AGENDA IRVINE RANCH WATER DISTRICT BOARD OF DIRECTORS REGULAR MEETING

November 28, 2016

PLEDGE OF ALLEGIANCE

CALL TO ORDER 5:00 p.m., Board Room, District Office

15600 Sand Canyon Avenue, Irvine, California

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

NOTICE

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

COMMUNICATIONS TO THE BOARD

- 1. A. Written:
 - B. Oral:
- ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

CONSENT CALENDAR Resolution No. 2016-25 Items 3-5

3. MINUTES OF REGULAR BOARD MEETINGS

Recommendation: That the minutes of the November 14, 2016 Regular Board Meeting be approved as presented.

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

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

CONSENT CALENDAR - Continued

Resolution No. 2016-25

Items 3-5

5. OCTOBER 2016 TREASURY REPORTS

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report, the Monthly Interest Rate swap Summary for October 2016, and disclosure report of reimbursements to board members and staff; approve the October 2016 summary of payroll ach payments in the total amount of \$1,656,752 and approve the October 2016 accounts payable disbursement summary of warrants 371567 through 372430, workers' compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$27,302,904.

ACTION CALENDAR

6. REVIEW OF 2016 LEGISLATIVE ACTIVITIES AND 2017 LEGISLATIVE PLANNING

Recommendation: That the Board provide input on the proposed 2017 regional, state and federal legislative issues of interest to IRWD, and adopt the proposed initial 2017 legislative and regulatory resource allocation plan and the legislative /regulatory issues and activities of high concern to IRWD in 2017.

7. <u>ENTERPRISE ASSET MANAGEMENT SOFTWARE PROCUREMENT AND IMPLEMENTATION</u>

Recommendation: That the Board approve the procurement of software and hardware for a not-to-exceed cost of \$545,000; authorize the General Manager to execute a Professional Services Agreement with Total Resources Management for *Phase 2 Implementation - Part 1 Work & Asset Management*, for a not-to-exceed cost of \$988,330; and authorize the General Manager to execute a Professional Services Variance with Kayuga Solution for a not-to-exceed cost of \$202,020.

8. PLACING NOMINATION OF STEVEN LAMAR AS VICE PRESIDENT OF ACWA

Recommendation: That the Board support the nomination of IRWD Director Steven LaMar for vice president of ACWA for a two-year term beginning January 1, 2018 and that a resolution be adopted by title subject to non-substantive changes and in accordance with ACWA's requirements.

Reso No. 2016-

OTHER BUSINESS

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

- 9. A. General Manager's Report
 - B. Directors' Comments
 - C. CLOSED SESSION Conference with Real Property Negotiator (Government Code Section 54956.8).

Property: San Juan Capistrano Water and Sewer Infrastructure

Agency Negotiator: Paul Cook, General Manager

Purpose of Negotiations: Proposed Acquisition of Property - Price and Terms.

CLOSED SESSION Conference with Real Property Negotiator (Government Code Section 54956.8).

Property Parcels: 827-030-004, 827-030-005, 827-110-005, 827-110-006, 827-110-010,

827-110-011, 827-110-014, and 827-110-016, County of Riverside

Negotiating Parties: Lourenco Farm

Agency Negotiator: Paul Cook, General Manager Purpose of Negotiations: Price and Term of Payment,

CLOSED SESSION Conference with Real Property Negotiator (Government Code Section 54956.8).

Property Parcels: 878-151-003, 878-210-001, 878-270-001, 878-270-002, 878-260-001,

878-260-002, County of Riverside Negotiating Parties: Barnes and Berger

Agency Negotiator: Paul Cook, General Manager Purpose of Negotiations: Price and Term of Payment.

CLOSED SESSION Conference with Real Property Negotiator (Government Code Section 54956.8).

Property Parcels: 815-180-018, 827-120-010, 827-130-005, 827-140-001, 830-050-004, 830-050-008, 830-50-010, 827-040-005, 827-040-004, 827-072-001, 827-072-002, 827-072-003, 827-072-004, 827-072-005, 827-072-010, 827-120-002, 827-120-001, 827-040-006, 827-050-003, 827-050-007, 827-050-005, 827-050-001, 827-020-002, 827-030-003, 827-020-004, 827-020-001, 827-020-018, 827-040-003, 827-050-002, 827-020-003, 815-180-011, 815-180-006, 815-180-003, 827-120-003, 827-120-004, 827-120-006, 827-120-008, 827-120-009, 827-120-011, 827-130-012, 827-040-001, 830-030-004, County of Riverside

Negotiating Parties: Williams

Agency Negotiator: Paul Cook, General Manager Purpose of Negotiations: Price and Term of Payment. IRWD Board of Directors' Meeting November 28, 2016 Page 4

OTHER BUSINESS - Continued

- 9. D. OPEN 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.

November 28, 2016

Prepared and

Submitted by: L. Bonkowski

Approved by: P. Cook

CONSENT CALENDAR

MINUTES OF BOARD MEETING

SUMMARY:

Provided are the minutes of the November 14, 2016 Regular Board Meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE NOVEMBER 14, 2016 REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – November 14, 2016 Minutes

EXHIBIT "A"

MINUTES OF REGULAR MEETING - NOVEMBER 14, 2016

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President Matheis on November 14, 2016 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

Directors Present: Swan, Matheis, Reinhart and Withers.

Directors Absent: LaMar.

Also Present: General Manager Cook, Executive Director of Finance Clary, Executive Director of Water Policy Weghorst, Executive Director of Engineering and Water Quality Burton, Director of Treasury and Risk Management Jacobson, Director of Water Resources Sanchez, Director of Public Affairs Beeman, Director of Human Resources Roney, Assistant Director of Recycling Zepeda, Legal Counsel Arneson (via teleconference), Secretary Bonkowski, Government Relations Officer Compton, Principle Engineer Cortez, Principle Engineer Akiyoshi, Mr. Bruce Newell, Mr. Jim Reed, Mr. Joe Lam, Mr. Andre Abajian, and other members of the public and staff.

ORAL AND WRITTEN COMMUNICATIONS: None.

CONSENT CALENDAR

On <u>MOTION</u> by Withers, seconded and unanimously carried, CONSENT CALENDAR ITEMS 3 THROUGH 10 WERE APPROVED AS FOLLOWS:

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

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

4. MINUTES OF REGULAR BOARD MEETINGS

Recommendation: That the minutes of the October 24, 2016 Regular Board Meeting and the October 25, 2016 Adjourned Regular Board Meeting be approved as presented.

CHANGES TO GENERAL MANAGER'S COMPENSATION

Recommendation: That the Board approve a 4% increase to the salary of the General Manager and a one-time performance award in the amount of \$4,200, effective October 1, 2016.

CONSENT CALENDAR (CONTINUED)

6. PLANNING AREA 1 NEIGHBORHOOD 3 CAPITAL FACILITIES

Recommendation: That the Board authorize a budget increase for Project 7012 in the amount of \$526,900, from \$162,800 to \$689,700; authorize a budget increase for Project 7013 in the amount of \$107,800, from \$367,400 to \$475,200; authorize a budget increase for Project 7017 in the amount of \$47,300, from \$203,500 to \$250,800; and authorize the General Manager to accept ICDC's construction contract with Shoffeitt Pipeline, Inc. in the amount of \$907,178.50 for the Neighborhood 3, Capital Domestic and Recycled Water Improvements.

7. PLANNING AREA 1 TOLL BROTHERS CAPITAL FACILITIES

Recommendation: That the Board authorize the General Manager to execute a Reimbursement Agreement with Toll Brothers, Inc. for the construction of IRWD's Neighborhood 1, Capital Recycled Water Improvements; and authorize the General Manager to accept Toll Brothers, Inc.'s construction contract with Paulus Engineering in the amount of \$288,647 for the Neighborhood 1, Capital Recycled Water Improvements, Project 5919.

8. PLANNING AREA 51 HERITAGE FIELDS CAPITAL FACILITIES

Recommendation: That the Board authorize the General Manager to execute a Supplemental Reimbursement Agreement with Heritage Fields for Planning Area 51, GP-1, GP-2 and GP-3 Streets; approve Contract Change Order No. 1 to Projects 6536 and 6538 in the amount of \$107,410.50; and approve Contract Change Orders Nos. 3 and 4 to Project 6018 in the amounts of <\$68,715.00> and \$162,739.00, respectively.

9. PETERS CANYON WASH CHANNEL WATER CAPTURE AND REUSE PIPELINE RETENTION REDUCTION

Recommendation: That the Board authorize the reduction of retention from 5% to 1% of the contract amount for the Peters Canyon Wash Channel Water Capture and Reuse Pipeline, Project 4985.

10. LAKE FOREST ZONE A RESERVOIR DEMOLITION CONSTRUCTION AWARD

Recommendation: That the Board authorize a budget increase in the amount of \$125,000, from \$160,600 to \$285,600, for project 7094; find that the irregularities in the bid submitted by SoCal Removal on October 27, 2016 did not affect the amount of the bid or afford SoCal Removal a competitive advantage and waive the irregularities; and authorize the General Manager to execute a construction contract with SoCal Removal in the amount of \$123,837.60 for the Lake Forest Zone A Reservoir Demolition, project 7094.

ACTION CALENDAR

DYER ROAD WELLFIELD WELL 18 REHABILITATION BUDGET INCREASE AND CONTRACT CHANGE ORDER

The Dyer Road Wellfield (DRWF) Well 18 Rehabilitation Project will rehabilitate the well to remove chemical and biological material from the well's wire wrapped perforations and restore its production capacity. The District's contractor, Best Drilling and Pump (Best), began rehabilitation activities in September 2016, and completed brushing, bailing and initial chemical development of the well in October 2016. After completing the brushing and bailing and the initial chemical development, a video inspection of the well identified a large hole in the wire-wrapped portion of the casing at a depth of 805 feet below ground surface. The District's consultant, Richard C. Slade and Associates (RCS), reviewed the inspection video and also noted that the mild steel wire wrapped perforations were completely sealed with biological and inorganic material with extensive corrosion. Based on recommendations from the District's RCS and Best, installation of a stainless steel liner instead of performing the remaining chemical and mechanical development work would complete the remaining rehabilitation of Well 18 and increase the physical integrity and useful life of the well.

On <u>MOTION</u> by Reinhart, seconded and unanimously carried, THE BOARD AUTHORIZED A BUDGET INCREASE IN THE AMOUNT OF \$187,000, FROM \$770,000 TO \$957,000; AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE CONTRACT CHANGE ORDER NO. 1 WITH BEST DRILLING AND PUMP, INC. IN THE AMOUNT OF \$323,682 FOR THE DYER ROAD WELLFIELD WELL 18 REHABILITATION, PROJECT 4401.

MEMBRANE BIOREACTOR LEAPmbr CONVERSION

General Manager Cook reported as a part of the Michelson Water Recycling Plant (MWRP) Phase II Expansion Project, a Membrane Bioreactor (MBR) system was installed and fully commissioned in 2014. General Electric (GE), the MBR system manufacturer, has developed an upgrade that enhances the energy efficiency of the system. This enhancement, known as the LEAPmbr, maintains the same treatment capacity and effluent quality while significantly reducing energy usage. The conversion to LEAPmbr requires the installation of air scouring retrofit kits and modification of the control system software. Southern California Edison (SCE) is providing a financial incentive for this project of up to \$112,000. The incentive is available only if the project is completed within 12 months of SCE's approval which was granted in September 2016.

Using a PowerPoint presentation, Assistant Director of Recycling Operations Zepeda provided an overview of the MWRP process, described the MBR air scouring fundamentals, the existing air scouring system, the air scouring improvements, the benefits of LEAPmbr, the SCE incentive process, and project schedule.

Director Reinhart reported that this item was reviewed and approved by the Engineering and Operations Committee on November 10, 2016. On <u>MOTION</u> by Reinhart, seconded and unanimously carried, THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONTRACT WITH GENERAL ELECTRIC FOR THE IMPLEMENTATION OF THE LEAPmbr CONVERSION TECHNOLOGY IN THE

AMOUNT OF \$380,999, AND AUTHORIZED THE ADDITION OF THE MWRP MBR LEAP AERATION CONVERSION CAPITAL PROJECT 30418 (4468) TO THE FY 2016/17 CAPITAL BUDGET.

ANNUAL BOARD OF DIRECTORS' FEES

Director Swan reported that the Finance and Personnel Committee reviewed the Board of Directors' compensation and recommended accepting an increase for the new calendar year. Following discussion, on <u>MOTION</u> by Swan, seconded and unanimously carried, THE BOARD ACCEPTED A 5% COMPENSATION INCREASE FOR CALENDAR YEAR 2017 RESULTING IN A MEETING FEE OF \$273 PER MEETING UP TO 10 MEETINGS A MONTH.

GENERAL MANAGER'S REPORT

General Manager Cook congratulated Directors Matheis and Withers on their reelection to the Board.

Mr. Cook reported that he and Mr. Weghorst attended MWDOC's Planning and Operations Committee meeting this morning to provide an overview of the District's purchase of land within the Palo Verde Irrigation District.

Mr. Cook noted a meeting with Orange County Flood District and its need to generate revenues. He said an item will be agendized for its Board on November 22, 2016.

He noted that this Wednesday he will be meeting with LAFCO staff and that he agendized a Closed Session item for the District's November 28 Board meeting.

He reminded the Board of the upcoming ACC-OC Annual Thanksgiving reception this Wednesday, and City of Irvine's recognition of outgoing Mayor Choi and Council Member Beth Krom on November 22nd.

Assistant Director Jose Zepeda introduced Mr. Joe Lam, the District's new Automation Manager.

DIRECTORS' COMMENTS

Director Withers commented on the recent election and was pleased that he and President Matheis were reelected.

Director Swan reported on his attendance at a WaterNow Alliance meeting, an OCWD Board meeting, a MWDOC meeting, NWRI's Clarke Prize awards and conference, an SWD/IRWD Ad Hoc Committee meeting, and a 40th anniversary celebration at the consulting firm of LSA Associates.

Director Reinhart reported on his attendance at a MWDOC Board meeting, a workshop on efficiency standards, a SOCWA Board meeting.

Director Matheis reported on her meeting with Senator Moorlach, that she had accepted an award on behalf of the District from the AIA California Council for the District's groundwater recovery and

recycling efforts, and a South Orange County Watershed Management area meeting. She also said she attended a recent Shadetree Partnership Board meeting, and last Saturday a monthly nursery event with approximately 100 volunteers, and complimented staff on its efficient and effectively run event.

Consultant Jim Reed reported on meetings he attended on behalf of the District.

Consultant Bruce Newell commented that the reservoirs in Santiago Canyon which was smart as a fire precautionary measure. Director Reinhart commented on the application of biosolids pellets in burn areas which he said has been proved as an effective way to protect the soil and also provide a fertilizer source.

AD	<u>JOU</u>	<u>JRNN</u>	<u>MENT</u>

President Matheis adjourned the meeting at 6:07 p.m.

APPROVED and SIGNED this 28th day of November, 2016.

	President, IRVINE RANCH WATER DISTRICT
	Secretary IRVINE RANCH WATER DISTRICT
¥	
APPROVED AS TO FORM:	
Legal Counsel - Bowie, Arneson, W	iles & Giannone

November 28, 2016

Prepared and

Approved by: P. Cook / Look. Submitted by: N. Savedra

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

ACWA Fall Conference, Anaheim, CA 11/29-12/2/16

Mary Aileen Matheis

11/17/16	OCBC Red Carpet Awards Ceremony Event
11/18/16	Irvine Community Thanksgiving Breakfast Meeting
11/28/16	Water Education Foundation Board Meeting
11/29/16	Orange County Forum
11/29-12/2/16	ACWA Fall Conference, Anaheim, CA
12/13-16/16	CRWUA Annual Conference, Las Vegas, CA

Douglas Reinhart

11/29-12/2/16	ACWA Fall Conference, Anaheim, CA
12/14-16/16	CRWUA Annual Conference, Las Vegas, CA

Peer Swan

11/23/16	Southern California Water Dialogue Meeting
11/28/16	ACWA/JPIA Board of Directors Meeting
11/29-12/2/16	ACWA Fall Conference, Anaheim, CA
12/14-16/16	CRWUA Annual Conference, Las Vegas, CA

John Withers 11/17/16 11/18/16 11/22/16	OCBC Red Carpet Awards Ceremony Event Irvine Community Thanksgiving Breakfast Meeting City of Irvine Council Meeting Recognition of Mayor Steven Choi and Beth Krom
11/29-12/2/16	ACWA Fall Conference, Anaheim, CA

RECOMMENDATION:

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

LIST OF EXHIBITS:

None

November 28, 2016

Prepared by: Jennifer Davis/Tanja Fournier

Submitted by: Robert Jacobson/Cheryl Clary

Approved by: Paul Cook

CONSENT CALENDAR

OCTOBER 2016 TREASURY REPORTS

SUMMARY:

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

- A. The Investment Summary Report for October 2016. This Investment Summary Report is in conformity with the 2016 Investment Policy and provides sufficient liquidity to meet estimated expenditures during the next six months, as outlined in Exhibit "A".
- B. The Monthly Interest Rate Swap Summary as of October 31, 2016, as outlined in Exhibit "B".
- C. The Summary of Payroll ACH payments in the total amount of \$1,656,752, as outlined in Exhibit "C".
- D. The October 31, 2016 Disbursement Summary of warrants 371567 through 372430, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$27,302,904 as outlined in Exhibit "D".
- E. The Disclosure Report of Reimbursements to Board Members and Staff for October 2016, detailing payments or reimbursements for individual charges of \$100.00 or more per transaction, as outlined in Exhibit "E".

FISCAL IMPACTS:

As of October 31, 2016, the book value of the investment portfolio was \$446,074,802, with an 0.86% rate of return and a market value of \$446,003,818. Based on the District's September 30, 2016 quarterly real estate investment rate of return of 12.97%, the weighted average return for the fixed income and real estate investments was 2.73%.

As of October 31, 2016, the total notional amount of the interest rate swap portfolio was \$130 million of fixed payer swaps. Cash accrual in October from all swaps was negative \$606,815.

Payroll ACH payments totaled \$1,656,752, and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for October totaled \$27,302,904.

Consent Calendar – October 2016 Treasury Reports November 28, 2016 Page 2

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE TREASURER'S INVESTMENT SUMMARY REPORT, THE MONTHLY INTEREST RATE SWAP SUMMARY FOR OCTOBER 2016, AND DISCLOSURE REPORT OF REIMBURSEMENTS TO BOARD MEMBERS AND STAFF; APPROVE THE OCTOBER 2016 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$1,656,752 AND APPROVE THE OCTOBER 2016 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 371567 THROUGH 372430, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$27,302,904.

LIST OF EXHIBITS:

Exhibit "A" – Investment Summary Report

Exhibit "B" - Monthly Interest Rate Swap Summary

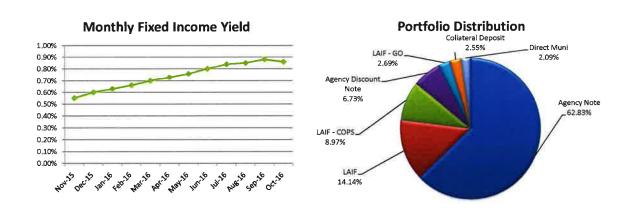
Exhibit "C" – Monthly Payroll ACH Summary

Exhibit "D" – Monthly Summary of District Disbursements

Exhibit "E" – Disclosure of Reimbursements to Board Members and Staff

Exhibit "A"

Irvine Ranch Water District Investment Portfolio Summary October 2016



Investment Summary

Type	PAR	Book Value	Market Value
Agency Note	280,000,000	280,432,071	280,319,510
LAIF	63,000,000	63,000,000	63,019,280
LAIF - COPS	40,000,000	40,000,000	40,012,241
Agency Discount Note	30,000,000	29,965,867	29,972,250
LAIF - GO	12,000,000	12,000,000	12,003,672
Collateral Deposit	11,353,457	11,353,457	11,353,457
Direct Muni	9,323,408	9,323,408	9,323,408
Grand Total	445,676,865	446,074,802	446,003,818



Top Issuers

Issuer	PAR	% Portfolio
Fed Home Loan Bank	126,000,000	28.27%
State of California Treasury - LAIF	115,000,000	25.80%
Fed Home Loan Mortgage Corp	79,000,000	17.73%
Fed Natl Mortgage Assoc	60,000,000	13.46%
Fed Farm Credit Bank	45,000,000	10.10%
ETWD	9,323,408	2.09%
Citi-Group Collateral	7,623,457	1,71%
Merrill Lynch Collateral	3,730,000	0.84%
Grand Total	445,676,865	100.00%

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT

10/31/16

SETILINT Servicide Col. Date Pasing Divestment Pasing Divestment Settles Account Discount Col.							10/31/16			-				
Page 11011/16	SETTLMT *			- PARTIESTS NOT THE	Rating					YIELD		CARRY VALUE		
Page 11011/16	08/19/16			11/01/16		I.AIF	State of California Tsv	\$63,000,000		0.640%	\$63,000,000,00	\$63,000,000,00	63.019.280.02	19,280.02
1012916								, ,			, ,			,
Open							E.S.				. 00		Y.	
1012/16 No. No. 01/2017	10/13/16	N/A	N/A	11/28/16	NR	FHLB - Discount Note	Fed Home Loan Bank	10,000,000	0,270%	0.275%	9,996,550.00	9,997,975.00	9,998,500.00	525,00
100RUS NA	09/21/15	N/A	N/A	12/09/16	Aaa/AA+/AAA	FHLB - Note	Fed Home Loan Bank	5,000,000	1,625%	0.532%	5,066,150.00	5,005,648.76	5,006,800.00	1,151.24
Policy P	10/12/16	N/A	N/A	12/22/16	NR	FHLB - Discount Note	Fed Home Loan Bank	10,000,000	0.305%	0.310%	9,993,984.72	9,995,679.17	9,997,000,00	1,320,83
60:1515	10/08/15	N/A	N/A	01/30/17	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1,250%	0.492%	5,049,445.00	5,009,270,94	5,010,250.00	979.06
661616 16	09/21/15	N/A	N/A	02/22/17	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.875%	0.570%	5,021,500,00	5,004,672.12	5,007,000.00	2,327,88
OSF-06-16-16 NA	06/15/15	N/A	N/A	03/30/17	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.625%	0.727%	4,990,950.00	4,997,938,15	5,002,950.00	5,011.85
66/19/16 19/10.	06/16/16	N/A	N/A	04/21/17	NR	FNMA - Discount Note	Fed Natl Mortgage Assoc	5,000,000	0.530%	0_539%	4,977,254.15	4,987,412.49	4,989,300.00	1,887.51
08/27/15 NiA NA 06/30/17 NiR FHLBNote Fed Home Loan Bank 5,000,000 0,867/4 0,998,500,00 4,999,500,35 5,000,530,00 7,888,27 0,999,173 3,000,000 7,888,27 0,999,173 3,000,000 7,888,27 0,999,173 3,000,000 7,888,27 0,900,000 0,907/4 0,900,000 0,900/4 0,900,000 0,900/4 0,900,000 0,900/4 0,900,000 0,900/4 0,900,000 0,900/4 0,900,000 0,900/4 0,900,000 0,900/4 0,900,000 0,900/4 0,900,000 0,900/4 0,900,000 0,900/4 0,900,000 0,900/4 0,900/4 0,900,000 0,900/4 0,90	06/16/16	N/A	N/A	04/27/17	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.125%	0.607%	5,022,271.95	5,012,514,71	5,014,650.00	2,135.29
60,1016 50	06/16/16	N/A	N/A	05/12/17	NR	FNMA - Discount Note	Fed Natl Mortgage Assoc	5,000,000	0.570%	0.580%	4,973,875.00	4,984,800,00	4,987,450.00	2,650.00
66/61/6 No. No. 06/30/17 AsiA/A+NR FHLB. Note Feld Home Loan Bank 5,000,000 0,800% 0,614% 5,009,614.00 5,006,113.39 5,006,700.00 7,088.71 7,000.00 7,0	08/27/15	N/A	N/A	05/30/17	NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.625%	0.642%	4,998,500.00	4,999,509,35	5,002,350.00	2,840,65
11/05/15 No. No. OSC281/7 Asa/AA+NR FHLB - Note Fell Home Loan Mortgage Corp Asa/AA+NR FHLB - Note Fell Home Loan Mortgage Corp Asa/AA+NR FFCB - Note Fell Home Loan Mortgage Corp Asa/AA+NR FFCB - Note Fell Home Loan Mortgage Corp Asa/AA+NR FFCB - Note Fell Home Loan Mortgage Corp Asa/AA+NR FFCB - Note Fell Home Loan Mortgage Corp Asa/AA+NR FFCB - Note Fell Home Loan Mortgage Corp Asa/AA+NR FFCB - Note Fell Home Loan Mortgage Corp Asa/AA+NR FFCB - Note Fell Home Loan Mortgage Corp Asa/AA+NA FFCB - Note Fell Home Loan Mortgage Assoc Asa/AA+NA FFCB - Note Fell Home Loan Mortgage Assoc Asa/AA+NA FFCB - Note Fell Home Loan Mortgage Assoc Asa/AA+NA FFCB - Note Fell Home Loan Mortgage Assoc Asa/AA+NA FFCB - Note Fell Home Loan Mortgage Corp Asa/AA+NA FFCB - Note Fell Home Loan Mortgage Corp Asa/AA+NA FFCB - Note Fell Home Loan Mortgage Corp Asa/AA+NA		N/A	N/A	06/30/17	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.800%	0.614%	5,009,614.00	5,006,113,39	5,006,700.00	586.61
Polificial No. No. Confinementale Confirementale Confinementale Confirementale Confiremental		N/A	N/A	08/28/17	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.750%	0.800%	4,995,500.00	4,997,960,73	5,005,050.00	7,089,27
Gr.2915 Conformershire Li 21/313 Cl 21/313 Li 21/313 L							Fed Home Loan Mortgage Corp			0.915%	4,998,500.00	4,999,346,58	5,007,850.00	8,503.42
12/18/15 Construendant 12/13/13 12/12/17 Aaa/AA+/AAA FHLMC - Note Fed Farm Credit Bank 5,000,000 0,820% 1,132% 4,969,500.00 4,981,000 0,180.00 1,180.00 0,321/16 Nun 0,129/18 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1,050% 1,050% 5,000,000.00 5,000,000.00 5,000,000.00 1,000% 1		Continuous after							0.810%	0.815%	4,999,500.00	4,999,773,29	4,999,450.00	(323.29)
04/22/16									0.820%		4,969,500.00	4,982,920.00	4,991,100.00	8,180.00
G301/16 Commody C9/26/16 C9/26/18 NR/AA+/AAA FHLMC - Note Fed Home Loam Mortgage Corp 5,000,000 1,050% 1,050% 5,000,000 5,000,000 0 100,000 0 0 0 0 0 0 0 0									0.850%	0.856%	3,999,600.00	3,999,719.32	4,000,800.00	1,080.68
03/23/16 N/A N/A 03/23/18									1.050%	1.050%	5,000,000.00	5,000,000.00	5,000,100.00	100.00
04/07/16		N/A	N/A	03/23/18		FHLMC - Note		5,000,000	1.100%	0.908%	5,019,000.00	5,013,195.89	5,012,600.00	(595.89)
O5/16/16 NA										0.790%	4,996,000.00	4,997,136.61	4,994,150.00	(2,986.61)
05/13/16										0.801%	4,995,000.00	4,996,157.53	4,990,050.00	(6,107.53)
05/24/16							Fed Natl Mortgage Assoc			0.768%	5,010,700.00	5,008,206.23	5,001,400.00	(6,806.23)
06/29/16						FHLB - Note		11,000,000	1,250%	0.995%	11,056,540.00	11,044,321.29	11,061,710.00	17,388,71
09/01/16 One Time 07/27/17 07/27/18 Aaa/AA+/AAA FNMA - Note Fed Natl Mortgage Assoc 5,000,000 0,750% 0,928% 4,983,250.00 4,984,722.26 4,983,950.00 (772.26)						FHLMC - Note	Fed Home Loan Mortgage Corp	10,000,000	1.000%	0.679%	10,016,000.00	10,013,260.27	9,999,800.00	(13,460,27)
O9/01/16										0.928%	4 983 250 00	4.984.722.26	4.983.950.00	(772.26)
09/01/16												, ,		, ,
10/12/16														(1,325.91)
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 4,994,167.60 4,999,200.00 5,032.40 09/01/16 N/A N/A 10/01/18 Aaa/AA+/N/R FFCB - Note Fed Farm Credit Bank 5,000,000 1.030% 0.925% 5,010,750.00 5,009,887.17 5,007,350.00 (2,537.17) 10/12/16 One Time 04/12/17 10/12/18 Aaa/ARA/N/R FFCB - Note Fed Farm Credit Bank 10,000,000 1.000% 1.041% 9,992,000.00 9,992,219.18 9,984,600.00 (7,619.18) 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 10,136,742.47 10,135,400.00 (1,342.47) 10/12/18 Aaa/AA+/AAA FNMA - Note Fed Home Loan Mortgage Corp 5,000,000 1.750% 0.941% 5,091,300.00 5,093,484.68 4,988,400.00 (3,972.18) 10/12/16 One Time 07/30/18 01/30/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 0.950% 1.005% 4,993,000.00 4,993,484.68 4,988,400.00 (2,169.01) 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 4,990,569.01 4,988,400.00 (2,169.01) 10/26/16 Continuous after 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 4,990,072.64 4,988,400.00 (1,672.64) 10/12/16 Continuous after 0/30/18 02/12/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Bank 10,000,000 1.050% 1.050% 1.090% 4,990,000.00 4,990,234.47 9,990,000.00 365.53 (10/12/16 One Time 0/3/29/17 03/29/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Bank 5,000,000 1.050% 1.050% 4,990,900.00 4,990,951.11 4,994,850.00 (4,181.15) 10/12/16 One Time 0/4/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (4,583.06) 10/31/16 One Time 0/4/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.125% 0.992% 10,032,800.00 10,032,083.06 10,027,500.00 (4,583.06) 10/31/16 One Time 0/4/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,750.00 4,999,751.38 4,997,800.00 (951.38)														
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 5,009,887.17 5,007,350.00 (2,537.17) 10/12/16 One Time 04/12/17 10/12/18 Aaa/NR/NR FFCB - Note Fed Farm Credit Bank 10,000,000 1.000% 1.000% 1.041% 9,992,000.00 9,992,219.18 9,984,600.00 (7,619.18) 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 10,136,742.47 10,135,400.00 (1,342.47) 10/13/18 Aaa/AA+/AAA FNMA - Note Fed Home Loan Bank 5,000,000 1.750% 0.941% 5,009,300.00 5,084,622.18 5,080,600.00 (3,972.18) 10/12/16 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 4,993,484.68 4,988,400.00 (2,169.01) 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% 4,990,000.00 4,990,569.01 4,988,400.00 (2,169.01) 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% 4,990,000.00 4,990,569.01 4,988,400.00 (2,169.01) 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 4,990,072.64 4,988,400.00 (1,672.64) 10/12/16 Comminuous after 02/12/18 02/12/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Bank 10,000,000 1.050% 1.093% 9,990,000.00 9,990,234.47 9,990,600.00 365.53 09/01/16 N/A N/A 03/08/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 0.964% 5,006,500.00 5,062,081.15 5,057,900.00 (4,181.15) 10/12/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 1.050% 0.964% 5,009,950.00 4,999,951.11 4,994,850.00 (5,101.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 1.050% 1.050% 4,999,951.00 4,999,951.11 4,994,850.00 (5,101.11) 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 10,032,803.06 10,027,500.00 (4,5														·
10/12/16 ORD Time 04/12/17 10/12/18 Aaa/NR/NR FFCB - Note Fed Farm Credit Bank 10,000,000 1.000% 1.041% 9,992,000.00 9,992,219.18 9,984,600.00 (7,619.18) 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 10,136,742.47 10,135,400.00 (1,342.47) 10/10/10/10/10/10/10/10/10/10/10/10/10/1											100			(2,537,17)
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 10,136,742.47 10,135,400.00 (1,342.47) 09/01/16 NA NA 12/14/18 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 0.950% 1.009% 4,993,000.00 4,993,484.68 4,988,400.00 (5,084.68) 10/26/16 One Time 07/30/18 01/30/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 0.950% 1.035% 4,990,500.00 4,990,569.01 4,988,400.00 (2,169.01) 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 4,990,000.00 4,988,400.00 (2,169.01) 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 4,990,000.00 4,988,400.00 (1,672.64) 10/12/16 Continuous after 02/12/18 02/12/19 Aaa/AA+/AAA FHLB - Note Fed Home Loan Bank 10,000,000 1.050% 1.040% 4,990,000.00 9,990,234.47 9,990,600.00 365.53 10/12/16 One Time 03/29/17 03/29/19 Aaa/AA+/AAA FHLB - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (3,101.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (3,101.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (3,101.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (3,510.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (3,510.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (3,510.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.38 4,997,800.00 (9,513.8)													9,984,600.00	(7,619.18)
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 5,084,622.18 5,080,650.00 (3,972.18) 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 4,993,484.68 4,988,400.00 (5,084.68) 10/26/16 One Time 07/30/18 01/30/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 0.950% 1.035% 4,990,500.00 4,990,569.01 4,988,400.00 (2,169.01) 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 4,990,072.64 4,988,400.00 (1,672.64) 10/12/16 Continuous after 02/12/18 02/12/19 Aaa/AA+/AAA FHLB - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 1.093% 9,990,000.00 9,990,234.47 9,990,600.00 365.53 10/12/16 One Time 03/29/17 03/29/19 Aaa/AA+/AAA FHLB - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (4,181.15) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (6,510.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (6,510.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (6,510.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (6,510.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (6,510.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (6,510.11) 10/12/16 N/A N/A 04/15/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (9,510.1														
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 4,993,484.68 4,988,400.00 (5,084.68) 10/26/16 One Time 07/30/18 01/30/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 0.950% 1.035% 4,990,500.00 4,990,569.01 4,988,400.00 (2,169.01) 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 4,990,072.64 4,988,400.00 (1,672.64) 10/12/16 Continuousafer 02/12/18 02/12/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Bank 10,000,000 1.050% 1.050% 1.093% 9,990,000.00 9,990,234.47 9,990,600.00 365.53 10/12/16 One Time 03/29/17 03/29/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1.500% 0.964% 5,066,500.00 5,062,081.15 5,057,900.00 (4,583.06) 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 10,032,083.06 10,027,500.00 (4,583.06) 10/31/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (4,583.06) 10/31/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (4,583.06) 10/31/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (4,583.06) 10/31/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1.050% 1.050% 4,999,950.00							0.0			0.941%	5,091,300.00	5,084,622,18	5,080,650.00	(3,972.18)
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 4,990,569,01 4,988,400.00 (2,169.01) 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 4,990,072.64 4,988,400.00 (1,672.64) 10/12/16 Continuousafter 02/12/18 02/12/19 Aaa/AA+/NR FHLB - Note Fed Home Loan Bank 10,000,000 1,050% 1,050% 1,093% 9,990,000,00 9,990,234.47 9,990,600.00 365.53 10/12/16 One Time 03/29/17 03/29/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1,050% 1,050% 4,999,950,00 4,999,951.11 4,994,850.00 (4,181.15) 10/12/16 One Time 03/29/17 03/29/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1,125% 0,992% 10,032,800.00 10,032,083.06 10,027,500.00 (4,583.06) 10/31/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 10,000,000 1,125% 0,992% 10,032,800.00 10,032,083.06 10,027,500.00 (951.38)										1_009%	4,993,000.00	4,993,484.68	4,988,400.00	(5,084.68)
10/26/16 One Time 07/30/18 01/30/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 0.950% 1.040% 4,990,000.00 4,990,072.64 4,988,400.00 (1,672.64) 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 9,990,234.47 9,990,600.00 365.53 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 5,062,081.15 5,057,900.00 (4,181.15) 10/12/16 One Time 03/29/17 03/29/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (5,101.11) 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 10,032,083.06 10,027,500.00 (4,583.06) 10/31/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Farm Credit Bank 5,000,000 1.050% 1.050% 4,998,750.00 4,998,751.38 4,997,800.00 (951.38)								, ,						` ' '
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 9,990,234.47 9,990,600.00 365.53 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 5,062,081.15 5,057,900.00 (4,181.15) 10/12/16 One Time 03/29/17 03/29/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (5,101.11) 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 10,032,083.06 10,027,500.00 (4,583.06) 10/31/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Farm Credit Bank 5,000,000 1.050% 1.050% 4,998,750.00 4,998,751.38 4,997,800.00 (951.38)							00 1							* * * * * * * * * * * * * * * * * * * *
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 5,062,081.15 5,057,900.00 (4,181.15) 10/12/16 One Time 03/29/17 03/29/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (5,101.11) 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 10,032,083.06 10,027,500.00 (4,583.06) 10/31/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Farm Credit Bank 5,000,000 1.050% 1.050% 4,998,750.00 4,998,751.38 4,997,800.00 (951.38)														365.53
10/12/16 One Time 03/29/17 03/29/19 Aaa/AA+/AAA FHLMC - Note Fed Home Loan Mortgage Corp 5,000,000 1.050% 1.050% 4,999,950.00 4,999,951.11 4,994,850.00 (5,101.11) 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 10,032,083.06 10,027,500.00 (4,583.06) 10/31/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Farm Credit Bank 5,000,000 1.050% 1.060% 4,998,750.00 4,998,751.38 4,997,800.00 (951.38)											, ,			(4,181.15)
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 10,032,083.06 10,027,500.00 (4,583.06) 10/31/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Farm Credit Bank 5,000,000 1.050% 1.060% 4,998,750.00 4,998,751.38 4,997,800.00 (951.38)														,
10/31/16 One Time 04/26/17 04/26/19 Aaa/AA+/AAA FHLMC - Note Fed Farm Credit Bank 5,000,000 1.050% 1.060% 4,998,750.00 4,998,751.38 4,997,800,00 (951,38)														
7,														
											, ,			

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT

10/31/16

						10/31/16			-				
SETTLMT *	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 10/31/2016	UNREALIZED ⁽² GAIN/(LOSS)
09/01/16	NA	NA	06/14/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.625%	0.987%	5,087,400.00	5,082,152,56	5,075,100.00	(7,052.5
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	5,067,110.43	5,075,100.00	7,989 5
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	4,970,253.83	4,990,650.00	20,396.1
09/01/16	One Time	01/26/17	07/26/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.150%	1_180%	4,995,700.00	4,995,947 92	4,983,050 00	(12,897.9
09/01/16	One Time	08/28/17	08/28/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.150%	1.160%	4,998,500.00	4,998,583 87	4,977,600.00	(20,983
09/01/16	One Time	02/28/17	08/28/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.125%	1.132%	4,999,000.00	4,999,055.91	4,975,450 00	(23,605
09/28/16	Quarterly	03/09/17	09/09/19	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.125%	1_142%	4,997,500,00	4,997,578.78	4,972,200 00	(25,378.
09/28/16	Continuous after	12/27/16	09/27/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.250%	1.189%	5,001,500.00	5,001,453.38	4,988,000 00	(13,453.
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	9,989,968.21	9,985,800 00	(4,168
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	9,975,457.04	9,979,900 00	4,442
05/30/15	N/A	N/A	04/30/36	NR	Direct Muni	ETWD	9,323,408	4.570%	4 570%	9,323,407.59	9,323,407.59	9,323,407_59	
SUB-TOTAL							\$434,323,408			\$434,843,601.19	\$434,721,344.92	\$434,650,361.27	(\$70,983
03/01/16 02/28/16	CASH (Swap	Collateral I	Deposits) ⁽⁵⁾		Collateral Deposit	Citi-Group Merrill Lynch	\$7,623,457 \$3,730,000		0.410% 0.410%	\$7,623,457.03 \$3,730,000.00	\$7,623,457.03 \$3,730,000.00	7,623,457 03 3,730,000 00	
SUB-TOTAL					•		\$11,353,457			\$11,353,457.03	\$11,353,457.03	\$11,353,457 03	
TOTAL INVES	TMENTS						\$445,676,865			\$446,197,058_22	\$446,074,801.95	\$446,003,818.30	
				September	Petty Cash Ck Balance	Bank of America				3,400.00 1,248,886.86 \$447,449,345.08			
AIF market value is								Outstanding V					\$307,100,0
		ed using Ban	k of New Yor	k ("Trading Prices"), B	loomberg				_	Rate Debt (Less \$13	0 million fixed-paye	r swaps)	\$177,100,0
or broker dealer pr			4 . 2		037 77 17 79 7			Investment B					\$447,449,3
					of New York/or Brokers					ate Debt Ratio:	. 41		25
eal estate rate of re			ent quarter end	return				Portfolio - Av	erage Num	ber of Days To Matur	rity"		4
alculation excludes	Direct Muni	- ETWD									Investment	Real Estate(3)	Weighted Avg
wap Collateral Dep	osits assumes	6 month ma	aturity, depend	dent on interest rate char	nges						Portfolio	Portfolio	Return
										October	0.86%	12.97%	2.73%
Investment Summ	ary Report is	in conformi	ty with the 20	16 Investment Policy						September	0.88%	12,97%	3,21%
				stimated expenditures						Change			-0.48%

