment of upstream permit holders and landowners does not seem to indicate that any new claims would be established.

Consent Calendar: Review of San Diego Creek Water Rights

April 23, 2018

Page 3

Based on the findings of Alston & Bird's legal review, staff intends to utilize IRWD's riparian right in order to continue to divert water from San Diego Creek for the optimal operation of the San Joaquin Marsh. Staff will notify the State Board of the change to the use of the riparian right in IRWD's Annual Water Use Report. Staff will also advise the State Board that IRWD does not intend to move forward in licensing its permitted appropriative right.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

IRWD's historic and existing diversions from San Diego Creek are consistent with IRWD's riparian right to water. Such diversions are already considered a baseline condition and cannot have a significant effect on the environment, and therefore environmental review pursuant to the CEQA is not necessary.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Policy and Communications Committee on April 5, 2018.

RECOMMENDATION:

RECEIVE AND FILE.

LIST OF EXHIBITS:

Exhibit "A" - Permit 20979 and Permit Application



State W ter Resources Contro. 30ard

John P. Caffrey, Chairman



Governor

Division of Water Rights

901 P Street • Sacramento, California 95814• (916) 657-0765 FAX (916) 657-1485 Mailing Address: P.O. Box 2000 • Sacramento, California • 95812-2000 Internet Address: http://www.swrcb.ca.gov

NOVEMBER 6 1998

In Reply Refer
to:331:CM:30618

Irvine Ranch Water District 15600 Sand Canyon Ave. P.O. Box, 57000 Irvine, CA 92619

Ladies and Gentlemen:

APPLICATION 30618 PERMIT 20979

Your water right permit is enclosed. The State Water Resources Control Board requires that you submit annual reports showing the progress you have made in the construction of your project or, if constructed, the use made under your permit which would qualify for licensing purposes. We will mail the forms to you when the reports are due.

Please note that, with respect to other rights attaching to this source, the priority of this right commences with the date of the application. Therefore, in time of water shortage, those with rights senior to yours can take their water first. Additional limitations on the diversion of water are specified by the terms of this permit. You should read the terms and conditions carefully so that you are familiar with your responsibilities as an appropriator of water under this entitlement.

After the project has been completed, an inspection will be made to determine the amount of water which has been placed to beneficial use within the terms of the permit. A license will then be issued confirming a right to that amount of water.

Please inform us of any changes in address or ownership.

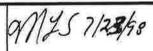
Sincerely,

Ed Dito Program Manager Application and Petition Section

WR 14a (11/94)







STATE OF CALIFORNIA CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY STATE WATER RESOURCES CONTROL BOARD

DIVISION OF WATER RIGHTS

PERMIT FOR DIVERSION AND USE OF WATER

Application 30618 of Irvine Ranch Wat	er District				
15600 Sand Canyon Avenue, P.O. Box 57	000, Irvine, CA	92619			
filed on May 16, 1997 , has been SUBJECT TO PRIOR RIGHTS and to the li	en approved by the mitations and co	ne State Wat onditions of	er Resourd this perm	es Cont ut.	irol Board
Permittee is hereby authorized to div	ert and use wate	er as follow	5:		
1. Source:	Tri	ibutary to:			
San Di ego Creek		oer Newport	Вау		
	F .				
2. Location of point of diversion	40-acre	Section Projected	Township	Range	Base and Meridian
By California Coordinate in Zone 6	public land survey or projection thereof	liojeses			
Point of Diversion #1 North 546,900 feet and East 1,515,800 feet	SW ¹ 4	8	65	9W	SB
Point of Diversion #2 North 547,552 feet and East 1,512,995 feet	SW ¹ 4	8	6S	9W	SB
		j			

County of Orange SWRCB 14 (6-94)

Permit	20979	

Application 30618
Page 2

3. Purpose of use:	4. Place of use:	Section	Township	Range	Base and Meridian	Acres
Wildlife Enhancement	140 Acres	8 17	6\$ 6\$	9W 9W	SB SB	
				-		-
				-		-
				1	 	-

The place of use is shown on map dated 6-17-97 on file with the State Water Resources Control Board.

- 5. The water appropriated shall be limited to the quantity which can be beneficially used and shall not exceed 5 cubic feet per second to be diverted from January 1 to December 31 of each year. The maximum amount diverted under this permit shall not exceed 3600 acre-feet per year (00000005)
- 6. The amount authorized for appropriation may be reduced in the license if investigation warrants (0000006)
- 7. Construction work shall begin within two years of the date of this permit and thereafter shall be prosecuted with reasonable diligence. (0000007)
- 8. Construction work shall be completed by December 31, 2003. (0000008)
- 9. Complete application of the water to the authorized use shall be made by December 31, 2007.
- 10. Progress reports shall be submitted promptly by permittee when requested by the State Water Resources Control Board until a license is issued. (0000010)
- 11. Permittee shall allow representatives of the State Water Resources Control Board and other parties, as may be authorized from time to time by said Board, reasonable access to project works to determine compliance with the terms of this permit. (0000011)
- 12. Pursuant to California Water Code Sections 100 and 275, and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of the State Water Resources Control Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

Permit	20979	

Application 30618
Page 3

The continuing authority of the Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the Board also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest; and is necessary to preserve or restore the uses protected by the public trust.

- 13. The quantity of water diverted under this permit and under any license issued pursuant thereto is subject to modification by the State Water Resources Control Board if, after notice to the permittee and an opportunity for hearing, the Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to Division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the Board finds that (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges (0000013)
- 14. During the season specified in this permit, the total quantity and rate of water diverted and used under this permit and under permittee's claimed existing right for the place of use specified in the permit shall not exceed the quantity and rate of diversion and use, respectively, specified in this permit. If the permittee's claimed existing right is quantified at some later date as a result of an adjudication or other legally binding proceeding, the quantity and rate of diversion and use allowed under this permit shall be the net of the face value of the permit less the amounts of water available under the existing right.

Permittee shall forfeit all rights under this permit if permittee transfers all or any part of the claimed existing right for the place of use covered by this permit to another place of use without the prior approval of the State Water Resources Control Board.

Permittee shall take and use water under the existing right claimed by permittee only in accordance with law (0000021)

2	o	9	7	9

Application	30618	Permit	
Page 4			

15. To the extent that water available for sue under this permit is return flow, imported water, or wastewater, this permit shall not be construed as giving any assurance that such supply will continue. (0000025)

16. This permit does not authorize any act which results in the taking of a threatened or endangered species or any act which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish and Game Code sections 2050 to 2097) or the federal Endangered Species Act (16 U.S.C.A. sections 1531 to 1544). If a "taking" will result from any act authorized under this water right, the permittee shall obtain an incidental take permit prior to construction or operation. Permittee shall be responsible for meeting all requirements of the applicable Endangered Species Act for the project authorized under this permit.

(0000014)

This permit is issued and permittee takes it subject to the following provisions of the Water Code:

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

Dat NOVEMBER 6 1998

STATE WATER RESOURCES CONTROL BOARD

Chief, Division of Water Rights

F0R0053-R1

MINIMUM FLING FEE: \$100.00 FILE ORIGINAL & ONE COPY TYPE OR PRINT IN BLACK INK

STATE OF CALIFORNIA State Water Resources Control Board **DIVISION OF WATER RIGHTS**

P. O. Box 2000, Sacramento, CA 95812-2000

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1. AF	PPLICANT			(1	WEAR DIRING		
1	Irvine Ranch Wa	ter District			(714),52 - 5	200
6.5	15600 Sand Cany	(Name of applicant)				number where you a. m. and 5 p. m v	
	NATIONAL PARTY	on Avenue				E at a v a pr mt.	
_ P	(Ma.ing address)			vine y or town)		CA	92619
2. S	OURCE		(Oil	y or soun;	G	Smm)	(Zip code)
	The name of the source	at the point of diversion is Newport Bay		ego Creek		ned stream, spring.	erc)
b.	in a normal year does the	ne stream dry up at any poin				□ NO ŒS II;	yes, during
		dry? From N/A are available to your project		n al mus man			
		are available to your project bry stream or nonavailability				giversion seasoi	n be
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D	Inlet - 2,188,	E1,512,995 971:6,075,562	1/4	of	14 8	65 191	W151
			144	of	14	1	1
đ.	If applicant does not own obtain right of access: _ URPOSE of USE, A	land at the point of diversion in the land at point of diversion. MOUNT and SEASON	on, state name a	and address o		water for each o	urnose
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a .	and the dates between a (approximately 16,000 g	which diversions will be mad allons per day). Purpose mu DRECT I OUANTITY RATE (Cubic feet per abcond or pallons per day) per year)	DIVERSION BEASON OF Beginning Date (Mo & Day)	per day if rate nestic" for regi DIVERSION Ending Date	s less than 0 stration of sn AMOUNT Acre-feet	.025 cubic loof nall domestic us STORAGE COLLECTK Beginning Date	DET SECOND ON SEASON Ending De
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* Not to exceed 4,500 gallons per day by direct diversion or 10 acre-feet per annum by storage.

WR 1 (691)

•	L IRRIGATION	: Maximum area t	o be imigated in ar	ny one year is	140	acres.		
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d	. RECREATION	IAL: Type of recre	ation: Fishing		ng 🗀 Boa		Other [_
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Ļ								
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		Basis for determin	alion of amount of	water needed is_				
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	POWER: The to	etal fall to be utilized	it per second. The	maximum theoretic	cal horsecower co	adaNe -I ~	IDO COCCENTE	
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6. PLACE OF USE

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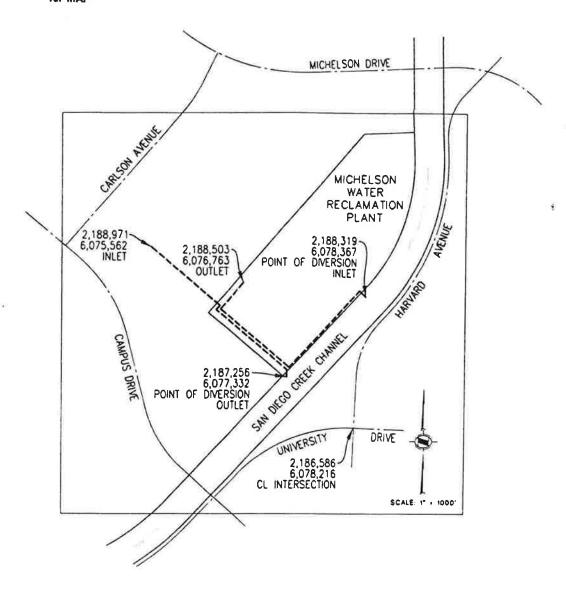
Is it planned to individually meter			CIN OFFICE CSIZIS:	YES NO IXX CA
Is it planned to individually meter of List the names and addresses of o	contemplated? YES NO XX			
. List the names and addresses of (each service connection? YES . N	O ☐ If yes,	When? N/A	
diversion: No known do	diverters of water from the source of su wnstream diversions oc	pply downstre curring.	am from the propose	d point of
Is the source used for navigation, diversion, or does the source subboals? YES NOXX If ye	including use by pleasure boats, for a stantially contribute to a waterway which explain:N/A	ignificant part	of each year at the paying a	ioint of
XISTING WATER RIGHT				
Do you claim an existing right for till yes, complete table below:	the use of all or part of the water sought	by this applic	ation? YES XX N	P
Nature of Right Year (ipanan, appropriative, groundwater) First U	Purpose of use made in recent years including amount, if known	Season of Use	Source	Location of Point of Diversion
Riparian 1996	Nitrogen Removal	Nov-De	San Diego Creek	See #3 above
	Testing 5 cfs	1	I	See #3 above
		1	i	
Irvine Ranch Water		those matters	designated as follow	s :
Kenneth A. Thompson		(714	453-5850)
(Name of ago	(m)	(Telepho	ine number of agent betwe	en 8 a.m. and 5 p. m.)
P.O. Box 57000 (Maxing address)	Irvine			19-7000
	(City or town)		(S :a:e)	(Zip code)
authorized to act on my behalf as r	ny agent.			
·	г			
GNATURE OF APPLICANT				
IGNATURE OF APPLICANT we) declare under penalty of perjur	y that the above is true and correct to the	ne best of my	(our) knowledge and	
we) declare under penalty of perjur		ne best of my ((our) knowledge and	beliel. , Calilornia
we) declare under penalty of perjur	y that the above is true and correct to the	ne best of my ((our) knowledge and	
we) declare under penalty of perjur	y that the above is true and correct to the	ne best of my	(our) knowledge and	
we) declare under penalty of perjur	y that the above is true and correct to the second	Lucia	(our) knowledge and	

Additional information needed for preparation of this application may be found in the Instruction Booklet entitled "HOW TO FILE AN APPLICATION TO APPROPRIATE WATER IN CALIFORNIA". If there is insufficient space for answers in this form, attach extra sheets. Please cross-reference all remarks to the numbered item of the application to which they may refer. Send original application and one copy to the STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER RIGHTS, P. O. Box 2000, Sacramento, CA 95810, with \$100 minimum filing fee.

NOTE:

If this application is approved for a permit, a minimum permit fee of \$100 will be required before the permit is issued. There is no additional fee for registration of small domestic use.

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- (1) Show location of the stream or spring, and give name.
- (2) Locate and describe the point of diversion (i. e. the point at which water is to be taken from the stream or spring) in the following way: Begin at the most convenient known corner of the public land survey, such as a section or quarter section corner (if on unsurveyed land more than two miles from a section corner, begin at a mark or some natural object or permanent monument that can be readily found and recognized) and measure directly north or south until opposite the point which it is desired to locate; then measure directly east or west to the desired point. Show these distances in figures on the map as shown in the instructions.
- (3) Show location of the main dich or pipeline from the point of diversion.
- (4) Indicate clearly the proposed place of use of the water. *See attached exhibit

14. SUPPLEMENTAL INFORMATION

- If you are applying for a permit, Environmental Information form WR1-2 should be completed and attached to this form.
- b. If you are registering a small domestic use, Fish and Game Information form WR1-3 should be completed and attached to this form.
- c. If you are applying for underground storage, Supplement 1 to WR 1 (available upon request) should be completed and attached to this form.

SUPPLEMENT TO APPLICATION TO APPROPRIATE WATER BY PERMIT

4. PURPOSE of Use, AMOUNT and SEASON

The maximum diversion rate will be 5 cfs, occurring between April 1 and September 30, and if water quality and weather conditions permit, between October 1 and March 31. A maximum 3,600 acre feet of water per year will be diverted. All the water will be diverted into two deep ponds used to insure adequate water quality, then into a maximum 67 acres of shallow open water "duck ponds". Some of the water will be used to irrigate approximately 26.5 acres of riparian habitat associated with the duck ponds.

Up to 5 cfs will pass through the ponds and back into San Diego Creek. This flow-through operation will minimize algae growth, eliminate nuisance stagnant water and vector conditions, and remove approximately half of the nitrogen in the creek water.

Based on irrigation demand (which will be a function of weather, season, type of vegetation, and stage of growth), water in the duck ponds will be delivered into the adjacent portions of the San Joaquin Marsh to maintain riparian and wetland areas covering approximately 46.5 acres. The primary purpose of this water is to maintain vegetation associated with natural wetland and riparian habitats. Any irrigation tail water will be returned into the duck ponds, and subsequently discharged back into San Diego Creek. A maximum 5 cfs will be consumed in the San Joaquin Marsh. (See #5 below)

5. a & k JUSTIFICATION of AMOUNT

The uses of the diverted water are irrigation of habitat (a) and wildlife preservation/enhancement (k). The diversion will be used to supply water to a single system that is composed of 67 acres of duck ponds and a 73 acre riparian area mitigation site. All of the diverted water initially flows through the ponds to provide habitat for a multitude of migratory and non-migratory bird species. Up to 5 cfs is required to minimize algae growth and minimize stagnant and vector conditions in the duck ponds. The flow of up to 5 cfs exiting the duck ponds is either delivered into the irrigation system for the riparian area mitigation site or returned into San Diego Creek. The methods of irrigation are flood, spray, and drip. The amount of flow consumed in irrigation versus the amount returned into San Diego Creek is dependent on weather conditions, season, types of vegetation and stage of growth. The diversion season will be between April 1 and September 30, and if and to the extent weather and water quality conditions permit, October 1 through March 31. A maximum of 3,600 acre-feet per year will be diverted.

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER RIGHTS 901 P Street, Sacramento P.O. Box 2000, Sacramento, CA 95812-2000

APPLICATION TO APPROPRIATE WATER BY PERMIT ENVIRONMENTAL INFORMATION

(THIS IS NOT A CEQA DOCUMENT)

APPLICATION NO.

30618

(leave blank)

The following information will aid in the environmental review of your application as required by the California Environmental Quality Act (CEQA). IN ORDER FOR YOUR APPLICATION TO BE ACCEPTED AS COMPLETE, ANSWERS TO THE QUESTIONS LISTED BELOW MUST BE COMPLETED TO THE BEST OF YOUR ABILITY. Failure to answer all questions may result in your application being returned to you, causing delays in processing. If you need more space, attach additional sheets. Additional information may be required from you to amplify further or clarify the information requested in this form.

PROJECT DESCRIPTION

1. Provide a description of your project, including but not limited to type of construction activity, structures existing or to be built, area to be graded or excavated and project operation, including how the water will be used.

San Diego Creek water will be diverted into various portions of the San Joaquin Marsh. Approximately 5 cfs will be used to maintain waterfowl poinds and remove nitrogen from the creek water.

Diverted water will be used to irrigate wetland and riparian areas in the San Joaquin Marsh. The total demand for water should not exceed 5 cfs, and any water in excess of the irrigation needs will be returned into San Diego Creek. The excess water will be returned several hundred yards downstream of the diversion.

For a more detailed explanation of water use, refer to the San Joaquin Marsh Enhancement Plan EIR and Wetland Water Supply Project EIR.

WR 1-2 (3/94)

GOVERNMENTAL REQUIREMENTS

Before a final decision can be made on your water right application, we must consider the information contained in an environmental document prepared in compliance with the requirements of CEQA. If an environmental document has been prepared for your project by another agency, we must consider it. If one has not been prepared, a determination must be made as to who is responsible for the preparation of the environmental document for your project. The following questions are designed to aid us in that determination.

2.	Contact your county planning or public works department for the following information:
	(a) Person contactedN/A Date of contact Department Telephone ()
	Department Telephone ()
	(b) Assessor's Parcel No.: 445-061-49,53; 445-073-05 (Pages attached)
	(c) City Zoning Designation: City of Irvine Open Space: Preservation/Recreation
	(d) Are any county permits required for your project? <u>Yes</u> If you answered yes, check appropriate spaces below: Grading Permit, Use Permit,X Watercourse Obstruction Permit, Change of Zoning, General Plan Change, Other (explain):
	(e) Have you obtained any of the required permits described above? <u>Yes</u> If you answered yes, provide a complete copy of each permit obtained. (Copy enclosed)
3.	Are any additional state or federal permits required for your project? <u>Yes</u> [i.e., from Federal Energy Regulatory Commission, U.S. Forest Service, Bureau of Land Management, Soil Conservation Service, Department of Water Resources (Division of Safety of Dams), Reclamation Board, Coastal Commission, State Lands Commission, etc.] For each agency from which a permit is required provide the following information: Permit type: (See attached permits)
	Person(s) contactedN/A Agency
	Date of contact Telephone ()
4.	Has any public agency prepared an environmental document for any aspect of your project? Yes
	If a subsect on the letter on the letter on the letter of the letter on the letter of the letter on the letter of the letter on the letter of the letter on the letter of the letter on the letter of the letter on the letter of the letter on the letter of the letter on the letter of the letter on the letter of the letter on the letter of the letter of the letter on the letter of

If so, please submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the public agency.

Copy enclosed of: City of Irvine Marsh Enhancement Plan EIR and Irvine Ranch Water District Wetlands Water

Supply Project EIR

If not, explain below whether you expect that a public agency other than the State Water Resources Control Board will be preparing an environmental document for your project or whether the applicant, if it is a California public agency, will be preparing the environmental document for your project:

N/A

Note: When completed, please submit a copy of the final environmental document (including notice of determination) or notice of exemption to the State Water Resources Control Board. Processing of your water right application cannot proceed until such documents are submitted.

Will your project, during construction or operation, generate waste or wastewater 5. containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or cause erosion, turbidity or sedimentation? No

If so, explain: N/A

If you answered yes or you are unsure of your answer, contact your local Regional Water Quality Control Board for the following information (See attachment for address and telephone number):

Will a waste discharge permit be required for your project? No

Person contacted

N/A

Date of contact

What method of treatment and disposal will be used? <u>N/A</u>

Have any archeological reports been prepared on this project, or will you be 6. preparing an archeological report to satisfy another public agency? Yes

Do you know of any archeological or historic sites located within the general project area? Yes

If so, explain: Cultural resources within the study area primarily consist of midden loci and lithic scatters associated with villages and temporary camps. There is evidence of Native American burials in the project area. The San Joaquin Marsh Enhancement Plan Section 4.3 discusses cultural resources and provides a cultural resources mitigation plan.

ENVIRONMENTAL SETTING

- Attach THREE COMPLETE SETS of color photographs, clearly dated and labeled, 7. showing the vegetation currently existing at the following locations:
 - (a) Along the stream channel immediately downstream from the proposed point(s) of diversion

- (b) Along the stream channel immediately upstream from the proposed point(s) of diversion
- (c) At the place(s) where the water is to be used.

Note: It is very important that you submit no less than three complete sets of photographs as required above. If less than three sets are submitted, processing of your application will be delayed until you furnish the remaining sets!

8. From the list given below, mark or circle the general plant community types which best describe those which occur within your project area. (Note: See footnote denoted by * under Question 11 below):

Tree Dominated Communities

Subalpine Conifer

Red Fir

Lodgepole Pine

Mixed Conifer

Sierran Mixed Conifer

White Fir

Klamath Mixed Conifer

Douglas-Fir

Jeffrey Pine

Ponderosa Pine

Eastside Pine

Redwood

Pinyon-Juniper

Juniper

Aspen

Closed-Cone Pine-Cypress

Montane Hardwood-Conifer

Montane Hardwood

Valley Foothill Hardwood

Blue Oak Woodland

Valley Oak Woodland

Coastal Oak Wodland

Valley Foothill Hardwood-Conifer

Blue Oak Digger Pine

Eucalyptus

Montane Riparian

Valley Foothill Riparian

Desert Riparian

Palm Oasis

Joshua Tree

Shrub Dominated Communities

Alpine Dwarf-Shrub

Low Sage

Bitterbrush

Sagebrush

Montane Chaparral

Mixed Chaparral

Chamise-Redshank Chaparral

Coastal Scrub

Desert Succulent Shrub

Desert Wash

Desert Scrub

Alkali Desert Scrub

Herbaceous Dominated Communities

★ Annual Grassland

Perennial Grassland

* Wet Meadow

* Fresh Emergent Wetland

Saline Emergent Wetland

Pasture

Aquatic Communities

Riverine

* Lacustrine

Estuarine

Marine

Developed Communities

Cropland

Orchard-Vineyard

Urban

Literature source: Mayer, K.E., and W.F. Laudenslayer, Jr., (eds). 1988. A Guide to Wildlife Habitats of California. California Department of Forestry and Fire Protection, Sacramento. 166 pp. (Note: You may view a copy of this document at our public counter at the address given at the top of this form or you may purchase a copy by calling the California Department of Fish and Game, Wildlife Habitat Relationships (WHR) Program, at 916/653-7203)

9. Provide below an estimate of the type, number, and size (trunk/stem diameter at chest height) of trees and large shrubs that are planned to be removed or destroyed due to construction and operation of your project. Consider all aspects of your project, including diversion structures, water distribution and use facilities, and changes in the places of use due to additional water development.

Within San Diego Creek, no trees or large shrubs will be removed. Within the San Joaquin Marsh, some trees and large shrubs were removed and mitigated to accommodate the restoration. Since the San Joaquin Marsh is considered a wetland, all vegetation removal is under USACOE 404 Permit and was reviewed by other responsible agencies.

FISH AND WILDLIFE CONCERNS

10. Identify the typical species of fish which occur in the source(s) from which you propose to divert water and discuss whether or not any of these fish species or their habitat has been or would be affected by your project (Note: See footnote denoted by * under Question 11 below):

Fish common to Southern California fresh water streams including carp, chubs, and shiners were identified in San Diego Creek in the vicinity of the wetwell intake. The intake is located adjacent to the pilot channel and is connected by a temporary channel to the pilot channel minimizing to insignificance the impact on the fishery. Discussion of fish, infauna, and plant communities are contained in the Addendum to the Irvine Ranch Water District's Wetlands Water Supply Project EIR.

