AGENDA IRVINE RANCH WATER DISTRICT BOARD OF DIRECTORS REGULAR MEETING

September 25, 2017

PLEDGE OF ALLEGIANCE

CALL TO ORDER

5:00 p.m., Board Room, District Office

15600 Sand Canyon Avenue, Irvine, California

ROLL CALL

Directors LaMar, Matheis, Swan, Withers and President Reinhart

NOTICE

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

COMMUNICATIONS TO THE BOARD

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

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

PRESENTATION

3. NATIONAL WATER RESEARCH INSTITUTE PRESENTATION

Mr. Kevin Hardy, NWRI's newly appointed Executive Director, will provide an update on current and future research activities.

CONSENT CALENDAR

Items 4-7

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 and John Withers, as described.

CONSENT CALENDAR

Resolution No. 2017-24

Items 4-7

MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the September 11, 2017 Regular Board Meeting be approved as presented.

6. AUGUST 2017 TREASURY REPORT

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report, the Monthly Interest Rate Swap Summary for August 2017, and Disclosure Report of Reimbursements to Board Members and Staff; approve the August 2017 Summary of Payroll ACH payments in the total amount of \$1,741,273 and approve the August 2017 Accounts Payable Disbursement Summary of Warrants 379171 through 380087, Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$20,753,760.

7. <u>IRVINE LAKE PIPELINE NORTH CONVERSION RESERVOIR</u> CONTRACT CHANGE ORDER

Recommendation: That the Board approve Contract Change Order No. 10 with Pascal & Ludwig Constructors in the Amount of \$473,623 for design changes associated with the postponement of the Santiago Hills II Development for the Irvine Lake Pipeline North Conversion Reservoir, Project 05407.

ACTION CALENDAR

8. <u>ENVIRONMENTAL COMPLIANCE CONSULTANT SELECTION</u> FOR THE SYPHON RESERVOIR IMPROVEMENT PROJECT

Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with ESA to complete an Environmental Impact Report for the Syphon Reservoir Improvement Project for a not-to-exceed amount of \$611,226.

9. <u>BUSINESS INTELLIGENCE CLOUD DISASTER RECOVERY</u> IMPLEMENTATION AND REPORTING CONTRACT AWARD

Recommendation: That The Board authorize the addition of Projects 10345 For \$155,000 and 10347 for \$155,000 to the FY 2017-18 Capital Budget and authorize the General Manager to execute a Professional Services Agreement with Dilytics, Inc. in the amount of \$241,000.

IRWD Board of Directors' Meeting September 25, 2017 Page 3

ACTION CALENDAR (CONTINUED)

10. <u>REVISED WATER BANKING, TRANSFERS AND WHEELING</u> POLICY POSITION PAPER

Recommendation: That the Board approve the District's revised Water Banking, Transfers and Wheeling Policy Position Paper.

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.

- 11. A. General Manager's Report
 - B. Directors' Comments
 - C. Adjourn

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

September 25, 2017

Prepared and

Submitted by: L. Bonkowsl

Approved by: P. Cook! (1.

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

October 25 OC Business Council's 23rd Annual Economic Forecast Conference, Irvine

October 26 Southern California Water Committee Annual Meeting & Dinner, Anaheim

John Withers

October 19-20 NWRI Clark Award Reception & Conference, Irvine

Douglas Reinhart

October 26 Southern California Water Committee Annual Meeting & Dinner, Anaheim

Mary Aileen Matheis

August 15 Water Reliability Summit Presented by SMWD, Mission Viejo

October 6 ACWA Regions 9 and 10 Event, Corona

December 13-15 Colorado River Water Users Association Annual Conference, Las Vegas

RECOMMENDATION:

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

LIST OF EXHIBITS:

/ None.

September 25, 2017

Prepared and

Submitted by: K. Swan

Approved by: P. Cook / 6/4

CONSENT CALENDAR

MINUTES OF BOARD MEETING

SUMMARY:

Provided are the minutes of the September 11, 2017 Board Meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE SEPTEMBER 11, 2017 BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" - September 11, 2017 Minutes of Board Meeting

EXHIBIT "A"

MINUTES OF REGULAR MEETING – SEPTEMBER 11, 2017

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President Reinhart on September 11, 2017 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

Directors Present: Reinhart, Swan, LaMar, and Withers (arrived at 5:07 p.m.).

Directors Absent: Matheis.

Also Present: General Manager Cook, Executive Director of Water Policy Weghorst, Executive Director of Engineering and Water Quality Burton, Executive Director of Finance and Administration Clary, Director of Treasury and Risk Management Jacobson, Director of Maintenance Drake, Director of Water Operations Roberts, Director of Water Resources Sanchez, Director of Public Affairs Beeman, Director of Recycling Operations Zepeda, Director of Human Resources Roney, Legal Counsel Smith, Secretary Bonkowski, Assistant Secretary Swan, Asset System Manager Meserlian, Principle Engineer Akiyoshi, Principle Engineer Cortez, Construction Services Manager Moore, Mechanical Services Manager Martin, Public Affairs Manager Fabris, Water Maintenance Supervisor Sanchez, Mr. Frank Tessers, Sr., Mr. Frank Tessers, Jr., and Mr. Bob Denhaan.

WRITTEN COMMUNICATIONS: None.

ORAL COMMUNICATIONS: None.

ITEMS TOO LATE TO BE AGENDIZED: None.

PRESENTATION

RESOLUTION COMMENDING FRANK H. W. TESSERS' SR. SERVICE TO THE DISTRICT

General Manager Cook honored Frank Tessers Sr. for his 34 years of service to the District, and presented him with a plaque. On <u>MOTION</u> by Swan, seconded by Director LaMar and carried (3-0 vote) (Reinhart, LaMar, and Swan voting aye and Withers and Matheis absent), THE BOARD ADOPTED THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2017-23

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT, ORANGE COUNTY,
CALIFORNIA COMMENDING FRANK H.W. TESSERS SR.
FOR HIS DEDICATED AND LOYAL SERVICE TO THE DISTRICT

Director Withers arrived at 5:07 p.m.

CONSENT CALENDAR

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

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

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

5. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the August 28, 2017 Regular Board Meeting be approved as presented.

6. <u>DYER ROAD WELLFIELD WELL NO. 7 AND IRVINE DESALTER PROJECT WELL</u> NO. 107 REHABILITATION FINAL ACCEPTANCE

Recommendation: That the Board accept construction of Dyer Road Wellfield Well No. 7 and Irvine Desalter Project Well No. 107 Rehabilitation, Projects 07093 And 07589; authorize the General Manager to file a Notice of Completion; and authorize the release of retention 35 days after filing of the Notice of Completion.

7. 2017 LEGISLATIVE AND REGULATORY UPDATE

Recommendation: Receive and file.

ACTION CALENDAR

UCI COOLING TOWER RECYCLED WATER CONVERSATION PIPELINE PHASE II BUDGET INCREASE AND CONSTRUCTION AWARD

The UCI Cooling Tower Conversion Recycled Water Pipeline Phase II project will construct approximately 3,000 feet of 12- and 16-inch pipe to convert the water supply of the UCI Cooling Tower system from domestic to recycled water, as well as provide recycled water to the planned growth in the University Research Park area. The conversion of the cooling tower is estimated to save up to 50 million gallons of domestic water annually. This pipeline will connect to a 16-inch pipe that runs 200 feet up California Avenue from the intersection with University Drive.

Executive Director of Engineering and Water Quality Burton reported that while grant funding is not included for the project, he is hopeful for partial funding through the Metropolitan Water District of Southern California. Work for the project will be conducted at night, making the school pleased that it will not impact daily operations.

ACTION CALENDAR CONTINUED

Director LaMar reported that while this item was not reviewed by the Engineering and Operations Committee, it has been covered and discussed at great lengths by the Water Resources Policy and Communications Committee. On MOTION by LaMar, seconded by Swan and unanimously carried, THE BOARD AUTHORIZED A BUDGET INCREASE IN THE AMOUNT OF \$151,000, FROM \$951,500 TO \$1,102,500, FOR PROJECT 07101, AND \$391,600, FROM \$346,500 TO \$738,100, FOR PROJECT 07102; AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH SULLY MILLER CONTRACTING COMPANY IN THE AMOUNT OF \$1,117,500 FOR THE UCI COOLING TOWER RECYCLED WATER CONVERSION PIPELINE PHASE II, PROJECTS 07101 AND 07102.

OTHER BUSINESS

GENERAL MANAGER'S REPORT

As noted on the agenda, General Manager Cook reported the Notice of Action Taken in Closed Session on August 14, 2017: the Board approved terms included in a draft Purchase & Sale Agreement for the sale of the property identified on Biscayne Bay Drive, Lake Forest, CA, subject to certain conditions, and authorized the District's General Manager to execute the final agreement and other related documents to close the transaction on behalf of the District once those conditions were met. Those conditions having been met, the General Manager has executed the agreement on behalf of the District.

He said the sale of the property was one of two featured in the press in Monday's Orange County Business Journal. Copies of the article were provided at the meeting. Director Withers has been recusing himself regarding the sale of the property due to his business relationship with several of the bidders. General Counsel Alfred Smith said the purchase and sale agreement is now available upon request by the public.

General Manager Cook also reported that The Division of Safety of Dams (DSOD) will be releasing classifications of what it considers to be downstream hazards. The classification is not related to the integrity of the dam, but is intended to reflect the potential hazards that exist below each dam.

The General Manager said that four of the District's five dams are classified: San Joaquin and Sand Canyon are classified as "extremely high", while Rattlesnake and Syphon are classified as "high". The designation for the Santiago Dam (Irvine Lake) has not been seen, but may also be classified as "extremely high" based on the other dams' classifications. General Manager Cook indicated that a link to this information has been made available on the District's Web site, to comply with the DSOD's call for transparency.

He said that he and Vice President Swan attended a meeting last week of the City of Newport Beach's Water Quality/Coastal Tidelands Committee to discuss how IRWD manages its recycled water resources. A general overview was provided of main services provided by the District, and explained that under extreme conditions the concept of discharging recycled water into the San Diego Creek watershed. Misinformation expressed by the group regarding how IRWD's water recycling operations interact with OCSD and OCWD were addressed and clarified. While a conclusion was not expected to be reached at this meeting, a commitment was made to the

GENERAL MANAGER'S REPORT CONTINUED

Committee that a workshop(s) would be conducted in the next month or two to develop a more thorough understanding of the issue. Director Swan added that a formal agreement needs to be made by the City of Newport Beach.

(Director Withers departed 5:21p.m.)

IRWD Information Services was unable to execute network upgrades due to technical issues that included the installation of some critical cabling that was delayed by Hurricane Harvey.

General Manager Cook announced that the Peters Canyon Water Channel Water Capture and Reuse Project has been awarded the Environmental Engineering Project of the Year by the Los Angeles Section of the American Society of Civil Engineers (ASCE); the project was recognized by the Orange County Branch of ASCE last spring. The awards ceremony will be held on October 14 in Los Angeles.