IRVINE RANCH WATER DISTRICT SUMMARY OF MATURITIES

10/31/16

DATE	TOTAL	%	LAIF	Agency Notes	Agency Discount Notes	Collateral Deposit	Direct Muni
10/16	\$115,000,000	25.80%	\$115,000,000				
11/16	10,000,000	2.24%			10,000,000		
12/16	15,000,000	3.37%		5,000,000	10,000,000		
01/17	5,000,000	1.12%		5,000,000			
02/17	16,353,457	3.67%		5,000,000		\$11,353,457	
03/17	5,000,000	1.12%		5,000,000			
04/17	10,000,000	2.24%		5,000,000	5,000,000		
05/17	10,000,000	2.24%		5,000,000	5,000,000		
06/17	5,000,000	1.12%		5,000,000			
07/17							
08/17	5,000,000	1.12%		5,000,000			
09/17	10,000,000	2.24%		10,000,000			
SUB-TOTAL	\$206,353,457	46.30%	\$115,000,000	\$50,000,000	\$30,000,000	\$11,353,457	
13 Months - 3 YEARS							
10/01/17-12/31/17	5,000,000	1.12%		5,000,000			
1/01/18 - 3/31/2018	14,000,000	3.14%		14,000,000			
04/01/18 - 6/30/2018	36,000,000	8.08%		36,000,000			
07/01/18-9/30/2018	30,000,000	6.73%		30,000,000			
10/01/2018-12/31/18	30,000,000	6.73%		30,000,000			
1/01/19 - 3/31/2019	35,000,000	7.85%		35,000,000			
04/01/2019 - 06/30/2019	30,000,000	6.73%		30,000,000			
07/01/2019 - 09/30/2019	30,000,000	6.73%		30,000,000			
10/01/2019 - 12/31/2019	20,000,000	4.49%		20,000,000			
	9,323,408	2.09%					9,323,408
04/30/2036							

Irvine Ranch Water District Summary of Real Estate 9/30/2016

	ACQUISITION DATE	PROPERTY TYPE	OWNERSHIP INTEREST	ORIGINAL COST	ESTIMATED MARKET VALUE 30-Jun-16		RATE OF RETURN QUARTER ENDED 30-Sep-16
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 43,550,810	\$	143,910,000	17.95%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	\$	27,296,298	8.56%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,739,845	\$	9,384,000	-2.42%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,630,577	\$	7,650,000	5.66%
Sand Canyon Professional Center	Jul-12	Medical Office	Fee Simple	\$ 8,648,594 \$ 72,569,826	\$	10,608,000 198,848,298	8.45% 12.97%

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT INVESTMENT ACTIVITY Sep-16

MATURITIES/SALES/CALLS

PURCHASES

DATE	SECURITY TYPE	PAR	YIELD	Settlement Date	Maturity Date	SECURITY TYPE	PAR	YIELD TO MATURITY
10/13/2016	FAMCA - Note	\$5,000,000	0.58%	10/12/2016	10/13/2016	FHLB - Discount Note	\$20,000,000	0.23%
10/13/2016	FHLB - Discount Note	\$20,000,000	0.23%	10/12/2016	12/22/2016	FHLB - Discount Note	\$10,000,000	0.31%
10/13/2016	FHLB - Discount Note	\$10,000,000	0.25%	10/12/2016	9/27/2018	FHLB - Note	\$10,000,000	0.95%
				10/12/2016	9/28/2018	FFCB - Note	\$5,000,000	0.94%
				10/12/2016	10/12/2018	FFCB - Note	\$10,000,000	1.04%
				10/12/2016	11/27/2018	FNMA - Note	\$10,000,000	0.96%
				10/12/2016	2/12/2019	FHLB - Note	\$10,000,000	1.09%
				10/12/2016	3/29/2019	FHLMC - Note	\$5,000,000	1.05%
				10/12/2016	4/15/2019	FHLMC - Note	\$10,000,000	0.99%
				10/12/2016	6/14/2019	FHLB - Note	\$5,000,000	1.10%
				10/12/2016	7/19/2019	FHLMC - Note	\$5,000,000	1.10%
				10/12/2016	10/3/2019	FHLB - Note	\$10,000,000	1.16%
	15.			10/12/2016	10/11/2019	FFCB - Note	\$10,000,000	1.21%
		12		10/13/2016	10/31/2016	FHLB - Discount Note	\$10,000,000	0.25%
1				10/13/2016	11/28/2016	FHLB - Discount Note	\$10,000,000	0.27%
				10/26/2016	1/30/2019	FHLMC - Note	\$5,000,000	1.03%
				10/26/2016	1/30/2019	FHLMC - Note	\$5,000,000	1.04%
				10/31/2016	4/26/2019	FHLMC - Note	\$5,000,000	1.05%

10/31/2016

Exhibit "B'

IRVINE RANCH WATER DISTRICT INTEREST RATE SWAP MONTHLY SUMMARY REPORT - DETAIL October 31, 2016

LIBOR Avg % 0.5

Prior Mo.	Current Mo.	12-Mo Avg
0.53%	0.53%	0.43%

		Cur	rent Fisca	Ye	ar Active Swa	ips	- 33				Cash	Flow	(Since 6/06)		Mark to	Mar	ket
Effective Date	Maturity Date	Years to Maturity	Counter Party	No	otional Amt	Туре	Base Index	Fixed Rate	Pri	ior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Cui	rrent Mark to Market		Notional Difference
F	ixed Payer	Swaps - I	By Effective	re Da	ate												
6/4/2006	6/4/2019	2.6	ML	\$	20,000,000	FXP	LIBOR	6.200%		(91,238)	(97,649)	\$ (382,552)	\$ (10,209,728)	\$	17,303,446	\$	(2,696,55
6/4/2006	6/4/2019	2.6	CG		20,000,000	FXP	LIBOR	6.200%		(91,238)	(97,649)	(382,552)	(10,209,728)		17,303,228		(2,696,77
6/17/2006	6/17/2019	2.6	CG		30,000,000	FXP	LIBOR	6.140%		(135,472)	(144,859)	(567,715)	(15,146,166)		25,948,683		(4,051,31
3/10/2007	3/10/2029	12.4	ML.		30,000,000	FXP	LIBOR	5.687%		(124,981)	(133,329)	(522,030)	(13,637,059)		16,448,857		(13,551,14
3/10/2007	3/10/2029	12.4	CG		30,000,000	FXP	LIBOR	5.687%		(124,981)	(133,329)	(522,030)	(13,637,059)		16,450,556		(13,549,44
Totals/Weig	hted Avgs	7.1	-	\$	130,000,000			5.949%	\$	(567,910) \$	(606,815)	\$ (2,376,879)	\$ (62,839,741)	\$	93,454,770	\$	(36,545,230
Total Curre	ent Year											1.					
Active Swa	aps			\$	130,000,000				\$	(567,910) \$	(606,815)	\$ (2,376,879)	\$ (62,839,741)	\$	93,454,770	\$	(36,545,23

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

Cash 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						

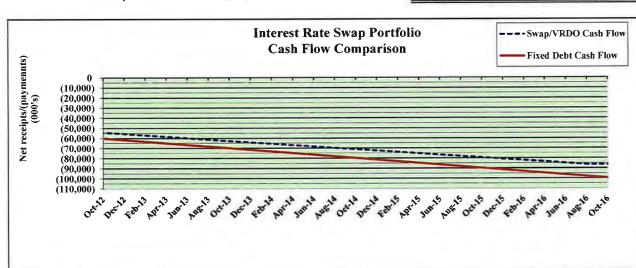
Mark to Market						
Current Mark to	Notional					
Market	Difference					

Total Current Year Active & Terminated Swaps

\$ 130,000,000

\$ (567,910) \$ (606,815) \$ (2,376,879) \$ (62,839,741) \$

93,454,770 \$ (36,545,230)



Cash Flow Comparison
Synthetic Fixed vs. Fixed Rate Debt

Cash Flow to Date

Synthetic Fixed = \$87,762,641

Fixed Rate = \$106,151,468

Assumptions:

- Fixed rate debt issued at 5,10% in Jun-06, and 4,93% in Mar-07 (estimated TE rates - Bloomberg) - 'Synthetic' includes swap cash

flow + interest + fees to date

Exhibit "C"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

October 2016

and Comment of	AMOUNT	VENDOR	PURPOSE
10/14/2016 10/28/2018	826,105.89 830,646.14	BANK OF AMERICA BANK OF AMERICA	ACH Payments for Payroll ACH Payments for Payroll
	\$1,656,752.03		

Exhibit "D"

Report Date: 01-NOV-2016 14:15 IRWD Ledger Void Payment Register rter Page: 1
Period From; 01-OCT-16 To; 31-OCT-16 Include Zero Amount Payments: Yes Date: Void Date Display Payee Address: No Bank; Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Payment Currency: USD (US Dollar) Bank Account Currency: USD Date Payee Name Site Address Payment Amount Void Date Payment Number Date Payment Document: IRWD CHECK 21-JUL-16 CHO, GINA 28-JUL-16 BONDILI, KALYAN 28-JUL-16 GOH, WAN TING 28-JUL-16 WOOD, LUKE 62.69 25-OCT-16 23.70 25-OCT-16 369204 PAY 369351 PAY 369389 PAY 4.96 25-OCT-16 369494 PAY 138.27 25-OCT-16 01-SEP-16 ALHAZNI, ANWAR 370333 PAY 08-SEP-16 ARDEN REALTY INC 08-SEP-16 ESCOBEDO, MARIO 15-SEP-16 BARTOLOME, ALVIN 15-SEP-16 BRAUN, KAREN 370590 PAY 29-47 28-OCT-16 370648 24.50 PAY 11.21 12.34 370825 PAY 20-OCT-16 370843 PAY 20-OCT-16 15-SEP-16 BRAUN, KAREN
15-SEP-16 BRENNAN, PHILIP
15-SEP-16 KAKEHASHI, GRANT
15-SEP-16 RONQUILLO, BEA
15-SEP-16 CORTES, RICARDO
22-SEP-16 GARCIA, RALPH
22-SEP-16 GARCIA, RALPH
22-SEP-16 VAN DYKE SPREADERS, INC. 370844 27.74 20-OCT-16 370908 18.61 28-OCT-16 PAY 370978 12.45 20-OCT-16 20-OCT-16 371043 PAY 22.45 20.32 371186 PAY 11.13 20-OCT-16 371321 299.00 05-OCT-16 BLYTHE 03-OCT-16 NOVA, AMANA 20-OCT-16 AT&T 371568 14-20 04-OCT-16 372087 CAROL STREAM 2 1,328.01 20-OCT-16 Payment Document Subtotal 2,086.45 Payment Number Date Payee Name Payment Amount Void Date Payment Document: IRWD Wire 11742 10-OCT-16 BANK OF NEW YORK MELLON TRU NEWARK 14,786.48 28-OCT-16 Payment Document Subtotal 14,786,48 Bank Account Subtotal 16,872.93
Report Total 16,872.93 Total Void

Void Payment Register

Period From: 01-OCT-16

*** End of Report ***

Report Count: 19

Include Zero Amount Payments: Yes

Display Payee Address: No

IRWD Ledger

Report Date: 01-NOV-2016 14:15

Page: To: 31-OCT-16

Date: Void Date

IRWD Ledger Payment Register For 01-OCT-16 To 31-OCT-16 Report Date: 01-NOV-2016 14:14

BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 1

Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)

Payment Type: All Display Supplier Address: No

Payment Number S	Gequence Num D	ate	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Stat
Payment Documen							******	444
371567	0	3-0CT-16	NOVA, AMANA	PAY	14.20	27-OCT-16	14.20	Reconcile
371568			NOVA, AMANA	PAY	14.20			Voided
371569			CITY OF IRVINE	IRVINE 1	14,107.23	11-OCT-16	14,107.23	Reconciled
371570			CITY OF IRVINE	IRVINE 1	2,169.78	11-OCT-16	2,169.78	Reconcile
					112.86	07-OCT-16	112.86	Reconcile
371571	0	6-0CT-16	Compton, Christin	е	112,00	07-001-10	112.00	Reconcile
371572	0	6-0CT-16	Chaney, David (Dave)		260.00	11-OCT-16	260.00	Reconcile
371573	0	6-OCT-16	Olivolo, Eric J (Eric)		185.28	12-OCT-16	185,20	Reconcile
371574	0	6-OCT-16	Solis, Henry (Henry)		93.00			Negotiabl
371575	0	6-OCT-16	Davis, Jennifer R (Jennifer)		102.76	07-OCT-16	182.76	Reconcile
371576	0	6-0CT-16	Nash, Joel		147.42	11-0CT-16	147.42	Reconcile
371577			Oldewage, Lars D		362.65	11-OCT-16	362,65	Reconcile
711377	O	10-001-10	(Lars)		302,03	11 001 10	505,00	110001100110
371578	0	6-OCT-16	Stuvick, Lindsey	R	479,78	06-OCT-16	479.78	Reconcile
371579			Cortez, Malcolm A (Malcolm)		64.80			Negotiabl
71 500	0	16-0CT-16	O'Neill, Owen H		270,00			Negotiabl
371580					93.00	11-OCT-16	93.00	Reconcile
71581			Reynoso, Pio (Pio)				
171582	0	6-0CT-16	Bennett, Ray R (Ray)		305.96	06-OCT-16	305.96	Reconcile
71583	0	6-0CT-16	Toland, Scott		39,92	14-OCT-16	39.92	Reconcile
371584	0	16-0CT-16	Sidlin, Wayne		255,00	07-OCT-16	255,00	Reconcile
71585			WESTAMERICA	LAKE	9,100,84	07-OCT-16	9,100.84	Reconcile
7/1363	V	70-001-10	COMMUNICATIONS,	FOREST	3,100,01	V/ 001 10	3,100,01	
371586	0	6-OCT-16	ENVIRONMENTAL EXPRESS INC	ATLANTA	2,061.51	11-OCT-16	2,061.51	Reconcile
371587	0	6-0CT-16	HARDY & HARPER IN	CPAY	10,396.40	11-OCT-16	10,396.40	Reconcile
371588			ORANGE COUNTY AUT PARTS CO		288.93	11-OCT-16	288.93	Reconcile
371589	0	6-OCT-16	PRAXAIR DISTRIBUTION INC	PAY	1,411,28	17-OCT-16	1,411.28	Reconcile
371590	n	6-0CT-16	ADS LLC		1,936.50	12-OCT-16	1,936.50	Reconcile
71591		6-OCT-16			7,140.33		7,140,33	
71592		6-0CT-16			385,67	11-OCT-16		
					538.80	12-OCT-16	538,80	
371593			AIRGAS, INC.			12-OCT-16	3,173,40	Reconcile
371594	C	06-0CT-16	ALLIANT INSURANCE SERVICES, INC		3,173.40	12-0CT-16	3,173.40	Reconcile
371595	C	06-OCT-16	ALPHA TRAFFIC SERVICES, INC.		1,140.00	18-OCT-16	1,140.00	Reconcile
371596	C	6-OCT-16	ALSTON & BIRD LLP		42,902.16	14-OCT-16	42,902.16	Reconcile
RWD Ledger			Pavment	Register Fo	or 01-OCT-16 To	31-OCT-16	Report Date: 01	-NOV-2016 1
BANK: Bank of Ar	nerica N.A.	Brand	ch : Los Angeles	,	Account: Check		R Page:	2
	nt Currency: C	JSD (US I	Dollar)		Payment Curr play Supplier Add		US Dollar)	
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ayment Number S				Site	Payment Amount	Date	Cleared Amount	Sta
Payment Documer			.,				************	
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371597			AMERICAN TECHNOLOGIES, INC		•	12-OCT-16		Reconcile
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Payment Number	Sequence Num Date	Supplier Name	Site	Payment Amount	Date	Created Amount	Status
	ment : IRWD CHECK						
371597	06-OCT-16			2,260.00	12-OCT-16	2,260,00	Reconciled
371598	06-OCT-16	TECHNOLOGIES, INC APPLIED TECHNOLOGY GROUP INC		12,281.80	13-OCT-16	12,281.80	Reconciled
371599	06-OCT-16			37,16			Negotiable
371600	06-OCT-16	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA		32,973.77	14-OCT-16	32,973.77	Reconciled
371601	06-OCT-16	AT&T		51,31	11-OCT-16	51.31	Reconciled
371602	06-OCT-16	AT&T		3,984.47	12-OCT-16	3,984.47	Reconciled
371603	06-OCT-16	AUTOZONE PARTS, INC.		601.37	11-OCT-16	601.37	Reconciled
371604	06-OCT-16	BATTERIES PLUS AND BATTERIES PLUS BULBS		381.01	11-OCT-16	301.01	Reconciled
371605	06-OCT-16	BIGDELI, FARIBA		306,24	27-OCT-16	306.24	Reconciled
371606	06-OCT-16	BIOMAGIC INC		14,408,05	11-OCT-16	14,408.05	Reconciled
371607	06-OCT-16	BIOQUIP PRODUCTS		192.11	12-OCT-16	192.11	Reconciled
371608	06-OCT-16	BLOOMBERG FINANCE LP		12,465.00	12-OCT-16	12,465.00	Reconciled
371609	06-OCT-16	BOYD & ASSOCIATES		1,434.00	12-OCT-16	1,434.00	Reconciled
371610	06-OCT-16	BRITHINEE ELECTRIC		18,468.95	11-OCT-16	18,468.95	Reconciled
371611	06-OCT-16	BURLINGTON SAFETY LABORATORY OF		947.54	11-OCT-16	947.54	Reconciled

371612		06-OCT-16	CALIFORNIA INC		22,487.92	12-OCT-16	22,487.92	Reconciled
371613		06-OCT-16	TRUST CALIFORNIA BARRICADE RENTAL,		12,587.50	12-OCT-16	12,587.50	Reconciled
371614		06-OCT-16	INC. CAPTIVE AUDIENCE		85.32	18-OCT-16	05.32	Reconciled
371615		06-OCT-16	MARKETING INC. CARSMETICS		131.36 367.44	13-OCT-16	131.36	Reconciled Negotiable
371616 371617 371618		06-0CT-16	CARSMETICS CHANG, JULIE CHIU, TOOMY CHO DESIGN ASSOCIATES, INC		125.84	11-OCT-16	4,400.00	Negotiable
371619					170 50			Negotiable
371620 371621		06-OCT-16 06-OCT-16	CHOI, YIJIN CHOICE, CLAIRE S CITY OF IRVINE CITY OF LAKE		14.92 918,50	24-OCT-16 17-OCT-16	010 60	Reconciled Reconciled
371622							30,000.00	Reconciled
371623 371624		06-OCT-16 06-OCT-16	FOREST CITY OF TUSTIN CIVILSOURCE, INC. CLEAN ENERGY Payment		225.70 3,510.00	11-OCT-16 11-OCT-16	225.70 3,510.00 2,254.73	Reconciled Reconciled
371625 IRWD Ledger		06-OCT-16	CLEAN ENERGY Payment	Register For	2,254.73 01-OCT-16 To	12-OCT-16 31-OCT-16	2,254.73 Report Date: 01-	Reconciled -NOV-2016 14:14
BANK: Bank of A Bank Accou Payment	America N.A. unt Currency: Type: All	Brand USD (US I	ch ; Los Angeles Dollar)	Displ	Account: Checki Payment Curre ay Supplier Add	ing AP and E ency: USD ress: No	Report Date: 01- PR Page; (US Dollar)	3
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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
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371626		06-OCT-16	COASTLINE EQUIPMENT COMPANY		1,259.86	11-OCT-16	1,259.86	Reconciled
371627		06-OCT-16	EQUIPMENT COMPANY COMET ELECTRIC, INC.		670.19	11-OCT-16	670,19	Reconciled
371628		06-OCT-16	CONTROLLED MOTION SOLUTIONS, INC		328,83	11-OCT-16	328,83	Reconciled
371629 371630			COSTELLO, DANIEL CREDENTIAL CHECK			11-OCT-16 11-OCT-16		Reconciled Reconciled
371631		06-OCT-16	CORPORATION D & H WATER		1,167.70	17-OCT-16	1,167.70	Reconciled
371632			SYSTEMS INC. DAMAVANDI, EMIL		208,87			Negotiable
371633 371634		06-OCT-16	DATAZEO, INC. DELL MARKETING LP		3,604.00 1,049.66	11-OCT-16 12-OCT-16	1,049.66	Reconciled
371635			DETECTION INSTRUMENTS CORP		1,607.31 16,516.93	12-OCT-16	1,607.31 16,516.93	Reconciled Reconciled
371636 371637			DMS FACILITY SERVICES, INC. DOOLEY, ADAM			11-OCT-16		
371637		06-0CT-16	EAST ORANGE COUNTY WATER DISTRICT		15,956.52	11 001 10	73,01	Negotiable
371639		06-OCT-16			1,620.00	12-OCT-16	1,620.00	Reconciled
371640		06-OCT-16	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.		11,510.00	12-OCT-16	11,510.00	Reconciled
371641		06-OCT-16	ENVIRONMENTAL EQUIPMENT SUPPLY, INC		135.00	12-OCT-16	135.00	Reconciled
371642		06-OCT-16	ENVIRONMENTAL RESOURCE ASSOCIATES		438,41	13-OCT-16	438.41	Reconciled
371643 371644			ESTANCIA APTS EVISTA INDUSTRIES,			13-OCT-16 12-OCT-16		Reconciled Reconciled
371645		06-OCT-16	INC. FEDEX NATIONAL		473.96	14-OCT-16	473.96	Reconciled
371646		06-OCT-16	LTL, INC FIDELITY SECURITY LIFE INSURANCE		6,486.86	13-OCT-16	6,486.86	Reconciled
371647		06-OCT-16	COMPANY FISHER SCIENTIFIC		8,931.78	11-OCT-16	0,931.78	Reconciled
371648		06-OCT-16	COMPANY LLC FRANK LA PLACA EXTERMINATING,		175,00	20-OCT-16	175.00	Reconciled
371649 IRWD Ledger			INC. GANAHL LUMBER CO. Payment	D. Jahan Ban	1,502.53 01-OCT-16 To	21 000 16	Donowt Date: 01	MOV 2016 14.14
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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
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371650 371651			GHD INC. GRAHAM, SUZANNE			18-OCT-16 11-OCT-16	13,764.09 49.75	
371651 371652 371653		06-OCT-16	GRAINGER GRAYBAR ELECTRIC			11-OCT-16 11-OCT-16		Reconciled
371654			COMPANY GRIFFITH COMPANY			12-OCT-16		

371655	06-OCT-16	HAAKER EQUIPMENT COMPANY	1,465.85	12-OCT-16	1,465.85	Reconciled
371656	06-0CT-16	HADRONEX, INC	624,60	12-OCT-16	624.60	Reconciled
371657		HAMADA, JAMES	213.05	17-OCT-16	213.05	Reconciled
371658		HASLER INC.	1,276.00	13-OCT-16	1,276.00	Reconciled
371659		HDR ENGINEERING	67,273.50	13-0CT-16	67,273,50	Reconciled
		INC	•		•	
371660	06-OCT-16	HEALTH SCIENCE ASSOCIATES, INC.	5,559.25	19-OCT-16	5,559.25	Reconciled
371661	06-OCT-16	HELP/SYSTEMS, LLC	9,850,00	11-OCT-16	9,850.00	Reconciled
371662		HELPMATES STAFFING	17,773.26	11-OCT-16	17,773.26	Reconciled
		SERVICES	,			
371663	06-OCT-16	HENRY PRATT COMPANY	1,500.00	11-OCT-16	1,500.00	Reconciled
371664	06-OCT-16	HERCKT, MONICA	117,14	17-OCT-16	117,14	Reconciled
371665	06-OCT-16	HILL BROTHERS	4,497.50	13-OCT-16	4,497.50	Reconciled
		CHEMICAL COMPANY				
371666	06-OCT-16	HOME DEPOT USA INC	3,091,59	20-OCT-16	3,091.59	Reconciled
371667	06-OCT-16	IDEXX	2,633.60	11-OCT-16	2,633.60	Reconciled
		DISTRIBUTION, INC				
371668	06-OCT-16	INDEPENDENT	37.00	14-OCT-16	37,00	Reconciled
		SPECIAL DISTRICT				
		OF ORANGE COUNTY				
371669	06-OCT-16	IRVINE COMPANY	40,035.60	17-OCT-16	40,035.60	Reconciled
371670	06-OCT-16	IRVINE PIPE &	8,170.85	11-OCT-16	8,170.85	Reconciled
		SUPPLY INC				
371671	06-OCT-16	JACOBSON, JULIAN	76.24	11-OCT-16	76.24	Reconciled
371672	06-OCT-16	JACOME, ALBERT	132.38	11-OCT-16	132.38	Reconciled
371673	06-OCT-16	JERKINS, JAMES	112,54			Negotiable
371674	06-OCT-16	JIG CONSULTANTS	7,160.00	12-OCT-16	7,160.00	Reconciled
371675	06-OCT-16	JOHN ROBINSON	25,773.75	17-OCT-16	25,773.75	Reconciled
		CONSULTING, INC.				
371676	06-OCT-16	KENT & AMY	9,982.00	13-OCT-16	9,982.00	Reconciled
		DAHLBERG				
371677	06-OCT-16	KILL-N-BUGS	5,595.00	12-OCT-16	5,595.00	Reconciled
		TERMITE AND PEST				
		CONTROL SERVICES				
371678	06~OCT-16	KIM, ANDREW	9,24	11-OCT-16	9.24	Reconciled
371679		KIMBALL MIDWEST	1,513.70	11-OCT-16	1,513.70	Reconciled
IRWD Ledger			For 01-OCT-16 To		Report Date: 01	-NOV-2016 14:14
BANK: Bank of America N.A.	Branc		Account: Check		Page:	5
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Payment Number	Sequence Num Date	Supplier Name	Site Payment Amount	Cleared Date	Cleared Amount	Status
	nent ; IRWD CHECK					
371680	06-OCT-16	KIRKENDALL, CORINNE	861.42	11-OCT-16	861.42	Reconciled
371681	06-OCT-16	KOELLER NEBEKER CARLSON & HALUCK, LLP	3,633.77 =	11-OCT-16	3,633.77	Reconciled
371682	06-OCT-16	KS DIRECT LLC	1,987,20	11-OCT-16	1,987,20	Reconciled
371683	06-OCT-16	L & S CONSTRUCTION INC	255.48	12-OCT-16	255.48	Reconciled
371684	06-OCT-16	L. G. SUPPLY COMPANY	7,037.28	18-OCT-16	7,037.28	Reconciled
371685	06-OCT-16	LANDCARE HOLDINGS, INC.	5,900.00	11-OCT-16	5,900.00	Reconciled
371686	06-OCT-16	LARK LABEL LLC	1,245,40	17-OCT-16	1,245.40	Reconciled
371687	06-OCT-16	LBA REALTY BPCC, LLC	32.03	17-OCT-16	32.03	Reconciled
371688	06-OCT-16	LEHMAN CONSTRUCTION INC	522,95	18-OCT-16	522,95	Reconciled
371689	06-OCT-16	LENNAR HOMES	33.91	11-OCT-16	33.91	Reconciled
371690	06-OCT-16	LIMA, ANA	5,82	31-OCT-16	5.82	Reconciled
371691	06-OCT-16	LUO, YANNI	19,94			Negotiable
371692	06-OCT-16	MACHADO, MARK ALAN	26.05	11-OCT-16	26.05	Reconciled
371693	06-OCT-16	MALLOY, KIRSTY	13.13	11-OCT-16	13.13	Reconciled
371694	06-OCT-16	MARCH, RAYAN	17,53	11-OCT-16	17.53	Reconciled
371695	06-OCT-16	MARTIAN, ADRIENNE	383.23	11-OCT-16	303,23	Reconciled
371696	06-OCT-16	MARTINEZ, CHRISTIAN	34.22	12-OCT-16	34.22	Reconciled
371697	06-OCT-16	MAZZOLA, CHRISTINE	27.80			Negotiable
371698	06-OCT-16	MBF CONSULTING, INC.	10,079.42	12-OCT-16	10,079.42	Reconciled
371699	06-OCT-16	MC CLELLAND, GREG	21.71	11-OCT-16	21.71	Reconciled
371700	06-OCT-16	MC FADDEN-DALE INDUSTRIAL	20,82	12-OCT-16	20.82	Reconciled
371701	06-OCT-16	MC MASTER CARR SUPPLY CO	2,735.89	11-OCT-16	2,735.09	Reconciled
371702	06-OCT-16	MCKENZIE, DAN	54.94	17-OCT-16	54.94	Reconciled
371703		MCMACKIN, RON	3,078.33	13-OCT-16	3,078.33	Reconciled
371704	06-OCT-16	MEDORA CORPORATION	23,107.20	14-OCT-16	23,107.20	Reconciled
371705	06-OCT-16	MEROW, ALAN	35.24			Negotiable
371706	06-OCT-16	MICHAEL BAKER INTERNATIONAL, INC.	175.29	11-OCT-16	175.29	Reconciled
371707	06-OCT-16	MILLER, DAVE	38.86	17-OCT-16	38.86	Reconciled
371708	06-OCT-16		46.99			Negotiable
371709		MORALES, ERANDI	13,83	17-OCT-16	13,83	Reconciled

371710 06-OCT-16 MORRIS, COLIN 12.48

IRWD Ledger
BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 6

Bank Account Currency: USD (US Dollar) Display Supplier Address: No Negotiable Register For 01-OCT-16 To 31-OCT-16 Report Date: 01-NOV-2016 14:14

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371711	06-OCT-16	MORSE, ANGELINA	23,49			Negotiabl
371712		MR CRANE INC	2,369,10	11-OCT-16	2,369.10	
371713		MSDSONLINE, INC.	3,749.00	12-0001-16	3.749.00	Reconcile
371714	06-OCT-16	MUNICIPAL WATER DISTRICT OF ORANGE	12,330.00	12-OCT-16	12,330.00	Reconcile
371715	06-OCT-16	COUNTY MUTUAL PROPANE	72.37	12-OCT-16		Reconcile
371716 371717		NAGHSHINEH, SATAR NATIONAL READY	13.76 1,550.20			Reconcile Reconcile
371718	06-OCT-16	MIXED CONCRETE CO. NATURES IMAGE INC	198.00	12-OCT-16	198.00	Reconcile
371719		NCH CORPORATION	620.98	12-OCT-16 12-OCT-16	620.98	Reconcile
371720 371721		NGUY, LAURA NMG GEOTECHNICAL	23.02 10,304.50			Negotiabl Negotiabl
371722	06-OCT-16	INC NOBUI, HIROKO	16.13			Negotiabl
371723		NOURSE, MICHAEL A		13-OCT-16	28.29	
371724		O'TOOLE TRUST, DANIEL	13,40			Negotiabl
371725	06-OCT-16		963.00			Reconcile
371726		OLIN CORPORATION				Reconcile
371727	06-OCT-16	ENVIRONMENTAL SERVICES, INC.	7,825.00	12-OCT-16	7,825.00	Reconcile
371728	06-OCT-16	ORANGE COUNTY BUSINESS COUNCIL	1,500.00	20-OCT-16	1,500.00	Reconcile
371729	06-OCT-16	ORANGE COUNTY HOSE		11-OCT-16	163.48	Reconcile
371730	06-OCT-16	ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT	239.41	21-OCT-16	239.41	Reconcile
371731	06-OCT-16	ORANGE, SAMUEL	25.66	12-OCT-16	25.66	Reconcile
371732	06-OCT-16	OTSUJI, SANFORD	19.85			Reconcile
371733	06-OCT-16	PACIFIC EH&S SERVICES, INC.	2,368.00	18-OCT-16	2,368.00	Reconcile
371734	06-OCT-16	PACIFIC RETAIL TRUST	24.13			Negot1ab1
371735 371736		PACIFIC SALES PACIFIC SPECTRUM	5,117.04 30.74			Reconcile Reconcile
371737		LLC PAM, BRIAN	13.21		13,21	Reconcile
371738 371739		PANJABI, AMRIT PARK, ESTELLE	11.97 22.87			Negotiabl Negotiabl
371740	06-OCT-16	PARKWAY LAWNMOWER SHOP	397.40	12-OCT-16	397,40	Reconcile
RWD Ledger		PATEL, MR. & MRS. Payment	23.71 Register For 01-OCT-16 To	31-OCT-16	Report Date: 01	
RWD Ledger	Branc	Payment :	Register For 01-OCT-16 To Account: Check	ing AP and Pency: USD (Report Date: 01- R Page: US Dollar)	
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RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CE	Branc USD (US [Date	Payment: th : Los Angeles collar) Supplier Name	Register For 01-OCT-16 To Account: Check Payment Curr Display Supplier Add	ing AP and P ency: USD (lress: No Cleared Date	R Page: US Dollar) Cleared Amount	-NOV-2016 1 7 Sta
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RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CE 371742 371743	Branc USD (US I Date DECK 06-OCT-16 06-OCT-16	Payment: th: Los Angeles tollar) Supplier Name PAULUS ENGINEERING INC PELLETIER & ASSOCIATES, INC. PENHALL COMPANY	Register For 01-OCT-16 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,229.60 1,020.00 1,107.50	ing AP and Peency: USD (ress: No Cleared Date 11-OCT-16 11-OCT-16	R Page: US Dollar) Cleared Amount 3,229.60 1,020.00 1,107.50	Reconcile Reconcile
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RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CF 371742 371743 371744 371746 371746	Brand USD (US I I I I I I I I I I I I I I I I I I	Payment: h: Los Angeles collar) Supplier Name PAULUS ENGINEERING INC PELLETIER & ASSOCIATES, INC. PENHALL COMPANY PEREZ, FRANK PHILLIPS PLYWOOD CO, INC. PINNACLE CUSTOM HOMES, INC PIRATA, LIDA	Register For 01-OCT-16 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80	ing AP and Peency: USD (ress: No Cleared Date 11-OCT-16 11-OCT-16 24-OCT-16 11-OCT-16	R Page: US Dollar) Cleared Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80	
RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CF 371742 371743 371744 371745 371746 371747 371748 371749	Branc USD (US I Date DECK 06-0CT-16 06-0CT-16 06-0CT-16 06-0CT-16 06-0CT-16 06-0CT-16	Payment: h: Los Angeles bollar) Supplier Name PAULUS ENGINEERING INC PELLETIER & ASSOCIATES, INC. PENHALL COMPANY PEREZ, FRANK PHILLIPS PLYWOOD CO, INC. PINNACLE CUSTOM HOMES, INC PIRATA, LIDA PITTS, JUNETTE	Register For 01-0CT-16 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84 16.69 5.18	ing AP and P eency: USD (ress: No Cleared Date 11-OCT-16 11-OCT-16 24-OCT-16 11-OCT-16 14-OCT-16	R Page: US Dollar) Cleared Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84	Reconcile
RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CE 371742 371743 371744 371746 371747 371748 371749 371750	Branc BECK 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16	Payment: h: Los Angeles collar) Supplier Name PAULUS ENGINEERING INC. PENHALL COMPANY PEREZ, FRANK PHILLIPS PLYWOOD CO, INC. PINNACLE CUSTOM HOMES, INC PIRATA, LIDA PITTS, JUNETTE PLANKS USA	Register For 01-0CT-16 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84 16.69 5.18 22.24	Ing AP and Pency: USD (Press: No Cleared Date II-OCT-16	R Page: US Dollar) Cleared Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84	Reconcile
RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CF 371742 371743 371744 371745 371746 371747 371748 371749 371750 371751	Brand Brand Bode Description BECK D6-OCT-16	Payment: h: Los Angeles bollar) Supplier Name PAULUS ENGINEERING INC PELLETIER & ASSOCIATES, INC. PENHALL COMPANY PEREZ, FRANK PHILLIPS PLYWOOD CO, INC. PINNACLE CUSTOM HOMES, INC PIRATA, LIDA PITTS, JUNETTE PLANKS USA PRASAD, KRISHNA PROCTOR, REX T	Register For 01-0CT-16 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84 16.69 5.18 22.24 22.57 71.58	ing AP and P eency: USD (ress: No Cleared Date 11-OCT-16 11-OCT-16 24-OCT-16 11-OCT-16 14-OCT-16	R Page: US Dollar) Cleared Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84	Reconcile
RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document : IRWD C: 371742 371743 371744 371745 371747 371748 371749 371750 371751 371752 371753	Branc BUSD (US I DECK 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16	Payment: h: Los Angeles hollar) Supplier Name PAULUS ENGINEERING INC PELLETIER & ASSOCIATES, INC. PENHALL COMPANY PEREZ, FRANK PHILLIPS PLYWOOD CO, INC. PINNACLE CUSTOM HOMES, INC PIRATA, LIDA PITTS, JUNETTE PLANKS USA PRASAD, KRISHNA PROCTOR, REX T PROLOGIS CALIFORNIA I LLC	Register For 01-0CT-16 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84 16.69 5.18 22.24 22.57 71.58 52.80	ing AP and P ency: USD (iress: No Cleared Date 11-OCT-16 11-OCT-1	R Page: US Dollar) Cleared Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84	Reconcile Negotiabl Reconcile Reconcile Reconcile
RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CE 371742 371743 371744 371745 371746 371747 371750 371750 371752 371753	Brand USD (US [USD (U	Payment : h: Los Angeles hollar) Supplier Name PAULUS ENGINEERING INC PELLETIER & ASSOCIATES, INC. PENHALL COMPANY PEREZ, FRANK PHILLIPS PLYWOOD CO, INC. PINNACLE CUSTOM HOMES, INC PIRATA, LIDA PITTS, JUNETTE PLANKS USA PRASAD, KRISHNA PROCOTOR, REX T PROLOGIS CALIFORNIA I LLC PUBLIC FINANCIAL MANAGEMENT, INC.	Register For 01-0CT-16 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84 16.69 5.18 22.24 22.57 71.58 52.80 3,528.25	ing AP and P ency: USD (press: No Cleared Date 11-OCT-16 11-OCT-16 11-OCT-16 11-OCT-16 11-OCT-16 12-OCT-16 12-OCT-16 12-OCT-16 12-OCT-16 12-OCT-16	R Page: US Dollar) Cleared Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84 22.24 22.57 71.58 3,528.25	Reconcile
RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD C: 371742 371743 371744 371745 371747 371748 371749 371750 371751 371752 371753 371754 371754	Brand BUSD (US I Date DECK 06-OCT-16	Payment: h: Los Angeles hollar) Supplier Name PAULUS ENGINEERING INC PELLETIER & ASSOCIATES, INC. PENHALL COMPANY PEREZ, FRANK PHILLIPS PLYWOOD CO, INC. PINNACLE CUSTOM HOMES, INC PIRATA, LIDA PITTS, JUNETTE PLANKS USA PRASAD, KRISHNA PROCTOR, REX T PROLOGIS CALIFORNIA I LLC PUBLIC FINANCIAL MANAGEMENT, INC. PURE EFFECT INC	Register For 01-OCT-16 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.60 618.84 16.69 5.18 22.24 22.57 71.58 52.80 3,528.25 5,955.00	ing AP and P ency: USD (ress: No Cleared Date 11-OCT-16	R Page: US Dollar) Cleared Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84 22.24 22.57 71.58 3,528.25 5,955.00	Reconcile
RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CE 371742 371743 371744 371745 371746 371747 371748 371749 371750 371751 371752 371753 371755 371756 371756	Brand USD (US [USD (USD U	Payment : h: Los Angeles hollar) Supplier Name PAULUS ENGINEERING INC PELLETIER & ASSOCIATES, INC. PENHALL COMPANY PEREZ, FRANK PHILLIPS PLYWOOD CO, INC. PINNACLE CUSTOM HOMES, INC PIRATA, LIDA PITTS, JUNETTE PLANKS USA PRASAD, KRISHNA PROCTOR, REX T PROLOGIS CALIFORNIA I LLC PUBLIC FINANCIAL MANAGEMENT, INC. PUBE EFFECT INC QAMAR, ANEELA QASYMPHONY, INC.	Register For 01-0CT-16 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84 16.69 5.18 22.24 22.57 71.58 52.80 3,528.25 5,955.00 16.03 25,877.40	ing AP and P ency: USD (ress: No Cleared Date 11-OCT-16 11-OCT-16 11-OCT-16 11-OCT-16 11-OCT-16 12-OCT-16 12-OCT-16 12-OCT-16 12-OCT-16 12-OCT-16 11-OCT-16 12-OCT-16 11-OCT-16	R Page: US Dollar) Cleared Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84 22.24 22.57 71.58 3,528.25 5,955.00 16.03 25,877.40	Reconcile
RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All ayment Number Sequence Num Payment Document: IRWD CE 371742 371743 371744 371745 371747 371748 371749 371750 371751 371752 371753	Brand USD (US [USD (USD U	Payment : h: Los Angeles hollar) Supplier Name PAULUS ENGINEERING INC PELLETIER & ASSOCIATES, INC. PENHALL COMPANY PEREZ, FRANK PHILLIPS PLYWOOD CO, INC. PINNACLE CUSTOM HOMES, INC PIRATA, LIDA PITTS, JUNETTE PLANKS USA PRASAD, KRISHNA PROCTOR, REX T PROLOGIS CALIFORNIA I LLC PUBLIC FINANCIAL MANAGEMENT, INC. QAMAR, ANEELA	Register For 01-0CT-16 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84 16.69 5.18 22.24 22.57 71.58 52.80 3,528.25 5,955.00 16.03	ing AP and P Pency: USD (ress: No Cleared Date 11-OCT-16 11-OCT-16 11-OCT-16 11-OCT-16 11-OCT-16 12-OCT-16 12-OCT-16 12-OCT-16 12-OCT-16	R Page: US Dollar) Cleared Amount 3,229.60 1,020.00 1,107.50 15.13 1,285.80 618.84 22.24 22.57 71.58 3,528.25 5,955.00 16.03	Reconcile Reconcile Reconcile Reconcile Reconcile Reconcile Reconcile Reconcile