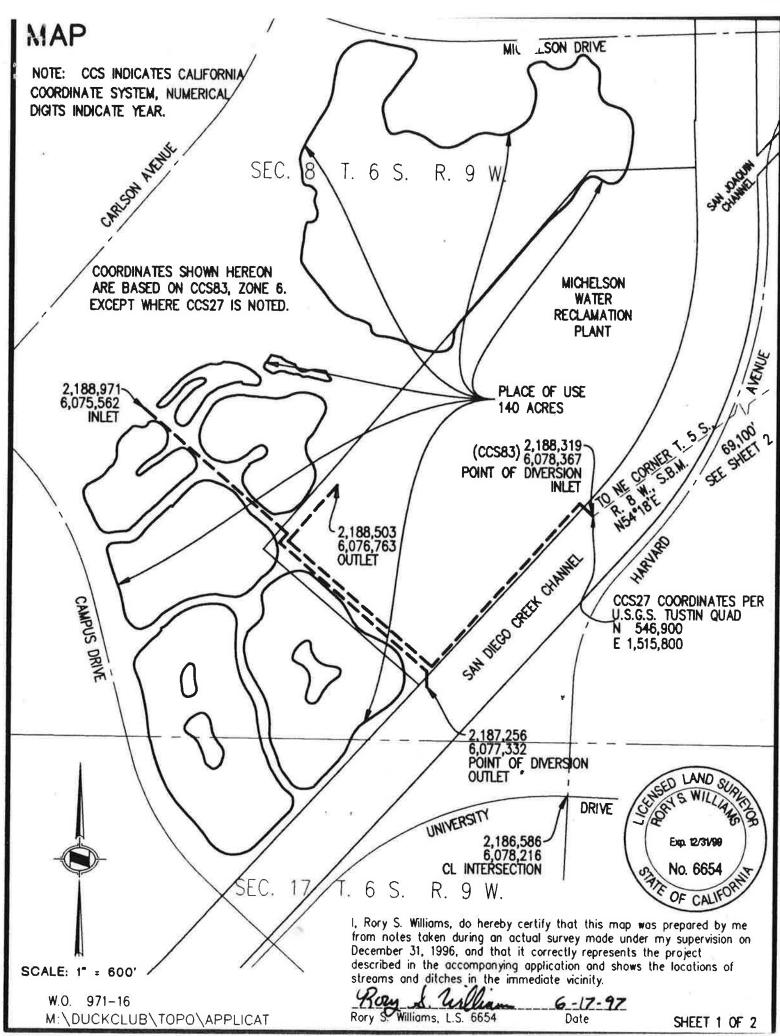
11. Identify the typical species of riparian and terrestrial wildlife in the project area and discuss whether or not any of these species and/or their habitat has been or would be affected by your project through construction of water diversion and distribution works and changes in the places of water use (Note: See footnote denoted by * below):

Primary plant communities are Tule Marsh, Willow-Woodland/Mulefat Scrub and Alkali Meadow/Seasonal Wetland, Seasonal Pond and Ruderal Lowland/Upland. Primary animal species other than birds include: five species of amphibian, sixteen species of reptile, and twenty-one species of mammals. Numerous bird species including migratory water fowl, raptors, passerines and swallows are present. Five listed or proposed bird species and one reptile have been observed in the marsh. Detailed lists are contained in the San Joaquin Marsh Enhancement Plan EIR Section 4.4. Impacts and mitigations are stipulated in the 404 Permit and 1601 Agreement.

- *Note: The purpose of Questions 10 and 11 are to provide a preliminary assessment of the presence of typical plant and animal species in the project area and whether these species might be affected by your project. Detailed site surveys to quantify populations of specific species or determine the presence of rare or endangered species may be required at a later date. It is very important that you answer these questions accurately. If you are unable to obtain appropriate answers from your local California Department of Fish and Game biologists (See attachment for address and telephone number) or you do not have adequate information for expertise to complete your answers, you should hire a fishery consultant and/or wildlife consultant to review your project and prepare suitable answers for you. For information on available qualified fishery or wildlife consultants near you, consult your local telephone directory yellow pages under Environmental and Ecological Services, or call the California Environmental Protection Agency, Registered Environmental Assessor (REA) Program, at 916/324-6881 or the University of California, Cooperative Extension Service (See your local telephone directory white pages).
- 12. Does your proposed project involve any construction or grading-related activity which has significantly altered or would significantly alter the bed or bank of any stream or lake? Yes

If so, explain: Grading to construct the intake structure, surrounding stilling basin, and connection to the pilot channel required movement of several hundred yards of creek bed. An ACOE 404 Permit and CDFG 1601 Agreement have been secured for the work (attached).

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VICINITY MAP T 4 S T 4 S T 5 S T 5 S CCS27 COORDINATES PER-U.S.G.S. BLACK STAR CANYON QUAD N 587,200 E 1,571,900 ₹ 3 ≥ ≥ 2 တ ≥ ≥ 2 00 00 o ω 02 œ œ 2 SEE SHEET 1 T 5 S T 5 S T 6 S T 6 S 2 1 6 POINT OF DIVERSION INLET 12 7 CCS27 COORDINATES PER U.S.G.S. TUSTIN QUAD N 546,900 15 14 13 18 16 E 1,515,800 3 3 3 ≥ 3 ∞ 9 ∞ 6 8 2 œ₁₉ 2 œ 2400 20 21 22 23 30 29 28 27 26 25 35 36 33 34 31 32 T 6 S T 6 S T,7 S T 7 S W.O. 971-16 SCALE: 1" = 10000" SHEET 2 OF 2 M: \DUCKCLUB\TOPO\APPLICA2

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April 23, 2018

Prepared by: J. Dayer Submitted by: K. Drake

Approved by: Paul A. Cook

CONSENT CALENDAR

OPERATIONS CENTER AIR HANDLER DUCT REPLACEMENT CONSTRUCTION AWARD

SUMMARY:

The IRWD Operations Center air handling units distribute conditioned air to the building through a network of insulated roof-mounted ductwork. The existing ductwork is original to this building and now shows the normal wear expected of galvanized metal ducting exposed to the elements over 30 years. The ductwork has been repaired periodically to extend its service life but now requires replacement.

Staff recommends that the Board authorize the General Manager to execute a construction contract with Los Angeles Air Conditioning, Inc., in the amount of \$255,756 for the Operations Center Air Handler Duct Replacement Project.

BACKGROUND:

The Operations Center was built in 1994 and provides office and shop workspace for Water Operations, Recycling Operations, Maintenance Operations, the Water Quality Laboratory, and other departments. The indoor air quality of these spaces is maintained by four air handling units that filter, regulate, and circulate air as part of the heating, ventilating, and air conditioning (HVAC) system. While the air handling units remain in good operating condition, the air handler ductwork requires replacement due to environmental exposure over time.

Bid Process:

Staff issued a Request for Proposal to a select list of four qualified contractors in March 2018. All four contractors attended a job walk held on March 29, 2018. The bid opening was held on April 9, 2018 with two contractors submitting bids. Los Angeles Air Conditioning, Inc. submitted a proposal in the amount of \$255,756.00. Ram Air Engineering submitted a bid that was not opened and deemed non-responsive as they did not submit the required bid bond by the submission deadline. EMCOR and Christian Bros declined to bid citing their current workload and project timing. The bid summary is as follows:

Supplier	Bid Amout
Los Angeles Air Conditioning, Inc.	\$255,756
Ram Air Engineering, Inc.	Non-responsive
EMCOR	No bid
Christian Brothers Air Conditioning, Inc.	No bid

Los Angeles Air Conditioning installed the HVAC systems at the Baker Water Treatment Plant; staff found this contractor's workmanship and post-installation support to be excellent.

Consent Calendar: Operations Center Air Handler Duct Replacement Construction Award

April 23, 2018

Page 2

FISCAL IMPACTS:

Funding to complete the Operations Center Air Handler Duct Replacement Project is included in the 2017-18 capital budget, Projects 07117, 07118 and 07119.

ENVIRONMENTAL COMPLIANCE:

This activity does not constitute a project as defined by the California Environmental Quality Act pursuant to section 15378 of the California Code of Regulations, Title 14, Division 6, Chapter 3.

COMMITTEE STATUS:

Construction awards are not routinely taken to Committee prior to submittal to the Board.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH LOS ANGELES AIR CONDITIONING, INC. IN THE AMOUNT OF \$255,756 FOR THE OPERATIONS CENTER AIR HANDLER DUCT REPLACEMENT PROJECTS.

LIST OF EXHIBITS:

None.

April 23, 2018

Prepared by: J. Dayer Submitted by: K. Drake

Approved by: Paul A. Cook / Col

CONSENT CALENDAR

OPERATIONS CENTER COMPUTER ROOM HEATING, VENTILATION, AND AIR CONDITIONING REPLACEMENT CONSTRUCTION AWARD

SUMMARY:

The existing heating, ventilation and air conditioning (HVAC) for the Operations Center Computer Room is original to the building and requires frequent repair. It also does not have sufficient capacity to manage heat loads that will be imposed by planned equipment upgrades and additions.

Staff recommends that the Board authorize the General Manager to execute a construction contract with Los Angeles Air Conditioning, Inc. in the amount of \$215,694 for the Operations Center Computer Room HVAC Replacement.

BACKGROUND:

The Operations Center was built in 1994 and provides office and shop workspace for Water Operations, Recycling Operations, Maintenance Operations, and the Water Quality Laboratory. The Operations Center computing infrastructure is primarily housed in the computer room located in the south wing of the second floor. The computer room is cooled by a Liebert 10-ton capacity air conditioning system that is original to the building. Current heat loads in the space require the Liebert system to run at near 100% load 24 hours a day. This proposed replacement will upgrade the the system to a 20-ton capacity unit with a redundant dual compressor configuration. The increased capacity will be sufficient to meet anticipated cooling demand for the forseeable future.

Staff issued a Request for Proposal to a select list of four qualified contractors in March 2018. All four contractors attended a job walk held on March 29, 2018. The bid opening was held on April 9, 2018 with two contractors submitting bids. Los Angeles Air Conditioning, Inc. submitted a proposal in the amount of \$215,694. Ram Air Engineering submitted a bid that was not opened and deemed non-responsive as they did not submit the required bid bond by the submission deadline. Emcor and Christian Bros declined to bid citing its current workload and project timing. The bid summary is as follows:

Supplier	Bid Amout
Los Angeles Air Conditioning, Inc.	\$215,694
Ram Air Engineering, Inc.	Non-responsive
Emcor	No bid
Christian Brothers Air Conditioning, Inc.	No bid

Los Angeles Air Conditioning installed the HVAC systems at the Baker Water Treatment Plant; staff found this contractor's workmanship and post-installation support to be excellent.

Consent Calendar: Operations Center Computer Room HVAC Replacement Construction

Award

April 23, 2018

Page 2

FISCAL IMPACTS:

Funds were included in the 2017-18 operating budget sufficient complete the Operations Center Computer Room HVAC replacement.

ENVIRONMENTAL COMPLIANCE:

This activity does not constitute a project as defined by the California Environmental Quality Act pursuant to section 15378 of the California Code of Regulations, Title 14, Division 6, Chapter 3.

COMMITTEE STATUS:

Construction awards are not routinely taken to Committee prior to submittal to the Board.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH LOS ANGELES AIR CONDITIONING, INC. IN THE AMOUNT OF \$215,694.00 FOR THE OPERATIONS CENTER COMPUTER ROOM HEATING, VENTILATION AND AIR CONDITIONING REPLACEMENT.

LIST OF EXHIBITS:

None.

April 23, 2018

Prepared by: K. Lew

Submitted by: K. Burton

Approved by: Paul A. Cook

ACTION CALENDAR

CONSTRUCTION INSPECTION SERVICES AGREEMENT

SUMMARY:

The current construction inspection workload for capital, development and operational improvement projects continues to exceed a level that can be supported by the District's inspection staff. Staff recommends that the Board authorize the General Manager to execute a Professional Services Agreement with AndersonPenna in the amount of \$1,873,053 for three inspectors over a period of two years for construction inspection services.

BACKGROUND:

The District's current and upcoming inspection workload for capital, development and operational improvement projects continues to exceed the level that can be supported by the District's staff. The District's construction inspection group consists of eight staff inspectors and five consultant inspectors who are currently responsible for the inspection, field coordination, documentation and record drawing preparation of over 520 projects spread across the District. Based on currently active and upcoming construction projects planned by the major developers including Irvine Company, FivePoint Communities, Lennar and the City of Tustin, staff anticipates the need for continued consultant field inspection support for a period of up to two years. Upon completion of the current high volume of construction projects, staff anticipates that these inspection services will no longer be required as the workload should return to a level that can be supported by District inspection staff.

In September 2012, the Board awarded a Professional Services Agreement to AndersonPenna, a construction management and inspection services company for on-call field inspection services. In January 2014 and August 2016, the Board authorized variances to extend the services. AndersonPenna is currently providing three experienced inspectors under its on-call contract that have worked well within the District's inspection group and have demonstrated the ability to inspect and coordinate multiple projects simultaneously.

Funds for the current agreement with AndersonPenna will be expended by May 2018. Due to the experience, attention to detail and quality work of the current consultant inspectors, staff requests a new Professional Services Agreement for continued inspection services. AndersonPenna's fully-burdened rate for its senior inspectors is \$136 per hour through June 30, 2018 and \$140 per hour starting July 1, 2018, which includes office space and office equipment, truck and fuel, cell phone and laptop computer. This billing rate has increased from the current \$118 per hour rate to account for increases in overhead costs associated with rent, health benefits, insurance, technology and vehicles costs as well as prevailing wage increases. Staff recommends executing a new Professional Services Agreement with AndersonPenna in the amount of \$1,873,053 for three inspectors for two additional years of construction inspection services. AndersonPenna's proposal is included as Exhibit "A".

Action Calendar: Construction Inspection Services Agreement

April 23, 2018

Page 2

FISCAL IMPACTS:

Funding for the construction inspection services will be provided from the various developer and capital projects being constructed as part of each project's budget.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on April 17, 2018.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH ANDERSONPENNA IN THE AMOUNT OF \$1,873,053 FOR CONSTRUCTION INSPECTION SERVICES FOR THREE INSPECTORS FOR A TWO-YEAR PERIOD.

LIST OF EXHIBITS:

Exhibit "A" - AndersonPenna's Proposal

EXHIBIT "A"



March 13, 2018

Kelly Lew, PE Principal Engineer of Development and Inspection Services Irvine Ranch Water District 15600 Sand Canyon Avenue Irvine, CA 92618

Subject: Revised Proposal for Renewal of Agreement Between the Irvine Ranch Water District (IRWD and AndersonPenna Partners, Inc. for Professional As-Needed Public Works Inspection Services

Dear Ms. Lew.

AndersonPenna Partners, Inc. (APP) greatly appreciates the opportunity to submit this revised proposal to the Irvine Ranch Water District (IRWD) to renew our agreement for professional on-call public works inspection services.

Our successful, service-focused partnership with IRWD allows us to consistently provide IRWD with the following:

- Proven public works inspectors with significant, directly relevant experience with very similar water infrastructure projects.
- A team of inspectors with extensive experience overseeing IRWD projects and permits and established relationships with IRWD staff.
- The coordination and problem-solving support of Inspection Services Manager Gary Heinbuch.

APP proposes Senior Public Works Inspectors Mark Sanchez, Gary Lozonne and Jason Pilgrim to continue their current assignments with IRWD. Their resumes are enclosed for your convenience. Additional inspectors, as approved by IRWD, can of course be added at the District's request. APP's estimated fee for the renewal contract is also enclosed.

APP's contractual contact is:

Mr. Gary Heinbuch, Inspection Services Manager AndersonPenna Partners, Inc. 3737 Birch Street, Suite 250, Newport Beach, CA 92660 Cell: (951) 533-4041, Email: gheinbuch@andpen.com

Please feel free to contact Gary using the contact information listed above, or me at (714) 458-0703 or ddemilia@andpen.com, should you require additional information. We enthusiastically look forward to being of continued service to IRWD under this contract renewal.

Sincerely,

AndersonPenna Partners, Inc.

Dino P. D'Emilia, PE, F.ASCE, QSD

Vice President, Construction Services

3737 BIRCH STREET, SUITE 250 . NEWPORT BEACH, CA 92660 . 949 428 1500

1225 W. 190TH STREET, SUITE 255 . GARDENA, CA 90248 . 310 359 1203

1680 | Van Buren Boulevard • Riverside, CA 92504 • 95 | 200 302 |

WWW.ANDPEN.COM

CERTIFIED DBE

Resumes

Mark Sanchez Senior Public Works Inspector

Education

Chaffey Junior College, Rancho Cucamonga, CA

Certifications

Metrolink Safety-Trained
ACI Concrete Field Testing
Technician, #00163572
10-Hour Construction OSHA Safety
Heavy Equipment-Teamsters Union
Training

Years of ExperienceEntered the profession in 2000

Drawing upon more than 18 years of experience, Mark Sanchez skillfully conducts inspections on projects to construct many types of water and roadway infrastructure. Mark's inspection background includes water transmission mains and pipes, pump stations, wastewater treatment plants, reservoirs, recycled water and sanitary sewer systems. He is also knowledgeable about basin channeling for storm water runoff and well-drilling and equipping. Mark excels at interpreting plans and specifications, providing final punch lists and performing warranty walk-throughs. Mark maintains strong working relationships with clients, due to his meticulous documentation and effective communication skills.

RELEVANT EXPERIENCE

Water Infrastructure Construction, Irvine Ranch Water District (IRWD), Orange County, CA. Construction observer assigned under APP's on-call inspection contract with IRWD. Observed installation of new water mains up to 12 inches in diameter, water main lowering, service connections, house line connections, fire services, water quality testing, street resurfacing, pulling permits and punch list.

Vista Del Verde Village IV Improvements, Yorba Linda Water District,
Orange County, CA. Construction observer for installation of 4,000 linear feet of
12-inch C900 PVC water main, 36-inch cement mortar-lined and coated steel water
main pipe and 4,500 linear feet of 36-inch Zone 4 cement mortar-lined and coated
steel pipe to serve a new development. Participated in all shutdowns and tie-ins to
existing water mains.

Lakeview Avenue Water Pipeline, Toll Brothers / 36-inch Zone 4 Domestic Water Transmission Main, Yorba Linda Water District, Orange County, CA. Construction observer monitoring installation of 1,300 linear feet of 36-inch Zone 4 cement mortar-lined and coated steel pipe. Participated in all shutdowns and tie-ins to existing water mains.

Construction of Recycled Water Well 78, IRWD, Orange County, CA. Inspector monitoring underground cast-in-place vault construction, with piping to existing IRWD recycled water connections to convey water for recycled water use. Coordinated water shut-downs with IRWD. This project, which received funding from the U.S. Navy, was high-profile due to location. IRWD received few complaints from the public during construction.

Well 115 Construction, IRWD, Orange County, CA. Inspector for well construction using rotary drilling. Inspected all underground and above-ground installation, electrical conduit installation and site construction. Supported coordination of startup with IRWD electrical instrumentation specialists. Well 115 is an above-ground facility for potable water use in Irvine. Construction utilized well-drilling operations identical to those of Well 78. Worked closely with personnel from Richard Sladen & Associates and groundwater geologists on all drilling procedures. Other duties included coordinating water shut downs with IRWD, reviewing progress payment invoicing and participating in biweekly meetings.

Well 110 Rehabilitation, IRWD, Orange County, CA. Inspector for project involving a chemical rehabilitation on an existing casing to clean-screen sections of an existing well to maintain production capacity. Project supported maximum production at the Desalter Project Potable Treatment Plant. Worked with Thomas Harder, Co. (geologist) on the project and documented all work performed daily. Reviewed progress payment invoicing and participated in weekly and biweekly meetings.



Well 107 Construction, IRWD, Orange County, CA. Inspector for project to construct Well 107, an above-ground well providing potable water in Irvine. Worked closely with Richard Sladen & Associates; groundwater geologists documenting all drilling procedures. Coordinated water shut-downs with IRWD. Reviewed progress payment invoicing and attended weekly and biweekly meetings.

Cooks Reservoir Replacement Project, City of San Juan Capistrano, CA. Construction observer for demolition of 0.3-million-gallon (mg) reservoir and pump station. Project constructed new 1.17-mg cast-in-place concrete reservoir and installed an altitude valve vault, ancillary piping and valves. Construction included excavation; shoring, rough grading and stockpiling of graded material; final grading; landscaping and electrical site work.

12-mg Ogden Reservoir Site Improvements, San Bernardino Municipal Water Department, San Bernardino, CA. Construction observer for site improvements to accommodate construction of 12-mg partially buried reservoir and booster pump station at Ogden site. Project included rough and fine grading, water piping, storm drainage system, on-site percolation basin and fencing.

Street and Water Improvements for New-Home Developments, Lambert Ranch Phases 1 and 2, City of Irvine, CA. Conducted inspections addressing sanitary sewer, recycled water and domestic water installation, with tie-ins to existing utilities on Portola Parkway. Inspected house connections for domestic water and sanitary sewer for 165 lots. Evaluated sanitary sewer system, which involved air testing, manhole lining and CCTV inspection. Tested domestic and recycled water lines and pulled bacteriological samples to assess water quality in domestic water lines. Project involved two pressure-reducing valve (PRV) stations for Lambert Ranch, Phases 1 and 2 at Portola Springs. Those activities involved 16-inch cement mortar-lined and coated steel pipeline, butterfly valve (BFV) relocations and construction of pre-cast PRV vaults with piping and Cla-Val installation.

Roadway Improvements, City of Burbank, CA. Construction observer for federally -funded project. Construction included: street widenings, installation of new catch basins, signage, striping and a new pre-signal; permanent closure of one road; and traffic signal modification.

Flow Meter Relocation/Pipe Replacement, Stonegate Zones 1 to 3, IRWD, Orange County, CA. Oversaw inspection of 30-inch flow meter replacement with 36-, 30- and 20-inch cement-mortar lined and coated steel pipe replacements.

Enclave 3 - Planning Area 6, Irvine Company, Orange County, CA. Inspected multiple infrastructure construction projects, accelerated for inspections for model home builders. Work involved domestic water, recycled water and sanitary sewer systems.

Portola Springs Village - Planning Area 6, Irvine Company, Orange County, CA. Oversaw inspection of domestic water, recycled water and sanitary sewer systems.

Heritage Fields - El Toro LLC Capital Project GP2/GP3, City of Irvine, CA. Performed inspection of infrastructure construction for pressure-reducing vault.

Construction of Great Park Neighborhoods, Heritage Fields - Planning Area 51, El Toro LLC, City of Irvine, CA. Senior public works inspector for development of 1,300-acre Orange County Great Park master-planned community. Work involved development of 688 acres of park land, including 175-acre sports park. Public-private partner, FivePoint Communities, was developing adjacent private land for new homes and non-residential use, including businesses.



Gary Lozonne Senior Public Works Inspector

Years of ExperienceEntered the profession in 1987

Inspector Gary Lozonne has more than 30 years of experience in the installation of water, sewer and storm drain pipelines. He specializes in all types of water distribution as well as fire protection systems, including pressure-reducing stations, valve vaults and pipeline cathodic protection. Gary's experience includes both gravity/force main systems and pump stations. He is currently overseeing the installation of new domestic and recycled water mains and sewer mains, from preconstruction meeting up to final acceptance.

RELEVANT EXPERIENCE

Orchard Hills Master Planned Community, Irvine Ranch Water District (IRWD), Irvine, CA. Inspector for installation of new domestic and recycled water mains and sewer mains. Worked on project from pre-construction meeting to final acceptance. Inspected installation of new water transmission mains for domestic and recycled water systems containing new pipelines up to 36 inches in diameter. Inspected water main lowering, service connections, fire services and water quality testing for multiple master-planned communities with 1,500 housing units. Ensured accuracy of survey and staking for line and grade and contractor compliance with IRWD specifications. Worked with geotechnical and soils engineers to ensure proper compaction in trenches. Obtained water quality samples for testing prior to final tie-ins of new lines to existing water systems. Worked with contractor to ensure that all final project work is performed to IRWD satisfaction.

Santa Ana Heights/Costa Mesa Water Improvement Project, IRWD, Irvine, CA. Inspector for one-year project to replace aging water system. Inspected installation of new 12-inch PVC main line, hydrants and services throughout large area. Project required constant contact and coordination with residents and business owners.

Laguna Altura Community, IRWD, Irvine, CA. Inspector for installation of reclaimed-water main 36 inches in diameter with two large valve vaults, several blow offs, air vacs and cathodic protection for entire system.

Wharf Expansion, Port of Los Angeles, CA. Inspector for installation of ductile-iron water main 12 inches in diameter, incorporating fire hydrants and domestic meter vaults that provide water to container ships. Project installed extensive drainage system with 12-inch-diameter ductile-iron pipe and 8-inch and 4-inch SDR-35 PVC. Drainage system and several water lines were installed under wharf, hung above water with galvanized fastening systems and hangers.

Installation of 16-inch Cross-Country Transmission Main, IRWD, Irvine, CA. Inspector for installation of approximately 3 miles of 16-inch CML and C-steel pipeline. The one-year project installed valves, blow-offs, air vacs and pipeline cathodic protection. This was a very challenging project due to the topography, as the pipeline ran through hilly avocado orchards inhabited by protected wildlife and vegetation.

Water Line Installations, Ladera Ranch Master-Planned Community, Santa Margarita Water District, South Orange County, CA. Inspector for four-year project installing 24- inch and 16-inch CML and C-steel transmission mains, as well as 12-inch and 6-inch PVC mains. The infrastructure included all services and hydrants to provide water to master-planned community. The project also installed a large sewer system with gravity and force mains.

Storm Drain Construction-Ladera Ranch, County of Orange, South Orange County, CA. Inspector for installation of extensive storm drain system using 120-inch through 18-inch reinforced concrete pipe. Installation involved junction structures, catch basins, culverts and area drains.

241/261 Toll Road Water Main Relocation, IRWD and Santa Margarita Water District, Orange County, CA.
Inspector for project rerouting and installing new water mains countywide in support of Toll Roads. The project installed new 24-inch sewer main for Santa Margarita Water District. Project completed on schedule, per plan.



Jason Pilgrim Senior Public Works Inspector

Certifications

Trenching and excavation competent person
Confined space entry
SWPPP
OSHA 10-hour safety

Years of Experience

First aid and CPR

Entered the profession in 1997

Inspector Jason Pilgrim has more 20 years of experience as a construction foreman for projects involving underground wet utilities. Jason's project types include sewer treatment plants, pump stations, pressure-reducing stations, police stations, libraries, schools, housing tracts, commercial developments and street improvements. Much of this work has been done in the Irvine area, per Irvine Ranch Water District (IRWD) requirements and specifications. Prior to official inspections, Jason performs inspections to ensure work quality and adherence to plans and standard specifications.

RELEVANT EXPERIENCE

Public Works Inspection, Irvine Ranch Water District (IRWD), Orange County, CA. Public works inspection for new water and sewer main pipeline installations for multiple master-planned communities in service area. Currently inspecting 50 water infrastructure projects, in part for development of Irvine's 1.300-acre Great Park master-planned community.