The General Manager indicated that he will be traveling to Washington D.C. Tuesday and Wednesday to discuss the Bureau of Reclamation's process for funding Title XVI projects.

DIRECTOR COMMENTS

Director LaMar reported that he attended the OC Forum's Breakfast featuring Gavin Newsom; the 2017 MWDOC Water Policy Forum; a monthly WACO meeting; and the ACWA Regions 3 & 4 Event: California's Headwaters-A Look at How Watersheds are Connected.

Director Swan reported that he attended the OC Forum's Breakfast featuring Gavin Newsom; a monthly WACO meeting; the Newport Chamber of Commerce Meeting; the Newport Beach Water Quality/Coastal Tidelands Committee Meeting with General Manager Cook, and OCWD Board and Committee meetings.

Director Reinhart reported that he met with the General Manager for their Monthly Discussion of District Activities; attended the 2017 MWDOC Water Policy Forum; participated in the South Orange County Agencies Meeting; attended the WACO Meeting; MWDOC Planning and Operations Committee Meeting; MWDOC Workshop with MWD Directors; and the SOCWA Board Meeting.

General Manager Cook reported that IRWD's Consultant, Mr. Bruce Newell is now in Florida providing rescue efforts from Hurricane Irma.

ADJOURNMENT

There being no further business, President Reinhart adjourned the meeting at 5:45 p.m.

APPROVED and SIGNED this 25th day of September, 2017.

| | Secretary IRVINE RANCH WATER DISTRICT |
|-------------------------------------|---------------------------------------|
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| APPROVED AS TO FORM: | |
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| | |
| Alfred Smith, Legal Counsel – Nos | ssaman LLP |
| Tillied Sillien, Legal Counsel 1100 | WHITE SEE |

September 25, 2017 *Pp*

Prepared by: J. Davis/T. Fournier

Submitted by: R. Jacobson/C. Clary

Approved by: Paul Cook

CONSENT CALENDAR

AUGUST 2017 TREASURY REPORTS

SUMMARY:

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

- A. The Investment Summary Report for August 2017. This Investment Summary Report is in conformity with the 2017 Investment Policy and provides sufficient liquidity to meet estimated expenditures during the next six months, as outlined in Exhibit "A".
- В. The Summary of Fixed and Variable Debt as of August 31, 2017, as outlined in Exhibit "B"
- The Monthly Interest Rate Swap Summary as of August 31, 2017, as outlined in C. Exhibit "C".
- D. The August 31, 2017 Disbursement Summary of warrants 379171 through 380087, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$20,753,760 as outlined in Exhibit "D".
- E. The Summary of Payroll ACH payments in the total amount of \$1,741,273, as outlined in Exhibit "E".
- F. The Disclosure Report of Reimbursements to Board Members and Staff for August 2017, detailing payments or reimbursements for individual charges of \$100.00 or more per transaction, as outlined in Exhibit "F".

FISCAL IMPACTS:

As of August 31, 2017, the book value of the investment portfolio was \$321,342,095, with a 1.07% rate of return and a market value of \$320,257,030. Based on the District's June 30, 2017 quarterly real estate investment rate of return of 14.59%, the weighted average return for the fixed income and real estate investments was 3.54%.

As of August 31, 2017, the outstanding principal amount of fixed and variable rate debt was \$692,435,000. The monthly weighted average all-in variable rate was 1.01%. Including the District's weighted average fixed rate bond issues of 3.70% and the previous month's negative cash accruals from fixed payer interest rate swaps, which hedge a portion of the District's variable rate debt, the total average debt rate was 3.49%.

Consent Calendar: August 2017 Treasury Reports

September 25, 2017

Page 2

As of August 31, 2017, the total notional amount of the interest rate swap portfolio was \$130 million of fixed payer swaps. Cash accrual in August from all swaps was negative \$507,000.

Payroll ACH payments totaled \$1,741,273, and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for August totaled \$20,753,760.

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE TREASURER'S INVESTMENT SUMMARY REPORT, THE SUMMARY OF FIXED AND VARIABLE RATE DEBT, THE MONTHLY INTEREST RATE SWAP SUMMARY FOR AUGUST 2017, AND DISCLOSURE REPORT OF REIMBURSEMENTS TO BOARD MEMBERS AND STAFF; APPROVE THE AUGUST 2017 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$1,741,273 AND APPROVE THE AUGUST 2017 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 379171 THROUGH 380087, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$20,753,760.

LIST OF EXHIBITS:

Exhibit "A" – Investment Summary Report

Exhibit "B" – Summary of Fixed and Variable Debt

Exhibit "C" – Monthly Interest Rate Swap Summary

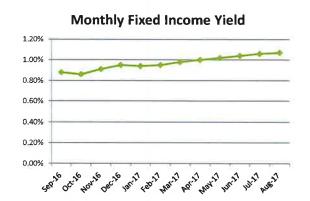
Exhibit "D" – Monthly Summary of District Disbursements

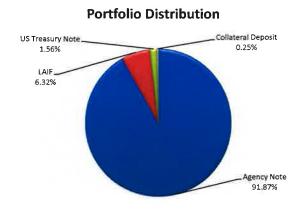
Exhibit "E" - Monthly Payroll ACH Summary

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

Exhibit "A"

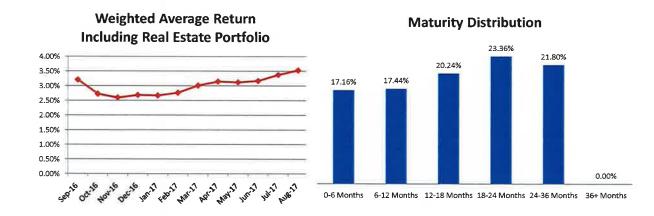
Irvine Ranch Water District Investment Portfolio Summary August 2017





Investment Summary

| Туре | PAR | Book Value | Market Value |
|--------------------|-------------|-------------|--------------|
| Agency Note | 295,000,000 | 295,215,886 | 294,150,180 |
| LAIF | 20,300,000 | 20,300,000 | 20,283,272 |
| US Treasury Note | 5,000,000 | 5,009,231 | 5,006,600 |
| Collateral Deposit | 816,978 | 816,978 | 816,978 |
| Grand Total | 321,116,978 | 321,342,095 | 320,257,030 |



Top Issuers

| Issuer | PAR | % Portfolio |
|-------------------------------------|-------------|-------------|
| Fed Home Loan Bank | 106,000,000 | 33.01% |
| Fed Home Loan Mortgage Corp | 84,000,000 | 26.16% |
| Fed Farm Credit Bank | 55,000,000 | 17.13% |
| Fed Natl Mortgage Assoc | 50,000,000 | 15.57% |
| State of California Treasury - LAIF | 20,300,000 | 6.32% |
| US Treasury Note | 5,000,000 | 1.56% |
| Citi-Group Collateral | 816,978 | 0 25% |
| Merrill Lynch Collateral | 0 | 0.00% |
| Grand Total | 321,116,978 | 100.00% |