371760	06-OCT-16	R & R INDUSTRIAL SERVICES, INC.	1,241.13	19-OCT-16	1,241.13	Reconciled
371761	06-OCT-16	RAM AIR	895.87	11-OCT-16	895.87	Reconciled
271762	06 007 16	ENGINEERING INC RAMIREZ, DIANA	19.17			Negotiable
371762 371763		RASH, NICK	16.76			Negotiable
371763		RAY, ERIC	1.0 4.0			Negotiable
371764		REAL WATER	23.700.00	19-0CT-16	23,700.00	Reconciled
		CONSULTANTS INC.	44.71		W-7. ******	Negotiable
371766		REESE, RYAN	9,179.01	17-OCT-16	9,179.01	Reconciled
371767		RELIANCE SAFETY CONSULTANTS, INC.				
371768		REN, CHARLIE	24,29		24.29	Reconciled
371769		REN, QUISHI	29,45	11-OCT-16	29,45	Reconciled
371770		RESHAMWALLA, UMERA	14.64		14.64	Reconciled
371771	06-OCT-16	RESOLUTE CONTACTORS, INC	71.47	17-OCT-16	71.47	Reconciled
371772	06-OCT-16	RHEE, BONNY	141.23	17-OCT-16	141.23	Reconciled
371773		RHEE, GINA	242.69	11-OCT-16		Reconciled
TRWD Ledger		Payment Register	For 01-OCT-16 To	31-OCT-16	Report Date: 01-	NOV-2016 14:14
BANK: Bank of America N A	Branc	h · Los Angeles	Account: Check	ing AP and PR	Page:	8
Bank Account Currency	· HSD / HS F	h : Los Angeles collar)	Payment Curr	ency: USD (U	S Dollar)	
Payment Type: All	. 000 (00 1	oriar ,	isplay Supplier Add	ress: No		
tayment Type, nit						
				Cleared		
Payment Number Sequence Nu	m Date	Supplier Name Site	Payment Amount	Date	Cleared Amount	
Payment Document : IRWD C	HECK					
371774	06-OCT-16	RICK MATYAS AND	11.21	24-OCT-16	11.21	Reconciled
		RICHARD W MATYAS				
371775	06-OCT-16	RICO, THOMAS M	15,36			Negotiable
371776		RIGGS, LESLIE	21,16			Negotiable
371777		RINCON TRUCK	695,19	11-OCT-16	695.19	Reconciled
		CENTER INC.				
371778	06-OCT-16	RING, CHRISTY	23.72	11-OCT-16	23,72	Reconciled
371779	06-OCT-16	RITEWAY AUTO PAINT	10,546.19	11-OCT-16	10,546.19	Reconciled
371780	06-0CT-16	RIVERA, EDNA	31,68			Negotiable
371781		RODRIGUEZ, MARIA G	26.77	14-OCT-16	26.77	
371761						Keconcilea
					16.25	Reconciled Reconciled
	06-OCT-16	ROGERS, TYANDRA	16,25	17-OCT-16	16,25	Reconciled
371783	06-OCT-16 06-OCT-16	ROGERS, TYANDRA ROMERO, FERNANDO	16.25 14.14		16,25	Reconciled Negotiable
371784	06-OCT-16 06-OCT-16	ROGERS, TYANDRA ROMERO, FERNANDO ROSS, WILLIAM	16,25 14,14 22,73		16.25	Reconciled Negotiable Negotiable
371784 371785	06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16	ROGERS, TYANDRA ROMERO, FERNANDO ROSS, WILLIAM ROTHMAN, KENNETH	16.25 14.14 22.73 26.68	17-OCT-16		Reconciled Negotiable Negotiable Negotiable
371784	06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16	ROGERS, TYANDRA ROMERO, FERNANDO ROSS, WILLIAM ROTHMAN, KENNETH	16.25 14.14 22.73 26.68 1,258.21	17-OCT-16	1,258.21	Reconciled Negotiable Negotiable Negotiable Reconciled
371784 371785	06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16	ROGERS, TYANDRA ROMERO, FERNANDO ROSS, WILLIAM ROTHMAN, KENNETH RS HUGHES COMPANY,	16.25 14.14 22.73 26.68 1,258.21	17-OCT-16		Reconciled Negotiable Negotiable Negotiable Reconciled
371784 371785 371786	06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16	ROGERS, TYANDRA ROMERO, FERNANDO ROSS, WILLIAM ROTHMAN, KENNETH RS HUGHES COMPANY, INC.	16.25 14.14 22.73 26.68 1,258.21 34.89 13.73	17-OCT-16 13-OCT-16 31-OCT-16	1,258.21	Reconciled Negotiable Negotiable Negotiable Reconciled Reconciled Negotiable
371784 371785 371786 371787	06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16	ROGERS, TYANDRA ROMERO, FERNANDO ROSS, WILLIAM ROTHMAN, KENNETH RS HUGHES COMPANY, INC. RUBIN, BRIAN	16,25 14,14 22,73 26,68 1,258,21 34,89 13,73 19,59	17-OCT-16 13-OCT-16 31-OCT-16 27-OCT-16	1,258.21 34.89 19.59	Reconciled Negotiable Negotiable Negotiable Reconciled Reconciled Negotiable Reconciled
371784 371785 371786 371787 371788 371788	06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16	ROGERS, TYANDRA ROMERO, EERNANDO ROSS, WILLIAM ROTHMAN, KENNETH RS HUGHES COMPANY, INC. RUBIN, BRIAN RUDD, ASHLEY	16.25 14.14 22.73 26.68 1,258.21 34.89 13.73	17-OCT-16 13-OCT-16 31-OCT-16	1,258.21	Reconciled Negotiable Negotiable Negotiable Reconciled Reconciled Negotiable
371784 371785 371786 371787 371788	06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16	ROGERS, TYANDRA ROMERO, FERNANDO ROSS, WILLIAM ROTHMAN, KENNETH RS HUGHES COMPANY, INC. RUBIN, BRIAN RUDD, ASHLEY RUIZ, JACK RVP REALTY SANTA ANA BLUE	16,25 14,14 22,73 26,68 1,258,21 34,89 13,73 19,59	17-OCT-16 13-OCT-16 31-OCT-16 27-OCT-16	1,258.21 34.89 19.59	Reconciled Negotiable Negotiable Negotiable Reconciled Reconciled Negotiable Reconciled
371784 371785 371786 371787 371788 371789 371790 371791	06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16	ROGERS, TYANDRA ROMERO, EERNANDO ROSS, WILLIAM ROTHMAN, KENNETH RS HUGHES COMPANY, INC. RUBIN, BRIAN RUDD, ASHLEY RUIZ, JACK RVP REALTY SANTA ANA BLUE PRINT	16.25 14.14 22.73 26.68 1,258.21 34.89 13.73 19.59 32.53 465.07	17-OCT-16 13-OCT-16 31-OCT-16 27-OCT-16 11-OCT-16 12-OCT-16	1,258.21 34.89 19.59 32.53 465.07	Reconciled Negotiable Negotiable Negotiable Reconciled Reconciled Reconciled Reconciled Reconciled
371784 371785 371786 371787 371788 371789 371790	06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16 06-OCT-16	ROGERS, TYANDRA ROMERO, FERNANDO ROSS, WILLIAM ROTHMAN, KENNETH RS HUGHES COMPANY, INC. RUBIN, BRIAN RUDD, ASHLEY RUIZ, JACK RVP REALTY SANTA ANA BLUE PRINT	16.25 14.14 22.73 26.68 1,258.21 34.89 13.73 19.59 32.53	17-OCT-16 13-OCT-16 31-OCT-16 27-OCT-16 11-OCT-16 12-OCT-16	1,258.21 34.89 19.59 32.53	Reconciled Negotiable Negotiable Negotiable Reconciled Reconciled Reconciled Reconciled

SOHAIL, SIMJEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT Report Date: 01-NOV-2016 14:14 Payment Register For 01-OCT-16 To 31-OCT-16 IRWD Ledger
BANK: Bank of America N.A. Account: Checking AP and PR Page: Payment Currency: USD (US Dollar) Branch : Los Angeles Bank Account Currency: USD (US Dollar) Display Supplier Address: No Payment Type: All

SAVANT CONSTRUCTION INC

SECURTEC DISTRICT

PATROL, INC. SHAMROCK SUPPLY CO

SHEA/BAKER RANCH

ASSOCIATES, LLC SHEA/BAKER RANCH

ASSOCIATES, LLC

SIJMAY SOLUTIONS

SILVERIA, KAREN SINGH, KULDIP SMALL, BENJAMIN SNYDER LANGSTON SOFTWAREONE INC

INC

INC.

06-OCT-16

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371798

371800 371801

371803

371804

371805

30.41

997.35

249.13

634.25

60.98

18.10 92.48 12.62

53.71 1,615.70

20.95 479.21

10,700.00

24-OCT-16

17-OCT-16

11-OCT-16

25-OCT-16

17-OCT-16

12-OCT-16

13-OCT-16 12-OCT-16 14-OCT-16

30.41

997.35

634,25

18.10

53.71 1,615.70 20.95

10,700,00

Reconciled

Reconciled

Reconciled

Negotiable

Reconciled

Negotiable

Reconciled

Negotiable

Negotiable

Reconciled

Reconciled Reconciled

*******	r Sequence Num Date ument : IRWD CHECK		Site	Payment Amount	Cleared Date	Cleared Amount	Status
371806	06-OCT-16	SOUTH COAST ANSWERING SERVICE		632.28	11-OCT-16	632.28	Reconciled
371807	06-OCT-16	SOUTHERN CALIFORNIA EDISON COMPANY		557,951.14	11-OCT-16	557,951.14	Reconciled
371808	06-OCT-16	SPICER, EVAN		21,47	12-OCT-16	21.47	Reconciled
371809	06-OCT-16	STANTEC CONSULTING SERVICES INC.		7,241.50	11-OCT-16	7,241.50	Reconciled

371810	06-OCT-16	STERIS CORPORATION	4,152.00	11-OCT-16	4,152.00	Reconciled
371811	06-OCT-16	STEVE DAVIDSON	14.81	19-OCT-16	14.81	Reconciled
		CONSTRUCTION, INC.				
371812	06-OCT-16	STOWERS, LAKEYA	13.63	17-OCT-16	13.63	Reconciled
371813	06-OCT-16	STRIETBECK, SHAWN	21.74	21-OCT-16	21.74	Reconciled
371814	06-OCT-16	SU, CELIA	17,57			Negotiable
371815	06-OCT-16	SULLY MILLER	33.59	13-OCT-16	33,59	Reconciled
		CONTRACTING CO				
371816	06-OCT-16	SUMMERTIME, INC	15.74	13-OCT-16	15.74	Reconciled
371817	06-OCT-16	SUN, ROBERT N	13.45	25-OCT-16	13.45	Reconciled
371818	06-OCT-16	SUNSHINE SUPPLY	2,741.04	12-OCT-16	2,741.04	Reconciled
		COMPANY, INC.				
371819	06-OCT-16	SUNSTATE EQUIPMENT	1,806.96	11-OCT-16	1,806.96	Reconciled
		CO				
371820		SUSAN A. SIROTA	4,295.00	11-OCT-16	4,295.00	Reconciled
371821		SWANSON, ADAM	16,48	17-OCT-16	16.48	Reconciled
371822	06-OCT-16	TESTAMERICA	295,15	11-OCT-16	295,15	Reconciled
		LABORATORIES, INC				
371823	06-OCT-16	THE NEW HOME	1,992.26	27-OCT-16	1,992.26	Reconciled
		COMPANY	44.000.44		14 727 14	D (1.1.)
371824	06-OCT-16	THE PARK @	14,737.14	21-OCT-16	14,737.14	Reconciled
		SPECTRUM				
		APARTMENTS	250.00	11 000 16	359.28	Reconciled
371825	06-OCT-16	THYSSENKRUPP	359.28	11-OCT-16	339.28	Reconciled
		ELEVATOR				
	0.5 0.00 1.5	CORPORATION	35,176,00	13-OCT-16	35,176,00	Reconciled
371826	06-0CT-16	TRI COUNTY PUMP	35,176,00	12-001-10	35,176,00	Recollectied
271007	06 000 16	TROPICAL PLAZA	67,840.24	12-OCT-16	67,840.24	Reconciled
371827	06-001-16	NURSERY INC	07,040.24	12 001 10	07,010.21	Reconciled
371828	06-OCT-16		3,071.46	17-OCT-16	3,071,46	Reconciled
371829		UNDERGROUND	1,027.50	18-OCT-16	1,027.50	Reconciled
3/1829	06-001-16	SERVICE ALERT OF	17027.50	10 001 10	1,027.50	RECONCILED
		SOUTHERN				
		CALIFORNIA				
371830	06-0CT-16	UNITED STATES POST	25,000,00	14-OCT-16	25,000.00	Reconciled
371030	00 001 10	OFFICE	20/000/00	1, 001 10	20,000,00	110001101104
371831	06-0CT-16	URS CORPORATION	83,287,22	13-OCT-16	83,287.22	Reconciled
IRWD Ledger	00 001 10	Payment Register For				
	Branc	th : Los Angeles	Account: Check			10
Bank Account Currency:				ency: USD (U		
Payment Type: All	55D (00 L		lay Supplier Add			
raymont Type, arr		Diop.				

	Sequence Num Date	Supplier Name Site			Cleared Amount	Status
	nent : IRWD CHECK					5.77.77.
371832	06-OCT-16	UTILITY SYSTEMS SCIENCE & SOFTWARE INC.	3,825.00	12-OCT-16	3,825.00	Reconciled
371833	06-OCT-16	VERIZON WIRELESS SERVICES LLC	9,603.33	13-OCT-16	9,603,33	Reconciled
371834	06-0CT-16	VRIDE INC	8,693.00	11-OCT-16	8,693.00	Reconciled
371835		VWR INTERNATIONAL,	1,016.64	12-OCT-16	1,016.64	Reconciled
371836	06-OCT-16	WALTERS WHOLESALE ELECTRIC	929.36	11-OCT-16	929,36	Reconciled
371837	06-OCT-16	WASANO, ANTHONY	90.89	17-OCT-16	90.89	Reconciled
371838		WASTE MANAGEMENT OF ORANGE COUNTY	2,361.32	11-OCT-16	2,361.32	Reconciled
371839	06-OCT-16	WATERWISE CONSULTING, INC.	703.00	11-OCT-16	703,00	Reconciled
371840	06-OCT-16		1,189.77	13-OCT-16	1,189.77	Reconciled
371841	06-OCT-16	WECK LABORATORIES INC	115.00	13-OCT-16	115.00	Reconciled
371842	06-OCT-16	WELLS TAPPING SERVICE INC	350.00	17-OCT-16	350.00	Reconciled
371843	06-OCT-16	WEST COAST SAND & GRAVEL INC.	555.50	12-OCT-16	555,50	Reconciled
371844	06-OCT-16	WESTAMERICA COMMUNICATIONS, INC.	3,631.26	11-OCT-16	3,631.26	Reconciled
371845	06-OCT-16	WESTERN AV	2,341,98	11-OCT-16	2,341.98	Reconciled
371846		WESTERN NATIONAL CONTRACTORS	242.99			Negotiable
371847	06-OCT-16	WESTERN SAFETY PRODUCTS INC	8,019.87	12-OCT-16	8,019.87	Reconciled
371848	06-OCT-16		516.00	13-OCT-16	516.00	Reconciled
371849	06-OCT-16	WOLTERS KLUWER LAW & BUSINESS	324.32	12-OCT-16	324,32	Reconciled
371850	06-OCT-16	WOODRUFF, SPRADLIN & SMART APC	349.50	12-OCT-16	349.50	Reconciled
371851	13-0CT-16	Clary, Cheryl L	7.02			Negotiable
371852		Garcia, Dorys Elizabeth	2,627.09			Negotiable
371853	13-OCT-16	Fike, Ethan O (Ethan)	208.86	17-OCT-16	208.86	Reconciled
371854	13-OCT-16	Pan, Jenny W (Jenny)	232.25	17-OCT-16	232,25	Reconciled
371855	13-OCT-16	Arce, Jesus	621,60	20-OCT-16	621,60	Reconciled
IRWD Ledger		Payment Register	For 01-0CT-16 To	31-OCT-16	Report Date: 01	-NOV-2016 14:1

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

Account: Checking AP and PR Pag Payment Currency: USD (US Dollar) Display Supplier Address: No Page: 11

Cleared

Payment Number	Sequence Num Date	Supplier Name	Site Payment Amount	Cleared Date	Cleared Amount	Status
*****	ent : IRWD CHECK				******	
371856		Oldewage, Lars D	125.00	17-OCT-16	125.00	Reconciled
371857	13=OCT-16	(Lars) Vazquez, Rafael	150,32	19-OCT-16	150.32	Reconciled
371858		A AND Y COMPANY	23,777.00	20-OCT-16	23,777.00	Reconciled
371859	13-OCT-16	INC A.J. KLEIN, INC. T. DENATALE, B. GOLDNER	140,00	17-OCT-16	140.00	Reconciled
371860		AIMTD LLC	1,344.00	21-OCT-16	1,344.00	Reconciled
371861 371862		ALDAJARI, ALI ALEXANDER'S	17.82 112,184.54	14-OCT-16 19-OCT-16	17.82 112,184.54	Reconciled Reconciled
3/1002		CONTRACT SERVICES, INC.				
371863	13-OCT-16	AMERICAN INTREGRATED SERVICES	798,77	18-OCT-16	798,77	Reconciled
371864		APCO GRAPHICS INC	241.50	17-OCT-16	241.50	Reconciled Reconciled
371865		AQUA BEN CORPORATION	33,248.88	19-OCT-16	33,248.88	
371866	13-OCT-16	AQUA-METRIC SALES COMPANY	9,447,14	18-OCT-16	9,447.14	Reconciled
371867 371868		ARCADIS U.S., INC. ARIZONA INSTRUMENT		21-OCT-16 18-OCT-16	65,274.97 907.00	Reconciled Reconciled
371869	13-OCT-16	LLC ARIZONA PIPELINE COMPANY	806,46	27-OCT-16	806.46	Reconciled
371870	13-OCT-16	AT&T	5,353.37	18-OCT-16	5,353.37	Reconciled
371871 371872	13-OCT-16 13-OCT-16	AT&T AUTOZONE PARTS,	539,99 215,98	17-OCT-16 18-OCT-16	539.99 215.98	Reconciled Reconciled
371873	13-OCT-16	INC. BANK OF NEW YORK MELLON TRUST	1,360.00	20-OCT-16	1,360.00	Reconciled
371874	13-OCT-16	COMPANY NA BASSETT BUILDING	844.77	17-OCT-16	844.77	Reconciled
371875	13-OCT-16	INC BEE EMERGENCY	175,00	18-OCT-16	175,00	Reconciled
371876 371877		RESPONSE TEAM BEJOTTE, THERESE BELL TOWER FLORIST	457,75 99,35	27-OCT-16	457.75	Reconciled Negotiable
371878	13-OCT-16	& GIFTS BERNELL	5,048.95	17-OCT-16	5,048.95	Reconciled
371879		HYDRAULICS, INC. BHALLA, GUNINDER	68.25	24-OCT-16	68,25	Reconciled
371880	13-OCT-16	BIGWIG MONSTER, LLC	1,800.00	14-OCT-16	1,800.00	Reconciled
	America N.A. Bran bunt Currency: USD (US Type: All	ch : Los Angeles	Register For 01-OCT-16 To Account: Check Payment Curr Display Supplier Add	ing AP and PI ency: USD (
Payment Number	Sequence Num Date	Supplier Name	Site Payment Amount	Cleared Date	Cleared Amount	Status
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371881		BOWIE, ARNESON,	23,240.83	27-OCT-16	23,240.83	Reconciled
371882	13_OCT-16	WILES & GIANNONE BOYD & ASSOCIATES	396,00	18-OCT-16	396.00	Reconciled
371883		BSI SERVICES AND SOLUTIONS (WEST),	25,037.13	19-OCT-16	25,037.13	Reconciled
371884	13-OCT-16	INC. C WELLS PIPELINE	106,142,40	25-OCT-16	106,142.40	Reconciled
371885	13-OCT-16	MATERIALS INC CALIFORNIA BARRICADE RENTAL,	910.00	17-OCT-16	910,00	Reconciled
371886	13-OCT-16	INC. CALIFORNIA MUNICIPAL UTILITIES	9,717.00	25-OCT-16	9,717.00	Reconciled
371887	13-OCT-16	ASSOCIATION CANON FINANCIAL SERVICES, INC	402.84	17-OCT-16	402.84	Reconciled
371888 371889		CHAE, EUN JIN CHARLES P CROWLEY	16.33 3,761.52	18-OCT-16 18-OCT-16	16.33 3,761.52	Reconciled Reconciled
371890		COMPANY INC CITY OF IRVINE	8,212.20	20-OCT-16	8,212.20	Reconciled
371891 371892		CLA-VAL COMPANY CLEANTECH OC	1,998.99 2,000.00	14-OCT-16 14-OCT-16	1,998.99 2,000.00	Reconciled Reconciled
371892		CLEANTECH	952.06	17-OCT-16	952.06	Reconciled
371894 371895		SERVICES, LLC CLEARINGHOUSE COASTLINE	477.67 265.65	17-OCT-16 20-OCT-16	477.67 265.65	Reconciled Reconciled
		EQUIPMENT COMPANY				

14,784.88 20-OCT-16

14,784.88 Reconciled

EQUIPMENT COMPANY
13-OCT-16 CONTROL

371896

			#PGUNOLOGI PG					
371897 371898		13-OCT-16 13-OCT-16	TECHNOLOGIES CORELOGIC INC		495.00 133.39	17-OCT-16 17-OCT-16		Reconciled Reconciled
371899			INCORPORATED CROWDER, JUSTIN		31.52		31.52 6,000.00	
371900			CURT PRINGLE AND ASSOCIATES		6,000.00	19-OCT-16	6,000.00	Reconciled
371901		13-OCT-16	D & G SIGNS		3,122,44 8,493.57	18-OCT-16 17-OCT-16		
371902 371903		13-OCT-16 13-OCT-16	DELL MARKETING LP DEX MEDIA INC.		77.25	20-OCT-16		
371904		13~OCT-16	DIEP, TITI		266.14	25-OCT-16	FOF 00	
371905 371906		13-OCT-16 13-OCT-16	DRAEGER, INC. E.J. MEYER		525.82 64,782.92	17-OCT-16 20-OCT-16	525. 82 64,782. 92	
371907		13-OCT-16	COMPANY, INC. E.J. MEYER COMPANY, INC.		3,409.62	18-OCT-16	3,409.62	Reconciled
IRWD Ledger				Register	For 01-OCT-16 To	31-OCT-16	Report Date: 01	-NOV-2016 14:14
BANK: Bank Of F Bank Accou Payment	merica N.A. int Currency: Type: All	USD (US I	Payment : ch : Los Angeles Dollar)	Di	Payment Curre splay Supplier Add	ency: USD ((US Dollar)	13
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371908			EAGLE PRINT DYNAMICS			17-OCT-16		
371909		13-OCT-16	EI&C ENGINEERING INC			20-OCT-16		Reconciled
371910			EMPLOYEE BENEFIT SPECIALIST, INC		,	17-OCT-16	ii.	Reconciled
371911		13-OCT-16	ENDRESS AND HAUSER INC		6,085.00			Reconciled
371912			EQUISTAR IRVINE CO		20.64	21-OCT-16	20.64	Reconciled
371913 371914			ESTES, CHERYL EXECUTIVE LIGHTING		20.64 1,075.70 1,799.10	18-OCT-16	20.64 1,075.70 1,799.10	Reconciled Reconciled
371915		13-OCT-16	& ELECTRIC FEDEX			19-OCT-16		Reconciled
371916		13-OCT-16	FERGUSON ENTERPRISES, INC.		10,130.40			Reconciled
371917		13-OCT-16	FITCH RATINGS, INC.		75,000.00	24-OCT-16	75,000.00	Reconciled
371918		13-OCT-16	FLEET SOLUTIONS LLC		4,570.70	18-OCT-16	4,570.70	Reconciled
371919 371920			FONG, BRYANT FORREST CARTER		72,85 400.00	18-OCT-16	400.00	Negotiable Reconciled
371921		13-OCT-16	GIBBS OSBORNE FRONTIER		51,43	17-OCT-16	51.43	Reconciled
371922		13-OCT-16	CALIFORNIA INC. GLADWELL		250,00	18-OCT-16	250.00	Reconciled
			GOVERNMENTAL SERVICES, INC.					
371923 371924			GRAINGER GREAT PACIFIC		3,072.71 4,250.00	17-OCT-16 17-OCT-16		Reconciled Reconciled
			EQUIPMENT INC HARRISON, SHAY			20-OCT-16	,	Reconciled
371925			LYNN					Reconciled
371926		13-OCT-16	HELPMATES STAFFING SERVICES				2,519.22	
371927		13-OCT-16	HILL BROTHERS CHEMICAL COMPANY		,	19-OCT-16		Reconciled
371928 371929		13-OCT-16 13-OCT-16	HOME DEPOT USA INC			21-OCT-16 17-OCT-16		Reconciled Reconciled
371939			IBM CORPORATION		254.00	17-OCT-16	254.00	Reconciled
371931		13-OCT-16	INDUSTRIAL ELECTRIC MACHINERY		543.28	18-OCT-16	543.28	Reconciled
371932		13-OCT-16	LLC INDUSTRIAL METAL		204.03	19-OCT-16	204.03	Reconciled
IRWD Ledger			SUPPLY CO Payment	Register	For 01-0CT-16 To	31-OCT-16	Report Date: 01	-NOV-2016 14:14
Bank Accor	America N.A. unt Currency: Type: All		ch : Los Angeles Dollar)			ency: USD	PR Page: (US Dollar)	14
						Cleared		
Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Date	Cleared Amount	Status
Payment Docume								
371933		13-OCT-16	IRVINE COMMUNITY DEVELOPMENT		2,309.80	21-OCT-16	2,309.80	Reconciled
371934		13-OCT-16	COMPANY LLC IRVINE PIPE &		4,537.43	14-OCT-16	4,537.43	Reconciled
371935		13-OCT-16	SUPPLY INC IRVINE UNIFIED		1,260.05	20-OCT-16	1,260.05	Reconciled
371936		13-OCT-16	SCHOOL DISTRICT IRWD EMPLOYEE		760.00	14-OCT-16	760.00	Reconciled
371937			ASSOCIATION IRWD-PETTY CASH		1,344.36	14-OCT-16	1,344.36	Reconciled
371938		13-OCT-16	CUSTODIAN J.M.P. ELECTRONICS		7,75	17-OCT-16		Reconciled
371939			JCI JONES		2,380.22	17-OCT-16	2,380.22	Reconciled