Construction of Advanced Water Purification Facility, City of Oxnard, CA. Foreman for construction of sewer treatment plant, considered at the time to be one of four in the world providing that particularly high degree of purification. Project cost \$80 million, including a pipeline contract and change order value of \$7.8 million. The installation included 2,500 feet of 16-inch through 30-inch HDPE plant drains, 3,000 feet of 36-inch HDPE-finished water lines, 2,200 feet of 20-inch reverse omissions concentrate lines, 6-inch through 8-inch chemical treatment lines, 4-inch and 6-inch sewer lines, 10-inch through 2-inch water lines, and 10-inch through 8-inch fire lines. All buried metal fittings and flanges had full cathodic protection. Numerous reinforced pipe encasements were installed, as well as a 66-inch steel casing for a 48-inch effluent line, work requiring a bore under existing railroad tracks. A strategically timed tie-in to a 36-inch ocean outfall line was done, along with a 30-inch plant drain tie-in to a 66-inch sewer inlet to the plant. There were only two opportunities for installation of the 36-inch ocean outfall tie-in within one year, due to the timed low operation hours of the plant as well as low tide of the ocean. Depths exceeded 20 feet, with groundwater and wells needed to lower groundwater through the project.

Singleton Road Storm Drain Improvements, Calimesa, CA. Foreman on-call around the clock for \$1-million pipeline construction project. Project installed 987 feet of 96-inch storm drain at depths of 29 feet, in between a 24-inch water line and a 12-inch sewer line routed under Singleton Road. Two manholes were built, with a landing platform midway down, due to the depth. An inlet structure was installed with trash racks at existing basin. A warped-wing wall structure was installed at the outlet. The project continued through the winter, with two 10-inch bypass pumps and a 1,200-foot double bypass always on site for emergency overflow of an existing basin in the event of a rain storm, protecting a nearby neighborhood at the bottom of the road. The strict schedule permitted only 29 working days to complete the project, ultimately delivered in 27 days.

Pipeline Construction at Apartment Community, Irvine, CA. Foreman for \$1.8-million pipeline construction. Project installed 8-inch sewer, 8-inch water and 4-inch reclaimed water lines, as well as storm drain improvements with multiple street crossings and tie-ins. Project required tee cut-ins on existing 16-inch and 10-inch water lines with butterfly valves and gate valves. Project constructed nine 48-inch sewer manholes and one 60-inch sewer manhole. Oversaw required traffic control throughout project. Challenges included poor soil conditions, the presence of existing utilities and the need to work around large concrete pours. A few redesigns were completed, due to conflicting locations of existing utilities — work requiring review by IRWD before proceeding. Inspections were conducted by IRWD and City of Irvine.



Estimated Fee

Estimated Fee Irvine Ranch Water District Public Works Inspection Services April 1, 2018-March 31, 2020

April 1, 2018-June 30, 2018¹			13 Work	ing Weeks	
TITLE	No. of Personnel	Hours/Person	Total Hours	Hourly Rate	Extended Fee
Public Works Inspector (Prevailing Wage) (13 weeks)	3	520	1,560	\$136.00	\$212,160.00
nspections Manager (2.5 hours/week for 13 weeks)	1	33	33	\$165.00	\$5,362.50
Subtotal					\$217,522.50
Public Works Inspector Special Shift/Overtime Allowance -5%					\$10,876.00
Subtotal April 1, 2018-June 30, 2018 July 1, 2018-March 31, 2020 ²			91 Work	ting Weeks	
		Est. Hours Per Inspector	91 Work	ting Weeks Hourly Rate	Extended Fee
July 1 , 2018-March 31 , 2020 ²	3				Extended Fee
July 1 , 2018-March 31 , 2020 ² TITLE Public Works Inspector (Prevailing Wage)		Inspector	Total Hours	Hourly Rate	Extended Fee \$1,528,800.00
July 1, 2018-March 31, 2020 ² TITLE Public Works Inspector (Prevailing Wage) Inspections Manager (2.5 hours/week for 91 weeks)		Inspector 3,640	Total Hours	Hourly Rate \$140.00	Е xtended Fee \$1,528,800.00 \$37,537.50
TITLE Public Works Inspector (Prevailing Wage) Inspections Manager (2.5 hours/week for 91 weeks) Subtotal		Inspector 3,640	Total Hours	Hourly Rate \$140.00	Extended Fee \$1,528,800.00 \$37,537.50 \$1,566,337.50
July 1, 2018-March 31, 2020 ²	3 1	Inspector 3,640	Total Hours	Hourly Rate \$140.00	

Notes:

The above hourly rates include wages, fringe and general and administrative overhead and fee, as well as typical supplies, tools and equipment required to perform services.

This is a Prevailing Wage project. Prevailing Wage Rates are subject to increases pursuant to the State of California's Department of Industrial Relations Wage Rate Determinations, assumed at \$2.30 per hour, plus associated overhead and profit, per annum. APP's Billing Rates will increase in proportion to the subsequent DIR increase, plus overhead and profit.

¹Prevailing Wage Rates pursuant to the State of California's Department of Industrial Relations Wage Rate Determinations effective 2/2/2018 through 6/30/2018.

²Prevailing Wage Rates pursuant to the State of California's Department of Industrial Relations Wage Rate Determinations effective 7/1/2018 through the subsequent posted determination.

The following minimum callout applies to Inspection staff, in accordance with Industrial Welfare Commission Order No. 16-2001.

- Cancellation of 8 hours scheduled inspection after inspector's arrival on site: 4-hour minimum
- Cancellation of 4 hours scheduled inspection after inspector's arrival on site: 2-hour minimum

Inspection Overtime: Should any weekday or Saturday overtime inspection be required, it is charged at 1.4 times the hourly Public Works Inspector hourly rate shown. For Sundays and holidays inspection billing, rates are 1.70 times the above rate, upon the City's prior written approval therefore.

The estimate above is based upon IRWD's use of three APP inspectors. Should IRWD wish to increase or decrease the number of inspectors, a contract amendment would be required.

Hourly rates, not subject to Prevailing Wage, are subject to a three percent (3%) per year escalation.



Fees for subconsultant services: Billed at actual cost, plus 15 percent (15%) to cover overhead and administration.

Reimbursable Expenses: Ordinary identifiable non-salary costs that are directly attributable to the project, such as reproduction, regular vehicular travel costs, overnight postage / couriers, etc., are included in the fee estimated above. Extraordinary expenses, such as oversized and/or color reproduction costs, site facility hard phone line and/or internet service charges, non-commuter project miles and/or other travel expenses to remote (over 50 miles one-way) fabrication yards / batch plants, overnight postage / couriers, etc., are billed at actual cost plus 10 percent to cover overhead and administration. Travel charges to a casting / fabrication yard or batch plant will include the hourly billing rate plus travel expenses as listed in the Caltrans Travel Guide (State rates). Extraordinary charges will not be billed to the Client unless specifically requested and approved by the Client in writing prior to incurring the expense.

Fees for expert witness services: Charged at \$300.00 per hour with a 4-hour minimum per day.

Payment Terms: A late payment finance charge at a rate of 12 percent per annum will be applied to any unpaid balance commencing 30 days after the date of original invoice. This rate schedule is effective through June, 2018. Should the Contract duration be extended beyond June 30, 2018, rates may be subject to annual and/or periodic revisions as necessary to accommodate inflationary trends, salary adjustments and the general costs of business, as mutually agreeable to the parties and approved via Contract amendment prior to implementing higher rates.

EXCLUSIONS TO SCOPE AND FEE:

The following items are specifically excluded:

- Legal advice
- Design engineering
- Temporary field office facilities, equipment, furniture, utilities and/or services
- Hazardous materials monitoring and/or testing
- Scope of Services not specifically enumerated in the Agreement
- Specialized Software (other than MS Office Suite) and MS Project

Rates Comparison:

The hourly inspector rates proposed are increased from the prior approved rates. APP's current agreement with IRWD for the contracted services was last amended in August of 2016. Since August of 2016, APP has grown both in terms of the number of staff employed and the geography it serves. Inflation and other economic factors have increased the overhead costs associated with operating our engineering and management company in a way that allows APP to attract and keep the high-quality professional staff employed with our firm that our clients have come to expect.

For instance, we have seen substantial increases in rent, health benefits, general and professional liability and automobile insurance, technology and vehicle costs, to name a few. Additionally, prevailing wage rates have increased several times.

Please refer to the following attachments:

- APP's proposed Hourly Rate Schedule
- Prevailing Wage Inspector Labor Rate Breakdown
- General Prevailing Wage Determination Made by the Director of Industrial Relations (Announcement of New Wage Rate)



Proposed Hourly Rate Schedule

Construction Services					
	Regular Time	Overtime			
Staff	Rate ⁴	Mon – Fri ²	Sat. ³	Sun./Holiday	
Principal/Project Executive	\$230	n.a.	n.a.	n.a.	
Project/Construction Manager, Resident Engineer	\$185	n.a.	n.a.	n.a.	
Project Manager	\$180	n.a.	n.a.	n.a.	
Structures Representative	\$175	n.a.	n.a.	n.a,	
Project Controls Engineer	\$140	n.a.	n.a.	n.a.	
Documents Control/Assistant Construction Manager	\$130	n.a.	n.a.	n.a.	
Labor Compliance/Documents Control	\$120	n.a.	n.a.	n.a.	
Inspection Services Manager	\$165	n.a.	n.a.	n.a.	
Public Works Inspector (Prevailing Wage) 1,5	\$136	\$190	\$190	\$245	
Public Works Inspector, Special Shift (Prevailing Wage) 1,5	\$137	\$192	\$192	\$247	
Public Works Inspector (Prevailing Wage) 1,6	\$140	\$196	\$196	\$252	
Public Works Inspector, Special Shift (Prevailing Wage) 1,6	\$141	\$197	\$197	\$254	
Public Works Inspector (Non Prevailing Wage)	\$125	\$175	\$175	\$225	

¹The above hourly rates include wages, fringe and general and administrative overhead and fee, as well as typical supplies, tools and equipment required to perform services.

APP's Billing Rates will increase in proportion to the subsequent DIR increase, plus overhead and profit.



² Rate applies to the first four hours of overtime per day; all overtime in excess of four hours is paid at the Sunday/Holiday rate.

^{3.} Rate applies to the first 12 hours worked. All other time is paid at the Sunday rate.

⁴⁻ Regular Time Rates, not subject to Prevailing Wage, are subject to a three percent (3%) per year escalation.

^{5.} Prevailing Wage Rates pursuant to the State of California's Department of Industrial Relations Wage Rate Determinations effective 2/2/2018 through 6/30/2018.

^{6.} Prevailing Wage Rates pursuant to the State of California's Department of Industrial Relations Wage Rate Determinations effective 7/1/2018 through the subsequent posted determination.

	ector Labor Rate E Nater District (IRV enna Partners, Inc	VD)	own	
August 2016 Billing Rate Breakdown	Group 2	Special Shift		
Prevailing Wage Determination Date	02/22/16		02/22/16	
Prevailing Wage Rate	\$66.70		\$67.20	
Overhead:	\$40.57	61%	\$40.98	61%
Wages + Overhead	\$107.27		\$108.18	
Fee	\$10.73	10%	\$10.82	10%
2016 Billing Rate Approved by IRWD	\$118.00		\$119.00	
March 2018 Billing Rate Breakdown March-June 2018 Prevailing Wages	Group 2		Special Shift	
Prevailing Wage Determination Date	02/02/18		02/02/18	
Current Prevailing Wage	\$72.60		\$73.10	
Overhead	\$51.04	70%	\$51.45	70%
Wages+Overhead	\$123.64		\$124.55	
Fee	\$12.36	10%	\$137.00	10%
Billing Rate Requested 2018-21 Contract	\$136.00		\$137.00	
Billing Rate Effective July 1, 2018	Group 2	T	Special Shift	t t
Prevailing Wage Determined Increase - 7/1/18	Pre-determined la	ncrease fo	or 2018-1 Determina	tion
Current Prevailing Wage	\$74.90		\$75.40	
Overhead	\$52.37	70%	\$52.78	70%
Wages+Overhead	\$127.27		\$128.18	
Fee	\$12.73	10%	\$12.82	10%
Billing Rate Requested 2018-21 Contract	\$140.00		\$141.00	

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773,1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIAL TESTER

DETERMINATION: SC-23-63-2-2017-ID

ISSUE DATE: August 22, 2017

EXPIRATION DATE OF DETERMINATION: June 30, 2018** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

LOCALITY: All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara, and Ventura counties.

			Е	mployer Payme	ents		Straig	ht - Time	_ 0	vertime Hourly	Rate
CLASSIFICATION (Journeyperson)	Basic Hourly Rate	Health and Welfare	Pension	Vacation/ Holiday (a)	Training	Other Payments	Hours	Total Hourly Rate	Daily (b)	Saturday (c)	Sunday/ Holiday
									1 1/2X	1 1/2X	2X
Classification Groups Group 1 Group 2 Group 3	\$44.78 \$46.56 \$48.56	\$11,45 \$11,45 \$11,45	\$9.65 \$9.65 \$9.65	\$3,55 \$3,55 \$3,55	\$1,00 \$1,00 \$1,00	\$0.39 \$0.39 \$0.39	8 8 8	\$70,82 \$72.60 \$74.60	\$93.210 \$95.880 \$98.880	\$93,210 \$95,880 \$98,880	\$115.60 \$119.16 \$123.16

[#] Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet @ http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at http://www.dir.ca.gov/das/das.html.

RECOGNIZED HOLIDAYS: Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

TTRAVEL AND/OR SUBSISTENCE PAYMENT: In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

CLASSIFICATIONS:

GROUP I

Field Soils and Materials Tester
Field Asphaltic Concrete (Soils and Materials Tester)
Field Earthwork (Grading Excavation and Filling)
Roof Inspector
Water Proofer

GROUP II

AWS-CWI Welding Inspector
Building / Construction Inspector
Licensed Grading Inspector
Reinforcing Steel
Reinforced Concrete
Pre-Tension Concrete
Post-Tension Concrete
Structural Steel and Welding Inspector
Glue-Lam and truss Joints
Truss-Type Joint Construction
Shear Wall and Floor System used as diaphragms
Concrete batch Plant
Spray-Applied Fireproofing
Structural masonry

10E

Group III

Nondestructive Testing (NDT)

a Includes an amount withheld for supplemental dues.

^b Rate applies to the first 4 overtime hours. All other daily overtime is paid at the Sunday rate.

⁶ Rate applies to the first 12 hours worked. All other time is paid at the Sunday rate.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIAL TESTER (SPECIAL SHIFT)

DETERMINATION: SC-23-63-2-2017-1D1

ISSUE DATE: August 22, 2017

EXPIRATION DATE OF DETERMINATION: June 30, 2018** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

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			Е	mployer Payme	ents		Straig	ht - Time	_ 0	vertime Hourly	Rate
CLASSIFICATION (Journeyperson)	Basic Hourly Rate	Health and Welfare	Pension	Vacation/ Holiday (a)	Training	Other Payments	Hours	Total Hourly Rate	Daily (b) 1 I/2X	Saturday (c) 1 1/2X	Sunday/ Holiday 2X
Classification Groups											
Group 1	\$45,28	\$11.45	\$9,65	\$3,55	\$1.00	\$0.39	8	\$71.32	\$93,960	\$93.960	\$116.60
Group 2	\$47.06	\$11.45	\$9.65	\$3.55	\$1.00	\$0.39	8	\$73.10	\$96,630	\$96,630	\$120.16
Group 3	\$49.06	\$11.45	\$9.65	\$3.55	\$1.00	\$0.39	8	\$75.10	\$99.630	\$99.630	\$124.16

[#] Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet @ http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at http://www.dir.ca.gov/das/das.html.

RECOGNIZED HOLIDAYS: Holidays upon which the general prevailing hourly wage rate for Holiday work shall be paid, shall be all holidays in the collective bargaining agreement, applicable to the particular craft, classification, or type of worker employed on the project, which is on file with the Director of Industrial Relations. If the prevailing rate is not based on a collectively bargained rate, the holidays upon which the prevailing rate shall be paid shall be as provided in Section 6700 of the Government Code. You may obtain the holiday provisions for the current determinations on the Internet at http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm. Holiday provisions for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

TRAVEL AND/OR SUBSISTENCE PAYMENT: In accordance with Labor Code Sections 1773.1 and 1773.9, contractors shall make travel and/or subsistence payments to each worker to execute the work. You may obtain the travel and/or subsistence provisions for the current determinations on the Internet at http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm. Travel and/or subsistence requirements for current or superseded determinations may be obtained by contacting the Office of the Director – Research Unit at (415) 703-4774.

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Water Proofer

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AWS-CWI Welding Inspector
Building / Construction Inspector
Licensed Grading Inspector
Reinforcing Steel
Reinforced Concrete
Pre-Tension Concrete
Post-Tension Concrete
Structural Steel and Welding Inspector
Glue-Lam and truss Joints
Truss-Type Joint Construction
Shear Wall and Floor System used as diaphragms
Concrete batch Plant
Spray-Applied Fireproofing
Structural masonry

10G

Group III

Nondestructive Testing (NDT)

a Includes an amount withheld for supplemental dues:

h Rate applies to the first 4 overtime hours. All other daily overtime is paid at the Sunday rate.

e Rate applies to the first 12 hours worked. All other time is paid at the Sunday rate.

GENERAL PREVAILING WAGE DETERMINATION MADE BY THE DIRECTOR OF INDUSTRIAL RELATIONS PURSUANT TO CALIFORNIA LABOR CODE PART 7, CHAPTER 1, ARTICLE 2, SECTIONS 1770, 1773 AND 1773.1

FOR COMMERCIAL BUILDING, HIGHWAY, HEAVY CONSTRUCTION AND DREDGING PROJECTS

CRAFT: #BUILDING/CONSTRUCTION INSPECTOR AND FIELD SOILS AND MATERIAL TESTER (MULTI-SHIFT)

DETERMINATION: SC-23-63-2-2017-1D2

Issue Date: August 22, 2017

EXPIRATION DATE OF DETERMINATION: June 30, 2018** The rate to be paid for work performed after this date has been determined. If work will extend past this date, the new rate must be paid and should be incorporated in contracts entered into now. Contact the Office of the Director - Research Unit for specific rates at (415) 703-4774.

LOCALITY: All localities within Imperial, Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Santa Barbara, and Ventura counties.

		-	E	Imployer Payme	ents		Straigh	t - Time	_ 0	vertime Hourly	Rate
CLASSIFICATION (Journeyperson)	Basic Hourly Rate	Health and Welfare	Pension	Vacation/ Holiday (a)	Training	Other Payments	Hours (d)	Total Hourly Rate	Daily (b) 1 1/2X	Saturday (c) 1 1/2X	Sunday/ Holiday 2X
Classification Groups											
Group I	\$45,78	\$11,45	\$9.65	\$3.55	\$1.00	\$0.39	8	\$71.82	\$94.710	\$94.710	\$117,60
Group 2	\$47.56	\$11.45	\$9.65	\$3,55	\$1.00	\$0,39	8	\$73,60	\$97,380	\$97.380	\$121.16
Group 3	\$49.56	\$11.45	\$9.65	\$3.55	\$1,00	\$0.39	8	\$75.60	\$100.380	\$100,380	\$125.16

[#] Indicates an apprenticeable craft. The current apprentice wage rates are available on the Internet @ http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp. To obtain any apprentice wage rates as of July 1, 2008 and prior to September 27, 2012, please contact the Division of Apprenticeship Standards or refer to the Division of Apprenticeship Standards' website at http://www.dir.ca.gov/das/das.html.

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Field Asphaltic Concrete (Soils and Materials Tester)
Field Earthwork (Grading Excavation and Filling)
Roof Inspector
Water Proofer

GROUP I

AWS-CWI Welding Inspector
Building / Construction Inspector
Licensed Grading Inspector
Reinforcing Steel
Reinforced Concrete
Pre-Tension Concrete
Post-Tension Concrete
Structural Steel and Welding Inspector
Glue-Lam and truss Joints
Truss-Type Joint Construction
Shear Wall and Floor System used as diaphragms
Concrete batch Plant
Spray-Applied Fireproofing
Structural masonry

10H

Group III

Nondestructive Testing (NDT)

a Includes an amount withheld for supplemental dues.

^b Rate applies to the first 4 overtime hours. All other daily overtime is paid at the Sunday rate.

^e Rate applies to the first 12 hours worked. All other time is paid at the Sunday rate.

d The Third Shift shall work 6.5 hours, exclusive of meal period, for which 8 hours straight-time shall be paid at the non-shift rate, Monday thorugh Friday.

DEPARTMENT OF INDUSTRIAL RELATIONS Office of the Director - Research Unit 455 Golden Gate Avenue, 9th Floor San Francisco, CA 94102



PREDETERMINED INCREASES FOR

OPERATING ENGINEER (SC-23-63-2-2017-1) OPERATING ENGINEER (MULTI-SHIFT) (SC-23-63-2-2017-1) OPERATING ENGINEER (SPECIAL SHIFT) (SC-23-63-2-2017-1)

CRANES, PILE DRIVER AND HOISTING EQUIPMENT (OPERATING ENGINEER) (SC-23-63-2-2017-1B)

CRANES, PILE DRIVER AND HOISTING EQUIPMENT (OPERATING ENGINEER, MULTI-SHIFT) (SC-23-63-2-2017-1B1)

CRANES, PILE DRIVER AND HOISTING EQUIPMENT (OPERATING ENGINEER, SPECIAL SHIFT) (SC-23-63-2-2017-1B2)

TUNNEL (OPERATING ENGINEER) (SC-23-63-2-2017-1C)

TUNNEL (OPERATING ENGINEER) (SC-23-63-2-2017-1C1) (MULTI-SHIFT)

BUILDING/CONSTRUCTION INSPECTOR, FIELD SOILS AND MATERIAL TESTER, AND NON-DESTRUCTIVE TESTING (SC-23-63-2-2017-1D)

BUILDING/CONSTRUCTION INSPECTOR, FIELD SOILS AND MATERIAL TESTER, AND NON-DESTRUCTIVE TESTING (SPECIAL SHIFT) (SC-23-63-2-2017-1D1)

BUILDING/CONSTRUCTION INSPECTOR, FIELD SOILS AND MATERIAL TESTER, AND NON-DESTRUCTIVE TESTING (MULTI-SHIFT) (SC-23-63-2-2017-1D2)

ALL LOCALITIES WITH IMPERIAL, INYO, KERN, LOS ANGELES, MONO, ORANGE, RIVERSIDE, SAN BERNARDINO, SAN LUIS OBISPO, SANTA BARBARA, AND VENTURA COUNTIES

These predetermined increases for the above named crafts apply only to the current determinations for work being performed on public works projects with bid advertisement dates on or after **September 1, 2017**, until the determination(s) is/are superseded by a new determination(s) or a predetermined increase modification notice becomes effective.

When referencing our prevailing wage determinations, please note that if the prevailing wage rate determination which was in effect on the bid advertisement date of a project has a single asterisk (*) after the expiration date, the rate will be good for the life of the project. However, if a prevailing wage rate determination has double asterisks (**) after the expiration date, the rate must be updated on the following date to reflect the predetermined rate change(s).

OPERATING ENGINEER: All Classifications and All Shifts

The above Determinations are currently in effect and will expire on June 30, 2018**.

Effective on July 1, 2018, there will be an increase of \$2.30 to be allocated to wages and/or fringes.

There will be no further increases applicable to these determinations.

April 23, 2018

Prepared by: W. Stewart/S. Malloy

Submitted by: K. Burton K.

Approved by: Paul A. Cook

ACTION CALENDAR

MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY RECOVERY FACILITIES CONTRACT CHANGE ORDER NO. 78

SUMMARY:

Filanc/Balfour Beatty (FBB) is constructing the Michelson Water Recycling Plant (MWRP) Biosolids and Energy Recovery Facilities (Biosolids Project). Contract Change Order (CCO) No. 78 includes costs for several software, structural, piping, and hardscaping items. Staff recommends that the Board approve CCO No. 78 in the amount of \$344,006.55 with FBB.

BACKGROUND:

Construction of the Biosolids Project was awarded to FBB in March 2013 in the amount of \$163,465,940. The Biosolids Project will provide biosolids digestion, dewatering, energy production, and on-site sludge drying. The project includes excavation for subsurface structures; installation of foundation piles; three egg-shaped digesters; a state-of-the-art odor control system; a biogas conditioning system and power generation using microturbines; a fats, oil and grease (FOG) receiving station; and new utility services. These facilities are being constructed on the land north of IRWD's Operations Center, maintenance shops, water quality laboratory, and warehouse.

CCO No. 78:

The negotiation of CCOs sometimes require an extended period of time to fully agree on the changes and costs and then to submit paperwork for approval. This extended period of time may adversely impact the cash flow to the contractor, its subcontractors and suppliers. As an act of good faith, staff is submitting CCO No. 78 in amounts that staff has unilaterally estimated. When staff and FBB agree to a final CCO amount, any cost differences will be accounted for in a subsequent CCO.

CCO No. 78, in the amount of \$344,006.55, includes:

- Operator Interface Terminal (OIT) Indusoft Licensing Cost in the amount of \$4,618.13 This item is for the licensing cost of two OIT screens for the gas conditioning system.
- Retaining Wall Modifications at Solids Handling Building in the amount of \$26,508 To address the actual site conditions, a retaining wall was enlarged on the west side of the Solids Handling Building. This change request is for the cost for labor and material to enlarge the retaining wall at the Solids Handling Building.