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT

08/31/17

| | Call | Initial | Maturity | | INVESTMENT | INSTITUTION / | PAR | COUPON | | ORIGINAL | CARRY VALUE | MARKET VALUE ⁽¹⁾ | UNREALIZED(2) |
|----------|------------------|----------|----------|-------------|--------------------|-----------------------------|--------------|----------|---------|-----------------|-----------------|-----------------------------|---------------|
| SETTLMT | Schedule | Call | Date | Rating | TYPE | ISSUER | Amount | DISCOUNT | YIELD | CO\$T | | 8/31/2017 | GAIN/(LOSS) |
| 08/23/17 | | | 09/01/17 | | LAIF | State of California Tsy. | \$20,300,000 | | 1,080% | \$20,300,000.00 | \$20,300,000,00 | 20,283,271.81 | (16,728,19) |
| | | | | | | | | | | | | | |
| 09/16/15 | N/A | N/A | 09/15/17 | Aaa/AA+/AAA | FHLMC - Note | Fed Home Loan Mortgage Corp | 5,000,000 | 0.900% | 0.915% | 4,998,500.00 | 4,999,971.23 | 5,000,050,00 | 78,77 |
| 01/30/17 | N/A | N/A | 10/31/17 | NR | US Treasury - Note | US Treasury | 5,000,000 | 1.875% | 0.743% | 5,042,154.40 | 5,009,230,89 | 5,006,600,00 | (2,630.89) |
| 12/08/16 | N/A | N/A | 11/21/17 | AAA/NR/NR | FHLB - Note | Fed Home Loan Bank | 10,000,000 | 0.750% | 0.866% | 9,989,000.00 | 9,997,439.66 | 9,992,800,00 | (4,639,66) |
| 12/18/15 | Continuous after | 12/13/13 | 12/12/17 | Aaa/AA+/NR | FFCB - Note | Fed Farm Credit Bank | 5,000,000 | 0.820% | 1,132% | 4,969,500.00 | 4,995,708.97 | 4,998,000.00 | 2,291,03 |
| 04/22/16 | N/A | N/A | 01/29/18 | Aaa/AA+/AAA | FHLMC - Note | Fed Home Loan Mortgage Corp | 4,000,000 | 0.850% | 0,856% | 3,999,600.00 | 3,999,907.26 | 3,996,600.00 | (3,307,26) |
| 03/01/16 | Quarterly | 05/26/16 | 02/26/18 | NR/AA+/AAA | FHLMC - Note | Fed Home Loan Mortgage Corp | 5,000,000 | 1.050% | 1,050% | 5,000,000.00 | 5,000,000.00 | 4,996,650.00 | (3,350,00) |
| 03/23/16 | N/A | N/A | 03/23/18 | Aaa/AA+/AAA | FHLMC - Note | Fed Home Loan Mortgage Corp | 5,000,000 | 1.100% | 0.908% | 5,019,000.00 | 5,005,283,56 | 4,994,200.00 | (11,083,56) |
| 04/07/16 | N/A | N/A | 04/09/18 | NA | FHLMC - Note | Fed Home Loan Mortgage Corp | 5,000,000 | 0.750% | 0.790% | 4,996,000.00 | 4,998,797.81 | 4,987,600.00 | (11,197.81) |
| 05/16/16 | N/A | N/A | 05/16/18 | Aaa/AA+/NR | FFCB - Note | Fed Farm Credit Bank | 5,000,000 | 0.750% | 0.801% | 4,995,000.00 | 4,998,239.73 | 4,988,350.00 | (9,889.73) |
| 05/13/16 | N/A | N/A | 05/21/18 | Aaa/AA+/AAA | FNMA - Note | Fed Natl Mortgage Assoc | 5,000,000 | 0.875% | 0.768% | 5,010,700.00 | 5,003,798.64 | 4,987,700.00 | (16,098.64) |
| 05/24/16 | N/A | N/A | 06/08/18 | Aaa/AA+/NR | FHLB - Note | Fed Home Loan Bank | 11,000,000 | 1.250% | 0.995% | 11,056,540.00 | 11,021,249.93 | 11,001,430.00 | (19,819.93) |
| 06/29/16 | N/A | N/A | 06/29/18 | Aaa/AA+/AAA | FHLMC - Note | Fed Home Loan Mortgage Corp | 10,000,000 | 1.000% | 0.679% | 10,016,000.00 | 10,006,597.26 | 9,978,100.00 | (28,497,26) |
| 09/01/16 | N/A | N/A | 07/27/18 | Aaa/AA+/AAA | FNMA - Note | Fed Natl Mortgage Assoc | 5,000,000 | 0.750% | 0.928% | 4,983,250,00 | 4,992,059.44 | 4,976,800.00 | (15,259.44) |
| 12/21/16 | N/A | N/A | 08/15/18 | Aaa/AA+/AAA | FHLMC - Note | Fed Home Loan Mortgage Corp | 5,000,000 | 1.000% | 1.245% | 4,980,000,00 | 4,988,438,54 | 4,988,000.00 | (438.54) |
| 09/01/16 | One Time | 02/28/17 | 08/28/18 | Aaa/AA+/NR | FHLB - Note | Fed Home Loan Bank | 5,000,000 | 1.000% | 1.000% | 5,000,000.00 | 5,000,000.00 | 4,986,150.00 | (13,850.00) |
| 09/01/16 | NA | NA | 09/14/18 | Aaa/AA+/NR | FHLB - Note | Fed Home Loan Bank | 5,000,000 | 1.125% | 0.916% | 5,021,000.00 | 5,010,683.71 | 4,991,800,00 | (18,883.71) |
| 12/28/16 | NA | NA | 09/14/18 | Aaa/AA+/NR | FHLB - Note | Fed Home Loan Bank | 5,000,000 | 1.125% | 1.225% | 4,991,500.00 | 4,994,859.20 | 4,991,800,00 | (3,059.20) |
| 10/12/16 | N/A | N/A | 09/27/18 | Aaa/AA+/NR | FHLB - Note | Fed Home Loan Bank | 10,000,000 | 0.900% | 0.952% | 9,990,000.00 | 9,994,251.75 | 9,968,000,00 | (26,251.75) |
| 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 | 4,996,547,49 | 4,982,300,00 | (14,247.49) |
| 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 | 5,005,587.17 | 4,989,250.00 | (16,337.17) |
| 10/12/16 | N/A | N/A | 10/12/18 | Aaa/NR/NR | FFCB - Note | Fed Farm Credit Bank | 10,000,000 | 1.000% | 1.041% | 9,992,000.00 | 9,995,331,51 | 9,953,800.00 | (41,531,51) |
| 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 | 10,085,373.61 | 10,041,400.00 | (43,973.61) |
| 12/21/16 | N/A | N/A | 12/05/18 | Aaa/AA+/AAA | FFCB - Note | Fed Farm Credit Bank | 5,000,000 | 1.100% | 1.319% | 4,978,900.00 | 5,051,342,57 | 4,986,600,00 | (64,742.57) |
| 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 | 5,027,169,43 | 5,026,350,00 | (819.43) |
| 12/27/16 | NA. | NA | 12/14/18 | Aaa/AA+/NR | FHLB - Note | Fed Home Loan Bank | 5,000,000 | 1.750% | 1.320% | 5,041,536.20 | 4,986,406.16 | 5,026,350.00 | 39,943.84 |
| 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 | 4,995,900.11 | 4,970,200.00 | (25,700.11) |
| 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 | 4,993,996.37 | 4,970,200.00 | (23,796.37) |
| 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 | 4,993,680.39 | 4,970,200.00 | (23,480,39) |
| 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 | 9,993,563.89 | 9,950,200.00 | (43,363.89) |
| 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 | 5,040,059.37 | 5,010,800.00 | (29,259.37) |
| 10/12/16 | N/A | N/A | 03/29/19 | Aaa/AA+/AAA | FHLMC - Note | Fed Home Loan Mortgage Corp | 5,000,000 | 1.050% | 1.050% | 4,999,950.00 | 4,999,966,93 | 4,970,850.00 | (29,116.93) |
| 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 | 10,021,902.51 | 9,967,300.00 | (54,602,51) |
| 10/31/16 | N/A | N/A | 04/15/19 | Aaa/AA+/AAA | FHLMC - Note | Fed Home Loan Mortgage Corp | 5,000,000 | 1.050% | 1.060% | 4,998,750.00 | 4,999,168.96 | 4,971,900.00 | (27,268.96) |
| 09/01/16 | One Time | 08/28/17 | 05/28/19 | Aaa/AA+/NR | FHLB - Note | Fed Home Loan Bank | 5,000,000 | 1.030% | 1.048% | 4,997,550.00 | 4,998,445.15 | 4,962,250.00 | (36,195,15) |
| 37/01/10 | Olic Tillic | V0/20/1/ | 03/20/19 | Add/AAT/INK | ATILD - NOIC | rea nome roam dank | 2,000,000 | 1.05070 | 1.04070 | 4,771,330.00 | 4,770,443,13 | 4,702,230.00 | (30,173-13) |

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT

| | | | | | | 08/31/17 | | | | | | | |
|-----------------------|--|-------------------------------|--------------------------------|---------------------------|--|-----------------------------|------------------------|--------------------|---------------------------------------|--|------------------------------|--|--|
| SETTLMT | Call Schedule | Initial Call | Maturity Date | Rating | INVESTMENT TYPE | INSTITUTION / ISSUER | PAR Amount | COUPON DISCOUNT | YIELD | ORIGINAL COST | CARRY VALUE | MARKET VALUE ⁽¹⁾ 8/31/2017 | UNREALIZED ⁽²⁾ GAIN/(LOSS) |
| 09/01/16 | NA | NA | 06/14/19 | Aaa/AA+/NR | FHLB - Note | Fed Home Loan Bank | 5,000,000 | 1,625% | 0.987% | 5,087,400,00 | 5,056,001,38 | 5,019,950,00 | (36,051.38) |
| 10/12/16 | NA | NA | 06/14/19 | Aaa/AA+/NR | FHLB - Note | Fed Horne Loan Bank | 5,000,000 | 1.625% | 1.103% | 5,068,515,88 | 5,047,152.98 | 5,019,950.00 | (27,202,98) |
| 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 | 4,978,787.08 | 4,953,250.00 | (25,537.08) |
| 09/01/16 | NA | NA | 07/26/19 | Aaa/AA+/AAA | FNMA - Note | Fed Natl Mortgage Assoc | 5,000,000 | 1.150% | 1_180% | 4,995,700,00 | 4,997,183,46 | 4,972,850.00 | (24,333,46) |
| 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 | 4,999,001.83 | 4,937,450.00 | (61,551.83) |
| 09/01/16 | NA | NA | 08/28/19 | Aaa/AA+/AAA | FNMA - Note | Fed Natl Mortgage Assoc | 5,000,000 | 1.125% | 1.132% | 4,999,000.00 | 4,999,334.56 | 4,968,750,00 | (30,584.56) |
| 09/28/16 | Quarterly | 03/09/17 | 09/09/19 | Aaa/AA+/AAA | FNMA - Note | Fed Natl Mortgage Assoc | 5,000,000 | 1.125% | 1.142% | 4,997,500,00 | 4,998,283,13 | 4,962,750,00 | (35,533,13) |
| 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 | 5,001,036,56 | 4,959,450,00 | (41,586,56) |
| 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 | 9,992,640.85 | 9,915,500.00 | (77,140,85) |
| 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 | 9,981,946.98 | 9,916,100,00 | (65,846,98) |
| 11/08/16 | Quarterly | 05/08/17 | 11/08/19 | Aaa/AA+/NR | FNMA - Note | Fed Natl Mortgage Assoc | 5,000,000 | 1.250% | 1.245% | 5,000,750.00 | 5,000,546.58 | 4,966,550.00 | (33,996.58) |
| 11/28/16 | NA | NA | 11/15/19 | Aaa/AA+/NR | FHLB - Note | Fed Home Loan Bank | 5,000,000 | 1.375% | 1.440% | 4,990,550.00 | 4,992,969,27 | 4,994,750,00 | 1,780,73 |
| 11/28/16 | Quarterly | 05/25/17 | 11/25/19 | Aaa/AA+/NR | FNMA - Note | Fed Natl Mortgage Assoc | 5,000,000 | 1.400% | 1.503% | 4,985,000.00 | 4,988,804,95 | 4,985,800,00 | (3,004,95) |
| 12/12/16 | NA | NA | 12/12/19 | Aaa/AA+/NR | FFCB - Note | Fed Farm Credit Bank | 5,000,000 | 1.450% | 1.440% | 5,001,450,00 | 5,001,101.42 | 4,998,200,00 | (2,901.42) |
| 12/21/16 | NA | NA | 12/19/19 | Aaa/AA+/NR | FFCB - Note | Fed Farm Credit Bank | 5,000,000 | 1,500% | 1.621% | 4,982,350.00 | 4,986,451.65 | 5,001,900.00 | 15,448.35 |
| 05/12/17 | One Time | | 04/27/20 | Aaa/AA+/AAA | FHLMC - Note | Fed Home Loan Mortgage Corp | 5,000,000 | 1_750% | 1.729% | 5,003,000.00 | 5,002,914.76 | 5,003,000.00 | 85_24 |
| | | | | | | | | | | | | | |
| SUB-TOTAL | | | | | | | \$320,300,000 | | | \$320,711,289.38 | \$320,525,116.61 | \$319,440,051.81 | (\$1,085,064.81) |
| 04/01/17 SUB-TOTAL | | | | | Collateral Deposit Collateral Deposit | Citi-Group Merrill Lynch | \$816,978 \$816,978 | | 1.160% | \$816,977.89 \$816,977.89 | \$816,977.89 \$816,977.89 | \$16,977.89 \$816,977.89 | |
| TOTAL INVE | STMENTS | | | | | | \$321,116,978 | 3) | | \$321,528,267,27 | \$321,342,094.50 | \$320,257,029.70 | |
| | | | | | Petty Cash Ck Balance | Bank of America | | | | 3,400.00 941,091.65 \$322,472,758.92 | | | |
| r broker dealer p | are determine ricing d against carry | ed using Ban y value using | k of New Yor the trading va | k ("Trading Prices"), B | cloomberg of New York/or Broker | s | | Investment Ba | ing Variable alance: Variable R | te Debt : Rate Debt (Less \$13 ate Debt Ratio: ber of Days To Matur | | r swaps) | \$291,900,000 \$161,900,000 \$322,472,759 199% 456 |
| | oosits assumes | 6 month ma | nturity, depend | lent on interest rate cha | nges | | | | | | Investment | Real Estate(3) | Weighted Avg. |
| ap Collateral Dep | | | | | | | | | | | Portfolio | Portfolio | Return |
| ap Collateral Dep | | | | | | | | | | 1 | | | |
| ap Collateral Dep | | | | | | | | | | Anonet | 1.07% | 14.59% | 3.54% |
| | nary Report is | in conformi | ty with the 201 | 17 Investment Policy | | | | | | August July | | 14.59% 14.59% | 3.54% 3.38% |
| nvestment Summ | | | | 17 Investment Policy | | | | | | August July Change | 1.06% | 14.59% 14.59% | 3.54% 3.38% 0.16% |