		CHEMICALS INC				
371940	13-OCT-16	JOHNSON MACHINERY	357.73	17-OCT-16	357.73	Reconciled
		co.				
371941	13-OCT-16	KAESER	9,381.29	17-OCT-16	9,381.29	Reconciled
		COMPRESSORS, INC.				
371942	13-OCT-16	KAZARIANS &	1,921.29	19-OCT-16	1,921.29	Reconciled
		ASSOCIATES, INC.	75.40			
371943	13-OCT-16	KELLEY BLUE BOOK,	75.60	17-OCT-16	75,60	Reconciled
371944	13-007-16	INC. KENT & AMY	897,60	20-OCT-16	897.60	Reconciled
371344	13-001-10	DAHLBERG	057.00	20 001 10	037,00	Reconciled
371945	13-0CT-16	KERN COUNTY	35,055.44	20-OCT-16	35,055.44	Reconciled
		TREASURER TAX				
		COLLECTOR				
371946	13-OCT-16	KILLINGSWORTH,	15,65			Negotiable
		VICKI A				
371947		KIM, BYUNG	38,38	28-OCT-16		
371948		KLEINFELDER, INC.	19,284.82	21-OCT-16	19,284.82	Reconciled
371949		KOTA, SAROJINI	42,64			Negotiable
371950	13-OCT-16	LANDCARE HOLDINGS,	69,420.00	20-OCT-16	69,420.00	Reconciled
371951	13 OCT 16	INC. LEE & RO, INC.	55,371.35			Negotiable
371951		LEWIS BRISBOIS	1,640.00	19-OCT-16	1,640.00	
371932	13-001-10	BISGAARD AND	1,040.00	19-001-10	1,040.00	Vecoucited
		SMITH, LLP				
371953	13-OCT-16	LIN, RICHARD	28.64	14-OCT-16	28.64	Reconciled
371954		LIU, YVONNE	12.17	17-OCT-16	12.17	Reconciled
371955	13-OCT-16	MARGOLIES, JEFF	28.55	19-OCT-16	20.55	Reconciled
371956	13-OCT-16	MARINA LANDSCAPE	6,152.82	17-OCT-16	6,152.82	Reconciled
		MAINTENANCE, INC.				
371957	13-OCT-16	MC MASTER CARR	2,941.38	17-OCT-16	2,941.38	Reconciled
		SUPPLY CO				
371958	13-OCT-16	MCBRIDE, CHARON		18-OCT-16		Reconciled
IRWD Ledger	D		gister For 01-OCT-16 To			
BANK: Bank of America N.A.			Account: Checki	ency; USD (U		.5
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Payment Number Sequence		Supplier Name Site	Payment Amount		Cleared Amount	Status
Payment Document : I						1302100
371959	13-OCT-16	MICHAEL BAKER INTERNATIONAL, INC.	240,00	17-OCT-16	240.00	Reconciled
371960	13-OCT-16	NALCO CAL WATER, LLC	240.00	17-OCT-16	240,00	Reconciled
371961	13-OCT-16	NATIONAL READY MIXED CONCRETE CO.	540,00	17-OCT-16	540.00	Reconciled
371962	13-OCT-16	NATURALWELL, LLC	1,347.50	17-OCT-16	1,347.50	Reconciled
371963		NEAR-CAL CORP.	827.08	25-OCT-16	827.08	Reconciled
371964		NEWPORT WINDOW MAINTENANCE INC	255.00	25-OCT-16	255.00	Reconciled
371965	13-OCT-16	NORMAN A. OLSSON CONSTRUCTION, INC.	181,805.30	20-OCT-16	181,805.30	Reconciled
371966	13-OCT-16	NOSSAMAN LLP	14,472,00	19-OCT-16	14,472.00	Reconciled
371967	13-OCT-16	NOVACOAST INC	900.00	17-OCT-16	900,00	Reconciled
371968	13-OCT-16	OLIN CORPORATION	2,848,56	17-OCT-16	2,848.56	Reconciled
371969	13-OCT-16	ON ASSIGNMENT LAB SUPPORT	1,190.00	17-OCT-16	1,190.00	Reconciled
371970	13-OCT-16	ORANGE COUNTY AUTO PARTS CO	320,61	14-OCT-16	320.61	Reconciled
371971	13-OCT-16	ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT	1,514.81	21-OCT-16	1,514.81	Reconciled
371972	13-OCT-16	ORANGE COUNTY SHERIFF'S OFFICE	62.50	27-OCT-16	62,50	Reconciled
371973	13-OCT-16		4,800.00	18-OCT-16	4,800.00	Reconciled
371974	13-OCT-16	PACIFIC COAST BOLT	118.78	18-OCT-16	118,78	Reconciled
371975	13-OCT-16	PACIFIC EH&S SERVICES, INC.	510,00	18-OCT-16	510.00	Reconciled
371976	13-OCT-16	PAPER DEPOT DOCUMENT DESTRUCTION LLC	720.00	21-OCT-16	720.00	Reconciled
371977	13-OCT-16	PARKHOUSE TIRE INC	4,034.57	18-OCT-16	4,034.57	Reconciled
371978	13-OCT-16	PAULUS ENGINEERING INC	23,674.76	19-OCT-16	23,674.76	Reconciled
371979	13-OCT-16	PERS LONG TERM CARE	900.58			Negotiable
371980	13-OCT-16	PRAXAIR DISTRIBUTION INC	4,378.97	20-OCT-16	4,378.97	Reconciled
371981	13-OCT-16	PRO MOBILE AUTO DETAILING	400.00	18-OCT-16	400,00	Reconciled
371982	13-OCT-16	PUBLIC FINANCIAL MANAGEMENT, INC.	1,800.00	17-OCT-16	1,800.00	Reconciled
371983	13-OCT-16	PYUN, JOHN	701,88			Negotiable
IRWD Ledger			er For 01-OCT-16 To	31-OCT-16	Report Date: 01-	
BANK: Bank of America	N.A. Branc	h : Los Angeles	Account: Check			16
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13-0CT-16 MA AIR 3,172-19 18-0CT-16 4,479 Recomposition 13-0CT-16 MA AIR 13-0CT-16 14-0CT-16	371984	13-OCT-16		357,36	19-OCT-16	357,36	Reconciled
13-007-16 BANCHO ALISEALAPTS 1.47 19-007-16 1.487 Reconcilists 1.47 19-007-16 1.47 Reconcilists 1.47 19-007-16 1.47 Reconcilists 1.47 19-007-16 1.47	371985	13-OCT-16	RAM AIR	3,172.19	18-OCT-16	3,172.19	Reconciled
13-007-16 ARCYCLE DESIGN INC 739.00 27-007-16 739.00 80-007-16 739.00 13-007-16 739.00 13-007-16 739.00 13-007-16 739.00 13-007-16 739.00 13-007-16 739.00 7			RANCHO ALISAL APTS RANCHO MADERAS				Reconciled Reconciled
13-007-16 NETHICEMENT 3,03.87 14-007-16 3,03.87 Recommon SUPPLIZED Response SUPPLIZED Recommon SUPPLIZED RECOMPON SUPPLIZED	371988	13-OCT-16		730,00	17-OCT-16		Reconciled
			REFRIGERATION SUPPLIES				Reconciled Reconciled
			RESTEK CORPORATION		17-OCT-16	1,050,25	Reconciled
171936			RINCON TRUCK		14-OCT-16	1,185.73	Reconciled
173996 13-0CT-16 RYAN HERCO 1,016.25 17-0CT-16 1,016.25 Reconcident 1,016.25 R	71994		RINGCLEAR LLC				Reconciled
PRODUCTS CORP 13-0CT-16 S. 2 UNIPLY CO							Reconciled Reconciled
11-998 13-0CT-16 SAFECHECKS 1,527,02 18-0CT-16 1,527,02 Reconciling		13-OCT-16		12,130.56	19-OCT-16	12,130.56	Reconciled
17999			INC	1-527-02	18-0CT-16	1.527.02	Reconciled
13-0CT-16 SCHAFFR, JIM 31.49 MegaCti 72002 13-0CT-16 SCHAFFR, JIM 31.49 MegaCti 72003 13-0CT-16 SCHAFFR, JIM 7.70	71999	13-OCT-16	SANDERS PAVING INC SANTA ANA BLUE	19,223.00	20-OCT-16	19,223.00	Reconciled Reconciled
ASSOCIATES, LLC 172004 13-OCT-16 SITUFRENDO 253,63 17-OCT-16 253,63 Reconc. 172005 13-OCT-16 SITUFRENDO 562,46 17-OCT-16 562,46 Reconc. 172006 13-OCT-16 SITUFRENDO 13-OCT-16 SITURIN MARKER 172007 13-OCT-16 SITURIN MARKER 172008 13-OCT-16 SOUTH COAST WATER 40,00 17-OCT-16 2,333,36 Reconc. 172009 13-OCT-16 SOUTH COAST WATER 40,00 17-OCT-16 40,00 Reconc. 172009 13-OCT-16 SOUTH COAST WATER 40,00 17-OCT-16 2,456,00 Reconc. 172010 13-OCT-16 SOUTH COAST WATER 40,00 17-OCT-16 40,00 Reconc. 172010 13-OCT-16 SOUTH COAST WATER 40,00 17-OCT-16 40,00 Reconc. 172010 13-OCT-16 SOUTH COAST WATER 50,00 Reconc. 172011 13-OCT-16 SOUTH COAST WATER 50,00 Reconc. 172012 CALIFORNIA EDISON CAL			SCHAFER, JIM SHAMROCK SUPPLY CO		17-OCT-16	288,88	Negotiable Reconciled
13-00T-16 SILVERWOOD 253.63 17-00T-16 253.63 Reconc.	372003	13-OCT-16	SHEA/BAKER RANCH	17,71			Negotiable
NECODE 13-OCT-16 SIMI VALLEY 562,46 17-OCT-16 562,46 Reconc. NECODE NECODE RECOVER RECOVER RECOVER NECODE RECOVER RECOVER RECOVER NECODE RECOVER RECOVER RECOVER NECODE RECOVER RECOVER RECOVER NECODE RECOVER RECOVER RECOVER NECODE RECOVER RECOVER RECOVER RECOVER NECODE RECOVER RECOVER RECOVER RECOVER RECOVER NECODE RECOVER RECOVER RECOVER RECOVER RECOVER RECOVER NECODE RECOVER	372004	13-OCT-16	SILVERWOOD	253.63	17-OCT-16	253.63	Reconciled
13-0CT-16 SITEONE LANDSCAFE 494.29 18-0CT-16 494.29 Reconc. 172007 13-0CT-16 SITEONE LANDSCAFE 494.29 18-0CT-16 494.29 Reconc. 172007 13-0CT-16 SUPPLY, LLC SUPPLY, LL	372005	13-OCT-16	SIMI VALLEY LANDFILL AND	562,46	17-OCT-16	562.46	Reconcile
13-0CT-16 SITMATIC 2,333.36 17-0CT-16 2,333.36 18-0CT-16 40.00 Reconc.	72006	13-OCT-16	SITEONE LANDSCAPE	494.29	18-OCT-16	494.29	Reconcile
13-0CT-16 SOUTH COAST WATER DISTRICT 14,809.48 14-0CT-16 2,456.00 Reconc.			SITMATIC SOUTH COAST WATER				Reconcile Reconcile
Table Tabl	72009	13-OCT-16	SOUTH COAST WATER	2,456.00	17-OCT-16	2,456.00	Reconcile
No. Ledger	72010	13-OCT-16	SOUTHERN CALIFORNIA EDISON	14,809.48	14-OCT-16	14,809.48	Reconcile
Payment Number Sequence Num Date Supplier Name Site Payment Amount Date Cleared Amount State Cleared Amount State Payment Document Sequence Num Date Supplier Name Site Payment Amount Date Cleared Amount State Sequence Num Date Sequence Num State Sequence Num Date Sequence Num Date Sequence Num Seque	ANK: Bank of Am Bank Accoun	t Currency: USD (US D	ch : Los Angeles				-NOV-2016 1
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INSTRUMENTS LIC INSTRUMENT		equence Num Date	Supplier Name	Payment Curr Display Supplier Add	ency: USD (ress: No	US Dollar) Cleared Amount	
372012 13-OCT-16 SPX CORP 1,920.31 17-OCT-16 1,920.31 Reconc.		equence Num Date	Supplier Name	Payment Curr Display Supplier Add	ency: USD (ress: No	US Dollar) Cleared Amount	Stat
13-OCT-16 STERIS CORPORATION 1,899.19 17-OCT-16 1,899.19 Reconct 372015 372015 372016 31-OCT-16 SUBZ TREATMENT 29,522.58 21-OCT-16 29,522.58 Reconct SOUDTIONS INC. 372016 31-OCT-16 SUNSET INDUSTRIAL 2,016.51 17-OCT-16 2,016.51 Reconct 7ARTS 7372018 13-OCT-16 TAKAHASHI, SHIN 19.19 19.19 Negotian 13-OCT-16 TESTAMERICA 52.50 17-OCT-16 52.50 Reconct 13-OCT-16 TESTAMERICA 52.50 17-OCT-16 52.50 Reconct 13-OCT-16 TESTAMERICA 39.76 Negotian 13-OCT-16 THE F. GASPORRA 39.76 Negotian 13-OCT-16 THE F. GASPORRA 39.76 Negotian 13-OCT-16 THE GAS COMPANY 552.06 17-OCT-16 552.06 Reconct 10.00 13-OCT-16 THE GAS COMPANY 552.06 17-OCT-16 552.06 Reconct 13-OCT-16 THE NEW HOME 2,807.86 27-OCT-16 2,807.86 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 4,910.10 Reconct 372025 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 4,910.10 Reconct 372026 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 4,910.10 Reconct 372026 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 4,910.10 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 4,910.10 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 4,910.10 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 4,910.10 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 4,910.10 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 5,70.94 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 5,70.94 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 5,70.94 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 5,70.94 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 5,70.94 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 5,70.94 Reconct 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 5,70.94 Reconct 13-OCT-16 THOMAS HARD	Payment Documen	equence Num Date	Supplier Name	Payment Curr Display Supplier Add	ency: USD (ress: No Cleared Date	US Dollar) Cleared Amount	Stat
372016 13-OCT-16 SUNSET INDUSTRIAL 2,016.51 17-OCT-16 2,016.51 Reconc. PARTS 13-OCT-16 TAKAHASHI, SHIN 19.19 Negotian 13-OCT-16 TAKAHASHI, SHIN 19.19 Negotian 13-OCT-16 TESTAMERICA 52.50 17-OCT-16 52.50 Reconc. 13-OCT-16 TESTAMERICA 12,550.00 17-OCT-16 52.50 Reconc. 13-OCT-16 TESTAMERICA 12,550.00 20-OCT-16 12,550.00 Reconc. 13-OCT-16 THE F. GASPORRA 39.76 Negotian 13-OCT-16 THE F. GASPORRA 12,550.00 20-OCT-16 12,550.00 Reconc. 13-OCT-16 THE GAS COMPANY 552.06 17-OCT-16 552.06 Reconc. 13-OCT-16 THE WHOME 2,807.86 27-OCT-16 2,807.86 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 4,910.10 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 4,910.10 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 77.75 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 2,330 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 2,330 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 2,330 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 2,330 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 2,330 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 2,330 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 579.94 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 579.94 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 579.94 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 579.94 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 579.94 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 579.94 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 579.94 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 579.94 Reconc. 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 579.94 Reconc. 13-OCT-16 13-OCT-16 13-OCT-16 1	Payment Documen 372011 372012	equence Num Date t : IRWD CHECK 13-OCT-16	Supplier Name SPARLING INSTRUMENTS LLC SPX CORP STANDARD PACIFIC	Payment Curr Display Supplier Add Site Payment Amount 713.51	ency: USD (ress: No Cleared Date 17-OCT-16	Cleared Amount	Sta Reconcile Reconcile
R72017	Payment Documen 372011 372012 372013	equence Num Date t : IRWD CHECK 13-OCT-16 13-OCT-16 13-OCT-16	SUPPLIER NAME SPARLING INSTRUMENTS LLC SPX CORP STANDARD PACIFIC CORP STERIS CORPORATION SUEZ TREATMENT	Payment Curr Display Supplier Add Site Payment Amount 713.51 1,920.31 383.26 1,899.19	ency: USD (ress: No Cleared Date 17-OCT-16 17-OCT-16	Cleared Amount 713.51 1,920.31	Sta Reconcile Reconcile Negotiabl Reconcile
172020 13-OCT-16 THE F. GASPORRA 39.76 Negotic TRUST 11VING TRUST 1 12,550.00 20-OCT-16 12,550.00 Reconc. INC. 172022 13-OCT-16 THE GAS COMPANY 552.06 17-OCT-16 552.06 Reconc. INC. 172023 13-OCT-16 THE MEW HOME 2,807.86 27-OCT-16 2,807.86 Reconc. COMPANY 172024 13-OCT-16 THOMAS HARDER & CO 4,910.10 18-OCT-16 4,910.10 Reconc. THOMAS DEBBIE 77.75 18-OCT-16 77.75 Reconc. INC. 172026 13-OCT-16 THOMAS DEBBIE 77.75 18-OCT-16 23.30 Reconc. INC. 172027 13-OCT-16 THOMAS HARDER & THO	Payment Documen 172011 172012 172013 172014 172015	equence Num Date t : IRWD CHECK 13-OCT-16 13-OCT-16 13-OCT-16 13-OCT-16	SUPPLIER NAME SPARLING INSTRUMENTS LLC SPX CORP STANDARD PACIFIC CORP STERIS CORPORATION SUEZ TREATMENT SOLUTIONS INC. SUNSET INDUSTRIAL	Payment Curr Display Supplier Add Site Payment Amount 713.51 1,920.31 383.26 1,899.19 29,522.58	ency: USD (ress: No Cleared Date 17-OCT-16 17-OCT-16 21-OCT-16	Cleared Amount 713.51 1,920.31 1,899.19 29,522.58	Sta Sta Reconcile Reconcile Negotiabl Reconcile Reconcile
17-2021 13-OCT-16	Payment Documen 72011 72012 72013 72014 72015 72016	equence Num Date t: IRWD CHECK 13-OCT-16 13-OCT-16 13-OCT-16 13-OCT-16 13-OCT-16 13-OCT-16	SUPPLIER NAME SPARLING INSTRUMENTS LLC SPX CORP STANDARD PACIFIC CORP STERIS CORPORATION SUEZ TREATMENT SOLUTIONS INC. SUNSET INDUSTRIAL PARTS TAKAHASHI, SHIN TANG, TRACY	Payment Curr Display Supplier Add Site Payment Amount 713.51 1,920.31 383.26 1,899.19 29,522.58 2,016.51 19.19 19.19	ency: USD (ress: No Cleared Date 17-OCT-16 17-OCT-16 17-OCT-16 21-OCT-16 17-OCT-16	Cleared Amount 713.51 1,920.31 1,899.19 29,522.58 2,016.51	Reconcile Reconcile Negotiabl Reconcile Reconcile Reconcile Negotiabl Negotiabl
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172024	Payment Documen 172011 172012 172013 172014 172015 172016 172017 172018 172019	equence Num Date 13-OCT-16	SUPPLIER NAME SPARLING INSTRUMENTS LLC SPX CORP STENDANDARD PACIFIC CORP STERIS CORPORATION SUEZ TREATMENT SOLUTIONS INC. SUNSET INDUSTRIAL PARTS TAKAHASHI, SHIN TANG, TRACY TESTAMERICA LABORATORIES, INC THE F. GASPORRA LIVING TRUST THE FURMAN GROUP,	Payment Curr Display Supplier Add Site Payment Amount 713.51 1,920.31 383.26 1,899.19 29,522.58 2,016.51 19.19 19.19 52.50	ency: USD (ress: No Cleared Date 17-OCT-16 17-OCT-16 21-OCT-16 17-OCT-16	Cleared Amount 713.51 1,920.31 1,899.19 29,522.58 2,016.51	Reconcile Reconcile Negotiabl Reconcile Reconcile Reconcile Reconcile Negotiabl Reconcile Negotiabl
72027 13-OCT-16 TIDWELL, WILLIAM 579,94 19-OCT-16 579,94 Reconc. LYNDSEY 72028 13-OCT-16 TO, TONY 32.37 17-OCT-16 32.37 Reconc.	Payment Documen 72011 72012 72013 72014 72015 72016 72017 72018 72019 72020	equence Num Date 13-OCT-16	SUPPLIER NAME SPARLING INSTRUMENTS LLC SPX CORP STANDARD PACIFIC CORP STERIS CORPORATION SUEZ TREATMENT SOLUTIONS INC. SUNSET INDUSTRIAL PARTS TAKAHASHI, SHIN TANG, TRACY TESTAMERICA LABORATORIES, INC THE F. GASPORRA LIVING TRUST THE FURMAN GROUP, INC. THE GAS COMPANY THE NEW HOME	Payment Curr Display Supplier Add Site Payment Amount 713.51 1,920.31 383.26 1,899.19 29,522.58 2,016.51 19.19 19.19 52.50 39.76 12,550.00 552.06	ency: USD (ress: No Cleared Date 17-OCT-16 17-OCT-16 21-OCT-16 17-OCT-16 17-OCT-16 17-OCT-16	Cleared Amount 713.51 1,920.31 1,899.19 29,522.58 2,016.51 52.50 12,550.00 552.06	Reconcile Reconcile Negotiabl Reconcile Reconcile Reconcile Reconcile Negotiabl Reconcile Negotiabl Reconcile
372028 13-OCT-16 TO, TONY 32.37 17-OCT-16 32.37 Recond.	Payment Documen 372011 372012 372013 372014 372015 372016 372017 372019 372020 372021 372022 372023 372024 372025	equence Num Date 13-OCT-16	SUPPLIER NAME SPARLING INSTRUMENTS LLC SPX CORP STANDARD PACIFIC CORP STERIS CORPORATION SUEZ TREATMENT SOLUTIONS INC. SUNSET INDUSTRIAL PARTS TAKAHASHI, SHIN TANG, TRACY TESTAMERICA LABORATORIES, INC THE F. GASPORRA LIVING TRUST THE FURMAN GROUP, INC. THE GAS COMPANY THE NEW HOME COMPANY THOMAS HARDER & CO THOMAS, DEBBIE THOMMALAPALLY,	Payment Curr Display Supplier Add Site Payment Amount 713.51 1,920.31 383.26 1,899.19 29,522.58 2,016.51 19.19 19.19 52.50 39.76 12,550.00 552.06 2,807.86 4,910.10 77.75	ency: USD (ress: No Cleared Date 17-OCT-16 17-OCT-16 21-OCT-16 17-OCT-16 17-OCT-16 20-OCT-16 17-OCT-16 17-OCT-16 17-OCT-16 17-OCT-16 17-OCT-16	Cleared Amount 713.51 1,920.31 1,899.19 29,522.58 2,016.51 52.50 12,550.00 12,550.00 4,910.10 77.75	Reconcile Reconcile Negotiabl Reconcile Reconcile Reconcile Reconcile Reconcile Reconcile Reconcile Reconcile Reconcile
	Payment Documen 372011 372012 372013 372014 372015 372016 372017 372018 372019 372020 372021 372022 372023 372024 372025 372026	equence Num Date 13-OCT-16	SPARLING INSTRUMENTS LLC SPX CORP STERIS CORPORATION SUEZ TREATMENT SOLUTIONS INC. SUNSET INDUSTRIAL PARTS TAKAHASHI, SHIN TANG, TRACY TESTAMERICA LABORATORIES, INC THE F. GASPORRA LIVING TRUST THE FURMAN GROUP, INC. THE GAS COMPANY THE NEW HOME COMPANY THE NEW HOME COMPANY THOMAS HARDER & CO THOMAS, DEBBIE THOMMALAPALLY, KAPIL TIUWELL, WILLIAM	Payment Curr Display Supplier Add Site Payment Amount 713.51 1,920.31 383.26 1,899.19 29,522.58 2,016.51 19.19 52.50 39.76 12,550.00 552.06 2,807.86 4,910.10 77.75 23.30	ency: USD (ress: No Cleared Date 17-OCT-16 17-OCT-16 17-OCT-16 17-OCT-16 17-OCT-16 17-OCT-16 17-OCT-16 17-OCT-16 17-OCT-16 20-OCT-16 18-OCT-16 18-OCT-16 20-OCT-16	Cleared Amount 713.51 1,920.31 1,899.19 29,522.58 2,016.51 52.50 12,550.00 552.06 2,807.86 4,910.10 77.75 23.30	Sta
72030 13-OCT-16 TROPICAL PLAZA 2,107.77 17-OCT-16 2,107.77 Reconc. NURSERY INC 72031 13-OCT-16 TSAY, ROBERT 17.35 Negotia	Payment Documen 72011 72012 72013 72014 72015 72016 72017 72018 72019 72020 72021 72022 72023 72024 72025 72026 72027	equence Num Date 13-OCT-16	SPARLING INSTRUMENTS LLC SPX CORP STERIS CORPORATION SUEZ TREATMENT SOLUTIONS INC. SUNSET INDUSTRIAL PARTS TAKAHASHI, SHIN TANG, TRACY TESTAMERICA LABORATORIES, INC THE F. GASPORRA LIVING TRUST THE FURMAN GROUP, INC. THE GAS COMPANY THE NEW HOME COMPANY THE NEW HOME COMPANY THOMAS HARDER & CO THOMAS, DEBBIE THOMMALAPALLY, KAPIL TIDWELL, WILLIAM LYNDSEY TO, TONY TRAUTMAN, TYLER	Payment Curr Display Supplier Add Site Payment Amount 713.51 1,920.31 383.26 1,899.19 29,522.58 2,016.51 19.19 19.19 52.50 39.76 12,550.00 552.06 2,807.86 4,910.10 77.75 23.30 579.94 32.37 42.90	ency: USD (ress: No Cleared Date 17-OCT-16 17-OCT-16 17-OCT-16 21-OCT-16 17-OCT-16 20-OCT-16 17-OCT-16 20-OCT-16 18-OCT-16 19-OCT-16 19-OCT-16 19-OCT-16	Cleared Amount 713.51 1,920.31 1,899.19 29,522.58 2,016.51 52.50 12,550.00 12,550.00 552.06 2,807.86 4,910.10 77.75 23.30 579.94 32.37 42.90	Reconcile

IRWD Ledger		Payment Register For	01-OCT-16 To	31-OCT-16	Report Date: 01	-NOV-2016 14:14
		COMPANY				0016 14.1
372038	13-OCT-16	VULCAN MATERIALS	1,677.04	17-OCT-16	1,677.04	Reconciled
3/203/	13-001-10	SERVICES, LLC				
372037	13-OCT-16	VIRONEX TECHNICAL	798.77			Negotiable
372036	13-OCT-16	COMPANIES VERGARA, BELGICA	25.63	24-OCT-16	25,63	Reconciled
		LANDSCAPE				
372035	13-OCT-16	VALLEY CREST	546.30	27-OCT-16	546.30	Reconciled
		COMPANIES				
372034	13 001 10	LANDSCAPE				
372034	13-OCT-16	SERVICE INC VALLEY CREST	172.50	31-OCT-16	172.50	Reconciled
372033	13-OCT-16	UNITED PARCEL	04.47	17-001-10	09.47	Reconciled
372032	13-OCT-16	UNDERWOOD, SHELLY	64.47	17-OCT-16	64.47	Reconciled
			27.84			Negotiable

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

Payment Document : IRWD CHECK	Payment Number	Sequence Num Date	Supplier Name Site	Payment Amount	Date	Cleared Amount	Stat
ST2004							
372040 13-OCT-16 M.M. LYLES CO	372039	13-OCT-16		2,032.32	17-OCT-16	2,032,32	Reconciled
13-001 13-001-16 13-001-	372040	13-0CT-16		24,488,54	19-OCT-16	24,488.54	Reconciled
372042 13-OCT-16 MAITERS WHOLESALE 2,591.51 19-OCT-16 2,591.51 Reconci				465,282.21	19-OCT-16	465,282.21	Reconciled
372043 13-0CT-16 MAILTON MOTORS & 12,426.02 19-0CT-16 12,426.02 Reconcisor Control Contr			WALTERS WHOLESALE		19-OCT-16	2,591.51	Reconciled
172044 13-OCT-16	372043	13-OCT-16	WALTON MOTORS &	12,426.02	19-OCT-16	12,426.02	Reconciled
13-OCT-16 NASTE MANAGEMENT 1,691.91 17-OCT-16 1,691.91 Reconci	272044	13-007-16		12.01			Negotiable
372046 13-OCT-16			WASTE MANAGEMENT		17-OCT-16	1,691.91	Reconciled
372047 13-0CT-16 MATERLINE 2,840.00 14-0CT-16 2,840.00 Reconcise TECHNOLOGIES INC TECHNOLOGIES INC 17,975.00 19-0CT-16 17,975.00 Reconcise SOTTWARR, INC SOTTWAR	372046	13-007-16		26.05			Negotiable
372048 13-OCT-16 WATERSMART 17,975.00 19-OCT-16 17,975.00 Reconcise			WATERLINE		14-OCT-16	2,840.00	Reconciled
372049 13-OCT-16 WEST COAST SAND 6 1,008.90 17-OCT-16 1,008.90 Reconcise of CRAVEL INC. Seconcise of CRAVEL INC.	372048	13-OCT-16	WATERSMART	17,975.00	19-OCT-16	17,975.00	Reconciled
372050 13-OCT-16 WESTAMERICA COMMUNICATIONS, INC. 372051 13-OCT-16 WESTERN SAFETY PRODUCTS INC 372052 13-OCT-16 WESTERN SAFETY PRODUCTS INC 372053 13-OCT-16 WESTERN SAFETY PRODUCTS INC 372055 13-OCT-16 WESTERN SAFETY PRODUCTS INC 372056 13-OCT-16 WILLIAM LYON 32.35 39.72 19-OCT-16 39.72 Reconci 372056 13-OCT-16 WILLIAM LYON 32.51 31-OCT-16 32.51 Reconci 372057 13-OCT-16 WILLIAM LYON 44.41 Negotiam Negotia	372049	13-OCT-16	WEST COAST SAND &	1,008.90	17-OCT-16	1,008,90	Reconcile
13-OCT-16	372050	13-OCT-16	WESTAMERICA COMMUNICATIONS,	5,632.75	14-OCT-16	5,632.75	Reconcile
13-OCT-16 WESTON, TINA 25,92 Negotia 370053 13-OCT-16 WET SEAL, LLC 32,35 Negotia 372054 13-OCT-16 WILCOX, JEAN 39,72 19-OCT-16 39,72 Reconcia 372055 13-OCT-16 WILLIAM LYON 32,51 31-OCT-16 32,51 Reconcia 372056 13-OCT-16 WILLIAM LYON 32,51 31-OCT-16 32,51 Reconcia 372057 31-OCT-16 WILSON, RON 44,41 Negotia 372057 Negotia 372058 13-OCT-16 WU, NICOLE 29,19 24-OCT-16 29,19 Reconcia 372059 13-OCT-16 WYATT, KAY 23,15 20-OCT-16 23,15 Reconcia 372060 13-OCT-16 YEE, RICHARD 16,98 Negotia 372061 13-OCT-16 YEE, RICHARD 16,98 Negotia 372062 13-OCT-16 YURN, WEN 37,70 24-OCT-16 37,70 Reconcia 372063 13-OCT-16 YURADA, GRANT 16,40 19-OCT-16 16,40 Reconcia 372064 13-OCT-16 ZAMENI, BEIDI 22,10 24-OCT-16 22,10 Reconcia 372066 13-OCT-16 ZARBOCK, CHRISTINE 17,80 17-OCT-16 22,10 Reconcia 372066 13-OCT-16 ZEE MEDICAL 854,93 14-OCT-16 854,93 Reconcia 372068 20-OCT-16 Shinbashi, Allen 37,72 31-OCT-16 37,72 Reconcia 372069 20-OCT-16 Shinbashi, Allen 37,72 31-OCT-16 37,72 Reconcia 372069 20-OCT-16 Shinbashi, Allen 37,72 31-OCT-16 37,72 Reconcia 372069 20-OCT-16 Shinbashi, Allen 37,72 31-OCT-16 37,72 Reconcia 372068 37,72 37,72 37,72 37,72 37,72 37,72 37,72	372051	13-OCT-16	WESTERN SAFETY	5,353.57	18-OCT-16	5,353.57	Reconcile
372053 13-OCT-16 WET SEAL, LLC 32.35 Negotia 372054 13-OCT-16 WILCOX, JEAN 39.72 19-OCT-16 39.72 Reconcia 372055 13-OCT-16 WILLIAM LYON 32.51 31-OCT-16 32.51 Reconcia 372056 13-OCT-16 WILSON, RON 44.41 Negotia 372057 13-OCT-16 WILSON, RON 44.41 Negotia 372058 13-OCT-16 WORMAN, NANCY 6.39 Negotia 372059 13-OCT-16 WYATT, KAY 23.15 20-OCT-16 29.19 Reconcia 372060 13-OCT-16 YEE, RICHARD 16.98 Negotia 372061 13-OCT-16 YEE, RICHARD 16.98 Negotia 372062 13-OCT-16 YURAN, WEN 37.70 24-OCT-16 37.70 Reconcia 372063 13-OCT-16 YURADA, GRANT 16.40 19-OCT-16 16.40 Reconcia 372064 13-OCT-16 ZAMENI, HEIDI 22.10 24-OCT-16 22.10 Reconcia 372066 13-OCT-16 ZAMENI, HEIDI 22.10 24-OCT-16 22.10 Reconcia 372066 13-OCT-16 ZAMENI, HEIDI 22.10 24-OCT-16 22.10 Reconcia 372066 13-OCT-16 ZAMENI, HEIDI 25.10 24-OCT-16 27.00 Reconcia 372066 13-OCT-16 ZAMENI, HEIDI 17.80 17-OCT-16 17.80 Reconcia 372066 372066 372066 372067 27.00	372052	13-0CT-16		25.92			Negotiabl
372054 13-OCT-16 WILCOX, JEAN 39.72 19-OCT-16 39.72 Reconci 372055 13-OCT-16 WILLIAM LYON 32.51 31-OCT-16 32.51 Reconci 372056 13-OCT-16 WILSON, RON 44.41 Negotia 372057 13-OCT-16 WORMAN, NANCY 6.39 Negotia 372058 13-OCT-16 WILSON, RON 44.41 Negotia 372059 13-OCT-16 WILTON, RAY 23.15 20-OCT-16 23.15 Reconci 372060 13-OCT-16 YEE, RICHARD 16.98 Negotia 372061 13-OCT-16 YEE, RICHARD 20.92 Negotia 372062 13-OCT-16 YUAN, WEN 37.70 24-OCT-16 37.70 Reconci 372063 13-OCT-16 YURADA, GRANT 16.40 19-OCT-16 16.40 Reconci 372064 13-OCT-16 ZAMENI, HEIDI 22.10 24-OCT-16 22.10 Reconci 372065 13-OCT-16 ZAMENI, HEIDI 22.10 24-OCT-16 22.10 Reconci 372066 13-OCT-16 ZEE MEDICAL 854.93 14-OCT-16 17.60 Reconci 372067 13-OCT-16 ZEE MEDICAL 854.93 14-OCT-16 854.93 Reconci 372068 20-OCT-16 Shinbashi, Allen 37.72 31-OCT-16 37.72 Reconci 372069 20-OCT-16 Shinbashi, Allen 37.72 31-OCT-16 37.72 Reconci 372069 20-OCT-16 Reconci 372060 Reconci 372067 Reconci 372067 Reconci 372068 20-OCT-16 Reconci 372069 Reconci 372069 Reconci 372069 Reconci 372060 Reconci				32.35			Negotiabl
372055 13-OCT-16 WILLIAM LYON 32.51 31-OCT-16 32.51 Reconcided 13-OCT-16 WILSON, RON 44.41 Negotia Neg				39.72			Reconcile
372056			WILLIAM LYON	32.51	31-OCT-16	32.51	Reconcile
13-OCT-16 WORKMAN, NANCY 6.39 Negotia	372056	13-OCT-16		44.41			Negotiabl
372058 13-OCT-16 WU, NICOLE 29,19 24-OCT-16 29,19 Reconci 372059 13-OCT-16 WYATT, KAY 23,15 20-OCT-16 23,15 Reconci 372060 13-OCT-16 YEE, RICHARD 16,98 Negotia 372061 13-OCT-16 YEPIZ, LILIANE 20,92 Negotia 372062 13-OCT-16 YURADA, GRANT 16,40 19-OCT-16 16,40 Reconci 372063 13-OCT-16 YURADA, GRANT 16,40 19-OCT-16 16,40 Reconci 372064 13-OCT-16 ZAMENI, HEIDI 22,10 24-OCT-16 22,10 Reconci 372065 13-OCT-16 ZERBOCK, CHRISTINE 17,80 17-OCT-16 17,80 Reconci 372066 13-OCT-16 ZERBOCK, CHRISTINE 854.93 14-OCT-16 854.93 Reconci SERVICE CO 372068 20-OCT-16 Shinbashi, Allen 37,72 31-OCT-16 37.72 Reconci 372068 20-OCT-16 Shinbashi, Allen 37,72 31-OCT-16 37.72 Reconci 372069 20-OCT-16 Shinbashi, Allen 37,72 31-OCT-16 37.72 Reconci 372069 37.72 Reconci Negotia				6,39			Negotiabl
372059 13-OCT-16 WYATT, KAY 23.15 20-OCT-16 23.15 Reconci 372060 13-OCT-16 YEE, RICHARD 16.98 Negotia 372061 13-OCT-16 YEE, RICHARD 20.92 Negotia 372062 13-OCT-16 YURADA, GRANT 37.70 24-OCT-16 37.70 Reconci 372063 13-OCT-16 YURADA, GRANT 16.40 19-OCT-16 16.40 Reconci 372064 13-OCT-16 ZAMENI, HEIDI 22.10 24-OCT-16 22.10 Reconci 372065 13-OCT-16 ZAMENI, HEIDI 17.80 17-OCT-16 17.80 Reconci 372066 13-OCT-16 ZEE MEDICAL 854.93 14-OCT-16 854.93 Reconci 372067 13-OCT-16 ZHANG, CHANGHAI 15.22 14-OCT-16 15.22 Reconci 372068 20-OCT-16 Shinbashi, Allen 37.72 31-OCT-16 37.72 Reconci 372069 20-OCT-16 Shinbashi, Allen 37.72 31-OCT-16 37.72 Reconci 372069 Reconci 372069 Reconci 372069 Reconci 372060 Re				29.19	24-OCT-16	29.19	Reconcile
13-OCT-16 YEE, RICHARD 16.98 Negotia				23.15	20-OCT-16	23.15	Reconcile
372061 13-OCT-16 YEFIZ, LILIANE 20.92 Negotic 372062 13-OCT-16 YURN, WEN 37.70 24-OCT-16 37.70 Reconci 372063 13-OCT-16 YURADA, GRANT 16.40 19-OCT-16 16.40 Reconci 372064 13-OCT-16 ZAMENI, HEIDI 22.10 24-OCT-16 22.10 Reconci 372065 13-OCT-16 ZEE MEDICAL 854.93 14-OCT-16 854.93 Reconci 372066 13-OCT-16 ZEE MEDICAL 854.93 14-OCT-16 854.93 Reconci SERVICE CO 372067 13-OCT-16 SIANG, CHANGHAI 15.22 14-OCT-16 15.22 Reconci 372068 20-OCT-16 Shinbashi, Allen 37.72 31-OCT-16 37.72 Reconci 372069 20-OCT-16 Ordonez, 3,000.00 Regotic Bernardino A (Berny)				16,98			Negotiabl
372062 13-OCT-16 YURN, WEN 37.70 24-OCT-16 37.70 Reconci 372063 13-OCT-16 YURADA, GRANT 16.40 19-OCT-16 16.40 Reconci 372064 13-OCT-16 ZAMENI, HEIDI 22.10 24-OCT-16 22.10 Reconci 372065 13-OCT-16 ZAMENCK, CHRISTINE 17.80 17-OCT-16 17.80 Reconci 372066 13-OCT-16 ZEE MEDICAL 854.93 14-OCT-16 854.93 Reconci 372067 13-OCT-16 ZHANGKHAI 15.22 14-OCT-16 15.22 Reconci 372068 20-OCT-16 Shinbashi, Allen 37.72 31-OCT-16 37.72 Reconci 372069 20-OCT-16 Ordonez, 3,000.00 Regotia Reconci Reconc				20,92			Negotiabl
372063 13-OCT-16 YURADA, GRANT 16.40 19-OCT-16 16.40 Reconci				37.70	24-OCT-16	37.70	Reconcile
372064 13-OCT-16 ZAMENI, HEIDI 22.10 24-OCT-16 22.10 Reconci 372065 13-OCT-16 ZARBOCK, CHRISTINE 17.80 17-OCT-16 17.80 Reconci 372066 13-OCT-16 ZEE MEDICAL 854.93 14-OCT-16 854.93 Reconci SERVICE CO 372067 13-OCT-16 Shinbashi, Allen 37.72 14-OCT-16 15.22 Reconci 372068 20-OCT-16 Shinbashi, Allen 37.72 31-OCT-16 37.72 Reconci 372069 20-OCT-16 Ordonez, 3,000.00 Regotic Bernardino A (Berny)				16.40	19-OCT-16	16.40	Reconcile
372065 13-OCT-16 ZARBOCK, CHRISTINE 17.80 17-OCT-16 17.80 Reconct 372066 13-OCT-16 ZEE MEDICAL 854.93 14-OCT-16 854.93 Reconct SERVICE CO 372067 13-OCT-16 ZHANG, CHANGHAI 15.22 14-OCT-16 15.22 Reconct 372068 20-OCT-16 Shinbashi, Allen 37.72 31-OCT-16 37.72 Reconct 372069 20-OCT-16 Ordonez, 3,000.00 Regorder Negotic Bernardino A (Berny)				22,10	24-OCT-16	22.10	Reconcile
372066 13-OCT-16 ZEE MEDICAL 854.93 14-OCT-16 854.93 Reconci SERVICE CO 372067 13-OCT-16 ZHANG, CHANGHAI 15.22 14-OCT-16 15.22 Reconci 372068 20-OCT-16 Shinbashi, Allen 37.72 31-OCT-16 37.72 Reconci 372069 20-OCT-16 Ordonez, 3,000.00 Negotia Bernardino A (Berny)				17,80	17-OCT-16	17.80	Reconcile
372067 13-OCT-16 ZHANG, CHANGHAI 15.22 14-OCT-16 15.22 Reconct 372068 20-OCT-16 Shinbashi, Allen 37.72 31-OCT-16 37.72 Reconct 372069 20-OCT-16 Ordonez, 3,000.00 Negotia Bernardino A (Berny)			ZEE MEDICAL	854.93	14-OCT-16	854.93	Reconcile
372068 20-OCT-16 Shinbashi, Allen 37.72 31-OCT-16 37.72 Reconci 372069 20-OCT-16 Ordonez, 3,000.00 Negotia Bernardino A (Berny)	372067	13-0CT-16	ZHANG, CHANGHAI	15.22	14-OCT-16	15.22	Reconcile
372069 20-OCT-16 Ordonez, 3,000.00 Negotic Bernardino A (Berny)			Shinbashi, Allen	37,72			Reconcile
(Berny)			Ordonez, Bernardino A	3,000.00			Negotiabl
Perment Beginter For 01-007-16 To 31-007-16 Report Date: 01-NOV-2016			(Berny)	n 01 00m 15 m	21 OGB 16	Daniel Date: 03	NOW 2016 1

(Berny)
Payment Register For 01-OCT-16 To 31-OCT-16 Report Date: 01-NOV-2016 14:14
BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 19
Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
Payment Type: All Display Supplier Address: No IRWD Ledger

Payment Number	Sequence Num Date	Supplier Name Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Docum	ent : IRWD CHECK					
372070	20-OCT-16	Steinbeck, Brandon C	107,56	21-OCT-16	107.56	Reconciled
372071	20-OCT-16	McBride, Damien J	172.00	24-OCT-16	172.00	Reconciled
372072	20-OCT-16	McElroy, Dorien	155.00	24-OCT-16	155.00	Reconciled
372073	20-OCT-16	Moeder, Jacob J (Jacob)	637.96	24-OCT-16	637,96	Reconciled
372074	20-OCT-16	Norman, Tammy	20.01	20-OCT-16	20.01	Reconciled
372075	20-OCT-16	CANON SOLUTIONS CHICAGO AMERICA, INC.	7,080.86	24-OCT-16	7,080.86	Reconciled
372076	20-OCT-16	3M COMPANY	1,122.84	24-OCT-16	1,122.84	Reconciled
372077	20-OCT-16	ACCURATE MEASUREMENT SYSTEMS INC	3,613,48	28-OCT-16	3,613.48	Reconciled
372078	20-OCT-16	ADVANTAGE	998.92	24-OCT-16	998.92	Reconciled

		UNLIMITED PAVING				
		INC	451 00	24-OCT-16	451.80	Reconciled
372079		AIRGAS, INC.	451.80		451.80 331.09	Reconciled
372080		ALL STAR GLASS	331.09	24-OCT-16		
372081		ALSTON & BIRD LLP	19,628.81	28-OCT-16	19,628.81	Reconciled
372082	20-OCT-16	ANTHEM BLUE CROSS	544.70	27-OCT-16	544.70	Reconciled
372083		ANTHEM BLUE CROSS	207.81	27-OCT-16	207.81	Reconciled
372084	20-OCT-16	APPLIED INDUSTRIAL	540.75	24-OCT-16	540.75	Reconciled
		TECHNOLOGIES - CA LLC				
372085	20-OCT-16	APTEAN, INC.	15,128.56	31-OCT-16	15,128.56	Reconciled
372086	20-OCT-16	AT&T	3,823.98	25-OCT-16	3,823.98	Reconciled
372087	20-OCT-16	AT&T	1,328.01			Voided
372088	20-OCT-16	AT&T	48,42	24-OCT-16	48.42	Reconciled
372089	20-OCT-16	AUTOZONE PARTS,	468,82	25-OCT-16	468.82	Reconciled
		INC.				
372090	20-OCT-16	AVILA, CHANTEL	115.45	31-OCT-16	115.45	Reconciled
372091	20-OCT-16	AVISTA	8,763.21	24-OCT-16	8,763.21	Reconciled
		TECHNOLOGIES, INC				
372092	20-OCT-16	BATTERIES PLUS AND	731.67	24-OCT-16	731.67	Reconciled
		BATTERIES PLUS				
		BULBS				
372093	20-OCT-16	BC WIRE ROPE &	1,437.22	21-OCT-16	1,437.22	Reconciled
		RIGGING				
372094	20-OCT-16	BDC SPECIAL WASTE	207,20	24-OCT-16	207.20	Reconciled
372095	20-OCT-16	BELL TOWER FLORIST	97.19			Negotiable
		& GIFTS				
372096	20-OCT-16	BIOMAGIC INC	13,827.46	28-OCT-16	13,827.46	Reconciled
372097	20-OCT-16	BORCHARD SURVEYING	1,965.00	27-OCT-16	1,965.00	Reconciled
		& MAPPING, INC.				
372098	20-OCT-16	BURKE, WILLIAMS &	9,131.00	25-OCT-16	9,131.00	Reconciled
		SORENSEN, LLP				
IRWD Ledger		Payment Register	For 01-OCT-16 To	31-OCT-16	Report Date: 01-	-NOV-2016 14:14
BANK: Bank of America N.A.	Branc	ch : Los Angeles	Account: Check	ing AP and PR	Page:	20
Bank Account Currency			Payment Curr	ency: USD (U:	S Dollar)	
Payment Type: All		Di:	splay Supplier Add	ress: No		
4						