Action Calendar: Michelson Water Recycling Plant Biosolids and Energy Recovery Facilities

Contract Change Order No. 78

April 23, 2018

Page 2

- Andritz Air Compressor Equipment Pad Modifications in the amount of \$6,729 Two air compressor equipment pads were modified to fit the dimensions of the air compressors actually supplied by Andritz for the project. This change request is for the time and materials to make the equipment pad modifications.
- Waste Activated Sludge (WAS), Digested Sludge (DS), and Primary Sludge (PS) Piping Modifications in the amount of \$28,967.68 The WAS, DS, and PS piping changes were added to allow operators to provide feed sludge to the sequencing batch reactors (SBRs) during periods of down-time between dewatering/drying operations. The SBR uses a biological process similar to activated sludge to treat dewatering centrate high in ammonia so it can be safely reintroduced into the water recycling process. During design, it was anticipated that dewatering/drying runs would occur three to four days per week, with the same use of the SBRs anticipated. Nutrient feed to the operating SBR for these short standby periods would be from the second SBR basin. Due to water conservation, it is anticipated that the dewatering/drying systems will be shut down for periods of up to nine days; therefore, the SBR system will need nutrient feeding via sludge to maintain the biological activity within the SBRs. Connections to WAS, PS, and DS will allow operators to feed the SBRs between drying operations. This item is for the cost of materials and the painting subcontractor. Labor and equipment will be tracked as a separate item.
- Modifications to Site Hardscape in the amount of \$277,183.74 In preparation for the upcoming hardscape and landscape contract for the biosolids site, staff performed a complete review of the proposed site improvements and how similar improvements from the MWRP Phase II project are working. This review resulted in changes to both the landscape and hardscape due to aesthetic and operational needs. The hardscape modifications include additional concrete sidewalks and driveways throughout the Biosolids site. This item is for the labor, equipment, and materials to make the modifications.

Staff recommends that the Board approve CCO No. 78 in the amount of \$344,006.55, which is attached as Exhibit "B". The construction change order summary is attached as Exhibit "C". The following is a summary of the change order categories:

		% of
		Original
Category	Total Amount	Contract
A - District Convenience/Initiation - Project Related	\$ 3,327,1554.54	2.04%
B - Differing Site Conditions	\$12,570,797.75	7.69%
C - Design Oversight	\$ 3,331,282.80	2.04%
D - District Convenience/Initiation - Non-Project Related	\$ -	0.00%
E - Contractor Convenience/Initiation	\$ 98,302.54	0.06%
F - Contractor Requested Inspection Overtime	\$ (262,020.00)	-0.16%
TOTAL (All Items A - F)	\$19,065,517.63	11.66%

Action Calendar: Michelson Water Recycling Plant Biosolids and Energy Recovery Facilities Contract Change Order No. 78 April 23, 2018 Page 3

FISCAL IMPACTS:

The MWRP Biosolids and Energy Recovery Facilities Project 04286 is included in the FY 2017-18 Capital Budget. The existing budget is sufficient to fund the change order.

ENVIRONMENTAL COMPLIANCE:

The MWRP Biosolids and Energy Recovery Facilities is subject to the California Environmental Quality Act (CEQA) and in conformance with the California Code of Regulations Title 14, Chapter 3, Article 7, a Supplemental Environmental Impact Report (SEIR), SCH # 2011031091, was certified by IRWD at its October 22, 2012 meeting. The City of Irvine Planning Commission approved a conditional use permit for the IRWD Biosolids Project at its December 6, 2012 meeting.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on April 17, 2018.

RECOMMENDATION:

THAT THE BOARD APPROVE CONTRACT CHANGE ORDER NO. 78 IN THE AMOUNT OF \$344,006.55 WITH FILANC/BALFOUR BEATTY FOR SEVERAL SOFTWARE, STRUCTURAL, PIPING, AND HARDSCAPING ITEMS FOR THE MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY RECOVERY FACILITIES, PROJECT 04286.

LIST OF EXHIBITS:

Exhibit "A" – Contract Change Order No. 78 with FBB Exhibit "B" – Construction Change Order Summary

CONTRACT CHANGE ORDER

EXHIBIT "A"



Irvine Ranch Water District

15600 Sand Canyon Avenue P.O. Box 57000 Irvine, CA 92619-7000 (949) 453-5300

C.O. No.	78	
Final		j
Project No.	04286	

MWRP Biosolids and Energy Recovery Facilities

Project Title		Date:04/02/20	18
THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
1. Operator Interface Terminal (OIT) Indusoft Licensing Cost	\$4,618.13	\$0.00	See Notes
(CR-244) PR 04286 Task 5.30 2. Retaining Wall Modifications at Solids Handling Building	\$26,508.00	\$0.00	See Notes
(CR-331E) PR 04286 Task 5.29 3. Andritz Air Compressor Equipment Pad Modifications (CR-	\$6,729.00	\$0.00	See Notes
550) PR 04286 Task 5.31 4. Waste Activated Sludge (WAS), Digested Sludge (DS), and Primary Sludge (PS) Piping Modifications (CR-594) PR 04286	\$28,967.68	\$0.00	See Notes
Task 5.31 5. Modifications to MWRP Biosolids Hardscape (CR-331K) PR 04286 Task 5.29	\$277,183.74	\$0.00	See Notes
		×	
Notes: 1. For all items noted above, the Contractor reserves the right to compensable and/or excusable time extensions provided that time impacts to the Project's critical path are demonstrated to be beyond the Contractor's control.			
2. Contractor reserves any and all rights it has and otherwise does not waive or release any claims it may have for additional			
compensation related to impact, including but not limited to the cumulative effect of the number, nature, or extent of any			
changes or design clarifications. 3. The project completion date of October 31, 2017 per CCO			
No. 45 is unchanged by this Change Order. TOTAL	\$344,006.55	\$0.00	0

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

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

1. NET AMOUNT THIS CHANGE ORDER	=	\$344,006.55	0
2. ORIGINAL CONTRACT AMOUNT	=	\$163,465,940.00	1,278
3. TOTAL PREVIOUS CHANGE ORDER(S)	-	\$18,721,511.08	368
4. TOTAL BEFORE THIS CHANGE ORDER (2+3)	=	\$182,187,451.08	1,646
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1	+4) =	\$182,531,457.63	1,646

Date Filanc/Balfe Contractor		By: Harry Cosmos, President	
SIGNATURE	DATE	APPROVAL LEVEL REQUIRED	
Principal Engineer Executive Director of Engineering & Water Quality	4518 4-5-18 Date 4-9-18 Date	Department Director Approval Required Executive Director Approval Required General Manager Approval Required Board Approval Required	
General Manager	Date	Purchase Order No.	

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

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

EXHIBIT "B"

MWRP Biosolids and Energy Recovery Facilities PR 21146 (4286) Construction Change Order Summary

Filanc/Balfour-Beatty Contractor: Design Engineer: Black & Veatch

						Contract Amount Original Contract Amount: \$163,465,940.00								1,278	Original Completion Date: 10/28/2016
Change Order	Description	Category	IRWD or FBB		ge Order Line m Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change	cinal Days: Cum Total C.O. days	Revised Total Contract Days	Revised Completion Date
1 1.	Approved by Exe. Director of Engineering and Water Quality Approved on October 24, 2013 Modifications to Road to Development Area - Delete AC to Triangle, add AB to Michelson (CR-004)	A	IRWD	S	20,202.42	\$20,202 42	\$0,00		0.01%		0	0	0	1,278	
2	Approved by Exe. Director of Engineering and Water Quality Approved on November 13, 2013 Street Light Conduit Modifications (CR-007)	В	IRWD	s	12,475.08	\$12,475.08	\$20,202.42	\$32,677,50	0.02%	\$163,498,617.50	0				10/28/2016
3	Approved by Board of Directors Approved on March 10, 2014 1 Bid Quantity Adjustment of Bid Item 8.6 Pre-Drill	В	FBB	s	745,503,00	\$745,503.00	\$32,677.50	\$778,180.50	0_48%		0		0		10/28/2016
4.	Approved by Exe Dir of Eng & Water Quality Approved on March 14, 2014 Installation of Five Additional Groundwater Wells and Monitoring – (CR-006) PR 21146 (4286) Task 3505 Brace Bay Modifications at the FOG Station – (CR-015) PR 21146 (4286) Task 3505 Grounding Extension at Nitrogen and Mineral Oil System (CR-025) PR 21146 (4286) Task 3510	A C C	IRWD FBB IRWD		\$11,047.81 \$2,977.81 \$9,003.60	\$23,029.22	\$778,180.50	\$801,209.72	0.49%	\$164,267,149.72	0) (C		10/28/2010
5	Approved by Exe Dir of Eng & Water Quality Approved on March 14, 2014 1 Unidentified Utility - Meter Shop Discharge (CR-008) PR 21146 (4286) Task 3505 2 Connection Beam Modifications at Solids Handling Facility (CR-014) PR 21146 (4286) Task 3235 3 Increased Grating Thickness at Solids Handling Facility (CR-041) PR 21146 (4286) Task 3505	B C C	IRWD FBB FBB		\$15,225.75 \$8,270.86 \$1,355,12	\$24,851,73	\$801,209.72				0	0	0 6		10/28/201
6	Approved by General Manager Approved on March 20, 2014 Additional Costs to Install Piles to the Design Tip (CR-033) PR 21146 (4286) Task 3505	В	FBB		\$31,815.00	\$31,815.00	\$826,061 4	\$857,876.45	0.52%	\$164,323,816.4	0	0	0	1,278	10/28/201

A - District Cogvenience/Initiation - Project Related
B - Differing Site Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation Overtime
F - Contractor Responsed Respection Overtime

Contractor: Filanc/Balfour-Beatty Design Engineer: Black & Veatch

						Contract An	nount				Contr	act Days		Original Completion Date:
							Original Contra	ct Amount	\$163,465,940,00		Ong	inal Days:	1,278	10/28/2016
Change On	der Description	Category	IRWD or FBB	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	Change	Cum. Total C.O. days	Days	Revised Completion Date
7	Approved by Exe Dir of Eng & Water Quality				\$24,725.00	\$857,876.45	\$882,601.45	0.54%	\$164,348,541,45	0	0	0	1,278	10/28/2016
	Approved on April 21, 2014 7.1 Meter Shop Discharge Pipe Leak Investigation and Repair (CR-013) PR 21146 (4286) Task 3505	В	IRWD	\$2,542.00						0				
	(4260) 1888 3503 7.2 Additional Reinforcement and Lifting Eyes for Removable Slabs at Solids Handling Building (CR-021) PR 21146 (4286) Task 3505	С	FBB	\$14,059,00						0		l I	l A	
	7.3 Increased Grating Thickness at Solids Handling Facility (CR-041) PR 21146 (4286) Task 3505Additional Conductance Probe Materials for Relay Level Switches for Various Sumps Located at the Microturbine Area PR 21146 (4286) Task 3510	С	FBB	\$8,124.00						0				
8	Approved by General Manager				(\$49,990.00)	\$882,601.45	\$832,611.45	0.51%	\$164,298,551,45	0	0		1,278	10/28/2016
	Approved on April 21, 2014						1		1	1	1	l	1	
4	8.1 Cost Sharing for Project Partnering (CR-	A	IRWD	(\$14,611.00)		1			1	0	1	1	1	1
	Credit for Primavera 7.0 Project Portfolio Management Software (CR-002) PR	A	IRWD	(\$2,700.00)		1			1	0		1	1	1
	8.2 21146 (4286) Task 3235	l .								10		1	1	1
	8.3 Deletion of Concrete Pad near Development Area (CR-004A) PR 21146 (4286) Task 3235	A	IRWD	(\$3,865.00)						0				
- 1	8.4 Deletion of Ground Test Device (CR-034) PR 21146 (4286) Task 3210	A	IRWD	(\$15,579.00)		l l				l _o	1	l.	l	
	8.5 Deletion of Existing T-4 Switchgear Level Indicating Switch (CR-035) PR 21146 (4286) Task 3210	^	IRWD	(\$9,167.00)						0				
	8.6 Change to NEMA 4X Panels and Modification to NEMA 4X Bar Graph Display (CR-046) PR 21146 (4286) Task 3210	A	IRWD	(\$4,068.00)						0				
9	Approved by Exe. Director of Eng & Water Quality				\$24,840.1	\$832,611.4	\$857,451.62	0.52%	\$164,323,391.6	2		P	1,278	10/28/2016
	Approved on May 31, 2014 9.1 Additional Circuits for Gas Monitors and Re-route of Conduits in Solids Handling Facility (CR-028) PR 21146 (4286) Task 3510	С	FBB	\$1,187.49						0				
1	9.2 Cantilevered Beam Support Modifications in the Solids Handling Facility (CR-	l c	FBB	\$4,605.30				1		0		1	1	1
	049) PR 21146 (4286) Task 3505		1.55	0,,535.50	1	1.	1							
	9.3 Additional Ethernet Switches (CR-062) PR 21146 (4286) Task 3510	l c	IRWD	\$19,047.38						0				
10	Approved by Exe. Director of Eng. & Water Quality Approved on May 31, 2014				\$21,398.9	9 \$857,451.6	2 \$878,850 61	0.54%	6 \$164,344,790.6	1	0	0	0 1,278	10/28/2016
	10.1	С	IRWD	\$8,580.62						0				
	Additional Grace Ports for Various PLCs (CR-030) PR 21146 (4286) Task 3510 10 2 Provide H-20 Rated Hatches at WAS Pump Station and Valve Vault (CR-061) PR 21146 (4286) Task 3505	С	IRWD	\$12,818.37						0				

A - District Convenience/Initiation - Project Related
B - Differing Site Conditions
C - Design Oversight
D - Destrict Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Requested Inspection Overtime

Filanc/Balfour-Beatty Contractor. Design Engineer: Black & Veatch

							Contract An						act Days		Original Completion Date:
								Original Contra		\$163,465,940,00		Orig	inal Days:	1.278	10/28/2016
Change	e Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Total C.O. days	Revised Total Contract Days	Revised Completion Date
11		Approved by Exe. Director of Eng. & Water Quality				\$24,739.76	\$878,850.61	\$903,590,37	0.55%	\$164,369,530.37	#REF!	0	#REF!	#REF!	10/28/2016
		Approved on June 4, 2014 Waste Activated Sludge (WAS) Pump Station Structural Modifications (CR- 023) PR 21146 (4286) Task 3505	С	IRWD	\$12,905,49						10				
	11.2	Removable Slab Modifications on the Second Floor of Solids Handling Building (CR-064) PR 21146 (4286) Task 3505	С	IRWD	\$11,834,27						0				
12	12,1	Approved by Board of Directors Approved on July 21, 2014 Final Bid Quantity Adjustment for Bid Item No. 5.2 – Undocumented Fill (suitable) – Remedial Grading – Remove and Re-compact a net increase of 8,104.7 CY from 51,700 CY to 59,804.7 CY at \$5/CY. PR 21146 (4286) Task	В	N/A	\$40,523.37	\$156,580.22	\$903,590.37	\$1,060,170.59	0.65%	\$164,526,110.59	0	0	C	1,278	10/28/2016
	12.2	3505. Final Bid Quantity Adjustment for Bid Item No. 5.5 - Undocumented Fill (not suitable) - Remedial Grading - Remove and Export Offsite, a net increase of 60 CV, from 1.800 CV to 1.860 CV at \$25 /CV PR 21146 (4286) Task 3505	В	N/A	\$1,500,00						0				
	12.3	Final Bid Quantity Adjustment for Bid Item No. 5.6 - Geotextile Fabric - Remedial Grading, a net decrease of 5,414 SF, from 181,500 SF to 176,086 SF at 50.40/SF PR 21146 (4286) Task 3505	В	N/A	(\$2,165.60)						0				
	12.4	Final Bid Quantity Adjustment for Bid Item No. 5.6 - Geotextile Fabric - Remedial Grading, a net decrease of 5,414 SF, from 181,500 SF to 176,086 SF at \$0.40/SF PR 21146 (4286) Task 3505	8	N/A	(\$6,523.33)						0				
	12.5	Final Bid Quantity Adjustment for Bid Item No. 5.8 - Undocumented Fill - Deep Foundations - Removal, a net increase of 966 CY, from 21,650 CY to 22,616 CY at \$5,50/CY, PR 21146 (4286) Task 3505	В	N/A	\$5,313,00						0				
	12.6	Final Bid Quantity Adjustment for Bid Item No. 5.9 - Alluvium - Remedial Grading - Removal and Export Offsire, a net increase of 2,076 CY, from 28,154 CY to 30,230 CY at \$35/CY. PR 21146 (4286) Task 3505	В	N/A	\$72,665.98						0				
×	12.7	Final Bid Quantity Adjustment for Bid Item No. 5.10 - Undocumented Fill Deep Foundations - Compaction of stockpiled materials, a net increase of 3,117 CY, from 11,400 CY to 14,517 CY at \$15/CY. PR 21146 (4286) Task 3505	В	N/A	\$46,755.00				1-1		0				
	12.5	Final Bid Quantity Adjustment for Bid Item No. 5.11 - Undocumented Fill - Deep Foundations - Export excess offsite a net decrease of 2,151 CY, from 10,250 CY to 8,099 CY PR 21146 (4286) Task 3505	В	N/A	(\$30,114.00)						0				

A - District Convenience/fuitiatios - Project Related
B - Differing Sile Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Requested Inspection Oversine

Contractor: Filanc/Balfour-Beatty Design Engineer: Black & Veatch

							Contract Au						act Days		Original Completion Date:
									ect Amount:	\$163,465,940,00		Orig	zinal Days:		10/28/2016
Chang	ge Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum, Total C.O. days	Revised Total Contract Days	Revised Completion Date
		Final Bid Quantity Adjustment for Bid Item No. 5.12 - Geotextile Fabric - Deep Foundations, a net increase of 9,218 SF, from 51,500 SF to 60,718 SF at \$0.60/SF, PR 21146 (4286) Task 3505	В	N/A	\$5,530,80						0				
		Final Bid Quantity Adjustment for Bid Item No. 5.13 - Aggregate Base - Deep Foundations, a net increase of 513.2 CY, from 2,860 CY to 3,373.2CY at \$45/CY. PR 21146 (4286) Task 3505	B	N/A	\$23,095.00	×					0				
13		Approved by Exe. Director of Engineering & Water Quality Approved on July 10, 2014 Modifications to Switchgear 16 (CR-070) PR 21146 (4286) Task 3510	A	FBB	\$10,129.18	\$10,129.18	\$1,060,170.59	\$1,070,299.77	0,65%	\$164,536,239.77	0	0	0	1,278	10/28/2016
14		Approved by General Manager Approved on June 24, 2014 Slide Gates Clarification Regarding Actuators (CR-039) PR 21146 (4286) Task 3520	A	IRWD	\$44,543.19	\$44,543.19	\$1,070,299.77	\$1,114,842.96	0,68%	\$164,580,782.96	0	0	o	1,278	10/28/2016
15	15.1	Approved by General Manager Approval on July 31, 2014 Provide Masonry Shelf Angle at Digester Control Building (CR-031) PR 21146 (4286) Task 3505	С	FBB	\$27,543.19	\$45,214,40	\$1,114,842.96	\$1,160,057.36	0.71%	\$164,625,997.36	0	0	0	1,278	10/28/2016
		Beam Size Increase for Monorail Runway in Solids Handling Building - (CR- 074) PR 21146 (4286) Task 3505	С	FBB	\$1,200.47						0				
	15.3	Upsize Odor Control Circulation Pump Motor Disconnects (CR-082) PR 21146 (4286) Task 3510	В	FBB	\$1,184.83						Ö				
	15.4	Additional Deck Support for the Solids Handling Building Roof (CR-044) PR 21146 (4286) Task 3505	С	FBB	\$15,285.91						0				
16	16,1	Approved by E&O Committee Approved on August 19, 2014 Installation of Level 3 Diesel Particulate Filter (DPF) on the Standby Generator (CR-073) PR 21146 (4286) Task 3520	В	IRWD	\$62,037.10	\$62,037,10	\$1,160,057.36	5 \$1,222,094.46	0.75%	\$164,688,034.40	0	0	0	1,278	10/28/2016
17	17.1	Approved by Board of Directors Approved on August 25, 2014 Modifications to Switchgear 16 (CR-070A) PR 21146 (4286) Task 3510	A	FBB	(\$106,241,99)	(\$106,241,99)	\$1,222,094.46	\$1,115,852.47	0 68%	\$164,581,792.4	0) (0	1,278	10/28/2016
18	16.1	Approved by Board of Directors Approved on August 25, 2014 Stormwater Drainage System Modification (CR-017) PR 21146 (4286)	A	IRWD	\$108,087.55	\$108,087.55	\$1,115,852,47	\$1,223,940.02	0 75%	\$164,689,880.02	0	0 (1,278	10/28/2016

4/4/2018 10:09 AM

A - District Convenience/Initiation - Project Related
9 - Differing Sile Conditions
C - Denign Overnight
D - District Convenience/Initiation - Non-Project Related
E - Constructor Convenience/Initiation
F - Constructor Convenience/Initiation

Filanc/Balfour-Beatty Contractor: Design Engineer: Black & Veatch

						Contract Amount									Original Completion Date:
						Original Contract Amount: \$16							inal Days:		10/28/2016
Change	e Order	Description	Category	IRWD or FBB	Change Order Line ltern Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount		Previous Change Orders	Cum Total C.O. days	Revised Total Contract Days	Revised Completion Date
19		Approved by Executive Director of Engineering & Water Quality Approved on September 30, 2014				\$72,572 86	\$1,223,940,02	\$1,296,512,88	0.79%	\$164,762,452.88	0	0	0	1,278	10/28/2016
	19,1	Modification to Switchgear 16 (CR-070B) PR 21146 (4286) Task 3510	A	IRWD	\$1,125.75						0				
	19.2	Alluvium Removal Due to 36-inch Storm Drain Installation (CR-085) PR 21146 (4286) Task 3520	В	N/A	\$14,140.00						0				
		Additional Structural Support for Fats, Oils, and Grease (FOG) Grinders (CR- 081) PR 21146 (4286) Task 3505	С	FBB	\$8,323,99						0				
	19.4	Portable Lift Truck for 480V ABB Breakers (CR-108) PR 21146 (4286) Task 3510	A	IRWD	\$2,625.12						0				
		Retaining Wall North and West of Biosolids Site (CR-010) PR 21146 (4286) Task 3505	В	IRWD	\$46,358.00						0				
20		Approved by Executive Director of Engineering & Water Quality Approved on November 19, 2014				\$54,485,63	\$1,296,512,88	\$1,350,998.51	0,83%	\$164,816,938.51	Q Q	٥	0	1,278	10/28/2016
	20.1	Nitrogen Slab Modifications (CR-052) PR 21146 (4286) Task 3505	A	IRWD	\$24,855.80						0	1		1	
		Additional Conduits and Circuits for the Access Control Systems for the Solids Handling Building and the Digester Control Building (CR-082) PR 21146	A	IRWD	\$3,412.13						0				
		Digital Power Meters Change for SWGR-14 and SWGR-15 (CR-109) PR 21146 (4286) Task 3510	A	IRWD	\$3,863.22						0				
	20.4	Truck Unloading Panel Modifications (CR-115) PR 21146 (4286) Task 3510	A	IRWD	\$12,843.50						0				
	20.5	Switchgear SWGR-14 Modifications (CR-116) PR 21146 (4286) Task 3510	A	IRWD	\$9,510,98						0				
21		Approved by General Manager Approved on January 30, 2015				\$ 98,506.19	\$1,350,998.51	\$1,449,504.70	0.89%	\$164,915,444.70	0	C		1,278	10/28/2016
	21.1	Additional Anchorage for Methane Digesters (CR-051A) PR 21146 (4286) Task 3520	В	FBB	\$92,367.44						0				
	21,2	Additional Input/Outputs Review of Master I/O List (CR-136) PR 21146 (4286) Task 3510	С	FBB	\$6,138.75						0				

A - District Convenience/Initiation - Project Related
B - Differing Sate Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Commetor Convenience/Initiation
F - Commetor Convenience/Initiation

Filanc/Balfour-Beatty Contractor: Design Engineer: Black & Veatch

						Contract An						act Days		Original Completion Date:
							Original Contra	ct Amount:	\$163,465,940.00		Orig	inal Days:		10/28/2016
Change On	der Description	Сатедоту	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	_	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
22	Approved by Board of Directors Approved on February 9, 2015				\$964,324.51	\$1,449,504.70	\$2,413,829.21	1.48%	\$165,879,769.21	0	0	0	1,278	10/28/2016
	22.1 Electrical Conduit Overfill (CR-055) PR 21146 (4286) Task 3510	C	FBB	\$485,250 28					1	0				
	22.2 Heat Dryer Equipment Escalation Costs (CR-057) PR 21146 (4286) Task 3520	В	FBB	\$333,477.50						0				
	22.3 Glass-lining Sludge Density Meters (CR-067) PR 21146 (4286) Task 3510	A	IRWD	\$71,010.74						Ò				
	22.4 Switchgear-16 Enclosure (CR-040) PR 21146 (4286) Task 3510	С	FBB	\$56,882,30						0				
	22.5 Propane Gas Tank Foundation Demolition (CR-084) PR 21146 (4286) Task 3505	С	IRWD	\$2,004.98						0				
	22.6 Credit for travel costs related to inspection of centrifuges in Germany (CR-091) PR 21146 (4286) Task 3520	A	IRWD	(\$5,573.42)						0				
	22.7 Deletion of MMC Switchgear-14 Breaker (CR-092) PR 21146 (4286) Task 3510	A	IRWD	(\$5,032,00)						0			1	
	22.8 Increase of Fiber Optic Conduit Size (CR-097) PR 21146 (4286) Task 3510	С	IRWD	\$23,269,61						0				
	22.9 Overtime to perform work in the Solids Handling electrical room (CR-103) PR 21146 (4286) Task 3510	A	IRWD	\$1,384.47						0				
	22.10 Credit for modification to the Uninterruptible Power System (CR-118) PR 21146 (4286) Task 3510	A	IRWD	(\$9,771.72)						0				
	22.11 Addition of Low Voltage Compartment in SCE Switch "C" (CR-160) PR 21146 (4286) Task 3510	A	IRWD	\$2,156.20						0				
	22.12 Addition of input/output points relating to sump pumps located at the Solids Handling Building (CR-161) PR 21146 (4286) Task 3510	A	FBB	\$9,265,57						0				

A. District Convenience/Initiation - Project Related
 B. Differing Site Conditions
 C. Design Oversight
 D. District Convenience/Initiation - Non-Project Related
 E. Convender Convenience/Initiation
 F. Contractor Convenience/Initiation