IRVINE RANCH WATER DISTRICT SUMMARY OF MATURITIES

08/31/17

| DATE | TOTAL | % | LAIF | Agency Notes | Agency Discount Notes | Collateral Deposit | US Treasury |
|-------------------------|---------------|---------|--------------|---------------|--------------------------|--------------------|-------------|
| 09/17 | \$25,300,000 | 7.88% | \$20,300,000 | 5,000,000 | | | |
| 10/17 | 5,000,000 | 1.56% | | | | | 5,000,000 |
| 11/17 | 10,000,000 | 3.11% | | 10,000,000 | | | |
| 12/17 | 5,000,000 | 1.56% | | 5,000,000 | | | |
| 01/18 | 4,816,978 | 1.50% | | 4,000,000 | | 816,978 | |
| 02/18 | 5,000,000 | 1.56% | | 5,000,000 | | | |
| 03/18 | 5,000,000 | 1.56% | | 5,000,000 | | | |
| 04/18 | 5,000,000 | 1.56% | | 5,000,000 | | | |
| 05/18 | 10,000,000 | 3.11% | | 10,000,000 | | | |
| 06/18 | 21,000,000 | 6.54% | | 21,000,000 | | | |
| 07/18 | 5,000,000 | 1.56% | | 5,000,000 | | | |
| 08/18 | 10,000,000 | 3.11% | | 10,000,000 | | | |
| SUB-TOTAL | \$111,116,978 | 34.60% | \$20,300,000 | \$85,000,000 | | \$816,978 | \$5,000,000 |
| 13 Months - 3 YEARS | | | | | | | |
| 9/01/18 - 10/31/2018 | 40,000,000 | 12.46% | | 40,000,000 | | | |
| 11/01/18 - 1/31/2019 | 25,000,000 | 7.79% | | 25,000,000 | | | |
| 2/01/19 - 4/30/2019 | 50,000,000 | 15.57% | | 50,000,000 | | | |
| 4/01/2019 - 7/31/19 | 25,000,000 | 7.79% | | 25,000,000 | | | |
| 8/01/19 - 10/31/2019 | 40,000,000 | 12.46% | | 40,000,000 | | | |
| 11/01/2019 - 1/31/2020 | 25,000,000 | 7.79% | | 25,000,000 | | | |
| 02/01/2020 - 04/30/2020 | 5,000,000 | 1.56% | | 5,000,000 | | | |
| | - | | | | | | |
| | - | | | | | | |
| TOTALS | \$321,116,978 | 100.00% | \$20,300,000 | \$295,000,000 | 1 | \$816,978 | \$5,000,000 |

0.25%

1.56%

Irvine Ranch Water District Summary of Real Estate - Income Properties 6/30/2017

| | ACQUISITION DATE | PROPERTY TYPE | OWNERSHIP INTEREST | ORIGINAL COST | STIMATED RKET VALUE 6/30/2017 | RATE OF RETURN QUARTER ENDED 6/30/2017 |
|---------------------------------|------------------|------------------|-----------------------|-------------------------------|-------------------------------------|--|
| Sycamore Canyon | Dec-92 | Apartments | Fee Simple | \$ 43,550,810 | \$ 147,507,750 | 19.05% |
| Wood Canyon Villas | Jun-91 | Apartments | Limited Partner | \$ 6,000,000 | \$ 28,934,076 | 8.57% |
| ITC (230 Commerce) | Jul-03 | Office Building | Fee Simple | \$ 5,739,845 | \$ 9,571,680 | 9.09% |
| Waterworks Business Pk. | Nov-08 | Research & Dev. | Fee Simple | \$ 8,630,577 | \$ 7,803,000 | 5.94% |
| Sand Canyon Professional Center | Jul-12 | Medical Office | Fee Simple | \$ 8,648,594 \$ 72,569,826 | \$ 10,820,160 204,636,666 | 8.59% 14.59% |

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT INVESTMENT ACTIVITY Aug-17

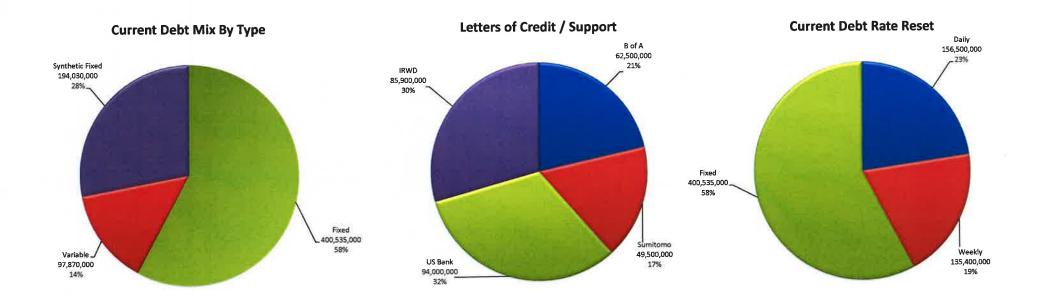
MATURITIES/SALES/CALLS

PURCHASES

| DATE | SECURITY TYPE | PAR | YIELD | Settlement Date | Maturity Date | SECURITY TYPE | PAR | YIELD TO MATURITY |
|-----------|---------------|-------------|-------|--------------------|---------------|---------------|-----|----------------------|
| 8/28/2017 | FHLB - Note | \$5,000,000 | 0.80% | | • | | | |
| | | | | | | | | |
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| | | | | | | | | |

Exhibit "B"

Irvine Ranch Water District Summary of Fixed and Variable Rate Debt August 2017



| | | Outstar | nding Par by Se | ries | | | | |
|---------------------------------|--|---------------|--------------------------------|---------|---------------------|------------|----------|--------|
| Series | Issue Date | Maturity Date | Remaining Princi pal | Percent | Letter of Credit | Rmkt Agent | Mode | Reset |
| Series 1993 | 05/19/93 | 04/01/33 | \$31,500,000 | 4.55% | US Bank | BAML | Variable | Daily |
| Series 2008-A Refunding | 04/24/08 | 07/01/35 | \$49,500,000 | 7.15% | Sumitomo | BAML | Variable | Weekly |
| Series 2011-A-1 Refunding | 04/15/11 | 10/01/37 | \$51,540,000 | 7.44% | IRWD | Goldman | Variable | Weekly |
| Series 2011-A-2 Refunding | 04/15/11 | 10/01/37 | \$34,360,000 | 4.96% | IRWD | Morgan | Variable | Weekly |
| Series 2009 - A | 06/04/09 | 10/01/41 | \$62,500,000 | 9.03% | US Bank | US Bank | Variable | Daily |
| Series 2009 - B | 06/04/09 | 10/01/41 | \$62,500,000 | 9.03% | B of A | Goldman | Variable | Daily |
| 2010 Refunding Cops | 02/23/10 | 03/01/20 | \$5,390,000 | 0.78% | N/A | N/A | Fixed | Fixed |
| 2016 COPS | 09/01/16 | 03/01/46 | \$116,745,000 | 16.86% | N/A | N/A | Fixed | Fixed |
| 2010 Build America Taxable Bond | 12/16/10 | 05/01/40 | \$175,000,000 | 25.27% | N/A | N/A | Fixed | Fixed |
| Series 2016 | 10/12/16 | 02/01/46 | \$103,400,000 | 14.93% | N/A | N/A | Fixed | Fixed |
| Total | The state of the s | | \$692,435,000 | 100.00% | | | | |

IRVINE RANCH WATER DISTRICT SUMMARY OF DEBT RATES Aug-17

| Rmkt Agent | GOLDMAN DAILY | GOLDMAN WEEKLY | MORGAN STANLEY WEEKLY | MERRIL DAILY | L LYNCH WEEKLY | US BANK DAILY |
|--------------------|------------------|-------------------|--------------------------|-----------------|-------------------|------------------|
| Bond Issue | 2009 - B | 2011 A-1 | 2011 A-2 | 1993 | 2008-A | 2009-A |
| Par Amount | 62,500,000 | 51,540,000 | 34,360,000 | 31.500.000 | 49,500,000 | 62,500,000 |
| Bank | BOFA | (SIFMA+7) | (SIFMA+7) | US BANK | Sumitomo | US BANK |
| Reset | | Wednesday | Wednesday | 1 1 2 2 1 11 11 | Wednesday | 000 |
| | | | * | | | |
| 8/1/2017 | 0.50% | 0.89% | 0.89% | 0.47% | 0.77% | 0.57% |
| 8/2/2017 | 0,46% | 0.89% | 0.89% | 0.43% | 0.77% | 0.48% |
| 8/3/2017 | 0.42% | 0.86% | 0.86% | 0.41% | 0.74% | 0.47% |
| 8/4/2017 | 0.42% | 0.86% | 0.86% | 0.44% | 0.74% | 0.46% |
| 8/5/2017 | 0.42% | 0.86% | 0.86% | 0.44% | 0.74% | 0.46% |
| 8/6/2017 | 0.42% | 0.86% | 0.86% | 0.44% | 0.74% | 0.46% |
| 8/7/2017 | 0.45% | 0.86% | 0.86% | 0.44% | 0.74% | 0.46% |
| 8/8/2017 | 0.45% | 0.86% | 0.86% | 0.43% | 0.74% | 0.46% |
| 8/9/2017 | 0.43% | 0.86% | 0.86% | 0.43% | 0.74% | 0.45% |
| 8/10/2017 | 0.43% | 0.85% | 0.85% | 0.43% | 0.73% | 0.45% |
| 8/11/2017 | 0.44% | 0.85% | 0.85% | 0.46% | 0.73% | 0.44% |
| 8/12/2017 | 0.44% | 0.85% | 0.85% | 0.46% | 0.73% | 0.44% |
| 8/13/2017 | 0.44% | 0.85% | 0.85% | 0.46% | 0.73% | 0.44% |
| 8/14/2017 | 0.45% | 0.85% | 0,85% | 0.46% | 0.73% | 0.44% |
| 8/15/2017 | 0.45% | 0.85% | 0.85% | 0.44% | 0.73% | 0.46% |
| 8/16/2017 | 0.45% | 0.85% | 0.85% | 0.44% | 0.73% | 0.47% |
| 8/17/2017 | 0.47% | 0.84% | 0.84% | 0.50% | 0.70% | 0.48% |
| 8/18/2017 | 0.50% | 0.84% | 0.84% | 0.52% | 0.70% | 0.52% |
| 8/19/2017 | 0.50% | 0.84% | 0.84% | 0.52% | 0.70% | 0.52% |
| 8/20/2017 | 0.50% | 0.84% | 0.84% | 0.52% | 0.70% | 0.52% |
| 8/21/2017 | 0.53% | 0.84% | 0.84% | 0.54% | 0.70% | 0.54% |
| 8/22/2017 | 0.53% | 0.84% | 0.84% | 0,55% | 0.70% | 0.54% |
| 8/23/2017 | 0.57% | 0.84% | 0.84% | 0.55% | 0.70% | 0.55% |
| 8/24/2017 | 0.57% | 0.85% | 0.85% | 0.58% | 0.78% | 0.60% |
| 8/25/2017 | 0.62% | 0.85% | 0.85% | 0.61% | 0.78% | 0.62% |
| 8/26/2017 | 0.62% | 0.85% | 0.85% | 0.61% | 0.78% | 0.62% |
| 8/27/2017 | 0.62% | 0.85% | 0.85% | 0.61% | 0.78% | 0.62% |
| 8/28/2017 | 0.70% | 0.85% | 0.85% | 0.63% | 0.78% | 0.64% |
| 8/29/2017 | 0.68% | 0.85% | 0.85% | 0.63% | 0.78% | 0.69% |
| 8/30/2017 | 0.70% | 0.85% | 0.85% | 0.66% | 0.78% | 0.69% |
| 8/31/2017 | 0.72% | 0.86% | 0.86% | 0.66% | 0.75% | 0.69% |
| Avg Interest Rates | 0.51% | 0.85% | 0.85% | 0.51% | 0.74% | 0.52% |
| Rmkt Fee | 0.10% | 0.13% | 0.13% | 0.10% | 0.07% | 0.07% |
| LOC Fee | 0.40% | | | 0.33% | 0.32% | 0.41% |
| All-In Rate | 1.01% | 0.98% | 0.98% | 0.94% | 1.13% | 1.01% |
| Par Amount | | 114,040,000 | 34,360,000 | | 81,000,000 | 62,500,000 |