Payment Document 372099 372100 372101 372102 372103 372104 372105 372106 372107 372108 372110 372110 372111 372112 372113	20-OCT-16	C WELLS PIPELINE				********	
372100 372101 372102 372103 372104 372106 372106 372107 372108 372109 372110 372111 372112 372112							
372101 372102 372103 372104 372105 372106 372107 372108 372109 372110 372111 372112 372113	20 OCT 16	MATERIALS INC		30,415.50	28-OCT-16	30,415.50	Reconciled
372102 372103 372104 372105 372106 372107 372108 372109 372110 372111 372112 372113	20-001-16	CALIFORNIA BARRICADE RENTAL, INC.		7,627.50	25-OCT-16	7,627.50	Reconciled
372103 372104 372105 372106 372107 372108 372109 372110 372111 372112 372112	20-OCT-16			10,000.00	27-OCT-16	10,000.00	Reconciled
372104 372105 372106 372107 372108 372109 372110 372111 372112 372113	20-OCT-16			8,710.42	24-OCT-16	8,710.42	Reconciled
372105 372106 372107 372108 372109 372110 372111 372112 372113	20-OCT-16	CANON SOLUTIONS AMERICA, INC.		8,674.43	24-OCT-16	8,674.43	Reconciled
372106 372107 372108 372109 372110 372111 372112 372113	20-OCT-16	CAROLLO ENGINEERS, INC		67,838.80			Negotiable
372107 372108 372109 372110 372111 372112 372113	20-OCT-16	CASTANEDA, NATALIE		1,542.76	24-OCT-16	1,542.76	Reconciled
372108 372109 372110 372111 372112 372113	20-OCT-16	CHI EPSILON		250,00			Negotiable
372109 372110 372111 372111 372112 372113	20-OCT-16	CHIMOURES, ANDREA		60.67			Negotiable
372110 372111 372112 372113	20-OCT-16	CHO DESIGN ASSOCIATES, INC		2,200.00	24-OCT-16	2,200.00	Reconciled
372110 372111 372112 372113	20-OCT-16	CITY OF SANTA ANA		152,42	24-OCT-16	152.42	Reconciled
372111 372112 372113	20-OCT-16	CITY OF SANTA ANA		195,000.00			Negotiable
372112 372113	20-OCT-16	CITY OF TUSTIN		650.77	21-OCT-16	650,77	Reconciled
372113	20-OCT-16	CLA-VAL COMPANY		583,59	21-OCT-16	583,59	Reconciled
372114	20-OCT-16	CONTROLLED MOTION SOLUTIONS, INC		46,82	21-OCT-16	46.82	Reconciled
	20-OCT-16	COX COMMUNICATIONS, INC.		109,00	24-OCT-16	109,00	Reconciled
372115	20-OCT-16	COXCO LLC		9,530.75	25-OCT-16	9,530.75	Reconciled
372116	20-OCT-16	CREW, INC.		382,10	27-OCT-16	382.10	Reconciled
372117	20-OCT-16	DATAGEAR, INC.		326,68	31-OCT-16	326.68	Reconciled
372118	20-OCT-16			12,305.00			Negotiable
372119	20-OCT-16	DB INDUSTRIAL SUPPLY CO		429,85	21-OCT-16	429.85	Reconciled
372120	20-OCT-16	DEE JASPAR & ASSOCIATES, INC.		71,366.58	31-OCT-16	71,366.58	Reconciled
372121	20-OCT-16	DELL MARKETING LP		390,03	24-0CT-16	390.03	Reconciled
372122	20-OCT-16	DIRECTV INC		115.98			Negotiable
372123	20-OCT-16	DISCOUNT COURIER SERVICE		155,80	21-OCT-16	155,80	Reconciled
372124	20-OCT-16	EHS INTERNATIONAL, INC		3,105.00	24-OCT-16	3,105.00	Reconciled
372125	20-OCT-16	EMD MILLIPORE CORPORATION		2,264.29			Negotiable
IRWD Ledger		Payment	Register For			Report Date: 01-	
BANK: Bank of Ame	rica N.A. Bran Currency: USD (US	ch : Los Angeles Dollar)		ccount: Check Payment Curr Supplier Add	ency: USD (21

Cleared

	uence Num Date		Site Payment Amount		Cleared Amount	Status
Payment Document						
372126	20-OCT-16	ENVIRONMENTAL EXPRESS INC	2,324.11	24-OCT-16	2,324.11	Reconciled
372127 372128		EVANS-HYDRO INC EXECUTIVE LIGHTING	33,741.72 535.14	21-OCT-16	535.14	Negotiable Reconciled
372129	20-OCT-16	& ELECTRIC EXTTI , INCORPORATED	2,650.00	28-OCT-16	2,650.00	Reconciled
372130 372131	20-OCT-16 20-OCT-16		215.54 571.07	27-OCT-16 25-OCT-16	215,54 571.07	Reconciled Reconciled
372132	20-OCT-16	SAFETY & SERVICE FIRST CHOICE SERVICES	767.77	25-OCT-16	767.77	Reconciled
372133 372134	20-OCT-16 20-OCT-16		16,656.62 3,874.97	24-0CT-16	3,874,97	Negotiable Reconciled
372135	20-OCT-16		236.74	24-OCT-16	236.74	Reconciled
372136	20-OCT-16	RESOURCES, LLC FRONTIER CALIFORNIA INC.	479.56			Negotiable
372137		GANAHL LUMBER CO.	203.94	25-OCT-16	203.94	Reconciled
372138 372139	20-OCT-16 20-OCT-16	GEICO GEMS SENSORS, INC.	228.33 1,584.06	27-OCT-16 24-OCT-16	228,33 1,584.06	Reconciled Reconciled
372140	20-OCT-16	GENERAL MONITORS	5,692.63	24-OCT-16	5,692.63	Reconciled
372141 372142		GEORGE HILLS COMPANY, INC. GEORGE YARDLEY	442,00	27-OCT-16 21-OCT-16	442,00 650.00	Reconciled Reconciled
372142		CO., INC. GIMALADA, MARGARET		31-OCT-16	77.01	Reconciled
372144	20-OCT-16		122.28	24-OCT-16	122,28	Reconciled
372145		GRAYBAR ELECTRIC COMPANY	19,80	24-OCT-16	19.80	Reconciled
372146 372147		H2O INNOVATION USA INC HAAKER EQUIPMENT	4,619.58 2,634.25	24-OCT-16 24-OCT-16	4,619.58 2,634.25	Reconciled Reconciled
372148		COMPANY HACH COMPANY	7,416.53	24-OCT-16	7,416.53	Reconciled
372149	20-OCT-16	HDR ENGINEERING	26,890.10	20-OCT-16	26,890.10	Reconciled
372150		HELPMATES STAFFING SERVICES	13,181,73	27-OCT-16	13,181.73	Reconciled
372151 372152 372153	20-OCT-16	HILL BROTHERS CHEMICAL COMPANY HOME DEPOT USA INC	4,139.00 2,105.81	24-OCT-16 31-OCT-16 24-OCT-16		
372152 372153 IRWD Ledger BANK: Bank of Amer:	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F th : Los Angeles	2,105,81 211.55 Register For 01-OCT-16 To Account: Checki Payment Curre Display Supplier Addr	31-OCT-16 24-OCT-16 31-OCT-16 .ng AP and PF ency: USD (ress; No	2,105.81 211.55 Report Date: 01- Page: 2	Reconciled Reconciled
372152 372153 IRWD Ledger BANK: Bank of Amer: Bank Account (Payment Type	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D e: All	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F th: Los Angeles collar) Supplier Name	2,105,81 211.55 Register For 01-OCT-16 To Account: Checki Payment Curre Display Supplier Addr	31-OCT-16 24-OCT-16 31-OCT-16 .ng AP and PF ency: USD (ress: No	2,105.81 211.55 Report Date: 01- Page: 2	Reconciled Reconciled -NOV-2016 14:1 22
372152 372153 IRWD Ledger BANK: Bank of Amer: Bank Account (Payment Type	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D e: All	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F th: Los Angeles collar) Supplier Name	2,105.81 211.55 Legister For 01-OCT-16 To Account: Check: Payment Curre Display Supplier Addr	31-OCT-16 24-OCT-16 31-OCT-16 .ng AP and PF ency: USD (ress: No	2,105.81 211.55 Report Date: 01- Page: 2 US Dollar)	Reconciled Reconciled -NOV-2016 14:1
372152 372153 IRWD Ledger BANK: Bank of Amer Bank Account (Payment Type	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D :: All	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F h: Los Angeles collar) Supplier Name HUNSAKER 6	2,105.81 211.55 Legister For 01-OCT-16 To Account: Check: Payment Curre Display Supplier Addr	31-OCT-16 24-OCT-16 31-OCT-16 .ng AP and PF ency: USD (ress: No	2,105.81 211.55 Report Date: 01- Page: 2 US Dollar)	Reconciled Reconciled -NOV-2016 14:1 22
372152 372153 IRWD Ledger BANK: Bank of Amer: Bank Account (Payment Type Payment Number Sequent Payment Document	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D :: All ience Num Date :: IRWD CHECK 20-OCT-16	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F th: Los Angeles Hollar) Supplier Name HUNSAKER & ASSOCIATES IRVINE INDUSTRIAL METAL	2,105,81 211.55 Register For 01-OCT-16 To Account: Checki Payment Curre Display Supplier Addr	31-OCT-16 24-OCT-16 31-OCT-16 .ng AP and PF ency: USD (ress: No	2,105.81 211.55 Report Date: 01- Page: 2 US Dollar)	Reconciled Reconciled -NOV-2016 14:
372152 372153 IRWD Ledger BANK: Bank of Amer: Bank Account of Payment Type Payment Number Sequence Payment Document 1	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D e: All Hence Num Date : IRWD CHECK 20-OCT-16	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F th: Los Angeles Hollar) Supplier Name HUNSAKER & ASSOCIATES IRVINE	2,105.81 211.55 Register For 01-OCT-16 To Account: Check: Payment Curre Display Supplier Addr	31-OCT-16 24-OCT-16 31-OCT-16 .ng AP and PF ency: USD (ress: No Cleared Date	2,105.81 211.55 Report Date: 01- Page: 2 US Dollar)	Reconciled Reconciled Reconciled -NOV-2016 14:122 Status
372152 372153 IRWD Ledger BANK: Bank of Amer: Bank Account (Payment Type Payment Number Sequence Payment Document 1 372154	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D e: All Hence Num Date 1 IRWD CHECK 20-OCT-16 20-OCT-16	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F th: Los Angeles Hollar) Supplier Name HUNSAKER 6 ASSOCIATES IRVINE INDUSTRIAL METAL SUPPLY CO IRON MOUNTAIN INFORMATION MANAGEMENT INC IRVINE COMMUNITY DEVELOPMENT	2,105.81 211.55 Register For 01-OCT-16 To Account: Checki Payment Curre Display Supplier Addr Site Payment Amount 2,352.00 1,381.02	31-OCT-16 24-OCT-16 31-OCT-16 31-OCT-16 ng AP and PF ncy: USD (ress: No Cleared Date 24-OCT-16	2,105.81 211.55 Report Date: 01- Page: 2 US Dollar)	Reconciled Reconciled -NOV-2016 14: 22 Status Reconciled Reconciled
372152 372153 IRWD Ledger BANK: Bank of Amer: Bank Account of Payment Type Payment Number Sequence Payment Document 372154 372155 372156	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D e: All Hence Num Date 20-OCT-16 20-OCT-16 20-OCT-16	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F th: Los Angeles HUNSAKER & ASSOCIATES IRVINE INDUSTRIAL METAL SUPPLY CO IRON MOUNTAIN INFORMATION MANAGEMENT INC IRVINE COMMUNITY DEVELOPMENT COMPANY LLC IRVINE PIPE &	2,105.81 211.55 Register For 01-OCT-16 To Account: Checki	31-OCT-16 24-OCT-16 31-OCT-16 31-OCT-16 ng AP and PF ncy: USD (ress: No Cleared Date 24-OCT-16	2,105.81 211.55 Report Date: 01- Page: 2 US Dollar)	Reconciled Reconciled Reconciled 14: Status Reconciled Reconciled Reconciled
372152 372153 IRWD Ledger BANK: Bank of Amer: Bank Account of Payment Type Payment Number Sequence Payment Document 372154 372155 372156	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D :: All Hence Num Date :: IRWD CHECK 20-OCT-16 20-OCT-16 20-OCT-16	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F h: Los Angeles h: Los Angeles collar) Supplier Name HUNSAKER & ASSOCIATES IRVINE INDUSTRIAL METAL SUPPLY CO IRON MOUNTAIN INFORMATION MANACEMENT INC IRVINE COMMUNITY DEVELOPMENT COMPANY LLC	2,105.81 211.55 Register For 01-OCT-16 To Account: Checki	31-OCT-16 24-OCT-16 31-OCT-16 31-OCT-16 ng AP and PF ency: USD (ess: No Cleared Date 24-OCT-16 24-OCT-16	2,105.81 211.55 Report Date: 01- Page: 2 US Dollar) Cleared Amount 2,352.00 1,381.02 1,355.53	Reconciled Reconciled PROV-2016 14:32 Status Reconciled Reconciled Reconciled Reconciled Reconciled
372152 372153 IRWD Ledger BANK: Bank of Amer: Bank Account of Payment Type Payment Number Sequence of Payment Document in the sequence of	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D e: All Hence Num Date 20-OCT-16 20-OCT-16 20-OCT-16 20-OCT-16 20-OCT-16 20-OCT-16 20-OCT-16	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F h: Los Angeles h: Los Angeles collar) Supplier Name HUNSAKER & ASSOCIATES IRVINE INDUSTRIAL METAL SUPPLY CO IRON MOUNTAIN INFORMATION MANACEMENT INC IRVINE COMMUNITY DEVELOPMENT COMPANY LLC IRVINE PIPE & SUPPLY INC IRWD-PETTY CASH CUSTODIAN JOHN ROBINSON CONSULTING, INC.	2,105.81 211.55 Register For 01-OCT-16 To Account: Checki: Payment Curre Display Supplier Addr Site Payment Amount 2,352.00 1,381.02 1,355.53 129,102.16 610.84 622.92 20,362.25	31-OCT-16 24-OCT-16 31-OCT-16 31-OCT-16 31-OCT-16 19 AP and PF ncy: USD (ress: No Cleared Date 24-OCT-16 24-OCT-16 24-OCT-16 21-OCT-16 31-OCT-16	2,105.81 211.55 Report Date: 01- Page: 2 US Dollar) Cleared Amount 2,352.00 1,381.02 1,355.53 610.84 822.92 20,362.25	Reconciled
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372152 372153 IRWD Ledger Bank: Bank of Amer: Bank Account of Payment Type Payment Number Sequence Payment Document 372154 372155 372156 372157 372158 372159 372160 372161 372161	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D :: All ience Num Date :: IRWD CHECK 20-OCT-16	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F h: Los Angeles h: Los Angeles collar) Supplier Name HUNSAKER & ASSOCIATES IRVINE INDUSTRIAL METAL SUPPLY CO IRON MOUNTAIN INFORMATION MANACEMENT INC IRVINE COMMUNITY DEVELOPMENT COMPANY LLC IRVINE PIPE & SUPPLY INC IRWD-PETTY CASH CUSTODIAN JOHN ROBINSON CONSULTING, INC. JONES, ELLEN JPI DEVELOPMENT GROUP INC.	2,105.81 211.55 Register For 01-OCT-16 To Account: Checki: Payment Curre Display Supplier Addr Site Payment Amount 2,352.00 1,381.02 1,355.53 129,102.16 610.84 622.92 20,362.25 33.04 702.53	31-OCT-16 24-OCT-16 31-OCT-16 31-OCT-16 31-OCT-16 31-OCT-16 24-OCT-16 24-OCT-16 24-OCT-16 21-OCT-16 25-OCT-16 25-OCT-16	2,105.81 211.55 Report Date: 01- Page: 2 US Dollar) Cleared Amount 2,352.00 1,381.02 1,355.53 610.84 822.92 20,362.25 33.04	Reconciled
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372152 372153 IRWD Ledger Bank: Bank of Amer: Bank Account of Payment Type Payment Number Sequence of Payment Document Occured Occure	20-OCT-16 20-OCT-16 ica N.A. Branc Currency: USD (US D e: All Hence Num Date 20-OCT-16	CHEMICAL COMPANY HOME DEPOT USA INC HSIEN, KAITING Payment F th: Los Angeles collar) Supplier Name HUNSAKER & ASSOCIATES IRVINE INDUSTRIAL METAL SUPPLY CO IRON MOUNTAIN INFORMATION MANAGEMENT INC IRVINE COMMUNITY DEVELOPMENT COMPANY LLC IRVINE PIPE & SUPPLY INC IRWD-PETTY CASH CUSTODIAN JOHN ROBINSON CONSULTING, INC. JONES, ELLEN JPI DEVELOPMENT GROUP INC. KAESER COMPRESSORS, INC. KAYUGA SOLUTION INC KAZEMPOOR, MOHAMMAD KIM, SOON TAE KLEINFELDER, INC. KUO, PETER LA HABRA FENCE	2,105.81 211.55 Register For 01-OCT-16 To Account: Checki: Payment Curre Display Supplier Addr Site Payment Amount 2,352.00 1,381.02 1,355.53 129,102.16 610.84 622.92 20,362.25 33.04 702.53 20,955.58 20,625.00 20.69 2,550.00 1,550.00 498.68	31-OCT-16 24-OCT-16 31-OCT-16 31-OCT-16 31-OCT-16 31-OCT-16 10 AP and PF ency: USD (ress: No Cleared Date 24-OCT-16 24-OCT-16 24-OCT-16 25-OCT-16 28-OCT-16 28-OCT-16 24-OCT-16	2,105.81 211.55 Report Date: 01- Page: 2 US Dollar) Cleared Amount 2,352.00 1,381.02 1,355.53 610.84 822.92 20,362.25 33.04 20,955.58 20,625.00 2,550.00 1,550.00 498.68	Reconciled Reconciled Reconciled NOV-2016 14:122 Status Reconciled

372172 372173		LEIGHTY, MEGAN LU'S LIGHTHOUSE,		22.36 469.99	25-OCT-16	469.99	Negotiable Reconciled
		INC.					
372174 372175		MAILFINANCE INC MC FADDEN-DALE		729.28 196.12	25-OCT-16	196.12	Negotiable Reconciled
372176		INDUSTRIAL MC MASTER CARR			24-OCT-16	192,76	
0,22,0		SUPPLY CO			24 001 10	220,70	
372177		MEADOWS CONDO ASSOC. # 735		501,45			Negotiable
IRWD Ledger BANK: Bank of Amer Bank Account Payment Typ	ica N.A. Brand Currency; USD (US I	Payment F ch : Los Angeles Dollar)		or 01-0CT-16 To Account: Check Payment Curr play Supplier Add	effect: OPD (OP	Report Date: 01- Page: 2 Dollar)	-NOV-2016 14;3
Payment Number Seq	uence Num Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	
Payment Document		*************					
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372178	20-OCT-16	MICHAEL BAKER INTERNATIONAL, INC.		494.00	24-OCT-16	494.00	Reconciled
372179	20-OCT-16			29.06			Negotiable
372180	20-OCT-16	MILLER, BLAKE MOBILE MODULAR MANAGEMENT CORPORATION		1,020.60	24-OCT-16	1,020.60	Reconciled
372181	20-OCT-16	MODERN COMPANY		492,67		492.67	Reconciled
372182	20-OCT-16	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		51,099,34	27-OCT-16	51,099.34	Reconciled
372183	20-OCT-16	NATIONAL READY MIXED CONCRETE CO.		1,871.20	24-OCT-16	1,871.20	Reconciled
372184	20-OCT-16	NAVKAR, PRIYA		031.83			Negotiable
372185	20-0CT-16	NOREX, INC.		3,720.00	24-OCT-16	3,720.00	Reconciled Reconciled
372186 372187		OLIN CORPORATION ON ASSIGNMENT LAB SUPPORT		1,190.00	27-OCT-16 24-OCT-16	3,720.00 20,336.35 1,190.00	Reconciled
372188	20-OCT-16	ORANGE COUNTY AUTO PARTS CO		514.57	21-OCT-16	514.57	Reconciled
372189	20~OCT-16	ORANGE COUNTY TREASURER		142,84	24-OCT-16	142.84	Reconciled
372190		OSTS, INC			25-OCT-16		
372191		OUTSOURCE TECHNICAL LLC			27-OCT-16	59,105.00	
372192		PACIFIC RESOURCE RECOVERY		2,375.65		2,375.65	
372193		PARKHOUSE TIRE INC PAULUS ENGINEERING			25-OCT-16 21-OCT-16	526.09 5,800.00	
372194		INC		,		,	
372195		PAYNE & FEARS LLP		10,730.50		10,730.50 350.00	
372196		PELLETIER & ASSOCIATES, INC.					
372197 372198		PETERSEN, GARY PINNACLE CUSTOM		14.92 1,042.48	24-OCT-16	14.92	Reconciled Negotiable
372199	20-OCT-16	HOMES, INC. PINNACLE TOWERS LLC		666.04	24-OCT-16	666.04	Reconciled
372200	20-OCT-16	POLLARDWATER.COM		1,501.82	24-QCT-16	1,501.82	Reconciled
372201	20-OCT-16	PUBLIC FINANCIAL MANAGEMENT, INC. PYLES, STEVEN			27-OCT-16	22,500.00	
372202					31-OCT-16	82.52	
372203 372204	20-OCT-16 20-OCT-16			24.21 1,396.80		1,396.80	Negotiable Reconciled
IRWD Ledger		ENGINEERING INC Payment P	Register Fo	or 01-0CT-16 To	31-OCT-16	Report Date: 01-	-NOV-2016 14:
BANK: Bank of Amer	Currency: USD (US)	h · Los Angeles		Account: Check	ing AP and PR ency: USD (US	Page: 2	24
December 17	War Bit	Supplier Name	Cito		Cleared	Cleared Amount	Statu
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Payment Number	Sequence Num Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Docum	ent : IRWD CHECK						
372205	20-OCT-16	REAL WATER CONSULTANTS INC.		19,177.75	28-OCT-16	19,177.75	Reconciled
372206	20-OCT-16	RELIANCE STANDARD LIFE INSURANCE COMPANY		19,435.99			Negotiable
372207	20-OCT-16	RESILIENT COMMUNICATIONS INC.		2,800.00			Negotiable
372208	20-OCT-16	RMC WATER AND ENVIRONMENT		8,847.50	25-OCT-16	8,847.50	Reconciled
372209	20-OCT-16	RODRIGUEZ, LIZZETTE		18,58			Negotiable
372210	20-OCT-16	ROWLEY, C		139,77			Negotiable
372211	20-OCT-16	SANDERS PAVING INC		9,838.50	27-OCT-16	9,838.50	Reconciled
372212	20-OCT-16	SANTA ANA BLUE PRINT		5,470.34			Negotiable
372213	20-OCT-16	SANTA MARGARITA FORD		147.00	25-OCT-16	147.00	Reconciled

372214		20-OCT-16	SANTA MARGARITA FORD		97.29	24-OCT-16	97,29	Reconciled
372215		20-OCT-16			105,927.58	27-OCT-16	105,927.58	Reconciled
372216		20-OCT-16			5,575.14	28-OCT-16	5,575.14	Reconciled
372217		20-OCT-16			268.48	24-OCT-16	268,48	Reconciled
372218		20-OCT-16	SEALS WEST PACKING	ı	821,40			Negotiable
372219		20-OCT-16	CO. SEPARATION		1,828.75	24-OCT-16	1,828.75	Reconciled
372220		20-OCT-16	PROCESSES INC SHAMROCK SUPPLY CO	,	1,213.31	21-OCT-16	1,213.31	Reconciled
372221		20-OCT-16	INC SHERWIN WILLIAMS		1,359.37	24-OCT-16	1,359,37	Reconciled
372222			COMPANY SOUSA, PATRICIA		21.44			Negotiable
372223		20-0CT-16	SOUTH COAST AIR QUALITY MANAGEMENT		1,437.63			Negotiable
372224		20-OCT-16	DISTRICT SOUTH COAST WATER		40.00	25-OCT-16	40.00	Reconciled
372225		20-OCT-16	CO. SOUTHERN CALIFORNIA EDISON COMPANY		360,170.67	25-OCT-16	360,170.67	Reconciled
Bank Accou	America N.A. unt Currency: Type: All		Payment th : Los Angeles		For 01-OCT-16 To Account: Check: Payment Curre splay Supplier Add:	ing AP and PR ency: USD (NOV-2016 14:14 5
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Payment Number			Supplier Name	Site	Payment Amount		Cleared Amount	Status
Payment Docume			*****************				***********	******
372226		20-OCT-16			643.39			Negotiable
			CALIFORNIA SECURITY CENTERS,					
372227		20-OCT-16	INC. SOUTHWEST VALVE &		2,571.88	31-OCT-16	2,571.88	Reconciled
372228		20-OCT-16	EQUIPMENT STANDARD & POOR'S FINANCIAL SERVICES	;	35,750.00	27-OCT-16	35,750.00	Reconciled
372229		20-OCT-16	LLC STANDARD PACIFIC		157.65	2		Negotiable
372230		20-OCT-16	HOMES STANDARD REGISTER,		1,098.58	24-OCT-16	1,098.58	Reconciled
372231		20-OCT-16	INC. STANTEC CONSULTING	i	2,612.00	24-OCT-16	2,612.00	Reconciled
372232		20-OCT-16	SERVICES INC. STATE BOARD OF		1,913.00	25-OCT-16	1,913.00	Reconciled
372233		20-OCT-16	EQUALIZATION STATE WATER RESOURCES CONTROL		340.00			Negotiable
372234		20-OCT-16	BOARD		9,003.00	31-OCT-16	9,003.00	Reconciled
312234		20-001-10	RESOURCES CONTROL BOARD		3,003.00	31 001 10	3,003.00	Reconciled
372235		20-OCT-16	STETSON ENGINEERS		15,758.50	28-OCT-16	15,758.50	Reconciled
372236 372237		20-OCT-16			128.55 1,002.92	24-OCT-16	1,002.92	Negotiable Reconciled
372238		20-OCT-16	THE GAS COMPANY		4,066.34	25-OCT-16	4,066.34	Reconciled
372239			THODETI, SUMAN KUMAR REDDY		15,13	0.4 ogm 1.6	1 746 02	Negotiable
372240		20-OCT-16	INDUSTRIAL SUPPLY		1,746.93		1,746.93	Reconciled
372241		20-OCT-16	THROWDOWN INDUSTRIES		24.45	27-OCT-16	24.45	Reconciled
372242			HOLDINGS TOLL BROS., INC		48.28	27-OCT-16	48.28	Reconciled
372243			TOXGUARD FLUID TECHNOLOGIES		116.50	27-OCT-16		Reconciled
372244			TRI COUNTY PUMP COMPANY		19,190.60	28-0CT-16	19,190,60	Reconciled
372245 372246			TRIPOINTE HOMES TROPICAL PLAZA NURSERY INC		112.56 10,404.00		10,404.00	Negotiable Reconciled
372247 372248			TRUCPARCO TTS ENGINEERING,		798.78 112.53	24-OCT-16 28-OCT-16	798.78 112.53	Reconciled Reconciled
Bank Accou			INC Payment th : Los Angeles collar)			ing AP and PR ency: USD (Page: 2	
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Payment Docume	ent : IRMD CH		TII MODAN		24 75	28-OCT-16	24.75	Reconciled
372249 372250		20-OCT-16 20-OCT-16	TU, MORAN TU, YUAN			25-OCT-16		

372251	20-OCT-16	TYCO INTEGRATED		2,793.41	27-OCT-16	2,793.41	Reconciled
		SECURITY, LLC					
372252	20-OCT-16	ULTRA SCIENTIFIC		139.30	25-OCT-16	139.30	Reconciled
372253	20-OCT-16	UNLIMITED		1,289.15	24-OCT-16	1,289.15	Reconciled
		ENGINEERING, INC.					
372254	20-OCT-16	WALDMAN, ROBERT		93,85			Negotiable
372255	20-OCT-16	WALTERS WHOLESALE		5,116.83			Negotiable
		ELECTRIC					
372256	20-OCT-16	WANG, LINGTONG		55.13	21-OCT-16	55.13	Reconciled
372257	20-OCT-16	WANG, YUAN		25.13			Negotiable
372258	20-OCT-16	WANG, ZIXUN		27.15			Negotiable
372259	20-OCT-16	WATERWISE		1,360.00	24-OCT-16	1,360.00	Reconciled
		CONSULTING, INC.					
372260	20-OCT-16	WAXIE'S		414.32	24-OCT-16	414.32	Reconciled
		ENTERPRISES, INC					
372261	20-OCT-16	WECK LABORATORIES		2,671.00			Negotiable
0.02.01		INC					
372262	20-OCT-16	WEST COAST SAFETY		2,050.21			Negotiable
372230		SUPPLY INC					
372263	20-OCT-16	WESTERN NATIONAL		630.34			Negotiable
3,12,00		CONTRACTORS					
372264	20-OCT-16	WOOD, JOAN		24.03			Negotiable
372265	20-OCT-16			29.46			Negotiable
372266		YOON, YOUNGHOON		10.07	24-OCT-16	10.07	Reconciled
372267	20-OCT-16			123.50	24-OCT-16	123.50	Reconciled
372268	20-OCT-16			1,850.23	24-OCT-16	1,850.23	Reconciled
372269		YUN, TAEYUNG		193.83			Negotiable
372270	20-OCT-16			25.99			Negotiable
372271		ZIA, MONA		30,80	24-OCT-16	30,80	Reconciled
372272		JCI JONES	CINCINNATI	5,505.50	24-OCT-16	5,505.50	Reconciled
312212		CHEMICALS INC					
372273	20-OCT-16	Burton, Kevin L	HOME	29,00	24-OCT-16	29.00	Reconciled
372273		(Kevin)					
372274	20-OCT-16	Soto, Franklin E	HOME	80,00			Negotiable
312213		(Frank)					
372275	27-OCT-16	Collazo, Carlos C		1,712.83	31-OCT-16	1,712.83	Reconciled
3/22/3		(Carlos)					
372276	27-OCT-16	Perez, Cesar		77.76			Negotiable
3,22,70	-:	(Cesar)					
372277	27-OCT-16	Bonkowski, Leslie		149.60	31-OCT-16	149.60	Reconciled
0,221/		A (Leslie)					
372278	27-OCT-16			228.78			Negotiable
372279		Torres, Richard P		185.00			Negotiable
314413	27 001 10	(Richard)					
		D	Desigtor For	01-0CT-16 To	31-007-16	Report Date: 01	-NOV-2016 14:1

IRWD Ledger Payment Register For 01-OCT-16 To 31-OCT-16 Report Date: 01-NOV-2016 14:14

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 Page: No Page: 27

Payment Number	Sequence Num Date	Supplier Name	Site Payment Amount	Cleared Date	Cleared Amount	Status
	ent : IRWD CHECK					
372280	27-OCT-16	Sandoval, Rosa M	325,00			Negotiable
		(Rosa)			054 04	
372281		LaMar, Steven E	251.94	31-OCT-16	251.94	Reconciled
372282		Malloy, Steven L (Steven)	30,00	31-OCT-16	30.00	Reconciled
372283		Pisal, Sudhir	23.76			Negotiable
372284	27-OCT-16	Bonkowski, Thomas J (Thomas)	27.11	31-OCT-16	27.11	Reconciled
372285	27-OCT-16	Lynch, Toni Marie	172.80	27-OCT-16	172.80	Reconciled
372286	27-OCT-16	ADT SECURITY SERVICES INC	412.47			Negotiable
372287	27-OCT-16	AFLAC	7,201,14			Negotiable
372288	27-OCT-16	AFLAC	277.76			Negotiable
372289	27-OCT-16	AIRGAS, INC.	585.01	31-OCT-16	585.01	
372290	27-OCT-16	ALPHA TRAFFIC SERVICES, INC.	570.00			Negotiable
372291	27-OCT-16	AMERICAN TECHNOLOGIES, INC	4,305.07			Negotiable
372292	27-OCT-16	ANCHOR SCIENTIFIC	2,864.80	31-OCT-16	2,864.80	Reconciled
372293	27-OCT-16	AQUA-METRIC SALES COMPANY	15,776.53			Negotiable
372294	27-OCT-16	AT&T	7,400.96			Negotiable
372295		ATHENS SERVICES	16,114.90	31-OCT-16	16,114.90	Reconciled
372296		BANK OF AMERICA	23,208.09			Negotiable
372297		BARNES, BEAU	58.66			Negotiable
372298		BOYD & ASSOCIATES	120.00	31-OCT-16	120.00	Reconciled
372299		BROWN AND CALDWELL	1,462.80	31-OCT-16	1,462.80	Reconciled
372300		BTF PRECISE MICROBIOLOGY INC.	525.20			Negotiable
372301	27-OCT-16	C.H. BULL CO.	6,608.96	31-OCT-16	6,608.96	Reconciled
372302	27-OCT-16	CALIFORNIA BARRICADE RENTAL, INC.	3,805.00			Negotiable
372303	27-OCT-16	CANON FINANCIAL SERVICES, INC	1,820.15	31-OCT-16	1,820.15	Reconciled
372304	27-OCT-16	CANON SOLUTIONS AMERICA, INC.	677.25	31-OCT-16	677.25	Reconciled
372305	27-OCT-16	CAROLLO ENGINEERS, INC	1,305.50			Negotiable

372306	27-OCT-16	CDW GOVERNMENT	LLC	1,050.04	31-OCT-16	1,050.0	
372307	27-OCT-16	CERTIFIED		1,365.93	31-OCT-16	1,365.93	Reconciled
372308	27-OCT-16	TRANSPORTATION CHARLES P CROWL	EY	7,059.58			Negotiable
IRWD Ledger		COMPANY INC Payme	nt Register Fo	01-OCT-16 To			01-NOV-2016 14:14
BANK: Bank of America N.A.		ch : Los Angeles		Account: Check		Page:	28
Bank Account Currency: Payment Type: All	USD (US I	ollar)	Disp.	Payment Curr Lay Supplier Add	ency: USD (US ress: No	5 Dollar)	

Payment Number			Supplier Name	Site	Payment Amount		Cleared Amount	Status
	ent : IRWD CHE							
372309		27-OCT-16	CITY OF NEWPORT BEACH		1,116.84			Negotiable
372310		27-OCT-16	CIVILSOURCE, INC.		47,369.00			Negotiable
372311			CLEANTECH SERVICES, LLC		1,420.92	31-OCT-16	1,420.92	Reconciled
372312		27-OCT-16	CLEARINGHOUSE		477.67			Negotiable
372313		27-OCT-16	COAST PLUMBING HEATING AND AIR, INC		45,00	31-OCT-16	45.00	Reconciled
372314		27-OCT-16	COLONIAL LIFE & ACCIDENT INSURANCE	:	1,053.48			Negotiable
372315		27-OCT-16	CO. COMMERCE ENERGY INC		36.48	31-OCT-16	36.48	Reconciled
372316		27-OCT-16	COUNTY OF RIVERSIDE		50.00			Negotiable
372317		27-OCT-16	CREDENTIAL CHECK CORPORATION		92.72	31-OCT-16	92.72	Reconciled
372318		27-OCT-16	DANGELO CO		2,740.71	31-OCT-16	2,740.71	Reconciled
372319		27-OCT-16	DATA CLEAN CORPORATION		542.00			Negotiable
372320		27-OCT-16	DATAGEAR, INC.		388.72	31-OCT-16	300.72	Reconciled
372321		27-OCT-16	DATASITE INC		18,876.00			Negotiable
372322		27-OCT-16	DAVIS FARR LLP		36,000.00			Negotiable
372323			DELL MARKETING LP		9,584.84	31-OCT-16	9,584.84	Reconciled
372324		27-OCT-16	DIRECTV INC		113,55			Negotiable
372325		27-OCT-16	DUDLEY RIDGE WATER DISTRICT	₹	75,508.48			Negotiable
372326		27-OCT-16	INC		807,04	31-OCT-16	807.04	Reconciled
372327			ENVIRONMENTAL SCIENCE ASSOCIATES	5	642.50			Negotiable
372328		27-OCT-16			178.09			Negotiable
372329			FIRST CHOICE SERVICES		336,64 2,055.37	31-OCT-16	2,055.37	Negotiable Reconciled
372330		_	FISHER SCIENTIFIC COMPANY LLC			31-001-16	2,055,57	
372331			FLW, INC.		1,811.68			Negotiable
372332		27-OCT-16	BOARD		20,00			Negotiable
372333			FRONTIER CALIFORNIA INC.		100,13			Negotiable
372334		27-OCT-16	ENGINEERING, INC.		21,419.50			Negotiable
372335		27-OCT-16	GRAINGER		3,836.23	31-OCT-16	3,836,23	Reconciled
IRWD Ledger				Register Fo	or 01-OCT-16 To		Report Date: 01	
	America N.A. unt Currency: Type: All		ch : Los Angeles Dollar)	Dist	Account; Check Payment Curr Dlay Supplier Add	ency: USD (29

Cleared Amount Status Payment Number Sequence Num Date Supplier Name Payment Amount Date Payment Document : IRWD CHECK 372336 27-OCT-16 GRAYBAR ELECTRIC 7,389.29 31-OCT-16 7,389.29 Reconciled COMPANY Negotiable 27-OCT-16 GREAT PACIFIC 1,700.00 372337 EQUIPMENT INC 4,014.38 31-OCT-16 4,014,38 Reconciled 27-OCT-16 HACH COMPANY HARRINGTON 372338 850.66 31-OCT-16 Reconciled 27-OCT-16 372339 INDUSTRIAL PLASTICS LLC 27-OCT-16 HARTFORD LIFE AND 112.48 31-OCT-16 112.48 Reconciled 372340 ACCIDENT INSURANCE COMPANY HARTFORD LIFE 26,771.93 Negotiable 372341 27-OCT-16 INSURANCE COMPANY 27-OCT-16 HDR ENGINEERING 30,301.75 Negotiable 372342 INC 27-OCT-16 HELPMATES STAFFING 7,574.07 31-OCT-16 7,574.07 Reconciled 372343 SERVICES 27-OCT-16 HERITAGE FIELDS EL TORO, LLC 27-OCT-16 HILL BROTHERS CHEMICAL COMPANY 713,228.00 Negotiable 372344 Negotiable 16,741.37 372345 2,650.00 637.16 Negotiable 372346 27-OCT-16 HINSILBLON LTD Negotiable 27-OCT-16 HOME DEPOT USA INC 372347