						Contract An	nount				Contr	act Days		Original Completion Date:
							Original Contra	ct Amount:	\$163,465,940.00		Onig	inal Days:	1,278	10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum, Total C.O. days	Revised Total Contract Days	Revised Completion Date
23	Approved by General Manager Approved on February 26, 2015 1 Additional Steel Reinforcement the Pellet Storage Silos Anchor Bolts (CR-094) PR 21146 (4286) Task 3505	В	FBB	\$5,514.57	\$97,005.10	\$2,413,829.21	\$2,510,834.31	l.54%	\$165,976,774.31	0	0	0	1,278	10/28/2016
23	2 Differential Pressure Transmitter (CR-094) PR 21146 (4286) Task 3510	A	IRWD	\$2,535,33						0				
23	3 Additional Aluminum Trench Grating in Digester Control Building (CR-107) PR 21146 (4286) Task 3520	A	IRWD	\$7,552.11						0				
23	.4 Light Weight Concrete for Electrical Conduits Underneath the Solids Handling Building Electrical Room (CR-113) PR 21146 (4286) Task 3510	A	IRWD	\$30,535.94						0				
23	.5 Adding Energyjets Weir Plates to Dewatering Centrifuges - (CR-124) PR 21146 (4286) Task 3520	A	IRWD	\$11,139.25						0				
23	6.6 Provide Angle Supports for the Removable Slabs at the Solids Handling Building – (CR-137) PR 21146 (4286) Task 3520	A	IRWD	\$20,671,61						0				
23	1.7 Structural Modification at Solids Handling Building – (CR-140) PR 21146 (4286) Task 3520	С	FBB	\$1,109 42						0				
	 Increase of Fiber Optic Conduit Size (CR-097) PR 21146 (4286) Task 3510 Steel Joist Framing Modifications at Digester Control Building (CR-151) PR 21146 (4286) Task 3505 	A C	FBB	\$5,516,45 \$2,286.29						0				
23.	10 WAS Valve Vault and Piping Modifications (CR-100) PR 21146 (4286) Task 3520	A	IRWD	\$10,144.13						0				
24	Approved by General Manager Approved on March 6, 2015				\$99,122.95	\$2,510,834.31	\$2,609,957.26	1.60%	\$166,075,897.26	5	0	(1,278	10/28/2016
24	4.1 Coating of WAS/Primary Sludge Pump Stations & Sludge Wetwells per RFI- 0612A (CR-127) PR 21146 (4286) Task 3505	A	FBB	\$99,122.95						0				
25	Approved by Board of Directors Approved on March 23, 2015				\$280,575.97	\$2,609,957.20	\$2,890,533.23	1.77%	\$166,356,473.2		0	0	1,278	10/28/2016
2:	Lightning Protection for the Methane Digesters (CR-121) PR 21146 (4286) Task 3505	С	FBB	\$158,259 68						0				
2	5.2 Deflagration Quench Tubes outside of the Dryer Room (CR-143) PR 21146 (4286) Task 3505	В	FBB	\$122,316.29						0				

A - District Convenience/Initiation - Project Related
B - Differing Site Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Convenience/Initiation
Overtime

Filanc/Balfour-Beatty Contractor. Design Engineer: Black & Veatch

						Contract Am			61/2 //60/6 AA			act Days	1,278	Original Completion Date: 10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum	Revised Total Contract Days	Revised Completion Date
26.2 26.3 26.4 26.3 26.1 26.1 26.1 26.1	Approved by Exe. Dir. Of Engineering & Water Quality Approved on April 14, 2015 UPS and Power Fail Alarms per RFI 357 (CR-056) PR 21146 (4286) Task 3510 I/O Points for Methane Digester Sump Pumps per RFI-356 (CR-077) PR 21146 (4286) Task 3510 Loss of Power Alarms to the SCADA Network per RFI-0393B (CR-093) PR FOG Flushing and Rock Trap Modifications per RFI-0534 (CR-101) PR 21146 Install Grounding Pig Tails in Solids Handling Building Area Electrical Room per RFI 0594 (CR-105) PR 21146 (4286) Task 3510 5 Additional Pushburtons, Light and Relays for the FOG Receiving Control Panel (CR-114) PR 21146 (4286) Task 3510 Changes to the HMI Enclosures at the Sludge Receiving Area (CR-133) PR 21146 (4286) Task 3510 B Provide Storage Shelf for Keyboard and Mouse to the HMI Enclosures at the Sludge Receiving Area (CR-135) PR 21146 (4286) Task 3510 Dewatering Feed Pump Station Guardrail Additions (CR-142) PR 21146 (4286) Task 3520 D Additional I/O Points for PLC-4300 (CR-156) PR 21146 (4286) Task 3510 1 Shoring Revision to Roof Slab of Dewatering Feed Pump Station (CR-189) PR 21146 (4286) Task 3510 2 Coating of the Sludge Receiving Bins (CR-199) PR 21146 (4286) Task 3520	C C A A A A A C C B A	FBB FBB IRWD IRWD IRWD IRWD IRWD FBB FBB	\$3,646,82 \$6,489.00 \$20,297,16 \$18,093,61 \$1,593.10 \$6,892.40 \$7,114,17 \$1,163.26 \$4,204.00 \$3,035.28 \$1,286.99 \$1,000.00		\$2,890,533,23	\$2,965,349.02	1.81%	\$166,431,289.02	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	0	1,278	10/28/2016
27. 27 27.	Approved by Board of Directors Approved on April 27, 2015 Modifications to Human-Machine Interface (HMI) for the Microturbine Area (CR-078) PR 21146 (4286) Task 3510 Modifications to the Piping and Automation Features at Fats, Oils, and Grease (FOG) Facility (CR-129) PR 21146 (4286) Task 3510 Structural Support to the Monorail at the Dewatering Feed Pump Station (CR-152) PR 21146 (4286) Task 3505 Two Additional Magnetic Flowmeters at Polymer Feed System (CR-158) PR 21146 (4286) Task 3510 Modifications to PLCs at Sludge Receiving Area (CR-180) PR 21146 (4286) Task 3510	A A C A	IRWD IRWD FBB IRWD	\$29,744.43 \$35,771.81 \$13,697.51 \$9,522.81 \$18,516.70		\$2,965,349,02	2 \$3,072,602.28	1.88%	\$166,538,542.24	0 0 0 0	() (1,278	10/28/201

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A - District Copvenience/Initistion - Project Related
B - Differing Site Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Requested Inspection Overtime

Contractor: Filanc/Balfour-Beatty Design Engineer: Black & Veatch

							Contract Arr	aount				Contr	act Days		Original Completion Date:
								Original Contra		\$163,465,940.00		Orig	unal Days	1,278	10/28/2016
Chang	e Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount		Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O, days	Revised Total Contract Days	Revised Completion Date
28		Approved by Exe. Dir. Of Eng, & Water Quality Approved on May 15, 2015				\$74,550,35	\$3,072,602.28	\$3,147,152.53	1 93%	\$166,613,092.63	0	0	0	1,278	10/28/2016
1 1	28,1	Decanter Control Panel Modifications (CR-215) Task 3520	С	FBB	\$22,451,01						0				1 1
	28.2	Additional Structural Support in the Solids Handling Building (CR-075) Task 3505	С	FBB	\$12,028.44						0				
	28.3	Additional Sump Pump Drain Line in the Bulk Polymer Storage Area (CR-119) Task 3520	С	FBB	\$1,433.86					-	0				
	28.4	Install Three 5-inch conduits on Southwest Side of the Biosolids Site (CR-120) Task 3510	С	FBB	\$16,033.58						0				
	28,5	Provide Power to Several Instruments Located at the Solids Handling Building and Digester Control Building (CR-154) Task 3520	С	FBB	\$3,454.91						0				
	28.6	Install Foam Separator Drain at Digester Control Building (CR-167) Task 3520	С	FBB	\$11,013.75						0				
	28.7	Install Support for 14-inch Plug Valve at Centrate Treatment Wetwell (CR-197) Task 3520	С	FBB	\$1,715.20						0				
	28,8	Trench Modifications at the Sludge Cake Load-Out Area of the Solids Handling Building (CR-123) Task 3505	С	FBB	\$6,419.60						0				
29		Approved by Board of Directors Approved on June 22, 2015				\$225,971.77	\$3,147,152,63	\$3,373,124.40	2.06%	\$166,839,064.40	C	0	0	1,278	10/28/2016
	29.1	Foul Air Pipe Supports in the Solids Handling Building Basement (CR-106) PR 21146 (4286) Task 3520	С	FBB	\$119,937.87	1					0				
	29,2	Secondary Circuit Breaker for Transformer T-14 (CR-185) PR 21146 (4286)) Task 3510	A	IRWD	\$106,033,90						0				

A - District Convenience/Initiation - Project Related
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F - Contractor Requested Inspection Overtime

						Contract An						act Days		Original Completion Date:
							Original Contra		\$163,465,940.00		Orig	inal Days:	1,278	10/28/201
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum, Total C.O. days	Revised Total Contract Days	Revised Completic Date
30	Approved by Board of Directors Approved on July 27, 2015				(\$47,976.59)	\$3,373,124,40	\$3,325,147.81	2.03%	\$166,791,087.81	0	0	0	1,278	10/28/201
30.1	Credit for Changing Storm Drain line from Ductile Iron to PVC (CR-042) PR 21 146 (4286) Task 3520	A	IRWD	(\$1,890.92)						٥				
30.2	Installation of Additional Digester Anchorage (CR-051B) PR21146 (4286) Task 3505	В	FBB	\$118,335.54						0				
30.3	Huber Screens I/O Modifications per RFI-0391 and RFI-0525A (CR-068) PR 21146 (4286) Task 3510	A	IRWD	\$12,579.20	1					0				
	Credit for FBB's Portion of Partnering (CR-090) PR 21146 (4286) Task Deletion of Waterstops at Methane Digester Complex (CR-102) PR 21146 (4286) Task 3505	E A	FBB IRWD	(\$81,948.33) (\$2,505.79)						0				
30.6	Deletion of Bid Item No. 18.4 - Computers and Networking Hardware for the Control System (CR-138) PR 21146 (4286) Task 3510	A	IRWD	(\$200,000,00)						0				
30.7	Electrical and Gas Modifications (CR-146) PR 21146 (4286) Task 3510	С	IRWD	\$363,978.41						0	1			1
30.8	Credit for Changing Heat Dryer Wet Material Mixer from A24 Steel to A36 Steel (CR-157) PR 21146 (4286) Task 3520	E	FBB	(\$2,392.66)						0				
30.9	Credit for Travel Cost of On-Site Inspection for Acid Phase Digester (CR-175) PR 21146 (4286) Task 3520	В	IRWD	(\$683,39)						0				
30.1	Heat Dryer I/O Modifications per RFI-0626 (CR-179) PR 21146 (4286) Task 3510	A	IRWD	\$11,191.41						0				
30,11	Decant Trough I/O Modifications per RFI-0979 (CR-202) PR 21146 (4286) Task 3510	A	IRWD	\$9,960.55						0				
30.12	Deletion of Interior Coating of Methane Digesters (CR-188) PR 21146 (4286) Task 3520	A	IRWD	(\$398,571 00)						0				
30,13	Piping Modifications and Addition of Carbon Canisters (CR-218) PR 21146 (4286) Task 3520	A	IRWD	\$88,076.01						0				
30.14	Pickling and Passivation of Sludge Mixers (CR-248) PR 21146 (4286) Task 3520	С	IRWD	\$73,997.23										
30.13	FIRWD Costs Associated to Repairing the Pile and Installing Couplers (CR-139) PR 21146 (4286) Task 3505	E	FBB	(\$38,102.85)						0				

A - District Convenience/Initiation - Project Related
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D - District Convenience/Initiation - Non-Project Related
E - Control Convenience/Initiation
F - Control Convenience/Initiation
F - Control Requested Inspection Overtime

						Contract An						act Days		Original Completion Date:
							Original Contra		\$163,465,940.00		Ony	inal Days	1,278	10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Total	Revised Total Contract Days	Revised Completion Date
31	Approved by Exe. Dir. Of Eng. & Water Quality Approved on July 28, 2015				\$74,999.74	\$3,325,147.81	\$3,400,147.55	2,08%	\$166,866,087.55	0	0	0	1,278	10/28/2016
31	.1 Provide Circuit and Breaker for Standby Generator in the Microturbine Area (CR-170) PR 21146 (4286) Task 3510	С	FBB	\$4,296.86						0				
31	2 Additional Pipe Support for 14-inch Air Line at the Centrate Facility (CR-226) PR 21146 (4286) Task 3520	С	FBB	\$893.78						0				
31	.3 Addition of E-stops (CR-128) PR 21146 (4286) Task 3510	A	FBB	\$57,916.71						0				
31	.4 Structural Support of Jib Crane at Dewatering Feed Pump Station Stairwell (CR- 243) PR 21146 (4286) Task 3520	С	FBB	\$11,892,39	R					0				
32	Approved by Exe. Dir. Of Eng. & Water Quality Approved on August 31, 2015				\$74,682 96	\$3,400,147.55	\$3,474,830.51	2.13%	\$166,940,770.51	0	C	0	1,278	10/28/2016
32	2.1 Additional Conduits and Circuits for Fire Alarm in the Solids Handling Building	A	IRWD	\$21,637,57				1	1	0		1		
30	2,2 Additional Davit Bases at Centrate Treatment Facility (CR-111) PR 21146 (4286) Task 3520	A	IRWD	\$1,809.77						0				
32	2.3 Additional Fire Alarm Panel in Digester Control Building (CR-169) PR 21146 (4286) Task 3510	A	IRWD	\$25,153_79						0				
32	2.4 Modifications to FOG Sump Pumps Controls (CR-177) PR 21146 (4286) Task 3510	A	IRWD	\$5,690.83						0				
	2.5 Additional Truck Load-out Conveyor Input and Output (CR-201) PR 21146 (4286) Task 3510	A	IRWD	\$2,220.12						0				
	2.6 Additional Spare Conduits in the Microturbine Area (CR-229) PR 21146 (4286) Task 3510		FBB	\$14,602.41						0				
3:	2.7 Conduits for Electrical Disconnect Switch for Roll-Up Doors of the Digester Control Building (CR-230) PR 21146 (4286) Task 3510	A	IRWD	\$3,568.47						0				
33	Approved by Executive Director of Engineering & Water Quality Approved on September 30, 2015				\$58,247.75	\$3,474,830.51	\$3,533,078.26	2,16%	\$166,999,018.20	0	(-	1/0/1900
	3.1 Realignment of 8-inch Reclaimed Water Line at Gate 2 (CR-225) PR 21146 (4286) Task 3520	B	FBB	\$24,017.48						0				
	3.2 Additional Conduits and Wires for Lighting Circuits to Minimize Voltage Drop (CR-228) PR 21146 (4286) Task 3510	С	IRWD	\$32,399.41						0				
3:	3.3 Cable and Conduit Changes at Solids Handling Building and Dewatering Feed Pump Station (CR-231) PR 21146 (4286) Task 3510	С	IRWD	\$1,830,86		-				0				

A - District Convenience/Initiation - Project Related
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C - Design Oversight
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F - Contractor Requested Inspection Overtime

Contractor: Filanc/Balfour-Beatty Design Engineer: Black & Veatch

							Contract An						act Days		Original Completion Date:
Change O	rder	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Original Contra Cumulative Total of Change Orders	% of Original	Revised Contract Amount	Change Order Days	Previous Change		1.278 Revised Total Contract Days	Revised Completion Date
34	App 34.1 Cred	proved by Board of Directors proved on October 26, 2015 dir for Third Submittal Review Through 05/31/2015 (CR-088) PR 21146 86) Task 1065	В	IRWD	(\$39,502.50)	\$164,775.28	\$3,533,078.26	\$3,697,853 54	2_26%	\$167,163,793,54	0	0	0	1,278	10/28/2016
	(428 34.3 Cred	dit for Overtime Inspection Hours Through 05/31/2015 (CR-089) PR 21146 86) Task 3520 dit for Special Inspections for Structural Anchors and Geotechnical estigation (CR-295) PR 21146 (4286) Task 1065	F A	FBB IRWD	(\$80,850,00) (\$27,500,00)						0				
	34.4 Cha	ange in Knife Gate Valve Manufacturer (CR-187) PR 21146 (4286) Task 20 dit for Changes in Low Voltage SWGR-14 Circuit Breaker (CR-163) PR	E A	FBB IRWD	\$275,954.90 (\$1,978.00)						0				
	2114	46 (4286) Task 3510 ange to Addressable Smoke Detectors (CR-220) PR 21146 (4286) Task 3510	В	IRWD	\$38,650.88						0				
35	35.1 Cha	proved by General Manager proved on November 25, 2015 ange in Naming Convention for Storm Water Pump Station (Area 1500) ADA Programming (CR-181) PR 21146 (4286) Task 3510	E	FBB	\$9,027.03	\$97,980.57	\$3,697,853.54	\$3,795,834.11	2 32%	\$167,261,774,11	0		o c	1,278	10/28/2016
	35.2 Valv	lve Status Override Functionality (CR-182) PR 21146 (4286) Task 3510 ptrol Changes for Primary Sludge and Waste Activated Pump Stations (Area	E A	FBB IRWD	\$38,999.08 \$36,772.78						0				
	190 35,4 Moi	00) SCADA Programming (CR-184) PR 21146 (4286) Task 3510 otor Protection Relay (CR-239) PR 21146 (4286) Task 3510	A	IRWD	\$13,181.68						0				
36	36.1 Light PR: 36.2 Out orde Stee	proved by General Manager proved on December 3, 2015 pht Weight Concrete for Underslab Conduits at Microturbine Area (CR-253) .21146 (4286) Task 3510 tstanding CB&I Items (CR-099A) PR 21146 (4286) Task 3520 – This change ler includes: CR-098 (Guard Rail at Biogas Storage Tank); CR-099 (Tube ele Supports); additional Off-Site Storage Costs; and credit for Use of SS 308 Lieu of SS 316L Welds.	A B	FBB FBB	\$21,117.50 \$64,890.00	\$86,007.50	\$3,795,834.11	1 \$3,881,841.61	2.37%	\$167,347,781,61	0) (1,278	10/28/2016

A. District Convenience/Initiation - Project Related
 B. Difflering Site Conditions
 C. Design Oversight
 D. District Convenience/Initiation - Non-Project Related
 E - Contractor Convenience/Initiation
 F - Contractor Requested Importion Overtime

						Contract Art	nount				Contr	act Days		Original Completion Date:
							Original Contra	ct Amount:	\$163,465,940.00		Orig	inal Days:	1,278	10/28/201
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount		Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount					Date
37	Approved by Exe, Director of Engineering and Water Quality Approved on January 21, 2016				\$47,446.49	\$3,881,841.61	\$3,929,288.10	2.40%	\$167,395,228.10	0	0	0	1,278	10/28/201
37.1	Additional Pressure Relief Valves in the Digester Control Building Slab (CR- 112) PR 21146 (4286) Task 3520	С	IRWD	\$1,065.72						0				
37.2	Change Feeder Circuit Breaker Size in MCC-4102 (CR-165) PR 21146 (4286) Task 3510	С	IRWD	\$4,157.60						0				
	Change Feeder Circuit Breaker Size for the Primary Sludge Pump Variable Frequency Drive (CR-233) PR 21146 (4286) Task 3510	С	IRWD	\$2,430,59						0				
	SCADA Programming Changes Due to Change to Schweitzer Power Quality	A	FBB	\$16,814,00						0				1
37,5	Additional Labeling of Parallel Conduits and Cables (CR-262) PR 21146 (4286) Task 3510	A	IRWD	\$8,410.00										
37.6	Change in Sludge Receiving Entrance Beacon Operation CR-263) PR 21146 (4286) Task 3510	A	IRWD	\$5,382.19	ľ					0				
37.7	Anodize Aluminum Light Fixture Stanchions/Sun Shades (CR-283) PR 21146 7 (4286) Task 3510	A	IRWD	\$5,911.61						0				
37,8		A	FBB	\$3,274.78						0				

A - Distrier Convenience/faitation - Project Related
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D - Distriet Convenience/faitation - Non-Project Related
E - Contractor Convenience/faitation
F - Contractor Requested Jappention Overtime

Contractor: Filanc/Balfour-Beatty Design Engineer: Black & Veatch

							Contract An						ract Days		Original Completion Date:
								Original Contra	ct Amount:	\$163,465,940.00		Ori	inal Days:	1.278	10/28/2016
Cha	ange Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders		Revised Total Contract Days	Revised Completion Date
38		Approved by General Manager				\$83,345.07	\$3,929,288.10	\$4,012,633,17	2.45%	\$167,478,573,17	0	C	0	1,278	10/28/2016
	38.1	Approved on February 29, 2016 Software Control Block Revision for Area 4300 – Dewatering (CR-211) PR 4286 Task 3510	С	FBB	\$18,908.76				* *		o.				
	38.2	Revised Master List of SCADA Templates (CR-247) PR 4286 Task 3510	С	FBB	\$47,274.54					1	0				1 1
	38,3	Additional Overflow Alarms at Sludge Holding Tanks (CR-280) PR 4286 Task 3510	A	IRWD	\$9,654,54						0				
	38.4	Leak Detection at Sulfuric Acid Facility (CR-290) PR 21146 (4286) Task 3510	A	IRWD	\$5,499,97						0				
	38,5	Insulation for Acid Phase Gas Piping (CR-218A) PR 21146 (4286) Task 3520	A	IRWD	\$2,007,26						0				
39		Approved by General Manager				\$98,006.46	\$4,012,633.17	\$4,110,639 63	2,51%	\$167,576,579.63	0		0	1,278	10/28/2016
1		Approved on March 7, 2016													1 1
	39.1	SCE Installation - Final Accounting of Work Items Between Negotiated Change Order and Actual Work (CR-146E) PR 4286 Task 3510	В	FBB	\$7,809.51						0				
	39,2	Installation of Southern California Gas (SCG) Boxes (CR-146F) PR 4286 Task 3510	A	FBB	\$3,479.81						0				
	39,3	Schweitzer SEL-735 Power Monitors for Centrifuge Panels (CR-207) PR 4286 Task 3510	A	IRWD	\$34,274.40						0				
1	39.4	Hirschmann Ethernet Switches for Centrifuge Panels (CR-208) PR 4286 Task 3510	A	IRWD	\$9,569.15						0				
	39,5	Addition of Sample Pump Variable Frequency Drives for Thickening Centrifuges (CR-237) PR 4286 Task 3520	E	IRWD	\$24,496.55						0				
	39.6	Upgrade of Exit Signs and Ceiling Lights in the Gas Room of the Digester Control Building to NEC Class 1 Division 1 (CR-313) PR 4286 Task 352	A	IRWD	\$18,377.04						D				
40		Approved by General Manager Approved on April 20, 2016				\$97,287.05	\$4,110,639.63	\$4,207,926 68	2.57%	\$167,673,866.68	0	0	0	1,278	10/28/2016
	40.1	Brace Plates in Solids Handling Building (CR-069) PR 4286 Task 3505	С	FBB	\$40,216.76					1	0		1		
	40.2	Relocation of RIO-50 Panel (CR-186) PR 4286 Task 3510	В	FBB	\$4,818.64						0				
	40,3	Addition of Two Doors at the bases of the stairways at Methane Digesters Nos, 1 and No. 2 (CR-232) PR 4286 Task 3505	С	FBB	\$52,251.65						0				

A - District Convenience/Initiation - Project Related
B - Differing Star Constitions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Requested Inspection Overtime

								ract Days		Original Completion Date:				
							Original Contra		\$163,465,940,00		Orig	ginal Days:		10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders		Revised Total Contract Days	Revised Completion Date
41	Approved By Board of Directors				\$1,103,650 56	\$4,207,926.68	\$5,311,577.24	3.25%	\$168,777,517.24	0	C	0	1,278	10/28/2016
	Approved on May 23, 2016					V 40				1				
41.1	Additional SCE and SCG Modifications (CR-146A) PR 4286 Task 3510	В	FBB	\$51,238,69						0				
41.3	Additional Potholing Due to SCE and SCG Realignment (CR-146B) PR 4286 Task 3510	В	FBB	\$36,706,57						0				
41.3	Additional Cameras at the Unloading/Loading Area of the Solids Handling Facility (CR-164) PR 4286 Task 3505	A	IRWD	\$61,731.96						0				
41.4	Fire Sprinkler System Modifications – Mechanical (CR-174) PR 4286 Task 3520	В	IRWD	\$154,592,08						0				
41.5	Fire Sprinkler System Modifications – Electrical (CR-166) PR 4286 Task 3510	В	IRWD	\$13,730.06						o				
41.0	Fiber Optic System Modifications (CR-172/CR-306/CR-314) PR 4286 Task	A	IRWD	\$178,879.46						0				
41.	7 T-15, T-16, and T-17 Secondary Breakers (CR-185A, CR-185B, and CR-185C) PR 4286 Task 3510	A	IRWD	\$254,941.66						0				
41.3	8 Cable and Conduit Changes at the Sludge Receiving Area of the Solids Handling Building (CR-203) PR 4286 Task 3510	С	FBB	\$14,338,94						0	l			
41.	9 Concrete Surface Treatment (CR-222) PR 4286 Task 3505	A	IRWD	\$68,714,34		1			1	0	1	1	1	
41,	Heating Water Boiler Control Modifications (CR-246) PR 4286 Task 3510	A	IRWD	\$71,379,00						0				
41.1	1 SCADA Control Modifications for the Acid Phase Digesters, Methane Digesters, and Sludge Holding Tank (CR-252) PR 4286 Task 3510	A	IRWD	\$50,540.23						0				
41,1	2 Ambient Gas Analyzer Wiring Modification (CR-264) PR 4286 Task 3510	В	IRWD	\$19,734.51	l.		U	1	1	0		1	1	
41.1	3 Disconnect Switches for Flow Valves in the Solids Handling Building (CR-272) PR 4286 Task 3510	С	IRWD	\$25,550.26						0		1		
41.1	4 Centrifuge Pedestal Modifications (CR-301) PR 4286 Task 3505	C	IRWD	\$30,603.14						0	1	1	1	1
41,1	5 SCADA, Instrumentation, and Electrical Modifications (CR-287, CR-294, and CR-322) PR 4286 Task 3510	A	IRWD	\$70,969.66						0				