| | Percent of | Par | Weighted All-In | | Base Rate |
|--------------------|-----------------------------|-------------------|-----------------|-----|-----------|
| Interest Rate Mode | Total Variable Rate Debt | Outstanding | Average Rate | | Average |
| Daily | 53.61% | 156,500,000 | 1.00% | - | 0.52% |
| Weekly | 46.39% | 135,400,000 | 1.03% | | 0.81% |
| 17 | 100.00% | \$ 291,900,000 | 1.01% | | 0.65% |
| Fixed | | | | | |
| COPS 2010 | 1.35% | 5,390,000 | 3.82% | | |
| COPS 2016 | 29.15% | 116,745,000 | 2.90% | | |
| BABS 2010 | 43.69% | 175,000,000 | 4.46% | (1) | |
| SERIES 2016 | 25.82% | 103,400,000 | 3.32% | | |
| | 100.00% | \$ 400,535,000 | 3.70% | | |

⁽¹⁾ Rate adjusted up from 4.35% as a result of sequestration reducing BAB's subsidy by 6.8%

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

Exhibit "C"

LIBOR Avg % 1.23% 0.84% 1.23% **Current Fiscal Year Active Swaps** Cash Flow (Since 6/06) Mark to Market Maturity Years to Counter Cumulative **Current Mark to Effective** Base Current Notional Maturity **Notional Amt** Fiscal YTD Cash Flow Difference Date Date Party Type Index **Fixed Rate** Prior Month Month Market Fixed Payer Swaps - By Effective Date 6/4/2006 6/4/2019 ML 20,000,000 FXP LIBOR 6.200% (86,029)(82,155) \$ (168,184) \$ (11,091,476) \$ 18,343,296 \$ (1,656,704) 6/4/2019 CG LIBOR (86,029)18,343,627 6/4/2006 1.8 20,000,000 FXP 6.200% (82, 155)(168, 184)(11,091,476) (1,656,373)6/17/2006 6/17/2019 CG 30,000,000 LIBOR 6.140% (127, 185)(121,807)(248,992)(16,451,649) 27,498,356 (2,501,644) 1.8 FXP 3/10/2007 3/10/2029 ML 11.5 30,000,000 FXP LIBOR 5.687% (116, 187)(110,442)(226,629)(14,832,436) 18,745,107 (11,254,893) 3/10/2007 3/10/2029 11.5 CG 30,000,000 FXP LIBOR 5.687% (116, 187)(110,442) (226,629)(14,832,436) 18,741,362 (11,258,638) Totals/Weighted Avgs 130,000,000 5.949% \$ (531,616) \$ (507,000) \$ (1,038,616) \$ (68,299,472) 101.671.748 \$ (28.328.252)**Total Current Year Active Swaps** \$ 130,000,000 \$ (531,616) \$ (507,000) \$ (1,038,616) \$ (68,299,472) \$ 101,671,748 \$ (28,328,252)

Month

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

Current Fiscal Year - Total Swaps

| Cash Flow | | | | | | | | |
|-----------|---------|------------|------------|--|--|--|--|--|
| Prior | Current | | Cumulative | | | | | |
| Month | Month | Fiscal YTD | Cash Flow | | | | | |

Prior Mo. | Current Mo. | 12-Mo Avg

| Mark to Market | | | | | | | |
|-----------------|------------|--|--|--|--|--|--|
| Current Mark to | Notional | | | | | | |
| Market | Difference | | | | | | |

Total Current Year Terminated Swaps

\$

Cash Flow
Prior Current Cumulative

Month

Mark to Market

Current Mark to Notional

Market Difference

Total Current Year Active & Terminated Swaps

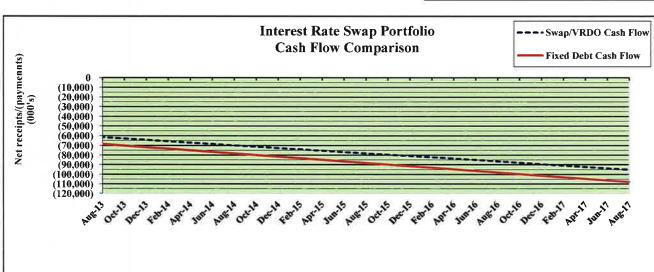
\$ 130,000,000

\$ (531,616) \$ (507,000) \$ (1,038,616) \$ (68,299,472) \$

Fiscal YTD

Cash Flow

101,671,748 \$ (28,328,252)



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt

Cash Flow to Date

Synthetic Fixed = \$95,053,368

Fixed Rate = \$116,027,048

Assumptions:

- Fixed rate debt issued at 5.10% in Jun-06, and 4.93% in Mar-07 (estimated TE rates - Bloomberg)
- 'Synthetic' includes swap cash flow + interest + fees to date

Exhibit "D"

IRWD Ledger Upgrade

Void Payment Register

Include Zero Amount Payments: Yes Display Payee Address: No

Period From: 01-AUG-17

Bank: Bank of America N.A.

Branch: Los Angeles

Account: Checking AP and PR

| Bank Account | Currency: US | D | Payment | Currency: USD (US Dollar) | | |
|--|--|--|-------------------------|-----------------------------|--------------------------------------|--|
| Payment Number | | Payee Name | Site | Address | Payment Amount | Void Date |
| | Document: IR | MD CHECK | | | | |
| 376473 376537 376826 378439 379696 379715 | 13-APR-17 26-APR-17 29-JUN-17 17-AUG-17 | RICHMOND AMERICAN HOMES OF COTTEZ, Malcolm A (Malcolm) RICOH ELECTRONICS INC HOWELL, CHUCK WEISE, STEVE A & AMBER Riddle, Rosemary T (Rosemar | PAY ORANGE ORANGE | | 97.91 78.69 1,071.07 474.84 | 16-AUG-17 18-AUG-17 16-AUG-17 15-AUG-17 17-AUG-17 21-AUG-17 |
| | | | | Payment Document Subtotal | 11,558.51 | |
| | | | | Bank Account Subtotal | 11,558.51 | |
| Report | Count: 6 | | | Report Total | 11,558.51 | |

*** End of Report ***

IRWD Ledger Upgrade Payment Register For 01-AUG-17 To 31-AUG-17 Report Date: 01-SEP-2017 10:09

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

Bank Account Currency: USD (US Dollar)

Payment Type: All Display Supplier Address: No

| Payment Number Sequence Num | ı Date | Supplier Name | Site | Payment Amount | Cleared Date | Cleared Amount | Status |
|-----------------------------|------------------------|---|-------------|-------------------|-----------------|------------------|--------------|
| Payment Document : IRWD Ch | | | | | | | |
| 379171 | 03-AUG-17 | Akiyoshi, Eric S (Eric) | | 200,11 | 03-AUG-17 | 208,11 | Reconciled |
| 379172 | 03-70-17 | Hankla, Jeremy | | 455,00 | 11-AUG-17 | 455,00 | Reconciled |
| 379172 | | Johnson, Susanne | | 109,83 | 14-AUG-17 | 109,83 | Reconciled |
| 379173 | | Karpan, Casey L | | 60,00 | 10-AUG-17 | 60.00 | Reconciled |
| 379175 | | (Casey) Mossbarger, | | 103.09 | 03-AUG-17 | 103.09 | Reconciled |
| | | Anthony J (Tony) Nash, Joel | | 68.48 | 08-AUG-17 | 68,48 | Reconciled |
| 379176 | | Oldewage, Lars D | | 49.83 | 08-AUG-17 | 49.83 | Reconciled |
| 379177 | | (Lars) | | 138.96 | 03-AUG-17 | 138.96 | Reconciled |
| 379178 | | Robinson, Mitchell | | | 11-AUG-17 | 391.57 | Reconciled |
| 379179 | | Shih, Han-Tsuei (Josephine) | | 391.57 | | | |
| 379180 | 03-AUG-17 | | | 276,86 | 08-AUG-17 | 276,86 312,00 | Reconciled |
| 379181 | 03-AUG-17 | Spangenberg, Carl W (Carl) | | 312,00 | 04-AUG-17 | | Reconciled |
| 379182 | 03-AUG-17 | ABC ICEHOUSE, INC. | | 273.18 | 15-AUG-17 | 273.18 | Reconciled |
| 379183 | 03-AUG-17 | ADS LLC | | 1,936.50 | 07-AUG-17 | 1,936.50 | Reconciled |
| 379184 | 03-AUG-17 | AGILENT TECHNOLOGIES, INC. | | 37,106.64 | 10-AUG-17 | 37,106.64 | Reconciled |
| 379185 | 03-AUG-17 | ALLIANT INSURANCE SERVICES, INC | | 4,724.00 | 09-AUG-17 | 4,724.00 | Reconciled |
| 270196 | 03-NIG-17 | ALSTON & BIRD LLP | | 26,802.46 | 11-AUG-17 | 26,802.46 | Reconciled |
| 379186 379187 | | APEX LIFE | | 4,359.25 | 08-AUG-17 | 4,359.25 | Reconciled |
| 379188 | 03-AUG-17 | SCIENCES, LLC ARMORCAST PRODUCTS COMPANY | | 11,167.16 | 10-AUG-17 | 11,167.16 | Reconciled |
| 0.000.00 | 02 210 17 | | | 4,230.66 | 09-AUG-17 | 4,230.66 | Reconciled |
| 379189 | 03-AUG-17 03-AUG-17 | | | 51,92 | 09-AUG-17 | 51.92 | Reconciled |
| 379190 379191 | | AUTOZONE PARTS, | | 279.64 | 07-AUG-17 | 279.64 | Reconciled |
| 379192 | 03-AUG-17 | | | 16,952.52 | 11-AUG-17 | 16,952.52 | Reconciled |
| 252102 | 02 700 17 | BARKLAGE, MICHAEL | | 28.56 | 08-AUG-17 | 28.56 | Reconciled |
| 379193 | | BC WIRE ROPE & | | 157.83 | 08-AUG-17 | 157.83 | Reconciled |
| 379194 | | RIGGING | | 1,185.25 | 08-AUG-17 | 1,185.25 | Reconciled |
| 379195 | | BEHRENS AND ASSOCIATES, INC. | | | | | Reconciled |
| 379196 | 03-AUG-17 | BILL'S SWEEPING SERVICE INC | | 1,050.00 | 11-AUG-17 | 1,050.00 | |
| 379197 | 03-AUG-17 | BIOENERGY ASSOCIATION OF CALIFORNIA | | 1,100.00 | 10-AUG-17 | 1,100.00 | Reconciled |
| 379198 | 03-AUG-17 | BIOMAGIC INC | | 19,874.55 | | | Reconciled |
| IRWD Ledger Ungrade | | Pavment | Register Fo | or 01-AUG-17 To | 31-AUG-17 | Report Date: 01 | |
| BANK: Bank of America N.A. | Bran | ch : Los Angeles | _ | Account: Check | ing AP and PR | Page: | 2 |
| Bank Account Currency | : USD (US | Dollar) | | Payment Curr | ency: usb (| US Dollar) | |
| Payment Type: All | | | Disp | play Supplier Add | ress: No | | |
| | | | | | Cleared | | |
| Payment Number Sequence Nu | m Date | Supplier Name | Site | Payment Amount | Date | Cleared Amount | Status |
| Payment Document : IRWD C | | | | | | | |
| 379199 | 03-AUG-17 | BLACK & VEATCH | | 223,785.08 | 14-AUG-17 | 223,785.08 | Reconciled |
| 379200 | 03-AUG-17 | CORPORATION BRENNTAG PACIFIC | | 18,454.13 | 10-AUG-17 | 18,454.13 | Reconciled |
| 379201 | | INC BTC ACQUISITIONS | | 435.35 | 11-AUG-17 | 435.35 | Reconciled |
| 379202 | | PARTNERS, LLC C WELLS PIPELINE | | 13,313.59 | 14-AUG-17 | 13,313.59 | Reconciled |
| | | MATERIALS INC | | 6,222.50 | 14-AUG-17 | 6,222.50 | Reconciled |
| 379203 | 03-AUG-17 | CALIFORNIA | | 0,222.00 | TJ MOG-T | 0,222.30 | 110001101100 |