372348	27-OCT-16	IDEXX DISTRIBUTION, INC	8,953.51	31-OCT-16	8,953.51	Reconciled
372349 372350		INGERSOLL RAND CO IRVINE PIPE &	13,213.40 2,207.19		2,207.19	Negotiable Reconciled
372351	27-OCT-16	SUPPLY INC IRVINE UNIFIED	1,162.45			Negotiable
372352	27-OCT-16	SCHOOL DISTRICT JCI JONES	4,404.40	31-OCT-16	4,404.40	Reconciled
372353	27-OCT-16		6,196.39	31-OCT-16	6,196.39	Reconciled
372354	27-OCT-16	COMPRESSORS, INC. KILL-N-BUGS TERMITE AND PEST	400,00			Negotiable
372355	27-OCT-16	CONTROL SERVICES KLEINFELDER, INC.	19,319.39			Negotiable
372356 372357		KONECRANES INC LAGUNA BEACH COUNTY WATER	1,233.36 3,316.98			Negotiable Negotiable
372358	27-OCT-16	DISTRICT LEWIS INVESTMENT	41,561.11			Negotiable
372359	27-OCT-16	COMPANY, LLC MARINA LANDSCAPE MAINTENANCE, INC.	1,193.47			Negotiable
IRWD Ledger	I A Branc			31-OCT-16	Report Date: 01-	-NOV-2016 14:14
Bank Account Curre Payment Type: Al	ency: USD (US D	ollar)	Register For 01-0CT-16 To Account: Chec Payment Cur Display Supplier Ad	rency: USD (thress: No	JS Dollar)	50
			Site Payment Amoun		Cleared Amount	Status
Payment Document : IRV	ID CHECK					
372360 372361		MARVIN GARDENS LLC MBC APPLIED ENVIRONMENTAL	2,720.06 1,300.00	28-OCT-16 31-OCT-16	2,720.06 1,300.00	Reconciled Reconciled
372362		SCIENCES MORGAN COMPANY	1,352.97	31-OCT-16	1,352,97	Reconciled
372363	27-OCT-16	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	215,038.19			Negotiable
372364	27-OCT-16	NATIONAL READY MIXED CONCRETE CO.	1,256.24	31-OCT-16	1,256,24	Reconciled
372365 372366		O.I. ANALYTICAL OLIN CORPORATION	196.73 5,782.53	31-OCT-16	5,782.53	Negotiable Reconciled
372367	27-OCT-16	ON ASSIGNMENT LAB SUPPORT	2,380.00	31-OCT-16	2,380.00	Reconciled
372368	27-OCT-16	ORANGE COUNTY AUTO PARTS CO	264.55	31-OCT-16	264.55	Reconciled
372369	27-OCT-16	ORANGE COUNTY SHERIFF'S OFFICE	62,50			Negotiable
372370	27-OCT-16	ORRICK, HERRINGTON & SUTCLIFFE LLP	175,000.00			Negotiable
372371 372372		PACIFIC SALES PAULUS ENGINEERING INC	3,785.36 17,253.48	31-OCT-16	17,253.48	Negotiable Reconciled
372373 372374		PAYNE & FEARS LLP PERS LONG TERM CARE	17,625,42 900,58			Negotiable Negotiable
372375	27-OCT-16	PMC ENGINEERING	4,589.95	31~OCT-16	4,589.95	Reconciled
372376	27-OCT-16	PRE-PAID LEGAL SERVICES INC	1,531.10		0	Negotiable
372377	27-OCT-16		2,380.00			Negotiable
372378	27-OCT-16	REACH EMPLOYEE ASSISTANCE INC	946,40			Negotiable
372379	27-OCT-16	REFRIGERATION SUPPLIES DISTRIBUTOR	411.75			Negotiable
372380	27-OCT-16	RESPONSE ENVELOPE,	2,624.40			Negotiable
372381	27-OCT-16	RICHARD C. SLADE & ASSOCIATES LLC	1,051.00			Negotiable
372382	27-OCT-16	RINCON TRUCK CENTER INC.	60,257.10			Negotiable
372383 372384		RITE AID PHARMACY RON TURLEY ASSOCIATES INC	1,980.00 2,550.00	31-OCT-16	2,550.00	Negotiable Reconciled
IRWD Ledger BANK: Bank of America N Bank Account Curre Payment Type: Al	ncy. obb (ob b	Payment h : Los Angeles	Register For 01-0CT-16 To Account: Checl Payment Curr Display Supplier Add	cing AP and PR cency: USD (U	Report Date: 01- Page: 3 US Dollar)	NOV-2016 14;14 1
			Site Payment Amount		Cleared Amount	
Payment Document : IRW					*****	
372385	27-OCT-16	RYAN HERCO	681,74	31-OCT-16	681.74	Reconciled
372386	27-OCT-16	PRODUCTS CORP SANTA MARGARITA	179.09	31-OCT-16	179.09	Reconciled
		FORD				

372387		27-OCT-16	SHAMROCK SUPPLY CO	93.31	31-OCT-16	93.31	Reconciled
			INC				
372388		27-OCT-16	SIGNATURE FLOORING INC	2,372.50			Negotiable
372389		27-OCT-16	SMISSEN, JENNIFER	138.67			Negotiable
372390			SOFTWAREONE INC	4,427,73			Negotiable
372391			SOUTH COAST AIR	958,42			Negotiable
3,2332		27 001 10	QUALITY MANAGEMENT DISTRICT	3001.12			negociable
372392		27-OCT-16		151,68			Negotiable
312392		27-001-10	CO.	131.66			Negotiable
372393		27-OCT-16		91,705.89	31-OCT-16	01 705 00	D
312393		27-001-16		91,705.89	31-0CT-16	91,705.89	Reconciled
			CALIFORNIA EDISON				
270204			COMPANY				
372394		27-OCT-16		20,000.00			Negotiable
			CALIFORNIA				
			REGIONAL RAIL				
			AUTHORITY				
372395		27-OCT-16	SOUTHERN COUNTIES	3,044.91			Negotiable
			LUBRICANTS LLC				
372396		27-OCT-16	SPARKLETTS	478.69			Negotiable
372397		27-OCT-16	STANDARD & POOR'S	35,750.00			Negotiable
			FINANCIAL SERVICES				
			LLC				
372398		27-OCT-16	STANTEC CONSULTING	12,067.79			Negotiable
			SERVICES INC.				3
372399		27-OCT-16	SUNSHINE SUPPLY	2,823,12	31-OCT-16	2,823,12	Reconciled
			COMPANY, INC.	-,,		-,	
372400		27-OCT-16	TEKDRAULICS	5,785,87			Negotiable
372401			TESTAMERICA	52.50			Negotiable
0,5101		2, 001 10	LABORATORIES, INC	02,00			Megociabie
372402		27-OCT-16	THE IRVINE COMPANY	2,658,00	31-OCT-16	2,658.00	Reconciled
372402		27 001 10	LLC	2,030.00	31 001 10	2,030.00	Reconciled
372403		27-0CT-16	TRI COUNTY PUMP	1,182,60	31-OCT-16	1,182,60	Reconciled
372403		27-001-10	COMPANY	1,102,00	31-001-10	1,102.00	Reconciled
372404		27 OCM 16	TROJANOWSKI,	17.54			M L. J L. J
3/2404		27-001-16		17.54			Negotiable
270405		07 ogm 16	SEBASTIAN	2 626 54	04 000 45	0.404.54	
372405		27-0CT-16	TROPICAL PLAZA	8,626.51	31-OCT-16	8,626.51	Reconciled
			NURSERY INC				
372406		27-OCT-16	TUTTLE-CLICK FORD	33,335.39			Negotiable
			LINCOLN				
IRWD Ledger				ster For 01-OCT-16 To		Report Date: 01-	
BANK: Bank of			h : Los Angeles	Account: Checki			2
Bank Acc	ount Currency	: USD (US D	ollar)	Payment Curre	ency: USD (U	S Dollar)	
Daymon	t Turou All			Dieplay Cupplion Adds	OGG I DDOO		

Display Supplier Address:

2,884.00

1,169.69

4,224.24

386.19

165.00

165.00

7,576.29

28-OCT-16

31-OCT-16

Cleared

Supplier Name Payment Amount Date Payment Number Sequence Num Date Site Cleared Amount Status Payment Document : IRWD CHECK UNITED PARCEL SERVICE INC 372407 27-OCT-16 94.00 31-OCT-16 94.00 Reconciled 372408 27-OCT-16 630.56 Negotiable SERVICES OF CALIFORNIA INC 372409 27-OCT-16 UNITED WAY OF ORANGE COUNTY 795.00 Negotiable 372410 27-OCT-16 US BANK NAT'L 71,061.47 Negotiable ASSOCIATION NORTH DAKOTA 27-OCT-16 27-OCT-16 USA BLUEBOOK VHG LABS, INC 372411 543.63 Negotiable 372412 131.00 Negotiable 372413 27-OCT-16 WALTERS WHOLESALE 2,217.85 31-OCT-16 2,217.85 Reconciled ELECTRIC 372414 27-OCT-16 WARE MALCOMB 61,724.97 Negotiable WASTE MANAGEMENT OF ORANGE COUNTY 372415 27-OCT-16 1,536.16 31-OCT-16 1,536.16 Reconciled 372416 27-OCT-16 WATERLINE 6,832.50 31-OCT-16 6,832.50 Reconciled TECHNOLOGIES INC 372417 27-OCT-16 WATERWISE 1,122.00 31-OCT-16 1,122.00 Reconciled CONSULTING, INC. 372418 27-OCT-16 WAXIE'S 1,144.33 Negotiable ENTERPRISES, INC 372419 27-OCT-16 WECK LABORATORIES 450.00 31-OCT-16 450.00 Reconciled INC 372420 27-OCT-16 WEST COAST SAND & 903.32 31-OCT-16 903,32 Reconciled GRAVEL INC. 372421 WESTERN 516.00 Negotiable EXTERMINATOR COMPANY 372422 27-OCT-16 WESTERN SAFETY 1,620.00 31-OCT-16 1,620.00 PRODUCTS INC

27-OCT-16

27-OCT-16

27-OCT-16 27-OCT-16

28-OCT-16

WESTERN WEATHER

GROUP INC YING, QIANQIAN YSI, INC

JOSHUA MILLER

28-OCT-16 MICHELLE YUE

31-OCT-16 JCI JONES

YSI, INC
WILLIAM W. JONGSMAPURCHASE
KLINE, KATHY PAY

TURF

REBATE

REBATE

CINCINNATI

TURF

372423

372426

372428

372429

372430

Negotiable

Negotiable

Negotiable

Negotiable

Reconciled

Reconciled

Negotiable

Negotiable

386.19

165.00

CHEMICALS INC

IRWD Ledger

BANK: Bank of America N.A.

Bank Account Currency: USD (US Dollar)

Payment Type; All

CHEMICALS INC

Payment Register For 01-OCT-16 To 31-OCT-16 To 31-OCT-16 To 01-NOV-2016 14:14

Account: Checking AP and PR Page: 33

Payment Currency: USD (US Dollar)

Payment Type; All

	Date	Supplier Name	Site	Payment Amount		Cleared Amount	Status
Payment Document : IRWD CH							-
P	ayment Docu	ment Subtotal:		7,719,713.68		5,183,871.53	
Payment Document : IRWD Wi:	re						
11736	04-OCT-16	YORK INSURANCE SERVICES GROUP INC	PAY C	8,741.76			Negotiable
11737	04-OCT-16	- CA YORK INSURANCE SERVICES GROUP INC	PAY	8,849.22			Negotiable
11738	10-OCT-16	- CA EMPLOYEE BENEFIT	PAY	14,079.12			Negotiable
11739	10-OCT-16	SPECIALIST, INC CALPERS	SACRAMENTO	430,647.96			Negotiable
11740	10-OCT-16	BANK OF AMERICA	1 SAN	68,072.17			Negotiable
11741	10-OCT-16	SUMITOMO MITSUI BANKING	FRANCISCO NEW YORK	28,886.07			Negotiable
11742	10-OCT-16	CORPORATION BANK OF NEW YORK MELLON TRUST	NEWARK	14,786.48			Voided
11743	10-OCT-16	COMPANY NA SUMITOMO MITSUI BANKING	NEW YORK	63,933.68			Negotiable
11744	10-OCT-16	CORPORATION BANK OF NEW YORK MELLON TRUST	NEWARK	2,660,861.88			Negotiable
11745 .	12-OCT-16	COMPANY NA YORK INSURANCE SERVICES GROUP INC	PAY C	19,886.45			Negotiable
11746	12-OCT-16	- CA SUMITOMO MITSUI BANKING	NEW YORK	6,936.01			Negotiable
11747	12-OCT-16	CORPORATION U.S. BANK NATIONAL	LPAY	2,531,896.19			Negotiable
11748	12-OCT-16	ASSOCIATION BANK OF AMERICA	SAN	2,530,724.05			Negotiable
11749	12-OCT-16	INTERNAL REVENUE	FRANCISCO FRESNO	393.83			Negotiable
11750	12-OCT-16	SERVICE FRANCHISE TAX	SACRAMENTO	44.79			Negotiable
11751	12-OCT-16	BOARD EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	34.96			Negotiable
RWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All		Payment ch : Los Angeles		n 01-0CT-16 To Account: Check Payment Curr Lay Supplier Add:	ing AP and PR ency: USD (US		NOV-2016 14:
					Cleared	4	
ayment Number Sequence Num				Payment Amount		Cleared Amount	Statu
Payment Document : IRWD Wi	re						
11752	17-OCT-16	FILANC-BALFOUR BEATTY JV	ACT 4427724347	2,323,512,78			Negotiable
11753	17-OCT-16	FILANC-BALFOUR BEATTY JV	ESR 211084000	258,168.09			Negotiable
11754	18-OCT-16	YORK INSURANCE SERVICES GROUP INC - CA	PAY	7,330.14			Negotiable
11755 11756		KIM, JENNY MUNICIPAL WATER DISTRICT OF ORANG	TUSTIN FOUNTAIN EVALLEY	11.47 855,283.17			Negotiable Negotiable
11757	18-OCT-16	COUNTY MUNICIPAL WATER DISTRICT OF ORANG	FOUNTAIN EVALLEY	423,640.80			Negotiable
11758	18-OCT-16	COUNTY U.S. BANK NATIONA	LPAY	88,329.37			Negotiable
11759	20-OCT-16	ASSOCIATION PCL CONSTRUCTION,		400,499.29			Negotiable
		INC. PCL CONSTRUCTION,	6971821722 ESR	76,429.90			Negotiable
11760	20-OCT-16						
		INC. U.S. BANK NATIONA	141511.1	9,013.66			Negotiable
11760 11761 11762		INC. U.S. BANK NATIONA ASSOCIATION	141511.1 LST. LOUIS				Negotiable Negotiable

	11764	24-OCT-16	EMPLOYMENT DEVELOPMENT	W SACRAMENTO	9,361.96			Negotiable
	11765	24-OCT-16	DEPARTMENT ORDONEZ, CYNTHIA	DESERT HOT	500.77			Negotiable
	11766	24-0CT-16	MARIE CALIFORNIA	SPR SACRAMENTO	2,866.13			Negotiable
	11700	24 001 10	DEPARTMENT OF CHILD SUPPORT SERVICES	011014112111	2,000120			
	11767	24-OCT-16	EMPLOYEE BENEFIT	PAY	9,567.36			Negotiable
	11768	24-OCT-16	SPECIALIST, INC GREAT-WEST LIFE & ANNUITY INSURANCE		109,468.14			Negotiable
	11769	25-OCT-16	COMPANY YORK INSURANCE SERVICES GROUP IN	PAY	9,913.99			Negotiable
	11770	28-OCT-16	- CA BANK OF NEW YORK MELLON TRUST	NEWARK	11,479.17			Negotiable
	IRWD Ledger		COMPANY NA Payment	Register Fo	or 01-0CT-16 To	31-OCT-16	Report Date: 01-	NOV-2016 14:14
	IRWD Ledger BANK: Bank of America N.A. Bank Account Currency: Payment Type: All	Branc USD (US D	th : Los Angeles pollar)	Disp	Account: Checki Payment Curre play Supplier Addi	ing AP and PR ency: USD (US ress: No	Page: 3 Dollar)	5
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	11771	28-OCT-16	BANK OF NEW YORK	NEWARK	11,479.17			Negotiable
	11770		MELLON TRUST COMPANY NA					Negotiable
	11772		BANK OF NEW YORK MELLON TRUST COMPANY NA					Negotiabie
	11773	28-OCT-16	U.S. BANK NATIONA ASSOCIATION	LPAY	14,786.48			Negotiable
	11774	28-OCT-16	U.S. BANK NATIONA	LPAY	5,794,250.00			Negotiable
	11775	28-OCT-16	ASSOCIATION BANK OF NEW YORK MELLON TRUST	NEWARK	3,750.00			Negotiable
	11776	28-OCT-16	COMPANY NA BANK OF NEW YORK MELLON TRUST	NEWARK	1,711.11			Negotiable
	11777	28-OCT-16	COMPANY NA BANK OF NEW YORK MELLON TRUST	NEWARK	60,937.50			Negotiable
	11778	28-OCT-16	COMPANY NA BANK OF NEW YORK MELLON TRUST	NEWARK	17,500.00			Negotiable
	11779	28-OCT-16	COMPANY NA BANK OF NEW YORK MELLON TRUST	NEWARK	1,895.83			Negotiable
	11780	28-OCT-16	COMPANY NA BANK OF NEW YORK MELLON TRUST	NEWARK	62,812,50			Negotiable
	11781	28-OCT-16	COMPANY NA BANK OF NEW YORK MELLON TRUST	NEWARK	2,812.50			Negotiable
	11782	28-OCT-16	COMPANY NA BANK OF NEW YORK MELLON TRUST	NEWARK	311.11			Negotiable
	11783	28-OCT-16	COMPANY NA BANK OF NEW YORK MELLON TRUST	NEWARK	9,965.28			Negotiable
	11784	31-OCT-16	COMPANY NA BANK OF NEW YORK	NEWARK	26,631.94			Negotiable
	11785	31-OCT-16	MELLON TRUST COMPANY NA INTERNAL REVENUE	FRESNO	186,757.70			Negotiable
	11786	31-OCT-16	SERVICE FRANCHISE TAX	SACRAMENTO	51,910.70			Negotiable
	IRWD Ledger		BOARD		or 01-0CT-16 To	31-OCT-16	Report Date: 01-	
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	11787		EMPLOYMENT DEVELOPMENT	W SACRAMENTO	8,720.64			Negotiable
	11788	31-OCT-16	DEPARTMENT ORDONEZ, CYNTHIA					Negotiable
	11789		MARIE CALIFORNIA	SPR SACRAMENTO				Negotiable
			DEPARTMENT OF CHILD SUPPORT SERVICES		_,			

11790

Negotiable

11791

31-OCT-16 EMPLOYEE BENEFIT PAY 10,067.64
SPECIALIST, INC
31-OCT-16 GREAT-WEST LIFE & DENVER 109,535.76
ANNUITY INSURANCE COMPANY

Negotiable

Payment Document Subtotal:

19,600,063.54

Report Count : 920

Bank Account Subtotal: 27,319,777.22 5,183,871.53

Report Total: 27,319,777.22 5,183,871.53

Total Disbursement

*** End of Report ***

\$ 27,319,777.22 Disbursement <16,872.93> Voids

\$ 27,302,904.29 Total Voids and Disbursements

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-OCT-16 to 31-OCT-16

NAME	CHECK NUMBER	CHECK DATE	TRANSACTION	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Olivolo, Eric J (Eric)	371573	6-Oct-16	185.28	Other(Misc)	Safety Shoe Allowance
Chaney, David (Dave)	371572	6-Oct-16	260.00	Membership/Certifica	Dave Chaney - CWEA
Oldewage, Lars D (Lars)	371577	6-Oct-16	213.12	Auto Rental	LABWORKS 2016 Annual
Bennett, Ray R (Ray)	371582	6-Oct-16	165.24	Mileage	Rosedale Drip Project
O'Neill, Owen H	371580	6-Oct-16	172.00	Membership/Certifica	Owen O'Neill - CWEA
Stuvick, Lindsey R	371578	6-Oct-16	285.19	Lodging	Data Collaborative Water
Sidlin, Wayne	371584	6-Oct-16	172.00	Membership/Certifica	Wayne Sidlin - CWEA Lab
Pan, Jenny W (Jenny)	371854	13-Oct-16	106.46	Other(Misc)	SIT EBS Upgrade & ID
Oldewage, Lars D (Lars)	371856	13-Oct-16	125.00	Other(Misc)	Safety Shoe
Fike, Ethan O (Ethan)	371853	13-Oct-16	115.68	Membership/Certifica	Ethan Fike - CSUS Class Fee
McBride, Damien J	372071	20-Oct-16	172.00	Membership/Certifica	Damien McBride - CWEA
Moeder, Jacob J (Jacob)	372073	20-Oct-16	330.00	Membership/Certifica	ASCE & WEF membership
Moeder, Jacob J (Jacob)	372073	20-Oct-16	295.00	Membership/Certifica	ASCE & WEF membership
McElroy, Dorien	372072	20-Oct-16	155.00	Membership/Certifica	Dorien McElroy - CWEA
Steinbeck, Brandon C	372070	20-Oct-16	107.56	Other(Misc)	safety shoe allowance
LaMar, Steven E	372281	27-Oct-16	137.08	Lodging	Expense Report Sept 2016
Lynch, Toni Marie	372285	27-Oct-16	172.80	Other(Misc)	Safety Shoe Allowance
Sandoval, Rosa M (Rosa)	372280	27-Oct-16	325.00	Other(Misc)	Customer Service Week
Bonkowski, Leslie A (Leslie)	372277	27-Oct-16	149.60	Other(Misc)	Shadetree Partnership
Torres, Richard P (Richard)	372279	27-Oct-16	185.00	Membership/Certifica	Richard Torres - CWEA

Total Amount: 3,829.01

November 28, 2016

Prepared and

submitted by: C. Compton 4

Approved by: Paul Cook

ACTION CALENDAR

REVIEW OF 2016 LEGISLATIVE ACTIVITIES AND 2017 LEGISLATIVE PLANNING

SUMMARY:

This report provides a review of IRWD's 2016 legislative priorities and government relations activities, and an overview of expected 2017 legislative and regulatory issues in Washington, D.C., Sacramento, and regionally. Also described are proposals that the District's associations and stakeholders are considering for sponsorship. The report proposes an initial 2017 staff resource allocation plan for legislative and regulatory issues of importance to IRWD in the coming year. Staff recommends that the Board provide input on the proposed 2017 regional, state and federal legislative issues of interest to IRWD, and adopt the proposed Initial 2017 Legislative and Regulatory Resource Allocation Plan and the Legislative / Regulatory Issues and Activities of High Concern to IRWD in 2017.

BACKGROUND:

2016 IRWD Priorities and Activities:

In November 2015, the Board reviewed an overview of expected 2016 legislative issues in Washington, D.C. and Sacramento, including proposals the District's statewide associations were considering for introduction. At that time, the Board adopted the Initial 2016 Legislative and Regulatory Resource Allocation Plan and the Legislative / Regulatory Issues and Activities of High Concern to IRWD in 2016, which guided the District's governmental relations activities this year.

The 2016 priorities directed staff to engage in policy discussions to protect IRWD's revenues and the District's ability to use its water budget-based tiered rate structure to respond to the drought and water supply shortage. The priorities also directed staff to engage in discussions regarding water and sewer rates reform measures, conservation and drought regulations, the expanded use of recycled water, and energy efficiency in the water and wastewater sectors. Over the last year, staff and IRWD's state legislative advocate have worked on each of these issues and other state issues of importance to the District including the groundwater management, storm-induced overflow restrictions, and other State Water Resources Control Board (State Board) regulations.

At the federal level, IRWD and IRWD's federal legislative advocate engaged on legislation defining environmental infrastructure projects, federal drought legislation, and the Water Resources Development Act (WRDA). Additionally, the District promoted the Syphon Reservoir Recycled Water Storage Project, engaged productively on legislation proposing a Santa Ana Mountains to Sea National Monument, and advocated for the reauthorization of the Bureau of Reclamation's Water Reclamation and Reuse Program (Title XVI).

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At the local level, IRWD continued to work to build stronger relationships with its community stakeholders.

Expected 2017 Federal Legislative Issues:

It is expected that the 115th Congress will tackle a number of issues of interest to the water and wastewater communities. Staff and IRWD's federal legislative advocate discussed the expected 2017 political environment and federal issues with the Committee. IRWD's federal legislative advocate will visit with the Board early next year to discuss the expected political environment and federal issues for 2017. More information is also provided below on several key issues of interest to the District.

Passage of the Water Resources Development Act and Defining Environmental Infrastructure Projects:

In June 2015, Representative Mimi Walters (R-CA) introduced H.R. 2689 in response to a U.S. Army Corps of Engineers' decision that it would not consider water resources projects and water resources development projects as falling within the definition of environmental infrastructure projects. This decision made water resource projects ineligible under WRDA. IRWD worked throughout the year with Representative Walters to support the passage of H.R. 2689, which did not move forward, and sought to have the provisions of H.R. 2689 included in the House version of WRDA 2016. As of the writing of this report, the House of Representatives and the United State Senate have passed different versions of WRDA, neither of which includes the language sought by IRWD. It is unclear if the bill will move from conference before the 114th Congress adjourns in December. In 2017, IRWD will continue to strategically work in support of a clarification of the definition of environmental infrastructure projects, where appropriate, in the 115th Congress. IRWD will also continue to advocate for Congress to return to the passage of WRDA every two years.

Tax Parity for Water Efficiency Rebates:

As a means of encouraging greater water use efficiency and conservation, public water agencies throughout California have developed programs offering their customers rebates for the installation of water saving devices and landscapes. Last year, it became apparent that water use efficiency rebates are considered income and taxable under the Internal Revenue Code. This treatment of water efficiency rebates is different from energy efficiency rebates because Congress provided an express exception for energy conservation subsidies in the Energy Policy Act of 1992.

In 2016, IRWD supported congressional efforts to provide tax parity for water conservation rebates. Despite many conversations about the need for tax parity between water and energy efficiency rebates, tax parity has yet to be enacted. Given California's ongoing drought, it is expected that the tax parity issue will continue to be a topic of discussion within Congress and an issue of interest to IRWD.

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Title XVI Authorization:

The Bureau of Reclamation's Water Reclamation and Reuse Program (Title XVI) identifies and investigates opportunities to reclaim and reuse wastewater and naturally impaired ground and surface water in the 17 Western States and Hawaii. Title XVI allows the Bureau of Reclamation to provide local projects proponents in the named states funding for the planning, design, and construction of water recycling and reuse projects. As currently enacted, only projects that have been authorized by Congress are eligible for funding, and as a result of the earmark ban new projects have not been authorized. Given the significant role Title XVI has played in the development of water recycling and reuse projects, IRWD has supported the establishment of a new authorization process for qualified water supply projects through the existing Title XVI program. IRWD will continue to work strategically in support of Title XVI reauthorization in 2017.

U.S. Army Corps of Engineers and Bureau of Reclamation Atmospheric River Research Funding and Reservoir Reoperation Process:

The U.S. Army Corps of Engineers currently uses long-term averages of winter storms and spring runoff to manage dams and reservoir levels for flood control. Recent advances have found that up to half of California's total annual precipitation, and almost all of its floods, are caused by atmospheric river rain events. This means that the risk of flooding is dependent upon the atmospheric river storms that flow over California.

Research of atmospheric rivers shows promise that the size and strength of an atmospheric river may be able to be predicted several days before landfall so that those predictions could potentially be used in flood control and water management models. With this new information, it has become more clear that traditional dam operations to mitigate flood risks, which are based on long-term averages of precipitation, are no longer appropriate. Despite the advancements in atmospheric river forecasting, more research is needed so that atmospheric river forecasts can be tailored for water managers and incorporated into dam management. IRWD, in concept, has supported and will continue to support federal programs and funding for atmospheric river research aimed at improving the U.S. Army Corps of Engineers' and Bureau of Reclamation's reservoir operations.

Additionally, the District will continue to seek appropriate language requiring the U.S. Army Corps of Engineers and Bureau of Reclamation to consider reoperation of a reservoir when requested to do so by a water agency downstream of the reservoir, and language allowing a water agency downstream of the reservoir to propose and fund improvements in reservoir operations, if it is in its interest.

Water Allocations from the Colorado River:

Seven western states rely on the Colorado River as a source of water supply for their residents. Beginning nearly a century ago, the water of the Colorado River has been allocated to each state and Mexico through various compacts, agreements and statutes – collectively known as The Law of the Colorado River. The Law of the Colorado River also establishes how water allocations will be impacted when there is a shortage along the river. In light of the extended drought in the

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Upper and Lower Colorado River Basins, states that would receive the largest cutback in their water allocations are interested in changing the allocation priorities of the river. There has been some discussion regarding proposed changes in Washington, D.C. Given IRWD's interest, the District will closely monitor this issue in 2017 and engage where appropriate.

Expected 2017 Statewide Legislative Issues:

As California continues to face the historic drought, it is expected that the California Legislature will take up a number of issues of interest to the water and wastewater communities in 2017. Staff and IRWD's state legislative advocate will discuss the expected 2017 political environment and state issues with the Board. More detailed information is also provided below on several expected issues of significant importance to the District.

Enactment of a Long-term Conservation Framework and Adoption of Continued Emergency Conservation Regulations:

In response to the five-year statewide drought, Governor Brown issued Executive Order B-29-15 on April 1, 2015, mandating a 25% reduction in statewide potable water use between June 2015 and February 2016. On May 5, 2015, the State Board adopted an Emergency Regulation to implement the provisions of the Executive Order. On May 9, 2016, Governor Brown issued his most recent drought-related executive order, Executive Order B-37-16. The recent order requires the state to transition from the temporary restrictions implemented during the drought to a statewide long-term conservation framework that aligns with the objective of the California Water Action Plan to "Make Conservation a California Way of Life."

Over the last several months the California Department of Water Resources (DWR) and the State Board have been working to develop the long-term conservation framework. While these state agencies have statutory authority to implement portions of the framework, legislation will be required to implement a majority of the new framework. Legislation on the framework is expected in 2017. Additionally, in early 2017, the State Board will consider modifying or extending the emergency drought regulations-related urban water conservation. IRWD will continue to engage productively on the long-term conservation framework and emergency drought regulations, and will continue to advocate for policies that recognize the need for flexibility and regional differences such as growth, climate, and local investments in water recycling and extraordinary supplies.

Prohibition on Ocean Discharges:

In 2016, SB 163, authored by Senator Bob Hertzberg (D, Van Nuys), proposed a ban on ocean discharge of treated wastewater. Specifically, the bill would have declared that the discharge of treated wastewater from ocean outfalls, except in compliance with the bill's provisions, is a waste and unreasonable use of water in light of the cost-effective opportunities to recycle water for further beneficial use. While Senator Hertzberg did not move SB 163 forward in 2016, he has stated that he will reintroduce the proposal in 2017. Staff has been working with a coalition led by the California Association of Sanitation Agencies and WateReuse California to discuss the coalition's plan of action on any reintroduction on SB 163. IRWD will engage and be a key member of the coalition as it did in 2016.

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Proposition 218 Reforms:

Since Capistrano Taxpayers Association, Inc. v. City of San Juan Capistrano, there has been significant discussion in Sacramento regarding Proposition 218 and tiered water rates. Most recently, the California Water Foundation sought legislation in 2016 to address tiered water rate structures, stormwater funding, and voluntary low income rate subsidization. Given the interest in Proposition 218 reform, it is likely that the topic will continue to be an issue of discussion in Sacramento. IRWD will continue to communicate the District's concern over any water rate legislation which is not consistent with the California Constitution, not voluntary in nature, or that does not provide sufficient clarity or flexibility to water agencies. As authorized by the Board, staff will continue to work with interested parties on issues related to tiered water rates.

As discussions surrounding water infrastructure funding continue, and if a public goods charge for water is raised in those discussions, IRWD will engage with the District's industry and association partners to oppose a public goods charge for water consistent with the Board-adopted policy principle.

Recycled Water Use in Decorative Lakes and Storm-induced Overflow Restrictions:

As California continues to deal with drought facing increasing demands on its fresh water resources, regulatory challenges related to storm-induced overflow restrictions on recycled water impoundments continue to limit water suppliers' abilities to expand recycled water use. One such use is the use of recycled water in decorative lakes. While the use is permitted, storm-induced overflow restrictions discourage the use of recycled water in these decorative bodies of water.

The State Board's *Recycled Water Policy* requires certain practices related to recycled water impoundments including the "Management of any ponds containing recycled water such that no discharge occurs unless the discharge is a result of a 25-year, 24-hour storm event or greater, and there is notification of the appropriate Regional Water Board Executive Officer of the discharge." In order to avoid a discharge of recycled water during the wet weather season and to ensure compliance with State Board policies, some Regional Water Quality Control Boards require the drawdown of water levels stored in these impoundments to reduce the likelihood of a storm-induced overflow. These storm-induced overflow restrictions affect small recycled water impoundments (e.g., frost protection ponds, decorative lakes, golf course ponds) in addition to large recycled water storage facilities. In the case of very small impoundments, storm-induced overflow restrictions often limit use of the impoundment during winter months and discourage customers from using recycled water.

Given the severity of the drought, IRWD has had increased interest from Homeowners Associations (HOAs) that would like to use recycled water to refill their decorative lakes. The District has explained the regulatory challenges to these HOAs and IRWD's efforts to work with the State Board to find a solution to mitigate the impact of storm-induced overflow restrictions. Staff has continued conversations with the State Board on the use of recycled water in decorative lakes to replace evaporative water losses. Staff will continue to work towards a solution to this issue.

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California State Budget:

On October 12, 2016, State Controller Betty Yee released her monthly report on the State's finances. She announced that the State took in \$10.57 billion in revenue during the month of September. This amount was above the estimates contained in 2016-2017 Budget Act by 1.5 percent. The State closed the first quarter (July 1 through September 30, 2016) of its fiscal year with \$24.55 billion in revenues, which is 0.1 percent lower than anticipated. The State also ended September with \$28.51 billion in unused borrowable resources, which is \$2.02 billion more than expected.

Given the potential impact of the State's finances and the Fiscal Year 2017-18 Budget on IRWD, staff will continue to work with the District's associations and industry partners to monitor developments associated with the State budget and proposals related to local government revenues including property taxes and reserves, among others.

Expected 2017 Government Relations Activities and Staff Resource Allocations:

Staff will discuss with the Board a proposed list of issues of high concern to IRWD for 2017, which is attached as Exhibit "A", and an initial plan for allocating 2017 staff resources to legislative and regulatory issues, which is attached as Exhibit "B".

IRWD's state and federal legislative advocate will also participate in the discussion with the Board on legislative and regulatory issues of concern to the District.

Expected 2017 Association Proposals:

IRWD's association and industry partners are in the process of completing their 2017 legislative planning. A summary of those planning efforts is provided below:

Association of California Water Agencies:

The Association of California Water Agencies (ACWA) held its 2017 legislative planning meeting on October 21, 2016. ACWA will pursue greater funding for biomass generation within California and will be meeting with the Administration to discuss the likelihood of support for another biomass bill. In January, the ACWA State Legislative Committee will determine if the association will sponsor legislation on biomass in 2017. Additionally, ACWA will be engaged in discussions regarding water conservation and the long-term conservation framework in 2017.

Bioenergy Association of California:

IRWD joined the Bioenergy Association of California (BAC) in 2013. BAC's purpose is the promotion of sustainable bioenergy production with a focus on promoting community-scale bioenergy generation from a wide range of sustainably available organic waste sources, including dairy and agricultural waste, food and food processing waste, water treatment waste, other organic urban waste, and forest biomass. BAC's annual planning, development of its legislative priorities and possible legislative proposals will occur at its membership meeting on December 6. The meeting agenda has yet to be released. Staff will work through the California

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Association of Sanitation Agencies (CASA) to ensure that the wastewater sector has representation on the BAC Board of Directors and to encourage BAC to prioritize issues of interest to the wastewater section in 2017. Staff will provide the Board with an update on any new developments.

California Municipal Utilities Association:

CMUA held its 2017 legislative and regulatory planning meeting on November 9. CMUA's Legislative Committee decided not to sponsor a bill banning metallic balloons, as had been suggested by one CMUA member. Staff will provide the Board with an update on any new developments.

California Association of Sanitation Agencies:

CASA has not met to discuss its 2017 legislative and regulatory efforts. The planning meeting will be held on December 9. As of the writing of this report, no specific proposals or topics have been released for consideration at the meeting. Staff will provide the Board with an update on any new developments.

California Special Districts Association:

The California Special Districts Association (CSDA) held its 2017 legislative and regulatory planning meeting on November 3. CSDA will co-sponsor legislation with the California State Association of Counties to provide technical clean-up to AB 2476 (Daly, 2016) related to parcel tax notifications and will co-sponsor legislation with the California Association of Local Agency Formation Commissions to require special district representation on all Local Agency Formation Commissions throughout the state. Staff will provide the Board with an update on the CSDA planning meeting and on any new developments related to these two proposals.

WateReuse California:

The WateReuse Association of California held its 2017 legislative and regulatory planning meeting on November 2. The WateReuse Association of California will sponsor legislation defining direct potable reuse and establishing a timeline for the direct potable reuse regulations.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Policy and Communications Committee on November 7, 2016.

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RECOMMENDATION:

THAT THE BOARD PROVIDE INPUT ON THE PROPOSED 2017 REGIONAL, STATE AND FEDERAL LEGISLATIVE ISSUES OF INTEREST TO IRWD, AND ADOPT THE PROPOSED INITIAL 2017 LEGISLATIVE AND REGULATORY RESOURCE ALLOCATION PLAN AND THE LEGISLATIVE / REGULATORY ISSUES AND ACTIVITIES OF HIGH CONCERN TO IRWD IN 2017.

LIST OF EXHIBITS:

Exhibit "A" – Legislative / Regulatory Issues and Activities of High Concern to IRWD in 2017 Exhibit "B" – Proposed Initial IRWD's 2017 Legislative and Regulatory Resource Allocation Plan

EXHIBIT "A"

LEGISLATIVE/REGULATORY ISSUES & ACTIVITIES OF HIGH CONCERN TO IRWD IN 2017

As a state and federal leader in water resources public policy and governance, the Irvine Ranch Water District (IRWD) has worked tirelessly to promote policy initiatives that allow the District, along with other water purveyors in California, to enhance the quality and reliability of water supplies throughout the state. While IRWD will engage in a number of legislative and regulatory issues of interest to the District, the following are issues and activities of high concern to the District in 2017.

2017 Federal Issues and Activities of High Concern:

- 1) Advocate for the establishment of a new authorization process for qualified water supply projects through the existing Bureau of Reclamation Water Reclamation and Reuse Program (Title XVI).
- 2) Advocate for legislative clarification that water resources projects and water resources development projects are considered environmental infrastructure projects and eligible for consideration under the Water Resources Development Act of 1986 and the Water Resources Reform and Development Act of 2014.
- 3) Seek appropriate statutory language requiring the U.S. Army Corps of Engineers and Bureau of Reclamation to consider reoperation of a reservoir when requested to do so by a water agency downstream of the reservoir, and language allowing a water agency downstream of the reservoir to propose and fund improvements in reservoir operations, if it is in its interest.
- 4) Support congressional efforts to enact a water resources bill every two years which includes the authorization of projects of benefit to the Orange County community.
- 5) Seek federal authorization and appropriation of funds for the Syphon Reservoir Recycled Water Storage Project. Advocacy would include promotion of the following:
 - Engaging with U.S. Army Corps of Engineers at the Area, Regional and Headquarters levels to facilitate review of the Syphon Reservoir Recycled Water Storage Project in order to obtain the Corps' recommendation for funding in its Report to Congress, and
 - Working to ensure the professional staffs of the House and Senate authorizing committees are both educated and committed to authorizing the Syphon Reservoir Recycled Water Storage Project.
- 6) Advocate for a change in the operation of the Delta, consistent with the co-equal goals of ecosystem protection and water supply reliability, and seek the federal actions necessary to implement a solution in the Bay Delta, consistent with IRWD's Bay Delta Conservation Plan (BDCP) Policy Principles and BDCP comment letters, that provides a long-term solution to California's water crisis, will provide a reliable high-quality water supply to residents, agriculture and businesses across the state; and will protect and improve the Delta ecosystem.

7) Continue to work to strengthen relationships with Members of Congress, professional staff, and within Federal agencies to improve IRWD's avenues for engagement of national public policy issues of interest to the District.

2017 State Issues and Activities of High Concern:

- 1) Protect IRWD's revenues and the District's ability to use its water budget-based tiered rate structure to respond to the drought and water supply shortages.
- 2) Engage in discussions surrounding water and wastewater infrastructure financing including discussions related to Proposition 218 reforms to protect IRWD's interests and oppose efforts to establish a public goods charge on water consistent with the Board's adopted policy.
- 2) Engage in discussions surrounding legislation to mandate elimination of ocean discharges in order to protect the District's interest.
- 3) Engage with the Legislature and the State Board on the development and enactment of a long-term conservation framework for California and on any additional emergency conservation regulations. Advocate for policies that provide local agencies flexibility and recognize investments in local supplies and regional factors such as growth and climate differences. Engage with the State Board on policy, regulatory and permits issues of concern to IRWD.
- 4) Promote the expanded use of recycled water and its acceptance as a resource and not a waste by advocating for the removal of hindrances to recycled water projects. Advocacy would include promotion of the following:
 - Removal of recycled water as a waste, including address recycled water discharge requirements;
 - Updating Titles 17 and 22, including relief of dual-plumbed inspection/testing requirements;
 - A "Fit for Purpose" regulatory approach for recycled water;
 - Permissive advanced indirect and direct potable water reuse regulations; and
 - Eliminating operational constrains on recycled water operations and use.
- 5) Promote policies that encourage energy reliability in Orange County and energy efficiency in the water and wastewater sectors without an increase in cost to or mandates on local entities. Advocacy would include promotion of the following:
 - Allocation of Cap-and-Trade revenues to projects that reduce the greenhouse gas emissions and energy demands in the water and wastewater sectors, and
 - Policies and incentives that encourage water and wastewater agencies to implement renewable and solar energy projects in order to offset their energy needs.