A - District Convenience/Initiation - Project Related
 B - Differing Site Conditions
 C - Design Oversight
 D - District Convenience/Initiation - Non-Project Related
 D - District Convenience/Initiation
 F - Contractor Convenience-Initiation
 F - Contractor Requested Inspection Overtime

							Contract Am						act Days		Original Completion Date:
0								Original Contra		\$163,465,940.00		Ong	inal Days:	1,278	10/28/2016
Chan	ge Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
42		Approved By Board of Directors				(\$199,771.09)	\$5,311,577.24	\$5,111,806,15	3.13%	\$168,577,746.15	0	0	0	1,278	10/28/2016
1 1		Approved on May 23, 2016	_												
1		Value Engineering of Chemical Pump Systems (CR-054) PR 4286 Task 3520	E	FBB	(\$48,549.90)						0				
Н	42,2	Change in Lightning Protection Installation for Egg-Shaped Digesters (CR- 121A) PR 4286 Task 3510	E	FBB	(\$97,141.74)						O				
	42.3	Deletion of Seal Water Stations and Seal Water Piping (CR-214) PR 4286 Task 3520	A	IRWD	(\$10,557.28)					П	0				
	42,4	Deletion of Low Pressure Switches for Centrate Pumps (CR-257) PR 4286 Task 3510	A	IRWD	(\$1,748.17)						0				
1 1	42.5	Centrifuge Seismic Restraint Design Costs (CR-345) PR 4286 Task 1065	A	IRWD	(\$24,064.00)						0				
		Credit for Overtime Inspection Hours From 6/1/2015 to Through 12/31/2015 (CR-089B) PR 4286 Task 1065	F	FBB	(\$17,710,00)						0				
43		Approved by Exe, Director of Engineering and Water Quality				\$74,731.69	\$5,111,806,15	\$5,186,537.84	3,17%	\$168,652,477.84	0	0	0	1,278	10/28/2016
1 1		Approved on May 31, 2016													
1		Combustible Gas Detection System (CR-234) PR 21146 (4286) Task 3510	E	FBB	\$18,843.39			1			0				
	43.2	Additional Wires and Cables Between MCC-4102 and PLC-4000 (CR-278) PR 21146 (4286) Task 3510	C	FBB	\$1,775.13						l ^o				
	43.3	SCADA Programming Modifications (CR-282) PR 21146 (4286) Task 3510	E	FBB	\$49,679.02										
	43.4	Change of Waste Gas Burner Feeder Circuit Breaker (CR-344) PR 21146 (4286) Task 3510	В	FBB	\$4,434.15						0				
44		Approved by Exe. Director of Engineering and Water Quality				\$74,912.99	\$5,186,537.84	\$5,261,450 83	3,22%	\$168,727,390.83	3	0	4	1,278	10/28/2016
1 1	44.1	Approved on June 29, 2016 Electrical and Telephonic Modifications for Elevators for Solids Handling	С	FBB	\$38,882.06						0				
		Building and Digester Control Building (CR-037A) PR 4286 Task 3510 Odor Control Recirculation Pump Selector Switch SCADA Modifications (CR- 343) PR 4286 Task 3510	A	IRWD	\$9,294.71						0				
		SCADA Valve Matrix Tables Animation Clarification for Milestone 1 (CR-353) PR 4286 Task 3510	A	IRWD	\$9,195.86						0				
	44.4	PLC Status Object Update (CR-234) PR 4286 Task 3510	В	FBB	\$4,783.14						0	1		1	
		Elevator Safety Beam in the Digester Control Building (CR-302) PR 4286 Task 3505	c	FBB	\$3,830.95						0				
	44.6	Masonry Changes to the North Retaining Wall (CR-365) PR 4286 Task 3505	В	IRWD	\$8,926.27						0			1	

A - District Convenience/Initiation - Project Related
B. Differing Site Conditions
C - Design Oversight
D- District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Requested Impection Overtime

						Contract An	nount				Cont	act Days		Original Completion Date:
							Original Contra	ect Amount:	\$163,465,940.00		Orig	inal Days:	1,278	10/28/2016
Change Orde	π Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Total	Revised Total Contract Days	Revised Completion Date
45	Approved by Board of Directors Approved on July 25, 2016/December 20, 2016 1 Recovery Plan PR 4286 Task 3510	В	FBB	\$9,250,000.00	\$9,250,000 00	\$5,261,450.83	\$14,511,450.83	8 88%	\$177,977,390.83	368 368	0	368	1,646	10/31/2017
46	Approved by General Manager				\$94,696.76	\$14,511,450,83	\$14,606,147,59	8.94%	\$178,072,087,59		368	368	1,646	10/31/2017
70	Approved on January 27, 2017				\$54,050.70	314,511,450,65	\$14,000,147,35	0,777	3170,072,007,55	1 "]	300	1,040	10/31/2011
	6 I Additional Masonry Anchor in the Solids Handling Building (CR-200) PR 4286	С	IRWD	\$1,457.22						0				
	6.2 Additional Auto Dialer (CR-234A) PR 4286 Task 3510	A	IRWD	\$6,081.90						0	l î			10
504	6.3 Grating and Handrail Modifications at Bulk Polymer Storage Platform (CR-300) PR 4286 Task 3505	A	IRWD	\$5,568.83						0				
4	6.4 SCADA IP Address Update (CR-309) PR 4286 Task 3510	A	IRWD	\$1,227.96						0				
0.4	6.5 Masonry Modifications at Solids Handling Building Stairwell (CR-324) PR 4286 Task 3505	С	FBB	\$5,939.45						n				
3	6.6 Change in Valve Operator at the Centrate Treatment Facility (CR-329) PR 4286 Task 3520	A	1RWD	\$4,824.29						0				
	6.7 Boot Wash Landing Addition (CR-349) PR 4286 Task 3505	С	FBB	\$1,834.60			1			0	1			
1 4	6.8 Updating Valve Analog SCADA Template (CR-354) PR 4286 Task 3510	A	IRWD	\$692.72			1			0	l			
	6.9 Additional Light Fixtures and Lamps (CR-355A) PR 4286 Task 3510	A	IRWD	\$8,508.46			1			0	1			1
46	i.10 Addition of Rebate Angle in the FOG Unloading Sump Area (CR-363) PR 4286 Task 3505	A	IRWD	\$763.62						0				
46	11 MCC-4103 Hot Water Circulation Pump Breakers Change (CR-366) PR 4286 Task 3510	В	IRWD	\$2,316.03						0.				
	.12 MCC-4100/4101 Cake Transfer Pump Breakers Change (CR-370) PR 4286 Task 3510	В	IRWD	\$23,720.61						0				
46	13 MCC-4102 Breaker Change (CR-374) PR 4286 Task 3510	В	IRWD	\$2,316.03			1			0	1			1
40	5.14 SCADA Programming Modifications During Benchtest No.1 for Areas 1900 and 2000 (CR-376) PR 4286 Task 3510	A	IRWD	\$24,092,32						0				
46	.15 Additional Light Fixture Above Door in Digester Control Building Gas Room (CR-399) PR 4286 Task 3510	■A	IRWD	\$1,478.19						0				
46	c.16 Change in Size of Disconnect Switches for Digested Sludge Mixers (CR-408) PR 4286 Task 3510	В	FBB	\$1,290,10						0				
44	5.17 Additional Thickening Feed Grinder Control Panel Circuits (CR-438) PR 4286 Task 3510	В	IRWD	\$1,286.63						0				
	5.18 Thickness and Glazing Change for Windows (CR-438) PR 4286 Task 3510	С	IRWD	\$1,297.80					V	0				

A - District Convenience/Initiation - Project Related
B - Differing Size Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Controttor Convenience/Initiation
F - Convenience (Initiation)

						Contract Arr	nount				Contra	act Days		Original Completion Date:
							Original Contra	ct Amount:	\$163,465,940.00		Orig	inal Days:	1,278	10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount		Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
47	Approved by General Manager				\$96,414.36	\$14,606,147.59	\$14,702,561.95	8.99%	\$178,168,501.95	0	368	368	1,646	10/31/2017
	Approved on February 28, 2017													
471	Relocation of Neutralization Tank Drainage Piping PR 4286 Task 3520	В	FBB	\$2,312.08						0				
	Modifications to Digester Control Building Door and Piping Due to Heating Water Expansion Tank Pad Adjustment (CR-221) PR 4286 Task 3505	С	FBB	\$5,500.74						0				
47.3	PLC-3100 Changes (CR-284) PR 4286 Task 3510	C	FBB	\$1,070.38						0				
/ / / / / / / / / / / / / / / / / / /	Additional Angle Support to Acid Phase Digester Bridges (CR-298) PR 4286 Task 3505	С	FBB	\$4,986.21						0				
	5 Additional Potable Water Gate Valves (CR-332) PR 4286 Task 3520	A	IRWD	\$3,892.44			1			0				
	6 T-4 Kirk Key Interlock Installation (CR-335) PR 4286 Task 3510	В	IRWD	\$6,924.69		l.	1			U.			1	
	7 Solids Handling Building Dumpster Room Channel Frames Modifications (CR- 338) PR 4286 Task 3505	C	FBB	\$5,093,87						0				
47,	8 PCS Server Configuration Clarification (CR-352) PR 4286 Task 3510	A	IRWD	\$6,824.35					1	0			1	1
47.	Additional Anchorage Support for Ledgers of the Digester Control Building Roof (CR-361) PR 4286 Task 3505	С	FBB	\$13,794.95						0				
47.1	Change of MCC-4103 Hot Water Circulation Pump Breakers (CR-366B) PR 4286 Task 3510	A	IRWD	\$1,336.13						0				
47.1	l Centrate Treatment Facility Pull Boxes Duct Bank Settlement (CR-383) PR 4286 Task 3510	В	FBB	\$3,3 00.13						0				
47.1	2 Modifications to the MCC-4100/4101/4102/4103 (CR-405) PR 4286 Task 3510	В	FBB	\$7,418,52						o				
47.1	3 Cake Storage Hopper Modifications (CR-421) PR 4286 Task 3510	c	FBB	\$2,250.67	1	l .			0	0			1	1
47.1	4 Removing Installed Lighting in the Solids Handling Building (CR-427) PR 4286 Task 3510	A	IRWD	\$8,947.37	1					0			1	
47.1	5 Electrical Changes for Generator MPC (CR-430) PR 4286 Task 3510	A	IRWD	\$10,950.14						0				
47.1	6 Electrical Modifications to MCC-4100 and 4103 (CR-431) PR 4286 Task 3510	A	FBB	\$4,500.00						0				1
	7 Occupancy Sensors in the Solids Handling Building Shower Areas (CR-444) PR 4286 Task 3510	1	FBB	\$1,601,36	1					0				-
47.1	8 Digester Gas Pre-Treatment In-Slab Conduit Size Change (CR-454) PR 4286 Task 3510	С	FBB	\$5,710,33						0				

A - District Convenience/failation - Project Related
B - Differing Size Conditions
C - Design Oversight
D - District Convenience/fairinism - Nort-Project Related
E - Contractor Convenience/fairinism on
F - Contractor Requested Inspection Oversigne

·				Contract Amount Original Contract Amount: \$163,465,940							Contr	act Days		Original Completion Date:
							Original Contra	act Amount:	\$163,465,940.00		Orig	inal Days:	1,278	10/28/201
Change Orde	Description	Сатедоту	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders		Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
48	Approved by Board of Directors				\$728,237.74	\$14,702,561.95	\$15,430,799.69	9.44%	\$178,896,739.69	0	368	368	1,646	10/31/201
	Approved on March 13, 2017													1
4	3.1 Structural Modifications of the Elevator Shafts (CR-037) PR 4286 Task 3505200) PR 4286 Task 3505	В	FBB	\$58,705.90						o				
4:	3.2 SCADA Programming Update of Polymer Feed and Storage System (CR-148A) PR 4286 Task 3510	A	FBB	\$23,685,14						0				
4	3.3 Stairs and Platform at SHB Load-Out Area (CR-149) PR 4286 Task 3505	С	FBB	\$39,622,65						0				
4	3.4 Additional Polymer Dilution Flow Meters and Associated Conduits and Cables (CR-159B) PR 4286 Task 3510	A	IRWD	\$38,978.70						0				
4	3.5 Miscellaneous Andritz Items (CR-205) PR 4286 Task 3520	A	IRWD	\$41,246.71			1			0				
4	8,6 RIO-4001 Changes (CR-286) PR 4286 Task 3510	A	IRWD	\$27,889.74			1.			0				l
4	8.7 RIO-3102 Changes (CR-310) PR 4286 Task 3510	A	IRWD	\$18,280.62						0				1
4	8.8 Mini Power Center - Additional Outlet and Data Locations in the SHB (CR-419) PR 4286 Task 3510	A	IRWD	\$13,261.60						0				
4	8.9 New Lighting in the SHB First Floor Area (CR-427A) PR 4286 Task 3510	A	IRWD	\$102,503.46	1		1			0	1			1
48	10 Additional Conduits and Cables for Thermocouples for Several Pumps (CR-424, CR-424A through CR-424F) PR 4286 Task 3510	В	FBB	\$54,982.68						0				
48		С	FBB	\$128,000,00							1			1
	Additional Wall Panel Framework at the SHB (CR-445) PR 4286 Task 3505									0	1			1
48	12 Changes in Uninterruptible Power Supply Units (CR-162/CR-162A) PR 4286 Task 3510	A	IRWD	\$128,052.94						0				
48	13 Addition of Circuit Breaker at Transformer T-14 (CR-474) PR 4286 Task 3510	A	IRWD	\$53,027.60						0				

A - District Convemience/Initiation - Project Related
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D - District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Requerted Inspection Overtime

							Contract An			01/3 /// 01/000			ract Days	1 220	Original Completion Date:
								Original Contra		\$163,465,940,00	_	Ong	ginal Days:	1,278	10/28/2010
Change	e Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
49		Approved by Board of Directors				(\$47,099,20)	\$15,430,799.69	\$15,383,700.49	9.41%	\$178,849,640.49	0	368	368	1,646	10/31/201
	49.1	Approved on March 13, 2017 Related Mechanical Piping Modifications Due to Change in Chemical Pumps in	E	FBB	(\$23,897,73)						0				
1		CCO No. 42 (CR-054A) PR 4286 Task 3520 Changing the Solids Handling Building Roofing from EPDM to PVC (CR-255) PR 4286 Task 3505	E	FBB	(\$9,000 00)						0				
	49.3	Net Reduction of Scope of Work in CR-353 – SCADA Valve Matrix Tables Animation Clarifications (CR-353B/353C) PR 4286 Task 3510	A	IRWD	(\$4,429 09)						0				
	49.4	Change in Starters for MCC-4100/4101 Cake Transfer Pump Breakers (CR- 370A) PR 4286 Task 3510	A	IRWD	(\$4,047.43)						0			į,	
	49.5	Deletion of Insulation for the Solids Handling Building Foundation (CR-393) PR 4286 Task 3505	A	IRWD	(\$5,724.95)						0				
50		Approved by Executive Director of Engineering & Water Quality				\$72,150,89	\$15,383,700,49	\$15,455,851,38	9.46%	\$178,921,791.38	3 0	368	368	1,646	10/31/201
		Approved on March 31, 2017	1	1				1			1	1		1	1
	50.1	Electrical Modifications to FOG Local Control Panel 70-LCP-0710 (CR-304) PR 4286 Task 5.30	A	IRWD	\$6,614.77					121	0				
	50.2	Condensate Modifications at Digester Gas Pre-Treatment Area (CR-312) PR 4286 Task 5.31	С	FBB	\$9,826.09),	0				
	50.3	Installation of Lindapters Instead of Eye Bolts (CR-413) PR 4286 Task 5.29	A	FBB	\$13,346.01			1			0			1	1
	50.4	T-5 Connection to Biosolids Switch-14 (CR-480) PR 4286 Task 5.30	A	IRWD	\$35,170.26						0	1			1
	50.5	PR 4286 Task 5.30	С	IRWD	\$7,193.76						10				
51		Approved by Executive Director of Engineering & Water Quality				(\$126,390.00)	\$15,455,851.38	\$15,329,461,38	9,38%	\$178,795,401.3	8 0	368	368	1,646	10/31/201
		Approved on March 31, 2017													1
		Credit for Overtime Inspection Hours From 1/1/2016 to Through 12/31/2016 (CR-089C) PR 4286 Task 4.0	F	IRWD	(\$97,570.00)	1					0		1		
	51.2	2 Credit for Overtime Inspection Hours From 1/1/2017 to Through 03/31/2017 (CR-089D) PR 4286 Task 4.0	E	IRWD	(\$28,820 00))					0				

A - Dustriet Convenienze/Initiation - Project Related
B - Differing Site Conditions
C - Design Oversight
D - Distriet Convenienze/Initiation - Non-Project Related
E - Control Convenienze/Initiation
F - Control Convenienze

						Contract Am	ount				Contr	act Days		Original Completion Date:
							Original Contro	et Amount:	\$163,465,940.00		Orig	inal Days:	1,278	10/28/2016
Change Orde	r Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
52	Approved by General Manager				\$98,342.16	\$15,329,461.38	\$15,427,803.54	9.44%	\$178,893,743.54	0	368	368	1,646	10/31/2017
	Approved on April 28, 2017								1					1 1
5	2.1 Removal of Unsuitable Alluvium (CR-146H) PR 4286 Task 5,29	В	FBB	\$3,564.32			1			0				1 1
	2 2 Polymer Dilution Water Flowmeters (CR-159A) PR 4286 Task 5,31	A	IRWD	\$14,090.39						0				
	2.3 Aluminum Handrail and Guardrail Modifications at Liquid Chemical and Polymer Areas (CR-171) PR 4286 Task 5.30	A	IRWD	\$13,765.20						0				
5	2.4 Modifications Due to Solids Handling Building Electrical Room Equipment Clearance Issues (CR-196) PR 4286 Task 5.30	С	FBB	\$9,382.01						0			- 5	
5	2.5 Data and Telephone Outlets in Solids Handling Building (CR-261) PR 4286 Task 5.30	A	IRWD	\$27,620.21						0				
5	2.6 HVAC Duct Modifications in Dewatering Feed Pump Station (CR-268) PR 4286 Task 5.31	С	FBB	\$16,023.50						0				
5	2.7 Coating of 8 Roll-up doors (CR-358) PR 4286 Task 5.29	A	IRWD	\$5,710,32						0				1 1
5	2.8 Upsizing Wire Size of Dewatering Feed Pump Station Main Breaker Light Panel LP-3501 (CR-390) PR 4286 Task 5.30	A	IRWD	\$1,449.75						0				
5	2.9 Modifications to the Roofs of the Solids Handling Building and Digester Control Building (CR-528) PR 4286 Task 5 29	A	IRWD	\$6,736.46						0				
53	Exe. Director of Water Quality and Engineering				\$42,281.96	\$15,427,803.54	\$15,470,085,50	9,46%	\$178,936,025.50		368	368	1,646	10/31/2017
5	Approved on June 5, 2017 3.1 Modifications to Regenerative Thermal Oxidizer (RTO) Drainage and Utility Water Piping (CR-267) PR 4286 Task 5.31	С	IRWD	\$33,814.80										
5	 Modifications to Liquid Chemical Feed Control Panel Wiring (CR-396) per RFI- 1602 PR 4286 Task 5.30 	С	FBB	\$8,467.16		N.				0				
54	Approved by General Manager				\$44,210,51	\$15,470,085,50	\$15,514,296.01	9.49%	\$178,980,236.0	1	368	368	1,646	10/31/2017
5	Approved on June 19, 2017 4.1 Modifications to Thickening and Dewtering Platforms (CR-195) PR 4286 Task 5.29	С	FBB	\$44,210.51						0				
55	Approved by General Manager				\$94,352.43	\$15,514,296.01	\$15,608,648.44	9.55%	\$179,074,588.4		368	368	1,646	10/31/2017
	Approved on July 3, 2017					1				1	1		1	
]] ;	55.1 Additional Pipe Supports of 54-Inch Fiberglass Reinforced Air Duct (CR-106A) PR 4286 Task 5.29	c	FBB	\$14,211.18						0				
	55.2 Natural Gas Step Down Manifolds and Gas Transition Piping (CR-146G) PR 55.3 Modifications to the West End Stair Landing of the Solids Handling Building (CR-315) PR 4286 Task 5.29	B B	IRWD IRWD	\$20,489.32 \$5,622.11						0				

I(CR-315) PR 4286 Task 5
A - Destrict Convenience/finitiation = Project Related
B - Differing Site Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Convenience/Initiation
Overtime

							Contract An	nount				Contr	act Days		Original Completion Date:
								Original Contra	ct Amount:	\$163,465,940.00		Orig	mal Days:	1,278	10/28/2016
Chan	nge Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum, Total C.O. days	Revised Total Contract Days	Revised Completion Date
	55.4	Regenerative Thermal Oxidizer (RTO) Pad Modifications (CR-400) PR 4286 Task 5.29	С	FBB	\$8,471.16						0				
		Addition of Thin Client at the Dryer Facility (CR-485) PR 4286 Task 5.30 Change in Size to 2 Check Valves in the Digester Control Building (CR-514) PR 4286 Task 5.31	A C	IRWD FBB	\$36,874.10 \$8,684.56						0		1	ž.	
56		Approved by Board Approved on July 24, 2017				\$201,744.33	\$15,608,648.44	\$15,810,392.77	9,67%	\$179,276,332,77	0	368	368	1,646	10/31/201
		Addition Of Stairs and Platform to RTO (CR-266) PR 4286 Task 5.29 Microturbine CLC (ESC Capstone) per RF[114] (CR-277) PR 4286 Task 5.30	A B	IRWD FBB	\$101,744,33 \$100,000_00						0				
57		Approved by General Manager			1,	\$98,886.90	\$15,810,392.77	\$15,909,279.67	9.73%	\$179,375,219.67	0	368	368	1,646	10/31/201
	57,1	Additional Support at Digester Control Building (CR-342) PR 04286 Task 5.29	С	IRWD	\$2,522.47						0				
		Pipe and Duct Hanger Modifications (CR-362) PR 04286 Task 5 29 Increase Wire Size of Main Breaker PP-3501 (CR-418) PR 04286 Task 5,30	C	IRWD FBB	\$4,083.12 \$696,66						0				
		Roof Vent at DCB Elevator/Stair Tower (CR-437) PR 04286 Task 5.29 5 T-14 Fixed Type Manual Operator per Submittal 16443-0016A (CR-540) PR 04286 Task 5.31	B C	IRWD IRWD	\$8,563.72 \$1,945.62						0				
	57.6	5 Area Classification at Methane Digesters to meet NFPA Table 6,2(a) - Plug Valves Limit Switches (CR-557) PR 04286 Task 5,30	С	FBB	\$64,195,15						0				
	57.	7 Area Classification at Methane Digesters to meet NFPA Table 6.2(a) - Sump Pump Cable Retrofit PR 04286 Task 5.30	С	FBB	\$16,880.16						0				

A - District Convenience/Initiation - Project Related
B - Differing Site Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Requested Inspection Overtime

						Contract An						act Days		Original Completion Date:
							Original Contra		\$163,465,940.00		Ong	inal Days:	1,278	10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
58	Approved by Board of Directors				\$182,938.94	\$15,909,279.67	\$16,092,218,61	9.84%	\$179,558,158.61	0	368	368	1,646	10/31/2017
	Approval on August 28, 2017													
58,	Concrete Cap over Shallow Pipe Crossings (CR-348) PR 04286 Task 5.31	В	FBB	\$7,923.00						0				
58,:	Additional Conduit and Wiring for Sludge Screen Moisture Sensors (CR-381) PR 04286 Task 5,30	С	FBB	\$8,355.32						0				
58.	3 SCADA Programming Modifications (CR-433/476/546/547/551) PR 04286 Task 5.30	A	IRWD	\$15,758.38						0				
58.	Polymer Storage Power Panels Wire and Breaker Modifications (CR-456) PR 04286 Task 5,30	С	FBB	\$24,238.65						0				
58.	Odor Control Starter Modifications (CR-466) PR 04286 Task 5.30	В	FBB	\$41,436.09	l)					0		l .		
58,	6 Odor Control Fan Remote Temperature Device Revisions (CR-522) PR 04286 Task 5,30	A	IRWD	\$52,484.50						0				
58.	7 Re-location of Digester Control Building Gas Room Local Control Panels (CR- 534) PR 04286 Task 5 30	A	FBB	\$32,743.00						0				
59	Approved by Exe. Director of Water Quality and Engineering				\$98,988.68	\$16,092,218.61	\$16,191,207.29	9,90%	\$179,657,147.29	9 0	368	368	1,646	10/31/2017
	Approval on September 6, 2017	l	1 0											
59.	Modifications to Building 101 (CR-212) PR 04286 Task 5.30	E	FBB	\$26,500.00										
59.	Change in Conduit Size in Area 20 (CR-292) PR 04286 Task 5.10	C	FBB	\$1,946.70			1			0	1.5		1	1
59.	Centrifuge Discharge Cake Conveyors Schematic Modifications (CR-422) PR 04286 Task 5.10	С	FBB	\$6,410.04						0				
59.	4 Power Monitor Programming Modifications (CR-539) PR 04286 Task 5.10	A	IRWD	\$2,595,60			1			0				
59.	5 SCADA Programming Modifications (CR-547A) PR 04286 Task 5.10	A	IRWD	\$1,574.86			1			0				
59	6 Change in Area Classification at Methane Digesters to meet NFPA Standards - MOVs (CR-557B) PR 04286 Task 5.10	С	FBB	\$54,736.73						0				
59.	FOG Heating Disconnect Switch Relocation (CR-559) PR 04286 Task 5.10	C	FBB	\$5,224.75						0				
60	Approved by Exe. Director of Water Quality and Engineering				(\$34,540.00)	\$16,191,207,29	\$16,156,667,29	9,88%	\$179,622,607,25	9 0	368	368	1,646	10/31/2017
	Approval on September 5, 2017	1	l								1			
60.	1 Credit for Overtime Inspection Hours From 4/1/2017 Through 6/30/2017 (CR-089E) PR 04286 Task 4.0	F	FBB	(\$34,540.00)						0				