| Payment Number | Sequence Num Date | Supplier Name | Site | Payment Amount | Date | Cleared Amount | Status |
|----------------|-------------------|-----------------------------------|---------|----------------|-----------|----------------|------------|
| | | | ******* | | | | |
| Payment Docum | ent : IRWD CHECK | | | | | | |
| 379199 | 03-AUG-17 | BLACK & VEATCH | | 223,785.08 | 14~AUG-17 | 223,785.08 | Reconciled |
| 379200 | 03-AUG-17 | CORPORATION BRENNTAG PACIFIC INC | | 18,454.13 | 10-AUG-17 | 18,454.13 | Reconciled |
| 379201 | 03-AUG-17 | BTC ACQUISITIONS PARTNERS, LLC | | 435.35 | 11-AUG-17 | 435.35 | Reconciled |
| 379202 | 03-AUG-17 | C WELLS PIPELINE MATERIALS INC | | 13,313.59 | 14-AUG-17 | 13,313.59 | Reconciled |
| 379203 | 03-AUG-17 | CALIFORNIA BARRICADE RENTAL, INC. | | 6,222.50 | 14-AUG-17 | 6,222.50 | Reconciled |
| 379204 | 03-AUG-17 | CALIFORNIA PACIFIC | | 193.67 | | | Negotiable |
| 379205 | 03-AUG-17 | CANON SOLUTIONS AMERICA, INC. | | 677.25 | 07-AUG-17 | 677.25 | Reconciled |
| 379206 | 03-AUG-17 | CAPTIVE AUDIENCE | | 79.00 | 08-AUG-17 | 79.00 | Reconciled |
| 379207 | 03-AUG-17 | CDW GOVERNMENT LLC | | 522.72 | 09-AUG-17 | 522.72 | Reconciled |
| 379208 | 03-AUG-17 | CHEMGLASS LIFE SCIENCES, LLC | | 424.66 | 08-AUG-17 | 424.66 | Reconciled |
| 379209 | 03-AUG-17 | | | 7,027.00 | 07-AUG-17 | 7,027.00 | Reconciled |
| 379210 | 03-AUG-17 | | | 106,122.03 | 09-AUG-17 | 106,122.03 | Reconciled |
| 379211 | 03-AUG-17 | COASTLINE EQUIPMENT COMPANY | | 738,18 | 07-AUG-17 | 738.18 | Reconciled |
| 379212 | 03-AUG-17 | COOPER, GEORGETA | | 132.45 | 16-AUG-17 | 132.45 | Reconciled |
| 379213 | 03-AUG-17 | CORIX WATER PRODUCTS (US) INC. | | 11,049.78 | 11-AUG-17 | 11,049.78 | Reconciled |

| 1,000 | _ | | B Ob l- | 4 ND ND | De # | 2 |
|---------------------|-----------|--|--------------|-----------|------------------|-----------------|
| IRWD Ledger Upgrade | | Payment Register For | 01-AUG-17 To | 31-AUG-17 | Report Date: 01- | -SEP-2017 10:09 |
| 379224 | 03-AUG-17 | EHS INTERNATIONAL, INC | 1,800.00 | 09-AUG-17 | 1,800.00 | Reconciled |
| | | DISTRICT | | | 1 000 00 | |
| 379223 | 03-AUG-17 | DUDLEY RIDGE WATER | 13,828,47 | 18-AUG-17 | 13,828.47 | Reconciled |
| 379222 | 03-AUG-17 | DTSC | 1,717.50 | 17-AUG-17 | 1,717.50 | Reconciled |
| 379221 | 03-AUG-17 | DRAEGER, INC. | 2,051,94 | 08-AUG-17 | 2,051.94 | Reconciled |
| 379220 | 03-AUG-17 | DISCOUNT COURIER SERVICE | 155,80 | 00-A0G-1/ | 155.60 | Keconcited |
| 379219 | | | 155.80 | 08-AUG-17 | 155.80 | Reconciled |
| 270210 | 03-AUG-17 | ANA DENNIS E RISSER | 602.65 | 15-AUG-17 | 602.65 | Reconciled |
| 379218 | 03-AUG-17 | CONSTRUCTION COMPANY CULLIGAN OF SANTA | 2,005.70 | 07-AUG-17 | 2,005,70 | Reconciled |
| 379217 | 03-AUG-17 | CUESTA | 1,489,34 | | | Negotiable |
| 379216 | 03-AUG-17 | COMMUNICATIONS, INC. CRALL, CHARLES | 45.04 | 08-AUG-17 | 45,04 | Reconciled |
| 379215 | 03-AUG-17 | COX | 256.20 | 07-AUG-17 | 256.20 | Reconciled |
| 379214 | 03-AUG-17 | COUNTY OF ORANGE | 53,194.35 | 09-AUG-17 | 53,194.35 | Reconciled |
| | | | | | | |

09 Account: Checking AP and PR Pag Payment Currency: USD (US Dollar) Display Supplier Address: No Page: 3 BANK: Bank of America N.A. Branch : Los Angeles
Bank Account Currency: USD (US Dollar)
Payment Type: All

| yment Number Sequen | ce Num Date | Supplier Name Site | Payment Amount | Date | Cleared Amount | Stat |
|----------------------|-------------|--|------------------------------|-----------|--------------------------|------------|
| Payment Document : I | | | | | | |
| 79225 | 03-AUG-17 | EI&C ENGINEERING | 41,747,00 | 17-AUG-17 | 41,747.00 | Reconciled |
| 79226 | 03-AUG-17 | ENVIRONMENTAL EXPRESS INC | 2,076.40 | 08-AUG-17 | 2,076.49 | Reconcile |
| 79227 | 03-AUG-17 | ENVIRONMENTAL RESOURCE ASSOCIATES | 426.98 | 08-AUG-17 | 426.98 | Reconcile |
| 79228 | 03-AUG-17 | ENVIRONMENTAL SCIENCE ASSOCIATES | 16,426.53 | 14-AUG-17 | 16,426.53 | Reconcile |
| 79229 | 03-AUG-17 | EQUIPMENT DIRECT | 314.97 | 07-AUG-17 | 314.97 | Reconcile |
| 79230 | 03-AUG-17 | EXECUTIVE LIGHTING & ELECTRIC | 2,683.26 | 08-AUG-17 | 2,683.26 | Reconcile |
| 79231 | 03-AUG-17 | FEDEX | 890.19 | 07-AUG-17 | 890,19 | Reconcile |
| 79232 | 03-AUG-17 | FIRST CHOICE SERVICES | 1,105.41 | 08-AUG-17 | 1,105.41 | Reconcile |
| 79233 | 03-AUG-17 | FISHER SCIENTIFIC COMPANY LLC | 2,342.69 | 07-AUG-17 | 2,342.69 | Reconcile |
| 79234 | 03-AUG-17 | FISHER, TOM | 42,16 | | | Negotiabl |
| 79235 | | FORESTRY SUPPLIERS | 85.90 | 07-AUG-17 | 85.90 | Reconcile |
| 79236 | 03-AUG-17 | FRONTIER CALIFORNIA INC. | 270.10 | 10-AUG-17 | 270.10 | Reconcile |
| 79237 | 03-AUG-17 | FUJII, YUTA | 17.10 | 23-AUG-17 | 17,10 | Reconcile |
| 79238 | 03-AUG-17 | FULLER TRUCK ACCESSORIES | 632.46 | 07-AUG-17 | 632.46 | Reconcile |
| 79239 | 03-AUG-17 | FUSCOE ENGINEERING, INC. | 2,762.50 | 07-AUG-17 | 2,762.50 | Reconcile |
| 79240 | 03-AUG-17 | GENERAL ELECTRIC INTERNATIONAL INC | 14,270.00 | 16-AUG-17 | 14,270.00 | Reconcile |
| 79241 | 03-AUG-17 | GOLDMAN, SACHS & CO. LLC | 15,582.19 | 16-AUG-17 | 15,582.19 | Reconcile |
| 79242 | 03-AUG-17 | GRAINGER | 1,214.05 | 07-AUG-17 | 1,214.05 | Reconcile |
| 79243 | 03-AUG-17 | GRAYBAR ELECTRIC COMPANY | 2,377.63 | 07-AUG-17 | 2,377.63 | Reconcile |
| 79244 | 03-AUG-17 | HAAKER EQUIPMENT COMPANY | 1,288.13 | 07-AUG-17 | 1,288.13 | Reconcile |
| 79245 | 03-AUG-17 | HABITAT RESTORATION SCIENCES, INC. | 150.00 | 15-AUG-17 | 150.00 | Reconcile |
| 79246 | 03-AUG-17 | HACH COMPANY | 22,024.91 | 11-AUG-17 | 22,024.91 | Reconcile |
| 79247 | 03-AUG-17 | HARDY & HARPER, INC. | 40,000.00 | 10-AUG-17 | | Reconcile |
| 79248 | 03-AUG-17 | HARRINGTON INDUSTRIAL PLASTICS LLC | 758.57 ster For 01-AUG-17 To | 07-AUG-17 | 758.57 Report Date: 01- | Reconcile |