6) Advocate for a change in the operation of the Delta, consistent with the co-equal goals of ecosystem protection and water supply reliability, and seek the state actions necessary to implement a solution in the Bay Delta, consistent with IRWD's BDCP Policy Principles and BDCP comment letters, that provides a long-term solution to California's water crisis; will provide a reliable high-quality water supply to residents, agriculture and businesses across the state; and will protect and improve the Delta ecosystem.

2017 Regional Issue and Activities of High Concern:

- 1) Engage with the Santa Ana Regional Quality Control Board and community stakeholders to discuss adjusting storm-induced overflow protections and expanding use of recycled water in decorative lakes.
- 2) Engage with the South Coast Air Quality Management District to identify regulatory changes that will positively impact air quality while improving IRWD's ability to respond to emergencies and to operate its water and wastewater systems.

EXHIBIT "B" DRAFT

IRWD's Initial 2017 Legislative and Regulatory Resource Allocation Plan

Expected 2017 Legislative/Regulatory Issues	Priority for Staff Resources
FEDERAL ISSUES	
Environmental Infrastructure Projects — Advocate for legislative clarification that water resources projects and water resources development projects are considered environmental infrastructure projects and eligible for consideration under the Water Resources Development Act of 1986 and the Water Resources Reform and Development Act of 2014. Advocate for a broad definition of water resources projects and water resources development projects which includes water supply, drinking water projects, surface water protection and development programs, and wastewater infrastructure projects that increase water supply reliability such as water recycling, desalination, and stormwater collection projects.	Very High
Reservoir Reoperation – Advocate for appropriate language requiring the U.S. Army Corps of Engineers and Bureau of Reclamation to consider reoperation of a reservoir when requested to do so by a water agency downstream of the reservoir, and language allowing a water agency downstream of the reservoir to propose and fund improvements in reservoir operations, if it is in its interest.	Very High
Syphon Reservoir Recycled Water Storage Project – Engage with the U.S. Army Corps of Engineers, and Congressional staff on funding the project.	Very High
Title XVI, Water Reclamation and Reuse Program, Reauthorization – Advocate for the establishment of a new project authorization process for the U.S. Bureau of Reclamation's Title XVI Program.	Very High
Water Resource Development Act – Seek enactment of a WRDA bill every two years.	Very High
Atmospheric River Research – Advocate for federal programs and funding for atmospheric river research aimed at improving the U.S. Army Corps of Engineers' and Bureau of Reclamation's reservoir operations.	High
California Water Fix Implementation – Advocate for a change in the operation of the Delta, consistent with the co-equal goals of ecosystem protection and water supply reliability to respond to the drought; seek the federal actions necessary to implement a permanent solution in the Bay Delta.	High
Tax Parity for Water Efficiency Rebates – Advocate for tax parity between water and energy efficiency rebates.	High
Total Maximum Daily Load Limits – Advocate that the Environmental Protection Agency use the best available science when setting Total Maximum Daily Load (TMDL) limitations related to Clean Water Act compliance and approve TMDLs for California based on relevant studies related to California's environment and local conditions.	High
Clean Water Act Definition of "Waters of the U.S." – Support efforts to modify the definition of "Waters of the U.S." to limit impacts to IRWD, including IRWD's reservoirs. Obtain a "Waters of the U.S." exemption for the constructed treatment wetlands and IRWD facilities.	*Staff proposes, if legislative action looks promising

and/or the courts

	have ruled against the new WOTUS rule, that the resource allocation be changed to very high.
Tax-Exempt Municipal Bonds — Maintain the current tax-exempt status of municipal bonds; oppose efforts to place a cap on tax-exempt municipal bonds as part of any federal tax reform measure. Oppose prohibitions on the use of tax-exempt bonds if a local government uses WIFI or any similar program.	Moderate *Staff proposes, if a significant threat is raised again taxexempt municipal bonds, that the resource allocation be changed to very high.
Water Allocations from the Colorado River — Monitor discussions related to the Colorado River and advocate for policies that would fairly protect California's and IRWD's interests in the Colorado River.	Moderate *Staff proposes, if a significant threat is raised against California's water rights, that the resource allocation be changed to very high.
Water Supply/Reliability Projects – Support federal investment in water supply and reliability projects including large surface storage.	Low *Proposed IRWD resource allocation is low because staff will work through IRWD's association and industry partners on this issue.
STATE ISSUES	
Conservation, Water Use Efficiency and Water Shortage Contingency Plans – Engage productively in policy discussions related to a long-term conservation framework for California and changes in the requirements for water shortage contingency plans.	Very High
Limitations on Ocean Discharges – Engage productively in discussions surrounding proposals to eliminate ocean discharges to protect the District's interests. Support efforts to promote funding of treatment process upgrades that improve water quality and reuse options.	Very High
Proposition 218 Reforms – Engage in discussions surrounding Prop. 218 reform efforts to protect IRWD's interests. Communicate the District's concern over any water rate legislation which is not consistent with the California Constitution, not voluntary in nature, or that does not provide sufficient clarity or flexibility to water agencies.	Very High
Public Goods Charge on Water – Oppose a statewide user fee consistent with IRWD's Water Infrastructure Financing Policy Paper.	Very High

Expected 2015 Legislative/Regulatory Issues

 Recycled Water – Promote the expanded use of recycled water, and its acceptance as a resource, by advocating for the removal of hindrances to recycled water projects and storage. Seek to: Remove recycled water as a waste, including address recycled water discharge requirements. Update Titles 17 and 22, including relief of dual-plumbed inspection/testing requirements. Promote a "Fit for Purpose" regulatory approach for recycled water. Promote permissive advanced indirect and direct potable water reuse regulations. Eliminate operational constrains on recycled water operations and use. 	Very High
Revenues – Protect IRWD's revenue sources, and seek measures to ensure reliability in revenues.	Very High
State Board – Engage with the State Board on any further conservation regulations and advocate for continued recognition of local supply conditions, growth, climate differences, extraordinary supplies and IPR projects. Engage with the State Board on policy, regulatory and permits issues of concern to IRWD including the Water Quality Enforcement Policy, the Statewide Mercury Program, the Environmental Laboratory Accreditation Program, and expansion of "Waters of the State" designations.	Very High
Water Budget-Based Tiered Rates – Protect the District's ability to use its water budget-based tiered rate structured to respond to the drought and water supply shortages.	Very High
Water Bond Implementation – Engage productively in discussions surrounding the implementation of the water bond in order to protect IRWD's interests.	Very High
Water Transfers and Markets – Engage in discussion on additional legislation related to establishing a water market in California.	Very High
California Water Fix Implementation – Advocate for a change in the operation of the Delta, consistent with the co-equal goals of ecosystem protection and water supply reliability. Seek the State actions necessary to implement a solution in the Bay Delta.	High
Energy – Advocate for policies which encourage energy reliability in Orange County and energy efficiency in the water and wastewater sectors, including allocation of Cap-and-Trade revenues to the water and wastewater industries and expanded availability of direct access programs, without an increase in cost to or mandates on local entities; seek incentives for energy self-reliance projects (i.e. storage, generation, efficiency).	High
Groundwater – Engage productively in discussions on regulations related to the implementation of the Sustainable Groundwater Management Act and groundwater management in California to protect IRWD's interests; promote greater water banking opportunities that would benefit the District.	High
Groundwater Clean-up - Support efforts to obtain State funding to clean up groundwater contamination in the Orange County Basin, and funding for basin replenishment.	Moderate *Proposed IRWD resource allocation is moderate because staff will work with and through IRWD's industry and community partners on this issue.

ntegrated Regional Water Management Program —Seek changes to the IRWMP allocation process that benefits IRWD. Oppose program changes that expand funding eligibility to projects that do not further water supply reliability.	Moderate
Natural Treatment System/San Joaquin Marsh — Obtain a "Waters of the State" exemption for the Natural Treatment System (NTS) and San Joaquin Marsh and constructed treatment wetlands. Advocate for a maximum benefit approach to regulation of constructed treatment wetlands and NTS facilities.	Moderate
Operators Certifications – Address inconsistent certification processes for operator certifications treatment, distribution, and recycling). Monitor for changes in certification requirements.	Moderate
Political Reform Act/FPPC Issues – Monitor for changes to the Political Reform Act and FPPC regulations that could impact IRWD.	Moderate
Public Agency Liability and Public Contracting — Oppose efforts to impose greater liability on public agencies for work performed by its contractors. Oppose proposals that make public contracting for labor, service or public works projects more cumbersome. Eliminate bonding requirements for water efficiency and conservation.	Moderate
Biosolids — Seek a broader spectrum of permissible use of biosolids processing byproducts including a possible fertilizer designation. Reduce restrictions surrounding biosolids processing and seek "feed-in-tariff" rules of benefit to biosolid bioenergy projects.	Low *Proposed IRWD resource allocation is low because staff will work through IRWD's association and industry partners on this issue.
CEQA Reform — Seek reforms to CEQA that are beneficial to IRWD.	Low *Staff proposes, if sincere CEQA reform effort arises, that the resource allocation be changed to high.
Grant Reporting – Seek changes in state grant reporting requirements to ease the burden of grant recipients while maintaining transparency.	Low *Proposed IRWD resource allocation is low because staff will work through IRWD's association and industry partners on this issue.
Public Records Act – Monitor proposed changes to the Public Records Act that could impact IRWD costs.	Low

REGIONAL ISSUES	Vow. High
Santa Ana and San Diego Regional Water Quality Control Boards – Develop a closer working relationship with Regional Board staff. Work with the Board on issues of concern to IRWD including: • Adjusting storm-induced overflow protections and expand the use of recycled water in decorative lakes, • Proposed modifications to Basin Plans, and • Establishing pollution credit trading programs.	Very High
South Coast Air Quality Control Board – Work with the Board to identify regulatory changes that will positively impact air quality while improving IRWD's ability to respond to emergencies and operate its water and wastewater systems. Discussion may include: • Seeking a change to public fleet/truck alternative fuel rules to ensure that emergency response is not adversely affected; • Seeking permit exemption for diesel generators and motors greater than 50 hp; • Seeking exemption from other restrictions imposed by AQMD that hamper IRWD's operations and emergency response capabilities; and • Seeking less restrictive engine regulations.	High *Staff will work with IRWD's industry and association to further these discussions with AQMD.

November 28, 2016

Prepared by: K. Drake/ B. Meserlian

Submitted by: P. Sheilds

Approved by: P. Cook

ACTION CALENDAR

ENTERPRISE ASSET MANAGEMENT SOFTWARE PROCUREMENT AND IMPLEMENTATION

SUMMARY:

The implementation of an Enterprise Asset Management (EAM) program will improve the District's ability to derive maximum value from its business assets, from acquisition to retirement. Following a successful completion of the program's Phase 1 Pre-implementation, the District is now targeting Phase 2 milestones with the procurement and implementation of an EAM software package. Staff recently completed a software evaluation process through which IBM Maximo was selected as the preferred platform. Subsequently, staff issued a Request-for-Proposal (RFP) for software implementation services, and conducted interviews, workshops, and negotiations over the course of several months prior to selecting Total Resource Management (TRM) as the preferred implementer. Staff recommends the Board:

- Approve the procurement of EAM system software and hardware for a not-to-exceed cost of \$545,000;
- Authorize the General Manager to execute a Professional Services Agreement with Total Resources Management for *Phase 2 Implementation Part 1 Work & Asset Management*, for a not-to-exceed cost of \$988,330; and
- Authorize the General Manager to execute a Professional Services Variance with Kayuga Solution (EAM Consultant) for a not-to-exceed cost of \$202,020.

BACKGROUND:

The term "Enterprise Asset Management" refers to the lifecycle management of assets through its various states: planning, design, construction, commissioning, operation, maintenance, and decommissioning or replacement. An EAM system records the state and criticality of assets, identifies rehabilitation and replacement needs, and enhances the planning and scheduling of maintenance activities. The system capabilities can ultimately be expanded from the management of core assets (pumps, reservoirs, pipes, hydrants, etc.) to support other types of assets within a water and resource recovery utility such as vehicles, information system equipment, laboratory equipment, and regulatory compliance reports.

Traditionally, utilities have relied on software tools known as "Computerized Maintenance Management Systems" (CMMS) to manage asset information and maintenance work orders. EAM systems offer such functions with a more holistic approach to asset management, providing life-cycle planning capabilities, reliability-centered maintenance scheduling, robust work-flow analysis, and ability to track Key Performance Indicators (KPIs). Recent technological advances in EAM software, coupled with the performance of the District's current CMMS software, has required a significant change to the District's asset management system. As a result, the District initiated the "Enterprise Asset Management Software Implementation" project in 2011 with the

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goal of replacing its existing CMMS use with a best-in-class enterprise system. The system will provide tools for scheduling and tracking corrective, preventive and predictive maintenance; regulatory compliance; budgeting, procurement analysis, and monitoring of KPIs. Ultimately, the system will evolve into a comprehensive enterprise management tool supporting many facets of the District's operation.

EAM Program:

The current EAM program approach was established in January 2015, including the retention of a specialized EAM consultant (i.e. GHD/ Kayuga Solution). The program is subdivided into multiple phases and milestones, as illustrated in Table 1.

Table 1: EAM Program Phases and Milestones

EAM Program Milestones	Target Completion	Current Status
Phase 1: Pre-	Implementation	
Asset Identification/ Inventory	August 2016	Complete
EAM Software Selection	May 2016	Complete
Implementer Selection Process	October 2016	Complete
Phase 2: In	plementation	
EAM Software Procurement	December 2016	+
Part 1: Work & Asset Management - Go Live	October 2017	-
Part 2: Mobile Solutions & GIS	Future	+
Part 3: Info. Services, Fleet, Facility Assets	Future	

Phase 1 of the program included pre-implementation activities such as asset inventory database development, business process refinement, as well as asset criticality and consequence of failure analysis. In May 2016, staff initiated negotiations with the selected software vendor, and prepared a Request for Proposal for software implementation services. Staff is now recommending Board approval for procuring the selected software package, and initiating Part 1 of the software implementation process: "Work and Asset Management".

Given the nature of the District's asset-intensive business, the implementation phase of the program will require extensive collaboration between multiple District departments. A stepped approach was adopted for implementation to mitigate the impact on District staff and enhance the overall success of the implementation. The stepped approach will expedite the development of a maintenance platform for major facilities, before the focus of the EAM system shifts to other types of District functions and assets.

EAM Software/ Hardware Procurement:

Staff considered multiple software vendors for the new EAM software. The software selection process was presented to the Engineering and Operations Committee at the June 21, 2016 meeting. Benchmarking visits helped solidify the decision to select IBM Maximo as the District's EAM platform. This selection was based on the following criteria:

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- Very positive user feedback from local agencies
- Proven industry leader
- Core focus on CMMS
- Strong user community among local agencies
- Financially sound parent company
- Proven integration capabilities for IRWD
- Recommendation confirmed by the District's EAM consultant

The District negotiated a final price with IBM for a package of Maximo licenses, as summarized in the Table 2. Maximo's total cost of \$313,210.80, which includes one year of IBM technical support services, is guaranteed through December 12, 2016. Technical support services beyond the first year, estimated at approximately 20-percent of the procurement cost, will be included in IRWD's future annual operating budgets.

To enhance the administration of Maximo, and provide additional help tools for the end-user, staff recommends the installation of an add-on software developed by the implementer TRM. Total cost for this add-on software is \$41,052, which includes one year of technical support services.

The Maximo software solution will require additional hardware components as well as upgrades to existing equipment. The additional hardware includes servers to host Maximo environments. The Oracle Database software required for Maximo is already included in the District's Unlimited License Agreement (ULA), and does not require additional expenditure. The procurement cost of hardware required to implement Maximo is \$165,000.

Table 2: Software/ Hardware Procurement Costs

Software/ Hardware	Cost
IBM Maximo Software Licenses	
- Asset Management Authorized User	\$269,920.00
- Asset Management Scheduler	\$31,962.00
- Health, Safety, & Environment Manager	\$11,328.80
Subtotal	\$313,210.80
TRM RulesManager Studio for Maximo	\$41,052.00
Hardware	\$165,000.00
Contingency (±5%)	\$25,737.20
Total Software/ Hardware	\$545,000.00

Scope of Work: Phase 2 - Implementation, Part 1 - Work and Asset Management:

The first major goal of Maximo implementation is to replace IRWD's existing CMMS software (known as the legacy "TabWare" system), which will be achieved by establishing a new Work and Asset Management system. The scope of work for this effort includes the following tasks:

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1. <u>Business Process Design Services</u>: The implementer will evaluate, align, and document all processes and solutions needed to create the new Work and Asset Management platform. This will require a comprehensive review of current IRWD business processes, and a thorough understanding of the District's assets. The implementer will provide recommendations based on common industry solutions, standardize all processes, and improve accessibility, efficiency, transparency, and consistency toward proactive asset management. An overall Change Management plan will be developed in consideration of various District stakeholders.

2. <u>Build, Test, and Deploy Services:</u> The implementer will build, test, and implement the newly designed platform, support "go-live" activities, and provide adequate training and support services for an effective transition.

Implementer Selection for Phase 2 - Implementation, Part 1 - Work and Asset Management:

With the input of various IRWD groups, the District's Asset Management consultant (i.e. Kayuga Solution) led the effort in preparing an RFP for Part 1 of the Maximo implementation process. Staff researched a list of IBM premier business partners, and reviewed their experiences in Maximo implementations within the water/ water recycling industry. The RFP was issued on August 15, 2016 to six consultants with relevant experiences: Infosys Limited (Infosys), Total Resources Management (TRM), Interloc Solutions (Interloc), Starboard Consulting (Starboard), Genesis Technology Solutions, and Ontracks Consulting.

Four consultants submitted proposals: Infosys, TRM, Interloc, and Starboard. The proposals were reviewed by a cross-functional evaluation team, and references were contacted for input. After completing a thorough evaluation of the proposals, TRM and Starboard were invited to participate in an interview process. Each firm was required to have its key team members participate in the interviews so that staff could evaluate team dynamics and strategic fit with the District. Based on the evaluation criteria listed in the RFP, TRM was the clear first choice. Key advantages for TRM included:

- Firm Qualifications and Experience: TRM's company profile and experience includes numerous Maximo implementations for water/ water recycling agencies. TRM's long dedicated Maximo experience within the industry promotes an efficient deployment of Maximo, and its add-on (accelerator) tools. Staff initiated reference check discussions with the Los Angeles Department of Water and Power, the Orange County Sanitation District, and Vallecitos Water District, all previous and current TRM customers. All references indicated a high level of satisfaction with TRM's services.
- <u>Team Qualifications and Experience</u>: TRM presented a cohesive team, equipped with various certifications and past experiences that would appropriately serve project goals. TRM's key team members, which have worked together on various Maximo implementation projects, will be led by a dedicated project manager with various experiences in Maximo implementations, re-implementations, upgrades, enhancements, and support services. The team's proximity to IRWD offices is also a plus from both staff accessibility and cost standpoint.

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• Project Approach and Timeline: TRM's proposal addressed all aspects of the project in a thoughtful, structured manner. The proposal demonstrated an understanding of IRWD's needs, and TRM's ability to address them. TRM clearly outlined project deliverables, and provided a thorough description of its approach to each task. TRM proposed a 11-month implementation plan for Part 1, with three months of post go-live support.

Final rankings are summarized in the Table 3:

Table 3: Maximo Implementers – Final Rankings and Cost

Criteria	TRM	Interloc Solutions	Starboard Consulting	Infosys Limited
Firm Qualifications and Experience	1	4	2	3
Team Qualifications and Experience	1	4	2	3
Project Approach and Timeline	1	4	2	3
Interview	1	÷ .	2	L
Final Cost	\$988,330	\$ 2,136,484	\$ 1,200,000	\$ 3,384,540
Final	1	4	2	3

Upon selecting TRM as the finalist, the District's evaluation team performed further due diligence through "Solution Confirmation Workshops". These workshops focused on optimizing TRM's proposed solution, and confirming their scope. The solution confirmation workshops resulted in the following changes at the request of the District:

- An expanded scope for Maximo fundamentals training;
- Supplemental subject-matter-expert workshops; and
- The implementation of Maximo Health, Safety, and Environment.

The above changes resulted in a \$113,200 increase to TRM's initial cost of \$875,130.

The final scope of work, as detailed in Section 5.3 of TRM's Work and Asset Management Implementation proposal, is provided as Exhibit "A". Staff recommends awarding a professional services agreement to TRM in the amount of \$988,330. This is a fixed price contract with payments made based on key milestone completions.

EAM Program Staff Augmentation Services:

In January 2015, the services of a specialty EAM consultant (Mr. Iday Syachrani, PhD., of Kayuga Solution) were retained to optimize the District's approach to EAM, and provide day-to-day management of the District's asset management team. Kayuga's services were also utilized in Summer 2016 for the preparation of Maximo implementation RFP. Moving forward, staff is seeking to extend the services of Kayuga Solution through December 2017 to:

Provide Asset Management Support: Kayuga will continue to augment internal IRWD
resources, maintaining valuable continuity within the newly assembled asset management
team. Kayuga's principal consultant, who will be on-site on a part time basis, will
continue to provide specialty asset management expertise, consultation, and advise to
IRWD management and executive sponsors.

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• Provide Maximo Implementation Support: Kayuga staff will provide technical support services during the implementation, ensuring a successful transition to IBM Maximo.

Kayuga staff will be scheduled to provide the above services through December 2017. Staff recommends the execution of a variance, in the amount of \$202,020 with Kayuga Solution for these services. This constitutes a variance of 65% over the original contract, bringing the total contract amount to \$512,220. Kayuga's proposal is attached as Exhibit "B".

FISCAL IMPACTS:

The total costs associated with the retention of TRM and the extension of Kayuga's services are detailed in Exhibits "A" and "B", respectively. Projects 3566 and 3567 are included in the FY 2016-17 Capital Budget, and the existing budget is sufficient to fund the software/ hardware procurements and consulting services described above.

Project	Current	Addition	Total
No.	Budget	<reduction></reduction>	Budget
3566	\$2,432,100	\$-0-	\$2,432,100
3567	\$2,432,100	\$-0-	\$2,432,100
Total	\$4,864,200	\$-0-	\$4,864,200

ENVIRONMENTAL COMPLIANCE:

This activity is not subject to the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15060 (c)(1) Preliminary Review. An activity is not subject to CEQA if the activity will not result in a direct reasonably foreseeable indirect physical change to the environment.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on November 10, 2016.

RECOMMENDATION:

THAT THE BOARD APPROVE THE PROCUREMENT OF SOFTWARE AND HARDWARE FOR A NOT-TO-EXCEED COST OF \$545,000; AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH TOTAL RESOURCES MANAGEMENT FOR *PHASE 2 IMPLEMENTATION - PART 1 WORK & ASSET MANAGEMENT*, FOR A NOT-TO-EXCEED COST OF \$988,330; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES VARIANCE WITH KAYUGA SOLUTION FOR A NOT-TO-EXCEED COST OF \$202,020.

LIST OF EXHIBITS:

Exhibit "A" - Section 5.3 of TRM Proposal: Scope of Work

Exhibit "B" – Kayuga Proposal

Section 5.3: Scope of Work

Submitted to:

Irvine Ranch Water District Ken Drake Assistant Director of Maintenance Irvine Ranch Water District 3512 Michelson Dr. Irvine, CA 92612

Maximo Implementation Project

Prepared by:

Total Resource Management 510 King Street, Suite 200 Alexandria, Virginia 22314 (703) 548-4285

Bruce DeSilva Western Region Services Director



November 2, 2016



Project Team members at offsite facilities. Remote access to the hardware environment will be granted to the TRM Team upon compliance with the District's Security requirements.

5.3 Scope of Work

The following describes TRMs approach to executing the work for this project. We understand the District has divided their project work into two parts, Design and Execute. You will see we have further sub divided each of those into two stages for Design, and three stages for Execute. The costs can, and are, rolled up into the District's original two. TRM's five stages are

Design

- Stage 1A Project and BPD planning
- o Stage 1B BPD

Execute

- Stage 2A Configure and Unit Test,
- o Stage 2B User Acceptance, Training, Asset & Work Go Live,
- o Stage 2C Planning & Scheduling Go Live

5.3.1 Design Stage 1A - Project and Work Shop Planning

During this initial stage the TRM team and the IRWD team is being assemble and conducting enablement tasks to ensure that the BPD workshops are conducted in the most efficient manner.

Pr	oject and Work Shop Planning
Tasks:	 Project Planning Conduct Organizational Research Install 3 of 7 Maximo Environments – Vanilla, Dev & QA Install TRM RulesManager into Maximo Environments Prepare and Organize Detail Agenda for Asset Management Work Shops Provide Maximo Fundamentals Training to Work Shop SME's
Deliverables:	 Roles And Responsibilities Document Project Schedule in MS Project Communications Plan Scope Maximo Plan Approved Project Status format Approved Risk Management Template Approved Requirements Management Template Approved Configurations Management Template Approved Decisions Log Template Approved Test Case Template Vanilla, Dev & QA installed at IRWD RulesManager installed in Maximo Environments Finalized Agenda for Asset Management Work Shops Two 4 Day SME Training for 15 students each, and two 1-Day Overveiw classes (includes 50 Fundamentals guides and 15 training laptops)
Assumptions	 TRM will utilize their standard templates for requirements and Maximo process documentation TRM will utilize existing Maximo test cases in excel IRWD will have provisioned hardware to support initial environments

Primary	TRM – Project Manager, Sr. Business Consultant(s), Maximo Consultant, Sr.
Resources:	Trainer, System Engineer District – Project Manager, System Administrator, Functional Subject Matter
	Experts (SMEs)

Planning Stage Detail

Project Planning

TRM will successfully implement the District's Maximo project by following our standard guidelines for project execution and adhering to several key principals:

- Assembling a team with a mix of skills that compliments each team member to ensure that each project task is executed with a high degree of quality
- Merge TRM's Maximo and industry experience with the customer's vision and organizational knowledge
- Manage the project plan by following PMP and Agile methods

TRM's Project Manager will do the resource planning necessary for the team to be up-and-running quickly. In order to set the right foundation, we will assemble the project documentation which will provide the guidance for the how the project is managed and executed.

Organizational Research

The Sr. Business Consultant and Maximo Consultant will begin organizational research. This will consist of the TRM BPR team conducting a high level review of the organization, and the key artifacts that exist today. This ensures the TRM team will already be familiar with basic elements of the District's current organization and processes when they walk in the room.

Establish initial Maximo Instances

Once IRWD has procured the initial servers TRM will install the Vanilla, Development and QA Maximo instance. These instances will be utilized by no more than 12 simultaneous users and the hardware can be sized for this initial use pending final architecture design. The Vanilla instance will be used to conduct the initial fundamentals class and for demonstration purposes during the business process design works shops. The development instance will be utilized to execute the initial configurations and the QA instance will be under CM control and function as the Seed Database.

In addition, the TRM RulesManager Software will be installed in order to have it available for all future development, testing and QA activities.

Initial Overview Training

TRM's Senior Trainer will conduct a Maximo Fundamentals Training for the District members attending the BPR's. This is to prep them on Maximo's capabilities and reporting in order to get them started on thinking of the cross over from their existing systems. This ensures they are more fully enabled when workshops start and are familiar with the new system terminology.

5.3.2 Design Stage 1B - Discovery to Design

Business process design and configuration is <u>the most</u> critical element in the implementation of Maximo. The success of Maximo hinges on having sensible business processes that are understandable and repeatable.

At the end of the Business Process Design Phase the following goals will be met and the design for all functional areas will be complete and ready to move to the development and configuration phase.

- The District/TRM project team will have a good understanding of the current and future business process requirements and design which will be translated to the Maximo configuration process. This allows secondary project activities like use cases, testing script outlines, and training frameworks to be started.
- During the Design stage the project team will have identified gaps between process requirements and the Maximo out of the box application and they will have been addressed though the change management process.
- Maximo Workflow processes will be documented which will be utilized to assist with the
 development of materials for train-the-trainer and end
 –user training. Also IT will now have an
 Architecture plan, an a mobile project outline

Bu	siness Process Discovery & Requirements Definition
Tasks:	 Conduct BPD Work Shops – Asset Management Conduct BPD Work Shops – Work Management Conduct BPD Work Shops – Integration Conduct BPD Work Shops – Field Mobility & GIS Conduct BPD Work Shops – Maximo System Architecture Conduct BPD Work Shops – Maximo HSE Manager Conduct follow-up BPD Work Shops Present Key Findings to Sr. Management Generate Final Documents
Deliverables:	 Execution of Workshops per approved Agendas Sr. Management Presentation Approved Maximo Requirements and Configuration Recommendations Integration Design Business Process Definitions Business Case Write Up Performance Metrics KPI's & Reporting Strategy Organizational Impact Assessment Change Management Plans Business Process Flows Risk Analysis FFP for Detailed Design/Execution Phase Architectural Design Implementation Strategy Maximo Prototype Data Migration Strategy Mobile Maturity Plan Revised Job Roles Master Test Plan
Assumptions	 Work Shops will be conducted on-site Work Shops will focus on IRWD adoption of Maximo OOB functionality IRWD will assign resources to review and accept final documentation IRWD will review and comment on one draft of the documents within 5 days of submittal IRWD will review and accept final document within 5 days of submittal
Primary Resources:	TRM – Business Process Experts, Subject Matter Experts (SMEs), Functional leads, Implementation Leads District – Implementation Lead(s), Functional Subject Matter Experts (SMEs)

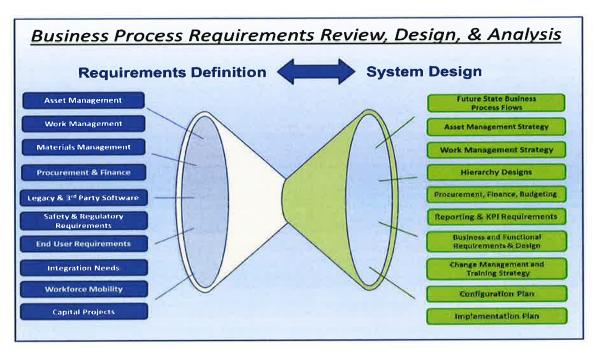
Design Stage - Detail

BPD Methodology

- 1. After both TRM and IRWD teams have done their pre-work, the TRM team will then start to conduct workshops and interviews where we will review the existing District processes and requirements and alignment or gaps with Maximo 7.6.
- 2. The workshops are a cross-section of key District Subject Matter Experts (SMEs) from various business functions selected from the key District departments (Maintenance Water, Recycling Ops, IT etc). TRM will work with the District to ensure the right mix.
- 3. Sessions will be scheduled in advance and agendas published to ensure required District team members can attend, are prepared and time is optimized. <u>Active participation and attendance is Critical.</u>
- 4. Sessions will be very interactive where the TRM Business Consultants, Scott Stukel and Danean LeNoir, will lead the District team through analysis of your business today. Main Workshops will be:
 - Asset Management

 Broken down by the asset classes: Vertical, Horizontal, ITAM, Fleet, Facility
 - Work Management Organized by work execution phases Creation, Planning, Scheduling, Assignment, Completion & Close Out
- 5. During these workshops we will collaborate with your staff to go over their process flows, sample reports and artifacts, requirements and current system in order to confirm and understand the current system requirements for all applicable business departments
- Scott Stukel will conduct the first Asset Management Work Shop for Vertical assets introducing
 Water Utility asset management, reliability best practices and TRM's standard application of those
 processes utilizing Maximo.
- 7. Danean Lenoir will then conduct the remaining Asset Management Work Shops focusing on Linear, Facilities, Fleet & IT. Danean will review the concepts identified in the initial sessions and then identify additional nuances needed to manage each specific asset class.
- 8. Once the Asset Management Maximo processes have been identified then Scott Stukel will lead all of the work management workshops. These workshops will be attended by the SME's for all asset classes. This will ensure that throughout the IRWD organization everyone is utilizing the same priority codes, work types, statuses and so forth. The core work management processes should be shared by all with only slight additions of data for specific work identification processes.
- The reaming workshops will be more technical in nature focusing on interface, field mobility and system architecture requirements. Each workshop will be led by TRM's technical SME and supported by TRM's change management lead.
- 10. The BPR sessions will also include dynamic demonstrations where the District SMEs will provide information about their current system and future processes. TRM will provide live Maximo demonstrations which will allow the District personnel to visualize your business processes in Maximo.
- 11. Sessions will always focus on the desired optimum state for the District, putting discussion of Maximo configuration within the context of your business so examples are easier to relate to by the District's teams.
- 12. Workshops will be run to build core standard Work and Asset processes as laid out in Maximo and as the District requested and if there are variances for say Fleet, or Capital Planning, a smaller focused break out session maybe run.
- 13. Processes will be discussed, governed and decided with consideration of timeline and budget. No Items will ever be lost. Instead they will added to the "Parking Lot" as potential work for follow on phases.

The following highlights general session content for input and then output:



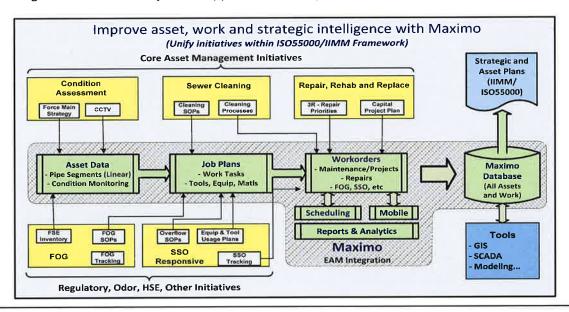
Our approach of "show and tell" review sessions streamlines what can be a long and arduous process for the customer:

- By taking time to understand how you manage your work, assets and inventory, we are
 typically able to apply our extensive experience with Maximo and the utilities industry to present
 at least an 80% solution from the start. The remaining 20% is accomplished through
 collaboration between TRM and the customer to balance what is important to the business and
 the project budget while adding value to the organization.
- We avoid prolonged review sessions and extensive documentation that arduously identify every (many unnecessary) nuance and detail of the client processes. Instead we focus on identifying processes and practices that are managed by Maximo. This constrains the process identification activity to fit within the budget and schedule and provides the team with a manageable workload that provides the right amount of information to successfully implement the Maximo solution.
- 14. Each agreed-to system requirement will be given a unique number and will be documented in the TRM Requirements Traceability Work Sheet that will serve as the functional agreement for what the District wants the system to do and is the basis for the subsequent system design. Comments are cataloged for the initial content or specific data needs for that requirement. An Example:

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Phase I P	lequirements Matrix	Asset Management Tab					
No.	Process/Application	Requirement Description	Release I Scop	Design?	Design/Configuration Necessary to Meet Requirement	Comments	Approved By
AM-020	Asset	System meda to allow a new Asset to be created.	Ý	INT	Lawson interface - Receipts touch point	The Lawson interface will provide receipt data for a new Rotating Asset to Maximo, which will then use OOB Maximo functionality to create the Asset record	
AM-021	Asset	System needs to generate the Asset Description from the Item Description, for a Rotating Asset.	Y	Υ	Rule-Make Description readonly if Rotating Item identified.		
AM-022	Asset	System needs to auto-generate Asset Numbers,	У	γ	Autonumber configuration in the Organizations application		
E 20-MA	Asset	System needs to create new Assets with a status +	У	TNI			
AM-024	Astat	System needs to allow a Planner/PP Rep to update an Asset record and to change the Status of an Asset to "ACTIVE"	Y	SEC		Updating the Asset record means to associate a Classification, Failure Class, and User to the Asset	
AM-025	Asset	System needs to allow meter readings from PICS to be imported.	γ	INT	Per Maximo-Pi interface requirements and design document (IDD)		
AM-026	Asset	System needs to prevent an Asset Status from changing to "SOLD" or "SALVAGED" until the Asset has been moved to the designated Surplus holding to extine	Y	Y	Rule, additional status values SOLD (synonym of DECOMMISSIONED) Sold	ASM: Need Asset Status values from MWRA (posted in 5070)	
AM-027	August (Tr)	System needs to allow the following custom Status values for first Assets: ACTIVE, INACTIVE, Pending Decision, Pending Sale	Y	Y		ASH Need Assat Status values from MWRA the other values are all identified in other reas or OOB, per the approved spreadsheet posted in SO70)	
		Contract to the standard beautiful	_	008	displayali.staturas		
	AM-021 AM-021 AM-022 AM-023 AM-025 AM-026	AM-020 Asset AM-021 Asset AM-022 Asset AM-023 Asset AM-023 Asset AM-024 Asset AM-025 Asset AM-026 Asset	No. Process/Application Requirement Description AN-020 Asset System needs to allow a new Asset to be created. AN-021 Asset System needs to generate the Asset Description from the Item Description, for a Rotating Asset. System needs to cause-generate Asset Numbers. System needs to cause-generate Asset Numbers. AN-022 Asset System needs to allow a Planner/PP Rept to update an Asset record and to change the Status of an Asset to Active. AN-025 Asset System needs to allow are largely from PICS to be imported. AN-026 Asset System needs to prevent an Asset Status from changing to "SOLD" or "ALVAGED" until the Asset has been moved to the designated Surplus halding been moved to the designated Surplus halding Describe, Pending Sale	No. Process/Application Requirement Description Release AN-020 Asset System needs to allow a new Asset to be created. AN-021 Asset System needs to generate the Asset to be created. AN-022 Asset System needs to generate the Asset Description from the Item Description, for a Rotesting Asset. AN-023 Asset System needs to generate Asset Numbers. AN-024 Asset System needs to accompanie Asset Numbers. AN-025 Asset System needs to allow a Planner/PP Rep to update an Asset second and to change the Status of an Asset to Accompanie to Status Asset Accompanies Asset to Accompanies to Status from Changing to Status Asset Accompanies to Status Accompanies Asset to Accompanies to Status Accompanies to Status Accompanies Asset Accompanies to Status Accompanies Asset Asset Accompanies Asset Asset Asset Asset Asset	No. Process/Application Requirement Description Release Design? ANH-020 Asset: System needs to allow a new Asset so be created. Y INT ANH-021 Asset: System needs to generate the Asset bescription from the team Description, for a hotssing abset. ANH-022 Asset: System needs to generate the Asset bescription from the team Description, for a hotssing abset. ANH-023 Asset: System needs to a unorgenerate Asset Numbers. Y Y MA-024 Asset: System needs to a create new Asset which a status — Y INT ANH-025 Asset: System needs to a clow a Planner/PP Rep to update an Asset secord and to change the Status of an Asset to "ACTIVE". ANH-025 Asset: System needs to allow a Planner/PP Rep to update an Y SEC ANH-026 Asset: System needs to allow mater readings from PICS to be imported. ANH-027 Asset: System needs to allow mater readings from PICS to be imported. System needs to allow mater readings from PICS to be imported. System needs to allow mater readings from PICS to be imported. System needs to allow mater readings from PICS to be imported. System needs to allow mater readings from PICS to be imported. System needs to allow mater readings from PICS to be imported. System needs to allow mater readings from PICS to be imported. System needs to allow mater readings from PICS to be imported. System needs to allow mater readings from PICS to be imported. ANH-027 Asset [Tr] System needs to allow the following back holding to status from changing to "SQLD" or "SALVMGED" until the Asset has been mixed. System needs to allow the following custom Status should not provide the provided to provi	No. Process/Application Requirement Description Release Design? Design/Configuration Necessary to Meet Requirement Scop *	No. Process/Application Requirement Description Release Description Requirement Posciption Requirement Posciption Requirement Posciption Requirement Posciption For Requirement For a new Rateting Asset to Maximo, which will then use OOB Maximo functionality to create the Asset Record The Item Description For Rotating Rates The Item Description, for a Rotating Rate The Item Description Red Description readonly if Rotating Rates The Asset Record Asse

- 15. At the conclusion of the BPD workshops, each work stream will have an initial review of the draft process and requirements documents. This will ensure that TRM has captured the salient points. There will be a final review and approval gate where District/TRM leads, SMEs, stakeholders, and process owners will meet to finalize the design, approve, and sign off on the final documentation for that functional area. The process is structured to permit one functional area to move to configuration before others, for example the design for assets may be completed well before the design of work management is approved. This will only be done where there is not hard-dependency on one design by the other
- 16. Prior to the completion of the final documents TRM will create a Senior Management Presentation highlighting the key areas of improvement, biggest area of change and highest risk items. The presentation is intended to alert Sr. Management to the areas that will need the biggest support and formally gain the approval and understanding to move forward with the change. The following diagram is an example from one Wastewater Distribution Executive presentation where TRM was showing how the Maximo system supported the companies initiative toward ISO 55000.