A. - Distrier Convenience/Initiation - Project Related
 B. - Differing Site Conditions
 C. - Design Oversigh
 D. - Distrier Convenience/Initiation - Non-Project Robited
 E. - Coultractor Convenience/Initiation
 F. - Contractor Convenience/Initiation
 F. - Contractor Convenience/Initiation

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								Original Contra		\$163,465,940,00		Orig	inal Days:	1,278	10/28/2016
Chang	ge Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
61	61.1	Approved by Exe, Director of Water Quality and Engineering Approved on September 6, 2017 Credit for Bulk Polymer Storage Changes per RFI-0863 and Submittal 15140- 013B (CR-168) PR 04286 Task 5.16	E	FBB	(\$1,752.39)	(\$1,752 39)	\$16,156,667.29	\$16,154,914.90	9,88%	\$179,620,854,90	0	368	368	_	10/31/2017
62		Approved by Board of Directors				\$708,162.72	\$16,154,914,90	\$16,863,077.62	10.32%	\$180,329,017.62	0	368	368	1,646	10/31/2017
		Approved on October 9, 2017								,,	1 '			1,010	10/3//25(/
	62.1	Fats, Oil, and Grease (FOG) Modifications (CR-223A) PR 04286 Task 5.30	A	IRWD	\$52,174.90										
	62 2	Density Meter Conduit and Cabling Modifications (CR-326) PR 04286 Task 5.30	A	IRWD	\$52,518.11						0				
- 1		Fiber Optic Modifications (CR-356) PR 04286 Task 5,30	A	IRWD	\$20,607.14						0				
		Sludge Screen Pneumatic Control Panel Conduit and Cabling (CR-380) PR 04286 Task 5.30	С	IRWD	\$8,859.95						0				
		Additional Circuits for Control of the Thickening Centrifuges (CR-386) PR 04286 Task 5.30	С	FBB	\$376,674 <u>.</u> 08						0				
	62.6	Upsize of Power Panel PP-8001 Circuit Breaker (CR-414) PR 04286 Task 5,30	A	IRWD	\$50,135.26										
- 1	62.7	Electrical Power Feeders to Electric Water Heater (CR-426) PR 04286 Task 5.30	В	FBB	\$16,551.27										
	62,8	Chemical Sump Pump Control Panel Space Heater Wiring Modifications (CR-461) PR 04286 Task 5.30	"A	IRWD	\$12,822,26						0				
	62,9	Relocate Electrical Feeders to Generator Bus (CR-462) PR 04286 Task 5.30	A	IRWD	\$22,785.74)					0				
	62.10	Electrical and Instrumentation Related Components for the Installation of Thin Client at Dryer Facility (CR-485A) PR 04286 Task 5,30	A	IRWD	\$49,908,43			-							
	62,11	Polymer Room Eye Wash Station Flow Switches (CR-535) PR 04286 Task 5.30	A	IRWD	\$24,567.89						0				
		Chemical Storage and Feed Modifications (CR-563) PR 04286 Task 5.30	A	IRWD	\$13,055.18	}					0				
	62.13	PLC Redundancy Hot Standby Status Register (CR-568) PR 04286 Task 5,30	A	IRWD	\$7,502.51										

A - District Convenience/Initiation - Project Related
B - Differing Site Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Requested Inspection Overtime

						Солигаст Али			P1/2 4/5 040 00			act Days		Original Completion Date: 10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Original Contra Cumulative Total of Change Orders	% of Original Contract Amount	\$163,465,940.00 Revised Contract Amount	Change Order Days	Previous Change		Revised Total Contract Days	Revised Completion Date
63. 63.	Approved by General Manager Approved on October 2, 2017 I Electrical Modifications to RIO-2001 (CR-269) PR 04286 Task 5.30 Modifications to RIO-4002 (CR-285) PR 04286 Task 5.30 Cap for 12-Inch Storm Drain (CR-351) PR 04286 Task 5.16 Access Hatch for Regenerative Thermal Oxidizer Pipe Chase (CR-473) PR 04286 Task 5.31	С С В С	IRWD FBB FBB FBB	\$30,563_48 \$14,563.39 \$2,394.54 \$3,958,91	\$91,766.09	\$16,863,077.62	\$16,954,843,71	10.37%	\$180,420,783,71	0 0	368	368	1,646	10/31/201
63	5 Electrical Upgrades to RIO-4002 (CR-447) PR 04286 Task 5.30	A	FBB	\$40,285.77						0				
64	Approved by Board of Directors Approved on October 23, 2017 Modifications to Centrate Treatment Facility Stairs (CR-379) PR 04286 Task 5.29 Modifications to Ductwork in Solids Handling Building (CR-401) PR 04286 Task 5.31 Blectrical Conduits and Wires for Additional Bridge Breakers for Cake Receiving Pumps (CR-416) PR 04286 Task 5.30	ВСВ	FBB FBB	\$9,758.16 \$9,537.05 \$21,678.83	\$231,100 22	\$16,954,843,71	\$17,185,943.93	10.51%	\$180,651,883.93	0	368	368	1,646	10/31/201
64	4.4 Handrail Modifications at the Methane Digesters (CR-472) PR 04286 Task 5.29 5.5 Electrical and Instrumentation Related Components for the Installation of Thin Client at Dryer Facility (CR-485B) PR 04286 Task 5.30 6.6 Electrical Modifications at the Motor Control Centers for the Acid Phase Sludge Heating Recirculation Pumps (CR-517) PR 04286 Task 5.30	A	FBB IRWD IRWD	\$22,154.53 \$53,090.84 \$47,611.11						0				
64	 1.7 FOG Receiving Pumps Thermocouple and Thermostat Wiring (CR-525) PR 04286 Task 5.30 1.8 SCADA Programming Changes (CR-537/570/573/573A) PR 04286 Task 5.30 1.9 Change of Limit Switches for Buried Service (CR-560) PR 04286 Task 5.30 	C A C	FBB IRWD FBB	\$37,826.58 \$23,694.13 \$5,748.99						0				

A - District Convenience/Initiation - Project Related
B - Differing State Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Requienced Inspection Overtime

Contractor: Filanc/Balfour-Beatty Design Engineer: Black & Veatch

						Contract Am	nount				Contr	act Days		Original Completion Date:
_							Original Contra	act Amount:	\$163,465,940,00		Orig	inal Days:	1,278	10/28/2010
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C,O, days	Revised Total Contract Days	Revised Completion Date
65	Approved by Board of Directors				\$149,591,14	\$17,185,943.93	\$17,335,535,07	10.60%	\$180,801,475,07	0	368	368	1,646	10/31/201
65	Approved on October 23, 2017 1 Additional Conduits and Wires for the Engine Generator, Switchgear-16, and Switchgear-16 Programmable Logic Controller (CR-204) PR 04286 Task 5.30	С	FBB	\$100,000.00						0				
65	Modifications to Spirac Conveyor in the Solids Handling Building (CR-409) PR 04286 Task 5,31	В	FBB	\$13,641.00						0		-		
65	3 Additional Metal Bridge Walkway Structural Support Angles (CR-420) PR 04286 Task 5,29	В	FBB	\$35,950.14		r e			<u></u>	0				
66	Approved by General Manager				\$98,201,20	\$17,335,535.07	\$17,433,736,27	10,67%	\$180,899,676 27	0	368	368	1,646	10/31/2017
66	Approved on November 30, 2017 SCADA Programming Modifications and Updates (CR-247A/CR-469/CR-485C/CR-571/CR-575A/CR-579/CR-580/CR-585) PR 04286 Task 5.30	A	IRWD	\$61,734.78						0				
66	2 Installation of Sump Pump Floats (CR-452) PR 04286 Task 5.31	A.	IRWD	\$17,228,56						0				
66	³ Electrical Work Associated with Air Handling/Heating Units, Recycle Bin Feed Conveyor, and Recycle Bucket Elevator in the Solids Handling Building (CR- 457/CR-529) PR 04286 Task 5.30	В	IRWD	\$11,003.85						0				
66	Additional Wires and Conduits for FOG Receiving Valves (CR-565) PR 04286 Task 5.30	В	FBB	\$6,368,21						0				
66	.5 Additional Door Cover Plates for MCC-4100 and MCC-4101	В	IRWD	\$1,865.80						О				
67	Approved by Exe. Dir of Engineering and Water Quality				(\$53,626.83)	\$17,433,736.27	\$17,380,109,44	10,63%	\$180,846,049.44	0	368	368	1,646	10/31/2017
67	Approved on November 30, 2017 Credit for Overtime Inspection Hours from 07/1/2017 to 09/30/2017 (CR-089F) PR 04286 Task 4.0	F	FBB	(\$19,140.00)						0				
67	2 Credit for Additional Conduits and Wires for the Engine Generator, Switchgear- 16, and Switchgear-16 Programmable Logic Controller (CR-204A) PR 04286 Task 5.30	Е	FBB	(\$13,591.83)						0				
67	3 Deletion of Pavement Prime Coat (CR-331D) PR 04286 Task 5 29	A	IRWD	(\$20,895.00)						0	1			

A - District Convenience/Initiation - Project Related
 B. Differing Site Conditions
 C - Design Oversight
 District Convenience/Initiation - Non-Project Related
 E - Contractor Convenience/Initiation
 F - Contractor Convenience/Initiation
 F - Contractor Requested Inspection Overtime

							Contract An	пошт				Contr	act Days		Original Completion Date:
								Original Contra	ect Amount:	\$163,465,940.00		Orig	inal Days.	1,278	10/28/2016
Chan	nge Orde r	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders		Revised Total Contract Days	Revised Completion Date
68		Approved by Board of Directors				\$569,553,19	\$17,380,109,44	\$17,949,662.63	10,98%	\$181,415,602.63	0	368	368	1,646	10/31/2017
		Approved on December 11, 2017													
	68.1	Fats, Oil, and Grease (FOG) Modifications (CR-223) PR 04286 Task 5.30	A	IRWD	\$83,648.47						o				
	68.2	Additional Electrical Outlets and Circuits in the Solids Handling Building (CR- 453) PR 04286 Task 5.30	A	IRWD	\$44,054.83						0				
	68,3	Control Panel Modifications in the Methane Digester Complex (CR-545) PR 04286 Task 5.30	С	IRWD	\$55,414.03						0				
	68.4	Additional Electrical, Instrumentation, and Controls for the Heat Dryer System (CR-270 and CR-471A through CR-471G, CR-496, and CR-555) PR 04286 Task 5.30	В	FBB	\$386,435.86						0				
69		Approved by General Manager				\$90,846,69	\$17,949,662.63	\$18,040,509.32	11.04%	\$181,506,449.32	0	368	368	1,646	10/31/2017
		Approved on December 20, 2017				, , , , , , , , , , , , , , , , , , ,									
	69.1	Power Supply Failure Alarms for Acid Gas Boosters (CR-477) PR 04286 Task	A	IRWD	\$10,965.90						o		l		
	69.2	Addition of Waste Gas Burner Instrument Air Compressor System (Electrical) (CR-484A) PR 04286 Task 5.30	С	IRWD	\$8,046,52						0				
	69,3	Circuit Breaker for MOC-2034 (CR-541) PR 04286 Task 5,30	В	IRWD	\$2,389,56						0		l		
	69.4	Change in Limit Switches Located in the Methane Digester Complex Due Electrical Classification Change (CR-557D) PR 04286 Task 5.30	С	IRWD	\$37,744.12						0				
		Change in Limit Switches Located in the Methane Digester Complex Due Electrical Classification Change (CR-582) PR 04286 Task 5.30	С	IRWD	\$16,228,03						0				
		SCADA Programming Changes – Totalizers (CR-590) PR 04286 Task 5,30	A	IRWD	\$7,830.90						ř				
	69,7	Control Panel Modifications in the Methane Digester Complex (CR-592) PR 04286 Task 5,30	A	IRWD	\$7,641.66						0				

A - District Convenience/Initiation - Project Related
8 - Differing Site Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Control Convenience/Initiation
F - Control Requested Impaction Overtime

						Contract Am				act Days		Original Completion Date:		
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount		Original Courts Cumulative Total of Change Orders	% of Original Contract	\$163,465,940.00 Revised Contract Amount		Previous Change	Cum. Total C.O. days	1,278 Revised Total Contract	Revised Completion Date
70.2 70.2	Approved by Exe, Dir of Engineering and Water Quality Approved on January 23, 2018 Addition of Limit Switches on Gas Dryer Heat Exchanger (CR-303) PR 04286 Task 5,30 Change of Electrical Classification of Valve Limit Switches at Acid Phase Digester Complex (CR-415) PR 04286 Task 5,30 Power Source to the Solids Handling Building Bridge Cranes (CR-574) PR 04286 Task 5,30 Investigation of Street Lights, South side of Biosolids Site (CR-613) PR 04286 Task 5,30 Additional Switches in the Solids Handling Building (CR-625) PR 04286 Task	A C C A	IRWD IRWD IRWD IRWD	\$17,367.32 \$24,018.04 \$27,479.58 \$1,204.20 \$3,903.63	\$73,972,77	\$18,040,509.32	\$18,114,482,09	Amount 11,08%	\$181,580,422,09	0	368		Days 1,646	10/31/2017
71	Approved by Exe, Dir of Engineering and Water Quality Approved on January 31, 2018 Credit for Overtime Inspection Hours from 10/1/2017 to 12/31/2017 (CR-089G) PR 04286 Task 4.0	F	IRWD	(\$12,210.00)	(\$12,210,00)	\$18,114,482.09	\$18,102,272.09	11.07%	\$181,568,212.09	0	368	368	1,646	10/31/2017
72 72.	Approved by General Manager Approved on January 25, 2018 Installation of Breakers for Power Panel PP-8001 (CR-414A) PR 04286 Task 5.30	A	IRWD	\$25,256 29	\$25,256 29	\$18,102,272.09	\$18,127,52838	11.09%	\$181,593,468.38	0	368	368	1,646	10/31/2017
73 73.	Approved by Board of Directors Approved on March 12, 2018 Additional Circuits for Control of the Dewatering Centrifuges (CR-386B) PR 04286 Task 5.30	В	FBB	\$150,755.29	\$150,755.29	\$18,127,528 38	\$18,278,283.67	11,18%	\$181,744,223.67	0	368	368	1,646	10/31/2017

A - District Convenience/Initiation - Project Related B - Differing Site Conditions C - Design Oversight D - District Convenience/Initiation - Non-Project Related E - Contractor Convenience/Initiation F - Contractor Requested Impection Overtime

Contractor: Filanc/Balfour-Beatty Design Engineer: Black & Veatch

						Contract An	nount				Contr	act Days		Original Completion Date:
							Original Contra	ect Amount:	\$163,465,940.00		Orig	inal Days:	1,278	10/28/2016
Change O	der Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount		Cumulative Total of Change Orders		Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C O days	Revised Total Contract Days	Completion
74	Approved by General Manager				\$99,467.47	\$18,278,283.67	\$18,377,751,14	11,24%	\$181,843,691,14	0	368	368	1,646	10/31/201
	Approved on February 22, 2018													
	74.1 Access Platform to Heat Dryer Acid Scrubber (CR-485D) PR 04286 Task 5.30	A	IRWD	\$14,637.02						0	1	1		
	74.2 Modifications to the FRP Ducting in the Solids Handling Building (CR-491) PR 04286 Task 5.31	A	IRWD	\$20,171.39						0				
	74.3 Power to Air Compressors and Pre-Action Panels of the Fire Sprinkler System (CR-526) PR 04286 Task 5.30	В	IRWD	\$24,442.16						0				
	74.4 Electrical and Instrumentation Revisions to the FOG System (CR-578) PR 04286 Task 5,30	A	IRWD	\$13,035.52						0				
	74.5 Addition of Centrate Air Purge System (CR-581) PR 04286 Task 5.30	A	IRWD	\$17,777.95						0				1
	74.6 Addition of Flame Checks on Foam Separator Digested Shidge Line (CR-587) PR 04286 Task 5.3	A	IRWD	\$3,038,27						0				
	74.7 Modifications to 10-Ton Crane Stops (CR-589) PR 04286 Task 5.31	С	FBB	\$6,365.16						0				

A - Dristrict Convenience/Initiation - Project Ralated
B - Driffering Site Conditions
C - Design Oversight
D - Dristrict Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Convenience/Initiation
C - Contractor Convenience/Initiation

							Contract An	nount				Contr	act Days		Original Completion Date:
								Original Contra	ect Amount:	\$163,465,940.00		Orig	inal Days:	1,278	10/28/2016
Change	e Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
75		Approved by General Manager				\$98,698.78	\$18,377,751.14	\$18,476,449.92	11,30%	\$181,942,389,92	0	368	368	1,646	10/31/2017
	75,1	Approved on March 2, 2018 Electrical Modifications to the Acid Phase Digester and Methane Phase Digester System (CR-252C) PR 04286 Task 5,30	A	IRWD	\$31,492.38						Ď				
	75.2	Modifications to the Odor Control Panels (CR-382) PR 04286 Task 5.30	A	IRWD	\$12,726.70						0				
	75.3	Additional Lock-Out Switch for the Bridge Breaker (CR-384A) PR 04286 Task 5.30	В	IRWD	\$14,276.72						0				
	75.4	Additional On/Off Switch for Duct Fans (CR-384B) PR 04286 Task 5,30	A	IRWD	\$12,100.47						0				
	75.5	Aeration Blower MCC Modifications (CR-481) PR 04286 Task 5,30	С	IRWD	\$14,441.86					I	0				
	75.6	Addition of Level Switches and Solenoid Valves for Gas/Foam Separator Tanks (CR-566) PR 04286 Task 5 30	В	IRWD	\$7,568.99						0				
	75.7	SCADA Template Update (CR-622) PR 04286 Task 5.30	A	IRWD	\$2,775,05						0		1		
		Additional Lights in the Shower Stalls of the Solids Handling Building (CR-628) PR 04286 Task 5.30	С	FBB	\$1,639.80						0				
	75.9	Relocation of Flow Switch in Sample Analysis Room (CR-637) PR 04286 Task 5.30	A	IRWD	\$1,676.81						0				
76		Approved by Board of Directors				\$150,690 04	\$18,476,449,92	\$18,627,139,96	11,40%	\$182,093,079.96	0	368	368	1,646	10/31/2017
		Approved on March 26, 2018	l	1											
1	76.1	Power Feed to Micronarbine CLCs (CR-289) PR 04286 Task 5.30	В	FBB	\$49,534,35						0				
	76.2	Upsizing of Electrical Cables related to the Heat Drying System (CR-510) PR 04286 Task 5.30	В	FBB	\$4,670,94						0				
	76.3	Additional Cables to MCC-1 (CR-538) PR 04286 Task 5,30	В	FBB	\$5,679.24						0				
		Electrical Code Area Classification Change in the Digester Control Building Gas Room (CR-582A) PR 04286 Task 5,30	С	1RWD	\$8,804.31						0				
	76.5	Addition of Water Source for the Foam Separator (CR-583) PR 04286 Task 5.31	С	FBB	\$8,418,23						0				
	76,6	SCADA Modifications on Solids Handling Polymer System (CR-620) PR 04286 Task 5.30	A	IRWD	\$7,761.00						0				
	76.7	3-Way Valve Graphical Modifications to SCADA (CR-621) PR 04286 Task 5.30	A	IRWD	\$22,540.18						0				
1	76.8	SCADA Modifications on FOG System (CR-623) PR 04286 Task 5 30	A	IRWD	\$7,970.58	l					0				
		SCADA Modifications on the Digested Tank Level (CR-626) PR 04286 Task 5.30	A	IRWD	\$8,898,86										
	76.10	Solids Handling Building Stair Modifications (CR-634) PR 04286 Task 5.29	l c	FBB	\$26,412,35	l		1			0				

A - District Convenience/Initiation - Project Related
3 - Differing Site Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Ralated
E - Contractor Convenience/Initiation
F - Contractor Requested Inspection Overtime

				Contract Amount Original Contract Amount: \$163,465,940.00						Contract Days Original Days: 1,278				Original Completion Date:
							Unginal Contra	% of	\$163,465,940.00		One	inal Days:	Revised	10/28/2016
Change Order	Description		(RWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	Original Contract Amount	Revised Contract Amount		Previous Change Orders	Cum. Total C.O. days	Total Contract Days	Revised Completion Date
77	Pending Approval by General Manager				\$94,371,12	\$18,627,139.96	\$18,721,511.08	11.45%	\$182,187,451,08	0	368	368	1,646	10/31/2017
77	Pending Approval on April 10, 2018 Modifications of Notching Shear Lugs - Solids Handling Building (CR-299A) PR 04286 Task 5 29	С	FBB	\$1,269.23						0				
77	2 Cake Storage Hopper Conveyor SCADA Control Changes (CR-384) PR 04286 Task 5.30	A	IRWD	\$30,869.71						0				
75	.3 Electrical Testing for Manual Transfer Switchgear SWGR-14 (CR-474A) PR 04286 Task 5.30	С	FBB	\$5,891,73						0				
77	Additional HVAC Fan Coil Power Circuits (CR-474A) PR 04286 Task 5.30	В	FBB	\$16,053,47						0				1 1
	.5 Modifications to Digester Control Building Roof Guardrail and Bridge Steps (CR-617) PR 04286 Task 5.29	В	IRWD	\$10,147_48						0				
77	6.6 Electrical Modifications to the Condensing Unit and Heat Pumps in the Solids Handling Building (CR-635) PR 04286 Task 5.30	A	FBB	\$9,551.13						0				
77	7 SCADA Control Logic Change in the Acid Phase Digester Area (CR-668) PR 04286 Task 5.30	A	IRWD	\$9,741 22						0				
7.	.8 SCADA Control Logic Change in the Polymer Thickening Tank Area (CR-669) PR 04286 Task 5.30	A	IRWD	\$8,144.54										
7.	.9 SCADA Control Logic Change in the Polymer Thickening Tank Area (CR-669) PR 04286 Task 5.30	A	IRWD	\$2,702.61						0				
78	Pending Approval by Board of Directors				\$344,006 55	\$18,721,511,08	\$19,065,517.63	11,66%	\$182,531,457.63	0	368	368	1,646	10/31/2017
78	Pending Approval on April 26, 2018 1 Operator Interface Terminal (OIT) Indusoft Licensing Cost (CR-244) PR 04286 Task 5.30	A	IRWD	\$4,618.13										
78	.2 Retaining Wall Modifications at Solids Handling Building (CR-331E) PR 04286 Task 5.29	С	IRWD	\$26,508,00						0				
75	.3 Andritz Air Compressor Equipment Pad Modifications (CR-550) PR 04286 Task 5.31	С	FBB	\$6,729.00						0				
1 1	.4 Waste Activated Sludge (WAS), Digested Sludge (DS), and Primary Sludge (PS) Piping Modifications (CR-594) PR 04286 Task 5.31	A	IRWD	\$28,967.68						0				
7:	Modifications to MWRP Biosolids Hardscape (CR-331K) PR 04286 Task 5.29	A	IRWD	\$277,183.74						0				

A - District Convenience/Initiation - Project Related
B - Differing Site Conditions
C - Design Oversight
D - District Convenience/Initiation - Non-Project Related
E - Contractor Convenience/Initiation
F - Contractor Requested Inspection Overtime

Filanc/Balfour-Beatty Design Engineer: Black & Veatch

						Contract Arr	nount
							O
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cum of Ch
Category				Total Amount	% of Original Contract		
A - District Convenience/Ini B - Differing Site Condition	•			\$ 3,327,154.54 \$ 12,570,797.75	2.04% 7,69%		
	tiation - Non-Project Related			\$ 3,331,282.80	2.04% 0.00%		
E - Contractor Convenience F - Contractor Requested In:	spection Overtime			\$ 98,302.54 \$ (262,020.00)			
TOTAL (A + B + C + D + I	+ F)			\$ 19.065.517.63	11 66%	1	

Category	Total Amount	% of Original Contract
IRWD-Initiation/Driven	\$ 4,361,081.75	2,67%
FBB-Initiation/Driven	\$ 14,533,715.66	8.89%
N/A	\$ 170,720.22	0.10%
TOTAL	\$ 19,065,517.63	11.66%

Original

Completion Date:

10/28/2016

Revised

Completion

Date

1,278

Revised

Total

Contract

Days

Contract Days

Orders C.O. days

Change Previous

Order | Change

Days

Original Days:

Cum.

Total

Original Contract Amount: \$163,465,940,00

Revised Contract

Amount

% of

Original

Contract

Amount

Cumulative Total

of Change Orders

A - District Convensione/Initiation - Project Related
B - Differing Size Conditions
C - Design Oversight
D - District Convensione/Initiation - Non-Project Related
E - Convence Convensione/Initiation
F - Contractor Convensione/Initiation
F - Contractor Requested Inspection Overtime

April 23, 2018 Prepared and

submitted by: C. Compton

Approved by: Paul A. Cook

ACTION CALENDAR

AB 2241 (RUBIO): THE OPEN AND TRANSPARENT WATER DATA ACT

SUMMARY:

Staff regularly provides the Board with an update on the 2018 legislative session and IRWD's legislative and regulatory priorities. As legislation and regulations develop, staff provides updates and recommendations to the Water Resources Policy and Communications Committee and the Board, as appropriate.

AB 2241 has been authored by Assemblymember Blanca Rubio (D-West Covina). The bill would amend the Open and Transparent Water Data Act, to require the Department of Water Resources, the State Water Resources Control Board, and the Department of Fish and Wildlife to "work to improve the open and transparent access to data by reducing the fractured or duplicative reporting of the same or similar data to multiple governmental agencies or departments, and by reducing the reporting burden on entities providing data to governmental agencies."

Staff recommends that the Board consider adopting a "SUPPORT" position on AS 2241 (Rubio, D-West Covina): The Open and Transparent Water Data Act.