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

| Payment Number Payment Docum | Sequence Num Date | Supplier Name | Site | Payment Amount | Cleared Date | Cleared Amount | Status |
|------------------------------|-------------------|--------------------------------|------|----------------|-----------------|----------------|------------|
| 379249 | 03-AUG-17 | HARRY H. KOBZEFF | | 2,200.00 | 08-AUG-17 | 2,200.00 | Reconciled |
| 379250 | 03-AUG-17 | HATHAWAY DINWIDDIE | | 741.96 | 08-AUG-17 | 741.96 | Reconciled |
| 379251 | 03-AUG-17 | HDR ENGINEERING | | 31,694.48 | 11-AUG-17 | 31,694.48 | Reconciled |
| 379252 | 03-AUG-17 | HELPMATES STAFFING SERVICES | | 11,417.44 | 10-AUG-17 | 11,417.44 | Reconciled |
| 379253 | 03-AUG-17 | HERNANDEZ, MICHAEL J | | 295.73 | 11-AUG-17 | 295.73 | Reconciled |

| 379254 | 03-AUG-17 | HILL BROTHERS | 7,803.67 | 07-AUG-17 | 7,803.67 | Reconciled |
|--------|------------|------------------------------|--------------|-----------|-----------------|----------------|
| | | CHEMICAL COMPANY | | | | |
| 379255 | 03-AUG-17 | HIRIAN RAJU, | 18.02 | 08-AUG-17 | 18.02 | Reconciled |
| 379256 | 03-AUG-17 | PRASAN HOME DEPOT USA INC | 75.18 | 08-AUG-17 | 75.18 | Reconciled |
| | | HOPKINS TECHNICAL | 1,193,58 | 08-AUG-17 | 1,193,58 | Reconciled |
| 379257 | 03-AUG-17 | PRODUCTS INC | 1,195,50 | | | |
| 379258 | 03-AUG-17 | HORIZON TECHNOLOGY | 109,73 | 11-AUG-17 | 109,73 | Reconciled |
| 379259 | 03-AUG-17 | IBM CORPORATION | 42,265,73 | 11-AUG-17 | 42,265,73 | Reconciled |
| 379260 | | IRVINE PIPE & | 2,856,70 | 07-AUG-17 | 2,856,70 | Reconciled |
| 373200 | 00 1100 17 | SUPPLY INC | ., | | | |
| 379261 | 03-AUG-17 | IRWD-PETTY CASH | 1,450,69 | 04-AUG-17 | 1,450.69 | Reconciled |
| | | CUSTODIAN | | | | |
| 379262 | 03-AUG-17 | JCI JONES | 5,360.25 | 09-AUG-17 | 5,360.25 | Reconciled |
| 0,5202 | | CHEMICALS INC | | | | |
| 379263 | 03-AUG-17 | JIG CONSULTANTS | 1,560.00 | 08-AUG-17 | 1,560.00 | Reconciled |
| 379264 | 03-AUG-17 | KAESER | 354.00 | 07-AUG-17 | 354.00 | Reconciled |
| 373204 | 00 1100 21 | COMPRESSORS, INC. | | | | |
| 379265 | 03-AUG-17 | KIMBALL MIDWEST | 1,043.11 | 07-AUG-17 | 1,043.11 | Reconciled |
| 379266 | 03-AUG-17 | | 1,676.13 | 09-AUG-17 | 1,676.13 | Reconciled |
| 379267 | | L & S CONSTRUCTION | 41,050.00 | 11-AUG-17 | 41,050.00 | Reconciled |
| 373207 | 03 1100 11 | INC | | | , | |
| 379268 | 03-AUG-17 | | 12,061.45 | 17-AUG-17 | 12,061.45 | Reconciled |
| 373200 | 00 1100 21 | COUNTY WATER | | | | |
| | | DISTRICT | | | | |
| 379269 | 03-AUG-17 | | 7.01 | 28-AUG-17 | 7.01 | Reconciled |
| 379270 | 03-AUG-17 | LENNAR HOMES | 77.16 | 09-AUG-17 | 77.16 | Reconciled |
| 379271 | 03-AUG-17 | | 700,00 | 14-AUG-17 | 700.00 | Reconciled |
| 3/92/1 | 03 1100 11 | BISGAARD AND | | | | |
| | | SMITH, LLP | | | | |
| 379272 | 03-AUG-17 | | 1,330,97 | 07-AUG-17 | 1,330.97 | Reconciled |
| 313212 | 03 100 11 | SUPPLY CO | -, | | , | |
| 379273 | 03-AUG-17 | | 448.37 | 09-AUG-17 | 448.37 | Reconciled |
| 313213 | 03 A00 17 | INC | | | | |
| 379274 | 03-AUG-17 | | 629.54 | 10-AUG-17 | 629.54 | Reconciled |
| 373674 | 03 200 17 | CONTRACTORS | | | | |
| | | CONTINUE TOND | 01 NUC 17 Do | 21 NUC 12 | Bonort Datos 01 | CED-2017 10:00 |

CONTRACTORS

Payment Register For 01-AUG-17 To 31-AUG-17 TO 31-AUG-17

| Payment Number Sequence N | um Date | Supplier Name | Site | Payment Amount | Cleared Date | Cleared Amount | Status |
|---------------------------|---------------|---------------------------------------|-------------|-----------------|-----------------|----------------|------------|
| Payment Document : IRWD | | | | | | | |
| 379275 | 03-AUG-17 | MOBILE MODULAR | | 1,018.24 | 07-AUG-17 | 1,018.24 | Reconciled |
| 013270 | | MANAGEMENT CORPORATION | | | | | |
| 379276 | 03-AUG-17 | MR CRANE INC | | 1,365.00 | 07-AUG-17 | 1,365.00 | Reconciled |
| 379277 | | MUNICIPAL WATER DISTRICT OF ORANGE | | 127,926.00 | 10-AUG-17 | 127,926.00 | Reconciled |
| | | COUNTY | | 1 075 00 | 11 700 17 | 1 075 00 | D11d |
| 379278 | | NAKAE & ASSOCIATES | | 1,975.00 | 11-AUG-17 | 1,975.00 | Reconciled |
| 379279 | 03-AUG-17 | NATIONAL METER & AUTOMATION, INC. | | 109,387.80 | 14-AUG-17 | 109,387.80 | Reconciled |
| 379280 | 03-AUG-17 | NEWPORT WINDOW MAINTENANCE INC | | 912.00 | 08-AUG-17 | 912.00 | Reconciled |
| 379281 | 03-AUG-17 | NINYO & MOORE | | 16,553.00 | 10-AUG-17 | 16,553.00 | Reconciled |
| 379282 | 03-AUG-17 | O'HAREN GOVERNMENT RELATIONS | | 6,500.00 | 14-AUG-17 | 6,500.00 | Reconciled |
| 379283 | 03-AUG-17 | OLIN CORPORATION | | 19,814.16 | 14-AUG-17 | 19,814.16 | Reconciled |
| 379284 | | ONESOURCE DISTRIBUTORS LLC | | 92.89 | 07-AUG-17 | 92.89 | Reconciled |
| 379285 | 03-AUG-17 | ORANGE COUNTY AUTO PARTS CO | | 132.71 | 07-AUG-17 | 132.71 | Reconciled |
| 379286 | 03-AUG-17 | | | 1,592.56 | 09-AUG-17 | 1,592.56 | Reconciled |
| 379287 | 03-AUG-17 | | | 8,027.73 | 14-AUG-17 | 8,027.73 | Reconciled |
| 379288 | 03-AUG-17 | | | 1,629.63 | 08-AUG-17 | 1,629.63 | Reconciled |
| 379289 | 03-AUG-17 | · · | | 16.68 | 08-AUG-17 | 16.68 | Reconciled |
| 379290 | 03-AUG-17 | | | 1,429.98 | 08-AUG-17 | 1,429.98 | Reconciled |
| 379291 | 03-AUG-17 | | | 750.00 | 08-AUG-17 | 750.00 | Reconciled |
| 379292 | 03-AUG-17 | | | 3,536,25 | 09-AUG-17 | 3,536.25 | Reconciled |
| 379293 | 03-AUG-17 | | | 1,089.08 | 08-AUG-17 | 1,089.08 | Reconciled |
| 379294 | 03-AUG-17 | | | 5,635.00 | 08-AUG-17 | 5,635.00 | Reconciled |
| 379294 | 03-AUG-17 | | | 116,915.75 | 10-AUG-17 | 116,915.75 | Reconciled |
| | | RAFI, SAEED | | 1,028.59 | 08-AUG-17 | 1,028.59 | Reconciled |
| 379296 | 03-AUG-17 | | | 6,323.32 | 07-AUG-17 | 6,323.32 | Reconciled |
| 379297 | | | | 15,575.68 | 10-AUG-17 | 15,575.68 | Reconciled |
| 379298 | 03-AUG-17 | ENGINEERING INC | | , | | | |
| 379299 | | RAMIREZ, JULIA | | 2.18 | 16-AUG-17 | 2,18 | Reconciled |
| 379300 | 03-AUG-17 | STORE | | 150.30 | 08-AUG-17 | 150.30 | Reconciled |
| IRWD Ledger Upgrade | | Payment | Register Fo | or 01-AUG-17 To | | | |
| BANK: Bank of America N.A | . Branc | ch : Los Angeles | | Account: Check | | | 6 |
| Bank Account Currence | y: USD (US I | Oollar) | | Payment Curr | ency: USD (| US Dollar) | |