Additional Deliverables

As the BPR workshops are taking place we will also be cataloging content for all other deliverables requested by the District. You will see that TRM has a significant amount of proven content from other engagements that we will share to jump start the development process. The following lists those

Business Process Definitions	TRM has a starting list and will modify it throughout the BPR sessions						
Business Case Write Up	TRM has samples but will need to work with the District to personalize						
Performance Metrics	We have content to start and will finalize content throughout the BPR'						
KPI's & Reporting Strategy	TRM has a rich set of these for Asset and Work Management						
Organizational Impact Assessment	Standard component as stated in 5.2.2						
Change Management Plans	Standard as stated in 5.2.2 this is always a deliverable						
Business Process Flows	Standard output from the BPR						
Risk Analysis	As stated in 5.1.2 this is standard practice						
FFP for Detailed Design/Execution	TRM will be prepared to review estimates						
Revised Job Roles	TRM has significant content available to assist in roles and descriptions						
Maximo Prototype	Standard for our process as we modify v7.6 for the BPR discussions						
Architectural Design	Standard - Derived from the Infrastructure specialty workshop						
Implementation Strategy	Standard a template that we customize to the District's deployment						
Data Migration Strategy	Derived from the Migration specialty workshop						
Mobile Maturity Plan	Build a phased plan from the District's current use, policy and projections						
Master Test Plan	Standard content that will be adjusted out of the BPR and Design content						

5.3.2.1 Specialty Workshops

In addition to the main functional workshops there will be several specialty workshops to address specific considerations that impact the entire Maximo system. Those include:

- Architecture This workshop will involve an experienced TRM system engineer working with IT to
 conduct an assessment of the District's infrastructure to include servers, system software, and
 network infrastructure in which Maximo would reside and rely upon. Topics will include things like
 back up/recovery, LDAP integration, database sizing, system monitoring, network, server sizing
 etc. The result will be TRM creating a recommended Maximo system architecture that will include
 hardware and software specifications necessary in meeting the District's Maximo requirements and
 expectations specifically around system performance, availability, and scalability.
- Interface TRM will have a separate interface workshop. This will consist of a team from TRM, IT and the functional & Technical SMEs to meet and decide on the correct data and mapping, the update attributes and technical method for transfer. This will also include error processing and required level of documentation and skills needed on the 3rd party system side. The result will be an interface plan that details the mapped content. The workshop will focus on
 - Oracle EBS Purchasing, Inventory, Finance & HR
 SCADA
 Hach WIMS

TRM recognizes that the District expects point to point integration between Maximo and external systems. We have implemented several point to point systems but in our experience with Oracle EBS the integration is typically executed through the interface tables. This has been a requirement by Oracle EBS not Maximo. Since Maximo has a robust and flexible integration framework we typically build integrations based on the external systems requirements. TRM expects the functional and technical lead for each external system to participate in the Integration workshops to clarify the capabilities of each external system. The workshops should be a functional and technical collaboration between the key stakeholders for each system.

- Mobile TRM will have a separate mobile workshop. This will consist of a team from TRM, IT and the functional SMEs. We have found mobile to be a very dynamic space. Devices and software capabilities are progressing all the time. Therefore this workshop will review current use of Mobilty at the District, the long range plan which we will use as input into the specifics of delivering mobile solutions for Maximo. We have a list of areas that help to align requirements with the ultimate right fit for the District. The intent for Phase 1 will be to establish a targeted Maximo mobile pilot that can be evaluated in anticipation of the Phase 2 general roll out.
 - GIS Field Mapplet
- Maximo Anywhere for Work and Asset

5.3.3 Execution Stage 2A - Configuration, Integration Dev, Unit Testing

In Stage 2A, the requirements specific to the District's Phase 1 Asset and Work functions will now be taken forward for configuration, testing and eventual Go Live. In this Stage the Business Process Requirements will be converted into the core Maximo configurations and initial interfaces developed as they go through a Configuration and Unit Test cycle. Throughout the development phase the Maximo configurations will be tested and presented to key district stakeholders for review and approval. Upon approval the configurations will be promoted to the "seed" database in the QA instance.

The state of the s	igurations will be promoted to the seed database in the QA instance.
Configurat	ion, Develop, & Unit Testing
Tasks:	 Maximo System Administration Training Maximo Application Configuration Interface Development - EBS HR & Financials Create Application Test Scripts Static Data Upload in Development Application & Data Unit testing Interface Development - EBS Inventory, Purchasing & Warehouse Develop MaxAssist Page Guides
Deliverables:	 TRM Standard System Administrator Training Maximo configured to support all approved requirements Application Test Cases Up to 60 hours worth of MaxAssist Page Guides (~12) Asset, Location & PM data loaded Application & Data Unit tested following test cases Interfaces configured per approved requirement and design Interface test cases created and unit tested
Assumptions	 3 Day System Administrator classes for no more than 5 students Maximo configurations include basic configurations for establishing system data, security groups, users, adding data fields, value lists, 6 role based start centers, Test cases will reflect Maximo processes & configuration items Data Upload will not include any transactional data Data upload will not include job plan tasks or planned material, labor or tools Data upload will not include Classification data
Primary	TRM – Functional & Implementation Leads, Technical Consultants, SMEs
Resources:	District – Implementation/IT Lead(s), SMEs

Stage 2A Details

Enablement

In order to build skills in support of the OCM plan, TRM will provide System Administration training to the District's IT SME's so they can learn the base skills associated with establishing the system and static data. They can then actively participate in the configuration process to gain hands on experience with the Maximo application.

Maximo Application Configuration

TRM will begin to utilize the Dev and QA instances that were installed during the planning phase. The QA instance will serve as the initial Seed Database as described in section 5.1.1. With the requirements finalized and approved by the District leads/stakeholders, the District/TRM team will start through configuration of the Maximo solution and catalog each required configuration and feature. All Maximo configurations will be tagged with the requirement number for end-to-end traceability. This part of our proven methodology ensures that every change, addition, deletion, or configuration is necessary and is attributable back to a business need. That will be critical the farther you get into the project and discover possible inconsistencies. A sample of a design/configuration

- 11	7	raceabilit	ý.			Design Details		Environment: max-dev							
Sys Setupli			Design Description	Values	Notes		Build Date	Unit Tested By	Unit Tested Date	Development / Testing Note					
5501	1	Yes	Yes	No	Create Item Set	ITEM	Hem Set_set Item Status = ACTIVE		8/8/2012	rt.	9/6/2012				
SSO2	144	Yes	Yes	No-	Create Company Set	COMPANY	Company Set	n.	8/8/2012	JC	9/6/2012				
5022	1	Yes	Ves	No	Create Currency Code	USD/United States of America	Active Yes	n	8/8/2012	JC	9/6/2012				
5504	1	Yes.	Yes	No	Establish Org	OCSD ORG	Set Item Status ACTIVE	π	8/8/2012	JC	9/6/2012				
5505	1	Yes	Yes			SITE		π	8/8/2012	JC .	9/6/2012				
\$\$06	1.12	Yes	Yes	No	Control of the second	BUSUNIT/7/ALN/Required		TL SS	8/8/2012 12/11/2012	1C 1C	9/6/2012 12/11/2012	GL Components needed to be			
SS07	1 13	Yes	Yes	No	Establish GL Structure - Component 2	ACCOUNT/5/ALN/Required		TL SS	8/8/2012 12/11/2012	10	9/6/2012 12/11/2012	GL Components needed to be			
SS08	114	Yes	Yes	No	Establish GL Structure - Component 3	SUBSIDRY/4/ALN/Not Requir		TL SS	8/8/2012 12/11/2012)C	9/6/2012 12/11/2012	GL Components needed to be			
5509	1.15	Yes	Yes	No	Establish GI Structure - Component 3 is Not Regulred			1	8/8/2012	JC	9/6/2012				
5510	1.6	Yes	Ves	No	Enter GL Accounts	0000000,00000,0000	Insert placeholder GL account - actual GL accounts will be migrated	π	8/8/2012)C	9/6/2012				
5511	1.11	Yes	Yes	No	GL Delimiter			TI,	#/#/2013	ж	9/6/2012				
SS12	1	Yes	Yes	No	Set Financial Period	Start Judy 1, 2012 + 10 years	Use Ilscal year 7/1 to 6/30, start with July 1, 2012 and go out 10 years, add one Period for each month with dates for that month (e.g. From 07/01/2012 12:00 AM - To 7/31/2012 11:59 PM), Format for Period = 2012-12, with July being 01 and June being 2012-12, then July 2013 starting new fiscal year = 2013-01. Earlier Finantical periods to be migrated	IC IC IC	8/8/2012 9/28/2012 10/1/2012 - removed TZ from user acct & fixed	JC MN TL	9/6/2012 10/1/2012 - off by 3 hours 10/12/2012	Rebuilt based on final design added only fiscal year 2012 and first period for 2013 in max-dev, will need all 10 years in seed.			

Configuration Items:

document:

Included will be: All of the Maximo technical & functional set-up, screen changes, database configuration, value lists, statuses, workflows, relationships, domains, system and user defaults, security groups, system parameters, necessary to configure the District's solution. Also included is development and implementation of data migration, mobile workforce, integrations, reports, metrics, and KPIs.

TRM will configure Maximo to perform the business functions detailed in the Requirements and Process Flow documents developed in Stage 1 including, but not limited to the following:

- Complete all Maximo configuration and set-up tasks.
- Load the equipment and location hierarchy
- Configure the interfaces to the companion software identified in these specifications.
- Configure the necessary start centers and key performance indicators.
- All other configuration, integration, programming or customizations required to meet design specifications necessary for a complete and operating Maximo system.

Throughout the configuration process, we will conduct application reviews to demonstrate the Maximo configurations so that key stakeholders, SMEs, and process owners have the opportunity to review and comment. Inevitably during the process there will be gaps that are identified that will require alteration of the configuration or a rethinking of the requirement. These interim informal reviews will provide the forum for the project team to communicate the gap, assess the risk/impact, and make

recommendations to mitigate the risk or address the issue. The District will have the ability to make informed decisions throughout this process. Too often implementers wait until late in the configuration phase to identify these gaps and show the application to stakeholders and process owners. The <u>TRM methodology fosters collaboration, communication, and reviews throughout the process</u> to minimize these risks and potential impacts to the project.

5.3.3.1 Configuration Highlights for Business Areas

In the following section we have highlighted some of the specific items and configurations that we envision for each of the District business areas:

<u>Maintenance</u> – The maintenance department will be the primary users of Maximo to track and manage the District equipment as well as aspects of the supply chain for running the business. We will also provide the ability to view/print reports and KPI's to monitor Maintenance functions and make informed decisions. Maximo will be configured with workflows that enforce process standards and will manage all maintenance business functions including:

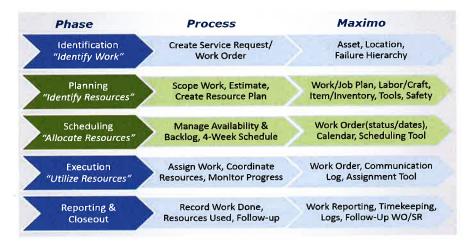
 Assets, Systems, and Project IDs including Bills of Materials through configuration of Maximo Assets, Locations, Hierarchies and classifications/specifications. TRM will work with the District to configure the most effective hierarchies and identify the information necessary to meet requirements.

Asset Visibility, Strategic Plan, Analytics... Reliability & Integrity Management Resource Month - Material, Training. **Basic Data Advanced Data** Hierarchy **Purchase Cost Templates** Primary Classifications Systems Linked Docs... Condition ITEM Data **ASSETS** Nameplate Monitoring Fixed Spare Parts **Measure Pts** Rotating Meters Assembly. Job Plans **PMs Procedures** Schedule **Fallure Codes** Materials Costs Safety... Work Order Management → Cost Roll-up

Asset Data - core information for Maximo System

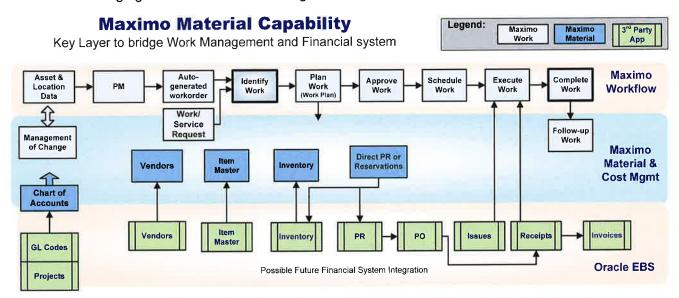
Maintenance Planning, Scheduling, and Work Management through configuration of Maximo Work Order Tracking, Service Requests, Preventive Maintenance, Job Plans, Assignments, and Scheduler. The configured system will allow maintenance workers to search for parts, tools, and equipment as well as view availability, purchase materials & services, and other resources required to plan, schedule and complete maintenance work. They will be tied and viewable on associated work orders, and may be managed by authorized maintenance & operations personnel.

Macro Template for Maintenance Planning Process



- Maintenance work requests via configuration of the Maximo service request functionality that will allow authorized personnel to identify and communicate requests for maintenance.
- Maintenance Labor, Crafts, and Crews through Maximo Labor, Crafts, Crew Management, and People/Person Groups, also for timekeeping through Maximo Work Order Reporting and Labor Time Reporting.
- Materials/Parts through configuration of Maximo EBS interface. Workers will be able to view
 planned materials, view availability in stores, and/or procure items that are needed to execute
 work.
- Cost, Budget, and Depreciation Tracking through Maximo General Ledgers, Accounts, Reporting.
 This will allow maintenance personnel to monitor cost/budget performance and make informed
 decisions.

<u>Material and Finance Capabilities</u> – Based on RFP information, TRM has developed an initial material flow bridging work and financial management – illustrated below.



TRM can leverage this initial mapping as starting point to discuss with the District Material and Financial Management personnel to configure Maximo to manage business functions that support Asset Management & Maintenance. TRM will design and configure your Maximo system to provide the means to integrate maintenance, stores, purchasing, and accounting District personnel will use the TRM configured Maximo to manage the following business functions:

- Materials, Tools, & Warehouses TRM will design the integration to consume the information from Oracle EBS. The main goal of the integration will be to provide actual costs to Maximo and current inventory levels to assist with the planning phase in Maximo
- Items & Inventory will be updated VIA EBS integration
- Storerooms Will be configured to reflect current EBS balances
- Companies Will be updated by EBS so Purchase Requisitions can be created
- Purchase Requisitions We will configure Maximo Purchase requisitions for users to request
 materials and services. The Maximo Purchase Request Application functionality will allow your
 people to create purchase requisitions for items or for services. Requisitions will be configured to
 interface with Oracle EBS to enable the purchase order capability in Oracle.
- Receiving Will be updated by EBS to apply direct purchase cost to Work Orders
- Depreciations TRM will enable Depreciation schedules for assets.
- Chart of Accounts Through the Maximo Chart of Accounts application, we will set up District general ledger accounts and resource codes for standard accounting functions. We will load accounts and resource codes to correspond with accounts that you use in your external accounting system. If necessary, we will also set up financial periods, and specify general validation options to enforce account combinations and facilitate financial reporting. We will use chart of accounts to allow the District to manage & track costs to produce cost & budget reports from Maximo materials, purchasing, labor, service, and other transactions that will contain GL Accounting.
- Cost Management Depending on the results of the project and budget tracking requirements and design, we may configure the Maximo Cost Management application to track project costs and manage budgets through Oracle EBS. By creating a project in the Cost Management application and linking work orders to that project in the Work Order Tracking application, the District can generate project cost information to track the financial resources required to complete the project.

5.3.3.2 Data Upload

Since the District is not migrating data but is instead starting new in Maximo TRM will use MX Loader, and TRM standard spreadsheet templates to load all relevant asset, work etc information. TRM will work with IRWD to update their current format so it can be loaded and validated against the Maximo Business Object when uploaded to Maximo. TRM will load the data as provided by IRWD. TRM will also configure the asset, location, and PM applications to provide the ability to upload spreadsheet files through the application. Maximo provides the framework for this functionality and TRM will implement. TRM will document the configuration changes and provide support for the production system. The application data upload can then be used by power users to upload additional asset, location & PM data.

5.3.3.3 Reporting

TRM has extensive experience providing Maximo reporting including BIRT and Cognos. It starts with us configuring the system architecture to effectively perform all reporting capabilities and provide for historical data capture. In reporting use TRM has developed the following Reporting strategy: **Daily reports** - are reports that are utilized every day to execute the Maximo processes. These reports are typically work order print out, PR print and summary reports. The reports are often based on a record or query in Maximo. It is most efficient to utilize BIRT to execute these reports.

Ad Hoc - BIRT provides an adhoc reporting engine. TRM will turn on the ad hoc reporting capabilities and provide the District users with the training necessary to utilize the adhoc report engine. These adhoc reports typically replace the list reports that users ask for, allowing them to query the Maximo database, pick fields for the reports, group and print the report.

Start Center - In addition to the "out of the box" and ad hoc reporting capabilities, Maximo has the Start Center, that allows the user to identify data that is applicable to their role in the organization. We utilize the start centers to provide users with information such as work orders open in my work group, my PR's waiting for approval, Work Orders assigned to me, PM's due for generation, etc.

We also utilize the Start Centers to provide users with information that helps them keep the data clean. Example of these start centers are Work Orders that have not been completed but the PM is due in a week. Work Orders that are past due, Completed work orders with no labor hours, etc.

Analysis reports are typically more complex and can be run outside of the Maximo application. These reports are the best candidate for being executed utilizing the clients preferred tool. TRM has experience creating BIRT reports, creating Cognos reports and sending data to an existing data warehouse. For analytical reports the District should utilize the reporting tool that the District is the most comfortable with that can connect to the Maximo database.

Specifically for this project TRM will have reviewed the OOB reports during the workshops to identify which reports will be utilized by IRWD. Those reports will be tested during the testing phase.

5.3.3.4 Mobile

For this Phase 1 work TRM will configure Everyplace as a pilot mobile solution to meet the District's technical preference of "enabling mobility functions leveraging a web-based, responsive design solution". An agreed upon work management set of functions captured during the BPD sessions will be modeled using existing technology. This will allow for the refinement of mobile processes and technology as we ready for Phase 2 of the system wide mobile roll out.

5.3.3.5 Unit Testing

Application, Data & Reports

Unit testing in Maximo will occur throughout the Development & Configuration Phase. In order to speed this process TRM will provide baseline test scripts that will be adjusted as needed. We will use the business process workflows and TRM provided test scripts to perform testing as the configuration progresses to validate the design and confirm that the Maximo configuration meets Design specifications and District expectations.

Interfaces

Unit testing of the interfaces will also occur throughout the Development & Configuration Phase. TRM will test the Maximo portion of the interface functionality to ensure that the data exchanges between Maximo and the external system occur correctly as specified. We will develop and follow test scripts to perform testing as the configuration progresses to validate the design and confirm that the interface configuration meets Design specifications and District expectations.

Any issues/gaps during the testing will be documented and addressed. Configuration anomalies will first be tackled through troubleshooting and configuration modifications to resolve the anomaly. Any issues/gaps that impact business processes, design specifications, or core requirements will be addressed through the formal project change management process.

5.3.4 Execution Stage 2B - Testing, Training, Deployment & Support

Upon completion of the configuration and Unit testing, the Maximo project will transition to the User review process for testing and final approval. Additionally the final stages of the Maximo systems are prepared for the Go Live and formal testing.

Testing, Training, Deployment & Support

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Tasks:	 Maximo Implementation and RulesManager Training Install Maximo Test, Training and Production Integration Testing Refresh QA and Regression Testing Provide Maximo BIRT Training Develop and Execute User Acceptance Testing Establish Disaster Recovery Environment Plan and Execute Role Based End-User Training Provide System Management Training Go-Live with 2 weeks of on-site support Post Go-Live Support – 3 months
Deliverables:	 4 day Implementation and RulesManager class for 5 students Installation of Maximo environments as identified in the architecture plan End to End System Integration testing Maintained Issues Log through the end of Go-Live Support Completed Regression & Performance Testing Completed and Approved User Acceptance Testing 4 day BIRT training class for 5 students Installed and Tested disaster recovery site Training Schedule and End-User training guides submitted and approved Completed 20 days of Role Based End User training sessions (training laptops provided) Completed 2 days HSE training (training laptops provided) Maximo System Management training / Knowledge transfer for one Maximo system engineer Live Maximo system and on-site support for 2 TRM resources for 2 weeks Post Go-Live support – 3 months
Assumptions:	 TRM will provide training laptops for Implementation and BIRT training User Acceptance Testing will be conducted in IRWD training facilities TRM will conduct one round of user acceptance testing to not exceed 8 days IRWD will provide training facilities for end-user training TRM installs the disaster recovery site and provides IRWD with the items that need to be refreshed for fail over IRWD has the existing software and skills to refresh the database, files, etc for the disaster recovery site During post go-live TRM will respond to system outages in production and issues in production that had been previously resolved in QA
Primary	TRM – Functional & Implementation Leads, Technical Lead, SMEs, Trainers
Resources:	District – Implementation/IT Lead(s), SMEs, User Acceptance Testers,

Stage 2B Details

Formal Testing

Test Tools and approach

There are two approaches that should be considered when identifying the tools for testing. One approach is to script test plans using automated testing software. The other is to create written test plans that are executed by project team members. Automated test plans give the organization the ability to quickly test an application, after a configuration change, prior to releasing the change.

Creating and utilizing automated test plans is a good investment if you are making frequent configuration changes to a production system, which requires extensive application regression testing and quick turn-around times. The benefits to writing automated test plans are:

- Ability to run test plans for the application after each test migration
- Ability to run test plans after changes to an application during testing
- · Ability to run test plans during go-live weekend

Automated test plans will provide the team with the ability to quickly test the application. However, the biggest risk to the Maximo project is the Oracle Financials/Maximo interface. This area is the most complex with the highest level of configuration. These integration points cannot be tested through automated test scripts. The map tabs also cannot be scripted which is another risk area to the project. Reports are the most time consuming testing task and this task cannot be scripted either.

Since the automated testing tool does not address the highest risk item or the highest volume item, it is suggested that test scripts be created in excel and ran manually by assigned team members. The excel testing scripts will also be used as the basis for UAT and as input to the role based manuals. Regardless of the testing approach, the testing team should be composed of individuals from multiple disciplines within IRWD to ensure that the upgraded Maximo system is thoroughly tested at all levels:

- SME's who have participated in the workshops and throughout the application review.
- Maximo administration and support personnel that have a broader view across multiple applications
- Technical experts who are knowledgeable of the integration and system level issues such as performance and stability

The testing team should consist of members from the following areas:

- IRWD Maximo support staff
- IRWD external system stakeholders
- IRWD SME's
- TRM Maximo Consultants and OCM lead

Consistency of methodology and accumulated knowledge are extremely difficult to "hand-off" during a project and typically result in extended timelines and temporary loss of quality and efficiency. Therefore it is imperative that once it has been established, the testing team remains intact throughout the project's lifecycle. Additionally, it is important that once assigned to a particular functional area, testing resources remain assigned to that particular functional area throughout the project lifecycle.

Testing Tools and Techniques

The testing tools will consist of written test scripts, process flows, configuration spreadsheet and integration test scripts. The written test scripts will identify the functionality that is being tested, testing steps (including sample data) and expected results. Documentation of the system configurations, requirements and workflows can also serve as a testing guideline and will be used instead of test scripts in some instances

The Maximo applications are extremely complicated with hundreds of features per application therefore it will be unreasonable to write a test script for every possible scenario. Therefore the test scripts will reflect the most common features and functions that are used in the application as well as what the users do during a typical day. TRM will begin with their standard OOB test scripts and enhance them with any specific configuration, process expectation or key functionality identified in the requirements.

5.3.4.1 Testing Phases

Total Resource Management, Inc.

Integration Testing

Integration testing serves two purposes; testing the functionality of the interfaces and the communication and file/data transfer between systems. Integration testing requires the most coordination of resources and systems. Integration testing cannot occur until the integration points have been established in the testing environments. The integration team must consist of functional and technical experts for both the Maximo system and the integrated systems. It is critical that the entire interface testing team be engaged during the testing task.

TRM will develop functional test scripts that reflect the interface testing steps in Maximo and it is expected that the external interface SME identify their test steps supporting the creation of a joint interface testing document. Additionally TRM and IRWD technical experts will identify how to test and manage the actual interface including the error checking and re-validating functions associated with the interface processing.

Regression & Performance Testing

Regression testing task begins with a fresh migration of the QA environment after the acceptance of the integrations testing phase. This QA environment will be utilized for UAT and will be expected to be an exact replication of production. The TRM team will execute application test scripts, Maximo interface test scripts and UAT test scripts. Upon validation of the QA system UAT can begin. TRM will prepare for and conduct the Performance/System Testing. This will include creating performance test scripts and running and documenting the Performance Test. There will be time allocated for Error Resolution and retesting. Performance test includes TRM's RulesManager product that can be utilized by TRM project team members.

User Acceptance Testing UAT

Throughout the configuration process the SME's will have had the opportunity to see Maximo and play with the system. This phase is the official User Acceptance of the system. The client's UAT team may consist of additional stake holders that will be involved with the acceptance of the system. Therefore we plan that each testing day will begin with application training and presentation of the test scripts. TRM will begin each UAT training day with a review of which applications and functionality will be tested. We will present the requirements, the process flows and explain how the system is intended to work. We will additionally step through the UAT test scripts. After each mornings presentation the users will then have the knowledge to follow and execute the UAT test scripts. Additionally, once the UAT scripts have been followed and issues have been logged TRM will encourage additional adhoc testing.

5.3.4.2 Training

Through the training plan, TRM will assist the District in identifying functional and technical staff that should be trained. TRM will also outline the schedule and content that should be taught. TRM will provide qualified and experienced Maximo functional, technical and training consultants to develop materials for and conduct training (Please see section 5.1.2.2 for details)

Enablement Training

- Implementation training will be conducted before the installation of the Training, QA and production system. This will provide the IRWD Maximo systems manager with the knowledge and training they will need to administer the system. Providing this training prior to installation allows the systems manager to participate and/or understand the installation process. It will also provide the internal IT with the knowledge required to participate in the UAT training. As part of the implementation training, TRM will also instruct appropriate IT SME's and possibly Business SME's on the use of RulesManager applications, how to write basic rules and a half day on MaxAssist and how to build page guides.
- The BIRT training will be provided prior to UAT. This will enable IRWD with the ability to update and modify reports as requested by the end users during UAT.

End User Training

- Training sessions will be optimally organized by functional areas and teach the Maximo
 processes in the context of the District's business process. (See detailed schedule for role
 based training clases)
- Training shall be role based and be held on site using the District Training environment with the District specific data. TRM will develop all role based training and reference materials

IRWD System Admin training and knowledge Transfer

TRM will also:

- Update and Finalize System/Application Configuration.
- Update and Finalize Disaster Recovery Procedure.
- Update and Finalize Administration Procedures.
- The TRM team will obtain certification by the project team that the System is complete in all respects and all known defects have been remedied, the System will be prepared for live operations.

Go Live

TRM will work with the District to implement the deployment plan and schedule for the cutover to the new Maximo system. With no transactional data to migrate the expectation is that the Go-live will have few technical tasks. The expectation is that the users will be closing work orders in the legacy system while creating new work in Maximo. The primary technical test will be to ensure LDAP and EBS integration is functioning properly. Once end-users start creating work orders using the production system, TRM will assign 2 resources from the project team (Integration Lead and Functional Lead) to be on-site for two full weeks.

Post Go Live Support

Following the on-site go-live support weeks, TRM will provide off-site post go-live support for 3 months. TRM will respond to issues escalated by IRWD's Maximo administrator. TRM will respond to system outages and to issues identified in production that had been correct in the QA environment. Any change requests or additional enablement for the remainder of the year can be estimated and billed on a time and materials basis where a "pool" of funding can be allocated for "as needed" support.

5.3.5 Execution Stage 2C - Implementation of Planning & Scheduling

As the District's timeline and objectives were reviewed by the TRM team, we decided to propose a slightly different process for Go Live of the system. The idea is to launch the Planning and Scheduling process and features 3 months after the core Asset and Work Go Live. There are several reasons for TRM suggesting this approach. They are

- Go Live can be accelerated earlier than scheduled in order to meet or exceed deadlines. This can
 be especially true if an organization has not traditionally had Planner/Schedulers. Sometimes this
 process can take more time to establish.
- It allows the team to get comfortable with Maximo and its effective use, before taking the next step up with more formal planning and scheduling.
- This approach will allow the District teams time to capture more accurate and precise actuals and build historical data so that Maximo content for work estimation and scheduling will be more realistic and exact.
- It will allow the District more time to understand their scheduling nuances to better tune the Scheduling tool and adjust training.

Planning and	Scheduling Implementation
Tasks:	 Evaluate actual data as input to the job plan creation process Retest the planning and scheduling features and interfaces Execute Role Base Training Execute Refresher Training
Deliverables:	 Analysis and recommendation for planned materials and plan labor for job plans Provide 8 days for Planner, Scheduler and Assignment Manger training Provide 4 days of refresher training including additional tips and tricks.
Assumptions:	 IRWD have recorded actual material and labor on work order EBS stakeholders are available to retest integration for reservations and warehouse Training will be conducted at IRWD training facilities
Primary	TRM – Functional & Implementation Leads, Technical Lead, SMEs, Trainers
Resources:	District – Implementation/IT Lead(s), End Users

Details

After the Maximo system has been in place for three months, the project team will turn its attention to enabling the Planning, Scheduling, and Assignment functions within IRWD. It is worth noting that in order for the Planners and Schedulers to be successful at their function, they must have access to "good" and timely data within the Maximo environment. Calendars for People, Crews, Locations, Assets, etc. must be established and maintained, in essence confirming the "availability" of any element a Planner/Scheduler would need.

With the Maximo system live and daily tactical data being collected, Planners/Schedulers will be able to utilize the Maximo Planning tools and functions efficiently. The first step will be to refresh/retest the material interface(s) to ensure they are functioning to requirements after the initial Go-live. Any issues will be resolved and the interface will be promoted to production.

Then the project team will update training manuals, plan, schedule, and conduct role-based training sessions with the Planner/Scheduler/Assigner user community. All three of the Planning, Scheduling, and Assignment functions will be provided training. Refresher training will be provided to the field crews. This is an opportunity to address any changes with the implementation of assigning. It will also be an opportunity to hear issues from the field that can be addressed with training as well as provide short cuts and tips and tricks on using the system. In our experience the user adoption increases when the end-users have a chance to ask questions and learn more about the system after a few months of system use. Training will be hands-on in the TRAIN Maximo environment with the learners performing relevant exercises and end-to-end activities so they can see the big picture of their job functions.

5.4 **Detailed Schedule**

Task Name	Duration	Start	Finish	
IRWN Maximo Work & Asset Management System Design and Phase 1 Implementation	318 days	Mon 12/12/16	Wed 2/28/18	
Contract Award	0 days	Mon 12/12/16	Mon 12/12/16	
Phase 1 Business Process Design Phase (Design Phase	102 days	Mon 12/12/16	Tue 5/2/17	



October 27, 2016

Mr. Patrick Sheilds Executive Director of Operations 3512 Michelson Dr. Irvine, CA 92612

Subject: Proposal for 2017 Asset Management Program Development Assistance

Dear Mr. Sheilds,

Kayuga Solution (Kayuga) is pleased to present this proposal for your consideration. Irvine Ranch Water District (IRWD) is continually strengthening its asset management program. To date, IRWD has completed the following core asset management tasks:

- Development of an asset management strategy
- Creation of an Enterprise Asset Management (EAM) implementation roadmap
- Establishment of an asset management team
- Completion of asset inventory, asset hierarchy, and asset data standards
- Selection of Maximo Computerized Maintenance Management System (CMMS)
- Development of Maximo Implementer Request for Proposal (RFP)

With the key tasks completed, IRWD is now phasing into one of the most critical and resource-intensive aspects of an asset management program: the implementation of Maximo CMMS.

Kayuga is honored to be part of IRWD's asset management team. Together, we are able to make great progress and find success in development of IRWD's asset management program. As IRWD enters into to this milestone phase, the implementation of Maximo CMMS, Kayuga proposes to continually guide and support IRWD to ensure successful achievement of this milestone. The following tasks outline Kayuga's proposed asset management scope for 2017:

Task 1 - Asset Management Support — Kayuga has been guiding and supporting asset management program development work (e.g., asset inventory, asset data standards, asset hierarchy, Maximo CMMS implementer RFP). As the asset management program develops, IRWD will require support for asset management training, knowledge transfer, best practice process development, and other tasks. Kayuga's asset management scope is broadly developed to support IRWD's asset management goals and objectives for 2017.

Kayuga will provide a Principal Consultant on-site for two days a week. The Principal Consultant will report to and work out of IRWD Operations Center at 3512 Michelson Drive, Irvine, CA. He will report directly to IRWD's Assistant Director of Maintenance and/or the Asset System Manager. Although the Principal Consultant will be on site two days per week, he will also continue to provide assistance remotely.

Task 2 - Maximo Implementation Support – The key focus of this task is to assist IRWD with the management of Maximo implementation work. IRWD has selected an implementer for Maximo. There is significant preparation, communication, and coordination required for IRWD to successfully support the implementation work. This requires a Maximo specialist who can act as an owner's representative to guide, educate, and prepare IRWD staff. Kayuga proposes to have our Maximo Specialist be available to support IRWD in managing Maximo implementation. The

Maximo Specialist will be available based on IRWD's needs. The Specialist will be on-site or work remotely as requested by IRWD.

Cost of Services

The cost to provide these services will be based on an hourly rate schedule shown below. The cost shall not exceed \$202,020. Any work beyond the scope or budgeted amount will be performed, with IRWD's approval, on the proposed rate schedule as time and material.

Tasics	Col Principal Co	ement	Idey Syachreni Principal Management Consultant				iedy Oy io Speci		Charisse Kimura Management Consultant			
	Hours	\$200/hr		Hours	\$170/hr		Hours	\$185/hr		Hours	\$115/hr	
Asset Management Support	24	\$	4,800	800	\$	\$ 136,000		\$	**	24	\$	2,760
2. Maximo CMMS Implementation Support	16	\$	3,200	200	5	34,000	100	s	18,500	24	\$	2,760
										Total	1: \$	202,02

We thank you for the opportunity to submit this proposal. Please review our proposal and contact us with any questions at your convenience. Thank you again for your consideration.

Sincerely,

Colin Chung, PhD

President

Kayuga Solution, Inc.

colin.chung@kayugasolution.com

(949) 300-3903

November 28, 2016
Prepared and
Submitted by: L. Bonkowski
Approved by: Paul Cook

ACTION CALENDAR

PLACING NOMINATION OF STEVEN LAMAR AS VICE PRESIDENT OF ACWA

SUMMARY:

The Association of California Agencies (ACWA) Nominating Committee will be seeking nominations for a slate of candidates for Vice President and President of ACWA for a two-year term beginning spring 2017. This slate of candidates will be presented to the ACWA membership for election at the ACWA Fall Conference in November 2017. IRWD Director Steven LaMar has expressed an interest in the position of Vice President of ACWA and staff has prepared a resolution, provided as Exhibit "A", for placing his name as a potential nominee.

BACKGROUND:

The Association of California Agencies (ACWA) Nominating Committee will be seeking candidates for a two-year term for the positions of Vice President and President of the association. It is anticipated that all nominations must be received by ACWA by September 1, 2107 to be considered by the Nominating Committee. The Nominating Committee typically will announce its recommended slate of candidates in October and the election will occur at the ACWA Fall Conference in November 2017. Director LaMar has expressed his interest in serving as Vice President of ACWA, and a resolution has been prepared supporting his nomination and also determining that related expenses will be borne by the District.

FISCAL IMPACTS:

The ACWA Vice President will be responsible for attending all ACWA Board meetings and other related industry meetings, including the ACWA conferences; therefore, travel expenses and director fees will be incurred.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

None.

Action Calendar: Placing Nomination of Steven LaMar as Vice President of ACWA

November 28, 2016

Page 2

RECOMMENDATION:

THAT THE BOARD SUPPORT THE NOMINATION OF IRWD DIRECTOR STEVEN LAMAR FOR VICE PRESIDENT OF ACWA FOR A TWO-YEAR TERM BEGINNING JANUARY 1, 2018 AND THAT THE FOLLOWING RESOLUTION BE ADOPTED BY TITLE SUBJECT TO NON-SUBSTANTIVE CHANGES AND IN ACCORDANCE WITH ACWA'S REQUIREMENTS:

RESOLUTION NO. 2016-

RESOLUTION OF THE BOARD OF DIRECTORS OF THE IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA PLACING IN NOMINATION STEVEN LAMAR AS VICE PRESIDENT OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES

LIST OF EXHIBITS:

Exhibit "A" – Resolution

EXHIBIT "A"

RESOLUTION NO. 2016-

RESOLUTION OF THE BOARD OF DIRECTORS OF THE IRVINE RANCH WATER DISTRICT, ORANGE COUNTY, CALIFORNIA PLACING IN NOMINATION STEVEN LAMAR AS VICE PRESIDENT OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES FOR 2018/2019

WHEREAS, the Board of Directors of the Irvine Ranch Water District will be receiving a call for nominations for Vice President of the Association of California Water Agencies' Region for the 2018/19 term, and;

WHEREAS, Irvine Ranch Water District's Board of Director Steven LaMar has indicated a desire to serve as Vice President of the Association of California Water Agencies; and

WHEREAS, Steven LaMar is a current member of ACWA's Region 10's Federal Affairs Committee where he has served for several years and a member of the Headwater Task Force during which time he assisted with drafting the Policy Principles and Headwaters framework; and

WHEREAS, Steven LaMar is a committed and experienced leader in the water industry and his in-depth knowledge and understanding of critical water issues facing California would be a great benefit to the Association; and

WHEREAS, ACWA is the largest coalition of public water agencies in the country and the premier water organization in California.

NOW, THEREFORE, the Board of Directors of the Irvine Ranch Water District DOES HEREBY RESOLVE, DETERMINE and ORDER as follows:

<u>Section 1</u>. Reaffirms its support with the nomination of Steven LaMar for Vice President of the Association of California Agencies in 2018/19, and the Secretary is hereby directed to forward a certified copy of this resolution to the Association of California Water Agencies.

ADOPTED, SIGNED AND APPROVED this 28th day of November, 2016.

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

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