BACKGROUND:

In 2016, then Assemblymember Bill Dodd (D-Napa) authored AB 1755. AB 1755 enacted the Open and Transparent Water Data Act. The Act requires the Department of Water Resources (DWR), the State Water Resources Control Board (State Board), and the Department of Fish and Wildlife (DFW) to coordinate and integrate existing water and ecological data from local, state, and federal agencies. Additionally, the Act requires DWR, the State Board and DFW to develop protocols for data sharing, documentation, quality control, public access, and promotion of open-source platforms and decision support tools related to water data.

In January 2018, DWR released the "Progress Report Implementing the Open and Transparent Water Data Act with Initial Draft Strategic Plan and Preliminary Protocols" (Progress Report). The Progress Report outlines the strategy and preliminary protocols for implementing the Open and Transparent Water Data Act. One of the aspects noticeably missing from the Progress Report was how the implementation of the Open and Transparent Water Data Act would reduce fracture and duplicative reporting of data and reduce the reporting burden of entities that provide data to the state. The Progress Report can be read at: https://www.water.ca.gov/LegacyFiles/ab1755/docs/AB1755 InitialProgressReport Jan2018.pdf.

In its comments on the Progress Report, IRWD commented that DWR, the State Board and DFW should reduce fracture and duplicative reporting of data and reduce the reporting burden of entities that provide data to the state.

Action Calendar: AB 2241 (Rubio): The Open and Transparent Water Data Act

April 23, 2018

Page 2

AB 2241, authored by Assemblymember Blanca Rubio (D-West Covina), would amend the Open and Transparent Water Data Act. Specially, the bill would require DWR, the State Board and DFW to "work to improve the open and transparent access to data by reducing the fractured or duplicative reporting of the same or similar data to multiple governmental agencies or departments, and by reducing the reporting burden on entities providing data to governmental agencies". A copy of AB 2241 is attached as Exhibit "A".

Given IRWD's past statements on the implementation of AB 1755, the Progress Report and the need to reduce duplicative reporting, staff recommends that the Board adopt a "support" positions on AB 2241. AB 2241 is scheduled to be heard by the Assembly Water, Parks and Wildlife Committee on April 24, 2018. If the Board adopts a "support" position on the bill, IRWD will send a letter of support to the author and will indicate its support for the bill at the hearing.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Due to timing, this item was not reviewed by the Water Resources Policy and Communications Committee.

RECOMMENDATION:

THAT THE BOARD ADOPT A "SUPPORT" POSITION ON AB 2241 (RUBIO, D-WEST COVINA).

LIST OF EXHIBITS:

Exhibit "A" – Text of AB 2241

EXHIBIT "A"

AMENDED IN ASSEMBLY MARCH 15, 2018

CALIFORNIA LEGISLATURE—2017–18 REGULAR SESSION

ASSEMBLY BILL

No. 2241

Introduced by Assembly Member Rubio

February 13, 2018

An act to amend Section 10608 of add Section 12407 to the Water Code, relating to water.

LEGISLATIVE COUNSEL'S DIGEST

AB 2241, as amended, Rubio. Sustainable water use and demand reduction: legislative findings and declarations. The Open and Transparent Water Data Act.

Existing law, the Open and Transparent Water Data Act, requires the Department of Water Resources, the State Water Resources Control Board, and the Department of Fish and Wildlife to coordinate and integrate existing water and ecological data from local, state, and federal agencies.

This bill would require the Department of Water Resources, the board, and the Department of Fish and Wildlife to work to improve the open and transparent access to data by reducing the fractured or duplicative reporting of the same or similar data to multiple governmental agencies or departments, and by reducing the reporting burden on entities providing data to governmental agencies.

Existing law requires the State Water Resources Board to implement and administer various water conservation and demand reduction programs in the state. Existing law makes legislative findings and declarations regarding the need to reduce urban water use statewide by 20% and to effectively measure a water supplier's efforts to reduce urban water use in its service area.

AB 2241 — 2 —

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This bill would make nonsubstantive changes in those legislative findings and declarations.

Vote: majority. Appropriation: no. Fiscal committee: no-yes. State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. Section 12407 is added to the Water Code, to 2 read:

12407. The department, the state board, and the Department of Fish and Wildlife shall work to improve the open and transparent access to data by reducing the fractured or duplicative reporting of the same or similar data to multiple governmental agencies or departments, and by reducing the reporting burden on entities providing data to governmental agencies.

SECTION 1. Section 10608 of the Water Code is amended to read:

10608. The Legislature finds and declares all of the following:

- (a) Water is a public resource that the California Constitution
 protects against waste and unreasonable use.
 (b) Growing population, climate change, and the need to protect
 - (b) Growing population, climate change, and the need to protect and grow California's economy while protecting and restoring our fish and wildlife habitats make it essential that the state manage its water resources as efficiently as possible.
 - (e) Diverse regional water supply portfolios will increase water supply reliability and reduce dependence on the Delta.
- 20 (d) Reduced water use through conservation provides significant
 21 energy and environmental benefits, and can help protect water
 22 quality, improve streamflows, and reduce greenhouse gas
 23 emissions.
 - (e) The success of state and local water conservation programs to increase efficiency of water use is best determined on the basis of measurable outcomes related to water use or efficiency.
- (f) Improvements in technology and management practices offer the potential for increasing water efficiency in California over time, providing an essential water management tool to meet the need for water for urban, agricultural, and environmental uses.
- (g) The Governor has called for a 20 percent per capita reduction
 in urban water use statewide by 2020.

(h) The factors used to formulate water use efficiency targets ean vary significantly from location to location based on factors including weather, patterns of urban and suburban development, and past efforts to enhance water use efficiency.

(i) Per capita water use is a valid measure of a water supplier's efforts to reduce urban water use within its service area. However, per capita water use is less useful for measuring relative water use efficiency between different water suppliers. Differences in weather, historical patterns of urban and suburban development, and density of housing in a particular location need to be considered when assessing per capita water use as a measure of

12 efficiency.

O

April 23, 2018

Prepared by: J. Zepeda

Submitted by: J. Zepeda / P. Weghorst

Approved by: Paul A. Cook

ACTION CALENDAR

AMENDMENTS TO ENERGY MANAGEMENT SERVICES AGREEMENTS

SUMMARY:

In August 2016, IRWD entered into two agreements related to the installation and operation of a portfolio of battery energy storage systems at IRWD sites. Through these agreements, Advanced Microgrid Systems (AMS) contracted 11 energy storage systems totaling 7 megawatts (MW), with a net cost savings to IRWD of \$381,000 per year. AMS is proposing to revise the agreements, consistent with the general terms and conditions related to project feasibility, allowing AMS to install nine energy storage systems (totaling 7.29 MW) with a net savings to IRWD of \$359,100. Staff recommends that the Board authorize the General Manager to:

- Execute an Amended and Restated Energy Management Services (DRES Portfolio B) Agreement with Hybrid-Electric Building Technologies West Los Angeles 1, LLC, and Hybrid-Electric Building Technologies West Los Angeles 2, LLC; and
- Execute an Amended and Restated Energy Management Services Amendment with Redwood Energy Storage, LLC subject to substantive revisions approved by the Committee.

BACKGROUND:

In August 2016, the Board authorized the General Manager to execute an agreement between IRWD and Hybrid-Electric Building Technologies Irvine 1, LLC, Hybrid-Electric Building Technologies West Los Angeles 1, LLC, and another agreement between IRWD and Redwood Energy Storage, LLC to provide energy management services related to battery based energy storage systems to be hosted at IRWD sites. Through these agreements, AMS contracted 11 energy storage systems totaling 7 MW with a total minimum guaranteed cost savings (MGCS) to IRWD of \$613,000 per year. The net costs savings to IRWD after paying service fees to AMS would be \$381,000.

AMS is now proposing revisions to the two executed agreements consistent with general terms and conditions related to project feasibility. The proposed amended and restated agreements are provided as Exhibits "A" and "B". These agreements are referred to below as the Demand Response Energy Storage (DRES) and Demand Management (DM) Agreements, respectively. Through these revised agreements, AMS would install nine energy storage systems instead of 11 totaling 7.29 MW with a total guaranteed savings and revenue to IRWD of \$629,000 per year. After payment of service fees to AMS, IRWD would net \$359,100.

Site-by-Site Analysis:

The DRES and DM Agreements executed in August 2016 include provisions for the addition and removal of individual sites from the energy storage project portfolios as additional engineering feasibility studies and financial analyses are completed during the project development process.

Action Calendar: Amendments to Energy Management Services Agreements

April 23, 2018

Page 2

AMS completed a site-by-site analysis to determine the appropriate battery sizes, installation feasibility, and best financial return to IRWD. As a result of this analysis, AMS is proposing to amend and restate the DRES and DM Agreements to reflect the removal and addition of sites consistent with the general terms and conditions of the agreements.

The general terms and conditions of the DRES and DM agreements define the circumstances under which sites may be removed from each portfolio. Consistent with these circumstances, AMS is requesting to remove three sites that were found to not be viable during the site-by-site analysis. The sites to be removed from the agreements are summarized below:

Site:	Reason for Change						
Dyer Road Well 10	Unable to obtain third party lease for land (DRES Agreement)						
Foothill Zone 6 Pump Station	Installation costs with step-up transformer outweigh the cost savings (DM Agreement)						
East Irvine Zone 1-3 Pump Station	Site cannot accommodate a battery system as there is no space near an electrical tie-in point (DM Agreement)						

AMS is also proposing to add the Baker Water Treatment Plant to the DRES Agreement portfolio and to transfer 2015 Self Generation Incentive Program funding from the non-viable sites to the Baker Plant. The Baker Water Treatment Plant site can accommodate a 1 MW battery system and provide additional savings to IRWD. Staff has worked with AMS to analyze the addition of the Baker Plant to the DRES project portfolio. Based on this analysis, staff supports amending the DRES Agreement to include this site.

Cost Savings and Revenue Sharing:

As a result of the proposed site revisions described above, the nine facilities at which IRWD will host energy storage systems will provide significant cost saving benefits by reducing both energy and demand charges on IRWD's electrical bills. These nine systems will also provide an opportunity to generate revenue through participation in programs such as the Automated Demand Response program. Following is an overview of the cost savings expected from the systems proposed in the amended and restated DRES and DM Agreements.

Demand Response Energy Storage Systems:

Six of the nine sites are referred to as DRES sites which will have battery storage systems with six-hour capacities – four hours dedicated to SCE's DRES needs and two hours dedicated to IRWD demand management. A complete list of the six DRES sites and associated system sizes is provided in Table 1 below. The Michelson Water Recycling Plant is covered under a separate DRES agreement. The five other sites would be covered under the amended and restated DRES Agreement. The MGCS for all six sites, guarantees a minimum gross annual savings of \$578,000 to IRWD resulting in a net minimum \$342,350 annual savings to IRWD after paying \$235,650 annually to AMS in the form of monthly service fees.

Action Calendar: Amendments to Energy Management Services Agreements

April 23, 2018

Page 3

Table 1 – DRES Site Specific Information

	Site	Energy Storage System Size (kW / kWh)
1	Michelson Water Recycling Plant (MWRP)	2,500 kW / 15,000 kWh
2.	Deep Aquifer Treatment System (DATS)	1,000 kW / 6,000 kWh
3.	Los Alisos Water Recycling Plant (LAWRP)	1,000 kW / 5,600 kWh
4.	Potable Treatment Plant (PTP)	500 kW / 2,000 kWh
5.	Wells 21/22 Desalter Facility	250 kW/ 1,100 kWh
6.	Baker Water Treatment Plant	1,000 kW / 6,000 kWh
	Total:	6,250 kW / 35,700 kWh

Demand Management Systems:

AMS assessed the financials for the remaining three-site DM portfolio, as identified in Table 2 below. These three sites will have battery storage systems, each with a two-hour capacity. The MGCS for the three sites guarantees a minimum gross annual saving of \$51,000 to IRWD resulting in net minimum \$16,750 annual savings to IRWD after paying \$34,250 to AMS in the form of monthly services fees. Significant revenue from participation in the Automated Demand Response program is expected to augment these savings.

Table 2 – Demand Management Site Specific Information

	Site	Energy Storage System Size (kW / kWh)
1.	Coastal Zone D Pump Station	500 kW / 1,000 kWh
2.	Coastal Zone 4 Pump Station	250 kW / 500 kWh
3.	Portola 3-5 & A-C Pump Station	250 kW / 500 kWh
	Total:	1,040 kW / 2,436 kWh

Conclusions:

Executing the amended and restated DRES and DM Agreements will allow the District to realize significant cost saving benefits with minimal capital outlay. The sustainable installations provided for in the agreements will enhance grid stability while contributing to greenhouse gas reduction and an improved carbon footprint. AMS bears all responsibility for project design, development (except for environmental studies and environmental commitments funded by IRWD), permitting, financing, maintenance, operations, and all legal and contractual obligations to SCE.

Staff recommends that the Board authorize the General Manager to execute the amended and restated DRES and DM Agreements subject to substantive revisions approved by the Committee. Legal counsel from Kronick, Moskovitz, Tiedemann and Girard has reviewed the proposed revisions and concurs with staff's recommendation.

Action Calendar: Amendments to Energy Management Services Agreements

April 23, 2018

Page 4

FISCAL IMPACTS:

On August 8, 2016 the Board authorized the addition of the Energy Storage Systems, Project 07444, in the amount of \$222,000 to the FY 2016-17 to cover IRWD's costs associated with the implementation of the energy storage projects described above. Staff has included an additional \$50,000 to the capital budget request for FY 2018-19 for Project 07444. Upon approval of the budget, there will be adequate funding available to cover costs associated with adding the Baker Plant to the DRES Agreement.

ENVIRONMENTAL COMPLIANCE:

The Board approved the Baker Water Treatment Plant Final Environmental Impact Report (EIR) on April 26, 2011. Addendum No. 3 to the Final EIR, which evaluated the environmental effects of installing on-site solar and energy storage facilities at the Baker Plant, was approved by the Board on March 12, 2018. A Notice of Determination was filed with the Orange County Clerk-Recorder and the State Clearinghouse on March 13, 2018. All other sites included in the DRES and DM Agreements are exempt from CEQA as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15301 and Section 15303. In August 2016, staff submitted Notices of Exemption for each of these other sites.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on April 17, 2017.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE AN AMENDED AND RESTATED ENERGY MANAGEMENT SERVICES (DRES PORTFOLIO B) AGREEMENT WITH HYBRID-ELECTRIC BUILDING TECHNOLOGIES WEST LOS ANGELES 1, LLC, AND HYBRID-ELECTRIC BUILDING TECHNOLOGIES WEST LOS ANGELES 2, LLC, AND AN AMENDED AND RESTATED ENERGY MANAGEMENT SERVICES AMENDMENT WITH REDWOOD ENERGY STORAGE, LLC SUBJECT TO SUBSTANTIVE REVISIONS APPROVED BY THE ENGINEERING AND OPERATIONS COMMITTEE.

LIST OF EXHIBITS:

- Exhibit "A" Amended and Restated Energy Management Services Agreement (DRES Portfolio B) with Hybrid-Electric Building Technologies West Los Angeles 1, LLC, and Hybrid-Electric Building Technologies West Los Angeles 2, LLC (DRES Agreement)
- Exhibit "B" Amended and Restated Energy Management Services Agreement with Redwood Energy Storage, LLC (DM Agreement)

A COPY OF EXHIBIT "A" CAN BE OBTAINED FROM THE DISTRICT SECRETARY

A COPY OF EXHIBIT "B" CAN BE OBTAINED FROM THE DISTRICT SECRETARY

April 23, 2018

Prepared by: R. Bennett / K. Welch Submitted by: F. Sanchez / P. Weghorst Approved by: Paul A. Cook

ACTION CALENDAR

SOUTHERN CALIFORNIA EDISON DIRECT ACCESS ELECTRIC SERVICE PROGRAM

SUMMARY:

The Southern California Edison (SCE) Direct Access Electric Service Program was established to allow non-residential customers to purchase electricity from a competitive Electric Service Provider (ESP) instead of SCE. Participation in the Direct Access Program would result in significant cost savings to IRWD in its annual purchases of electricity. In June 2017, IRWD provided notice to SCE of IRWD's desire to secure Direct Access service for select groups of electric service accounts. On April 17, 2018, SCE notified IRWD that it is offering IRWD the opportunity to participate in the Direct Access Program for up to 25 electric service accounts. Staff recommends that the Board concur with staff to accept the offer from SCE to transfer up to 25 electric service accounts to direct access service.

BACKGROUND:

SCE has implemented its Direct Access Program to provide an option for eligible non-residential customers to purchase electricity from an independent ESP. An ESP is responsible for generating or arranging for an adequate supply of electricity to meet its customer's needs. An entity can become an ESP with the approval of the California Public Utilities Commission (CPUC). SCE delivers the electricity that customers purchase from ESPs over SCE's transmission and distribution system. Exhibit "A" provides a graphical overview of how Direct Access energy supplies would be delivered to IRWD if it participates in the program.

Participation in SCE's Direct Access Program for the selected accounts would provide IRWD significant cost savings on its annual electricity purchases. As such, pursuing participation in Direct Access Program was included in IRWD's Target Activities for 2018. IRWD's actual savings, which are expected to average approximately 15% of SCE's billed energy use rate, will depend on ESP Direct Access energy rates, avoided SCE charges, and actual usage. Staff estimates the savings to be \$150,000 per year. Participation in Direct Access service would also provide a hedge against potential increases in electricity rates at SCE. IRWD's participation in the program would have no impact on the operational reliability of the District's facilities.

Offer to Participate in Direct Access Program:

Eligibility to participate is determined through a lottery-type selection process that is conducted annually. On June 16, 2017, IRWD provided SCE a six-month notice to transfer up to 68 electrical accounts to Direct Access which entered IRWD into the lottery process. The electrical accounts were broken into natural grouping such as potable wells, recycled water pumps, and non-potable water wells. On April 17, 2018, SCE notified IRWD that it was selected through the lottery process and SCE is offering IRWD the opportunity to participate in the Direct Access Program for up to 25 electric service accounts. The accounts that were selected by SCE are listed on Exhibits 'B" and "C". These exhibits include a list of 18 potable well accounts and six

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recycled water pumping station accounts. The Coastal D Pump Station account that is listed on Exhibit "C" is expected to be a site for the installation of a battery-based energy storage project. Accordingly, staff will request that this account to be excluded from the Direct Access Program.

Direct Access Participation Process:

Now that IRWD has received notice of its eligibility to participate in the Direct Access Program, IRWD has until May 8, 2018 to accept or reject SCE's offer of participation. If IRWD accepts, it will have 45 days to review proposals and select an ESP provider. The ESP will then contract with SCE to deliver electricity to IRWD. If IRWD cannot select an ESP provider within the 45-day window, the Direct Access application will be withdrawn and the selected accounts will be transferred to a higher-than-normal electrical rate for eight months and then revert back to the original rate.

Next Steps:

Staff will retain Aviva Energy Corporation to assist in the selection and evaluation of ESP providers. Aviva has provided this type of service for over a dozen clients and has been recommended by the Orange County Water District. In cooperation with Aviva, IRWD will request proposals and select an ESP provider. Selection criteria will include, but not be limited to, experience, financial standing, indicative pricing and contract terms. During the evaluation process, Aviva will assist IRWD with evaluating any risks and uncertainties related to participation in the program as well as preparing a financial analysis that can be used when evaluating ESP pricing. With the assistance of Aviva, a standard bid form will be developed for each qualified ESP to submit its best and final energy pricing.

The acceptance of SCE's offer for participation in the Direct Access Program, as well as the execution of an agreement with an ESP to provide electricity for the selected accounts, is within the existing authority of the General Manager. Participation in SCE's Direct Access Program is a unique opportunity and staff recommends that the Board concur with the General Manager to exercise his authority to implement participation in the program.

FISCAL IMPACTS:

Sufficient funds exist in the Fiscal year 2017-18 Capital Budget under Project 07153 to cover the costs associated with the assistance to be provided by consultants at Aviva, legal counsel services and staff time to select and negotiate a Direct Access agreement with an ESP.

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 15061 (b) (3). The activity is covered by the general rule that CEQA applies only to projects which have the potential for causing a significant effect on the environment. Where it can be seen with certainty that there is no possibility that the activity in question may have a significant effect on the environment, the activity is not subject to CEQA.

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COMMITTEE STATUS:

This item was last reviewed by the Engineering and Operations Committee on June 16, 2015.

RECOMMENDATION:

THAT THE BOARD CONCUR WITH STAFF TO ACCEPT THE OFFER BY SOUTHERN CALIFORNIA EDISON TO TRANSFER UP TO 25 ELECTRIC SERVICE ACCOUNTS TO DIRECT ACCESS SERVICE, AND TO NEGOTIATE AND EXECUTE AN AGREEMENT WITH AN ELECTRIC SERVICE PROVIDER TO PROVIDE ELECTRICITY FOR THE SELECTED ACCOUNTS.

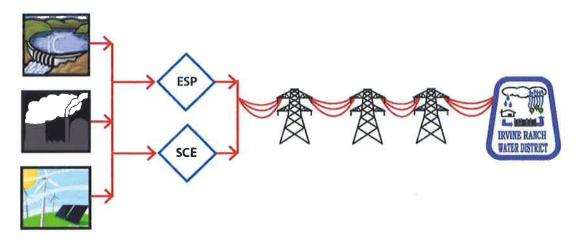
LIST OF EXHIBITS:

Exhibit "A" – SCE Direct Access Program Schematic

Exhibit "B" - Direct Access Accounts for Recycled Water Pumps

Exhibit "C" - Direct Access Accounts for Selected Potable Wells

Exhibit "A" SCE Direct Access Program (Power Purchase Alternatives for IRWD)



Power Generation Various Sources

Energy Supplier Southern California Edison (SCE) or an Energy Service Provider (ESP) Power Distribution and Transmission Southern California Edison

Power Use Irvine Ranch Water District (IRWD)

Exhibit "B"

Direct Access Accounts for Selected Recycled Water Pumps

#	Direct Access Groups	Serv Acct Num	Service Street Addr	City Name	Zip	2016 Bill Amt (Sum)	2016 kWh Usage (Sum)	2016 Maximum kW (Max)	Description
1	RW Pump	39933543	5800 1/2 PORTOLA PKWY 1/2	IRVINE	92602	\$13,573	55,111	64	Bee Canyon Pump Station
2	RW Pump	19774792	20696 REGENCY	LAKE FOREST	92630	\$13,653	107,402	102	LF Zone C Pump station
3	RW Pump	4412044	11 STRAWBERRY FARM RD	IRVINE	92612	\$40,629	203,382	326	Turtle Rock Zone B Pump Station
4	RW Pump	25032574	2500 FORD	NEWPORT BEACH	92660	\$42,095	438,960	67	San Joaquin Zone B Pump Station
5	RW Pump	8169712	20544 NEWPORT COAST	NEWPORT BEACH	92660	\$96,651	968,462	479	Coastal G Pump Station
6	RW Pump	1573161	6747 IRVINE CENTER DRIV	IRVINE	92715	\$117,134	1,196,000	375	East Irvine Zone B Pump Station
7	RW Pump	3180640	4975 BONITA CANYON A	IRVINE	92618	\$325,380	2,445,488	1,031	Coastal Zone D Pump Station
Total					1	\$649 115	5 414 805	2 444	:

Exhibit "C"

Direct Access Accounts for Selected Potable Wells

#	Direct Access Groups	Serv Acct Num	Service Street Addr	City Name	Zip	2016 Bill Amt (Sum)	2016 kWh Usage (Sum)	2016 Maximum kW (Max)	Description
1	DW Well	18288344	3232 1/2 S GREENVILLE ST	SANTA ANA	92704	\$4,281	14,737	84	DRWF - Well 7
2	DW Well	19055628	26001 DIMENSION	LAKE FOREST	92630	\$9,924	61,852	205	LF Well 7 Domestic
3	DW Well	293611	2302 S RAITT	SANTA ANA	92704	\$17,988	158,368	276	DRWF 18
4	DW Well	14452157	2915 HALLADAYST	SANTA ANA	92705	\$31,913	334,494	74	DRWF Primary Disinfection Station
5	DW Well	1573123	2830 S FAIRVIEW ST	SANTA ANA	92704	\$61,828	352,706	332	DRWF 13
6	DW Well	38737417	1251 MITCHELL AVE	TUSTIN	92780	\$65,052	601,330	186	Tustin Well 21
7	DW Well	763215	1801 W SEGERSTROM	SANTA ANA	92704	\$75,779	770,133	265	DRWF Well 1
8	DW Well	14570911	2510 S SUSAN ST	SANTA ANA	92704	\$79,632	702,694	326	DRWF 16
9	DW Well	1679845	2922 W WARNER AVE	SANTA ANA	92704	\$95,068	752,776	439	DRWF 14
10	DW Well	1768919	2300 W SEGERSTROM	SANTA ANA	92704	\$100,962	908,899	334	DRWF 11
11	DW Well	25359479	3000 W HARVARD ST	SANTA ANA	92704	\$110,781	1,336,893	266	DRWF 12
12	DW Well	8789293	2500 1/2 S GARNSEY ST	SANTA ANA	92707	\$115,180	1,174,999	427	DRWF 6
13	DW Well	771996	1000 W HEMLOCK	SANTA ANA	92707	\$126,393	1,571,281	285	DRWF - Primary Disinfection Facility
14	DW Well	739415	500 W ALTON AVE	SANTA ANA	92707	\$132,216	1,610,811	313	DRWF 2
15	DW Well	38567159	14232 DEBUSK LN	TUSTIN	92780	\$133,328	1,033,920	296	Tustin Well 22
16	DW Well	17877936	2619 S CYPRESS CONT	SANTA ANA	92705	\$143,119	1,800,107	288	DRWF 5
17	DW Well	13147322	2114 S ANNE ST	SANTA ANA	92704	\$165,637	2,365,839	288	DRWF 17
18	DW Well	43045443	678 N GRAVIER ST	ORANGE	92869	\$184,751	1,075,430	512	NA
Total						\$1,653,835	16,627,269	5,196	