Payment Type: All

Display Supplier Address: No

| Payment Number | Sequence Num Date | Supplier Name | Site Payment Amount | | Cleared Amount | Status |
|--|---|--|---|--|--|--|
| | ent : IRWD CHECK | | | | | |
| 379301 | 03-AUG-17 | RESILIENT COMMUNICATIONS INC. | 463,820.79 | | | Negotiable |
| 379302 | 03-AUG-17 | RINCON TRUCK | 3,311,40 | 07-AUG-17 | 3,311.40 | Reconciled |
| 379303 | 03-AUG-17 | CENTER INC. ROYAL WHOLESALE | 3,533.27 | 07-AUG-17 | 3,533.27 | Reconciled |
| 379304 | 03-AUG-17 | ELECTRIC S & J SUPPLY CO | 5,415.47 | 07-AUG-17 | 5,415.47 | Reconciled |
| 379305 | 03-AUG-17 | INC SAFETY-KLEEN | 232.00 | 08-AUG-17 | 232,00 | Reconciled |
| 379306 | 03-AUG-17 | SYSTEMS, INC SANTA ANA BLUE | 346.46 | 09-AUG-17 | 346.46 | Reconciled |
| 379307 | 03-AUG-17 | PRINT SANTA MARGARITA | 3,866.30 | 08-AUG-17 | 3,866.30 | Reconciled |
| 379308 | 03-AUG-17 | FORD SCHINDLER ELEVATOR | 202.95 | 08-AUG-17 | 202.95 | Reconciled |
| 379309 | 03-AUG-17 | CORPORATION SCOTT HEALTH & | 2,128,07 | 09-AUG-17 | 2,128.07 | Reconciled |
| 379310 | | SAFETY SHAMROCK SUPPLY CO | 194.73 | 08-AUG-17 | 194.73 | Reconciled |
| | | INC SIGMA-ALDRICH INC | 167.99 | 07-AUG-17 | 167.99 | Reconciled |
| 379311 379312 | 03-AUG-17 | SITMATIC | 657,75 | 07-AUG-17 | 657.75 | Reconciled |
| 379313 | 03-AUG-17 | SOUTH BAY FOUNDRY, INC | 1,718.62 | 08-AUG-17 | 1,718.62 | Reconciled |
| 379314 | 03-AUG-17 | SOUTHERN CALIFORNIA EDISON COMPANY | 392,084.52 | 08-AUG-17 | 392,084.52 | Reconciled |
| 379315 | 03-AUG-17 | SOUTHERN CALIFORNIA EDISON COMPANY | 12,963.56 | 08-AUG-17 | 12,963.56 | Reconciled |
| 379316 | 03-AUG-17 | SOUTHERN CALIFORNIA WATER COMMITTEE INC | 25,000.00 | 14-AUG+17 | 25,000.00 | Reconciled |
| 379317 | | SPARKLETTS | 459.24 | 10-AUG-17 | 459.24 | Reconciled |
| 379318 379319 | | ST. MICHAELS ABBEY STETSON ENGINEERS | 2,144.04 10,339.78 | 08-AUG-17 10-AUG-17 | 2,144.04 10,339.78 | Reconciled Reconciled |
| 379320 | 03-AUG-17 | INC. STEVEN ENTERPRISES | 235.00 | 07-AUG-17 | 235.00 | Reconciled |
| 379321 | 03-AUG-17 | INC SUNSTATE EQUIPMENT | 3,098.21 | 07-AUG-17 | 3,098.21 | Reconciled |
| 379322 379323 | | TAYLOR MORRISON TESTAMERICA | 785.81 622.65 | 30-AUG-17 08-AUG-17 | 785.81 622.65 | Reconciled Reconciled |
| | | ch : Los Angeles | Register For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add | cing AP and P cency: USD (| | -SEP-2017 10:09 7 |
| | | | | Cleared | | |
| Payment Number | | | | | | |
| Payment Docume | Sequence Num Date | Supplier Name | Site Payment Amount | Date | Cleared Amount | Status |
| | Sequence Num Date | | | Date | | |
| 379324 | ent : IRWD CHECK | THERMO ELECTRON | | Date | | |
| 379324 379325 | ent : IRWD CHECK 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSSENKRUPP ELEVATOR | 3,329.00 | Date | ******** | Reconciled |
| | ent : IRWD CHECK 03-AUG-17 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSSENKRUPP ELEVATOR CORPORATION TOLL BROS., INC. TROPICAL PLAZA | 3,329.00 | 08-AUG-17 07-AUG-17 23-AUG-17 | 3,329.00 | Reconciled |
| 379325 379326 379327 379328 | 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSSENKRUPP ELEVATOR CORPORATION TOLL BROS., INC, TROPICAL PLAZA NURSERY INC TRUCPARCO | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 | 08-AUG-17 07-AUG-17 23-AUG-17 07-AUG-17 10-AUG-17 | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 | Reconciled Reconciled Reconciled Reconciled |
| 379325 379326 379327 | 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSSENKRUPP ELEVATOR CORPORATION TOLL BROS., INC, TROPICAL PLAZA NURSERY INC TRUCPARCO TUCKER, SHEILA TUSTIN CHAMBER OF COMMERCE | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 | 08-AUG-17 07-AUG-17 07-AUG-17 07-AUG-17 10-AUG-17 09-AUG-17 21-AUG-17 | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 | Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379325 379326 379327 379328 379329 379330 379331 | 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSENKRUPP ELEVATOR CORPORATION TOLL BROS., INC. TROPICAL PLAZA NURSERY INC TRUCPARCO TUCKER, SHEILA TUSTIN CHAMBER OF COMMERCE ULINE INC | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 | 08-AUG-17 07-AUG-17 23-AUG-17 07-AUG-17 10-AUG-17 21-AUG-17 10-AUG-17 | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 84.47 | Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379325 379326 379327 379328 379329 379330 | 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSSENKRUPP ELEVATOR CORPORATION TOLL BROS., INC, TROCPACAL PLAZA NURSERY INC TRUCPARCO TUCKER, SHEILA TUSTIN CHAMBER OF COMMERCE ULINE INC ULTRA SCIENTIFIC UNITED PARCEL | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 | 08-AUG-17 07-AUG-17 23-AUG-17 07-AUG-17 10-AUG-17 09-AUG-17 21-AUG-17 | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 | Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379325 379326 379327 379328 379329 379330 379331 379332 | 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSSENKRUPP ELEVATOR CORPORATION TOLL BROS., INC. TROCPICAL PLAZA NURSERY INC TRUCPARCO TUCKER, SHEILA TUSTIN CHAMBER OF COMMERCE ULINE INC ULTRA SCIENTIFIC UNITED PARCEL SERVICE INC UNITED SITE SERVICES OF | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 84.47 1,493.13 | 08-AUG-17 07-AUG-17 23-AUG-17 07-AUG-17 10-AUG-17 21-AUG-17 10-AUG-17 09-AUG-17 | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 84.47 1,493.13 | Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379325 379326 379327 379328 379329 379330 379331 379332 379333 379334 | 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSENKRUPP ELEVATOR CORPORATION TOLL BROS., INC. TROPICAL PLAZA NURSERY INC TRUCPARCO TUCKER, SHEILA TUSTIN CHAMBER OF COMMERCE ULINE INC ULTRA SCIENTIFIC UNITED PARCEL SERVICES INC UNITED SITE SERVICES OF CALIFORNIA INC USA BLUEBOOK | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 64.47 1,493.13 39.28 152.29 | 08-AUG-17 07-AUG-17 07-AUG-17 10-AUG-17 10-AUG-17 21-AUG-17 10-AUG-17 09-AUG-17 09-AUG-17 08-AUG-17 | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 84.47 1,493.13 39.28 152.29 | Reconciled |
| 379325 379326 379327 379328 379329 379330 379331 379332 379333 379334 | 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSENKRUPP ELEVATOR CORPORATION TOLL BROS., INC. TROPICAL PLAZA NURSERY INC TRUCPARCO TUCKER, SHEILA TUSTIN CHAMBER OF COMMERCE ULINE INC ULITRA SCIENTIFIC UNITED PARCEL SERVICE INC UNITED SITE SERVICES OF CALIFORNIA INC | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 64.47 1,493.13 39.28 152.29 1,121.18 5,227.77 | 08-AUG-17 07-AUG-17 07-AUG-17 10-AUG-17 10-AUG-17 21-AUG-17 10-AUG-17 09-AUG-17 07-AUG-17 08-AUG-17 | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 84.47 1,493.13 39.28 152.29 1,121.18 5,227.77 | Reconciled |
| 379325 379326 379327 379328 379329 379330 379331 379332 379333 379334 | 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSENKRUPP ELEVATOR CORPORATION TOLL BROS., INC. TROPICAL PLAZA NURSERY INC TRUCPARCO TUCKER, SHEILA TUSTIN CHAMBER OF COMMERCE ULINE INC ULITRA SCIENTIFIC UNITED PARCEL SERVICE INC UNITED SITE SERVICES OF CALIFORNIA INC USA BLUEBOOK VAUGHAN'S INDUSTRIAL REPAIR | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 64.47 1,493.13 39.28 152.29 | 08-AUG-17 07-AUG-17 07-AUG-17 10-AUG-17 10-AUG-17 21-AUG-17 10-AUG-17 09-AUG-17 09-AUG-17 08-AUG-17 | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 64.47 1,493.13 39.28 152.29 1,121.18 5,227.77 2,332.46 | Reconciled |
| 379325 379326 379327 379328 379329 379330 379331 379332 379333 379334 379335 379336 | 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSSENKRUPP ELEVATOR CORPORATION TOLL BROS., INC. TROCPICAL PLAZA NURSERY INC TRUCPARCO TUCKER, SHEILA TUSTIN CHAMBER OF COMMERCE ULINE INC ULTRA SCIENTIFIC UNITED PARCEL SERVICE INC UNITED SITE SERVICES OF CALIFORNIA INC USA BLUEBOOK VAUGHAN'S INDUSTRIAL REPAIR CO INC VERIZON WIRELESS SERVICES LLC VRIDE INC VRIDE INC VRIDE INC | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 64.47 1,493.13 39.28 152.29 1,121.18 5,227.77 | 08-AUG-17 07-AUG-17 07-AUG-17 10-AUG-17 10-AUG-17 21-AUG-17 09-AUG-17 07-AUG-17 07-AUG-17 08-AUG-17 08-AUG-17 | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 84.47 1,493.13 39.28 152.29 1,121.18 5,227.77 | Reconciled |
| 379325 379326 379327 379328 379329 379330 379331 379332 379333 379334 379335 379336 379337 379338 | 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 03-AUG-17 | THERMO ELECTRON NORTH AMERICA LLC THYSENKRUPP ELEVATOR CORPORATION TOLL BROS., INC. TROPICAL PLAZA NURSERY INC TRUCPARCO TUCKER, SHEILA TUSTIN CHAMBER OF COMMERCE ULINE INC ULTRA SCIENTIFIC UNITED PARCEL SERVICE INC UNITED SITE SERVICE INC UNITED SITE SERVICES OF CALIFORNIA INC USA BLUEBOOK VAUGHAN'S INDUSTRIAL REPAIR CO INC VERIZON WIRELESS SERVICES LLC VRIDE INC | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 64.47 1,493.13 39.28 152.29 1,121.18 5,227.77 2,332.46 11,070.00 | 08-AUG-17 07-AUG-17 07-AUG-17 10-AUG-17 10-AUG-17 21-AUG-17 10-AUG-17 09-AUG-17 09-AUG-17 08-AUG-17 08-AUG-17 08-AUG-17 | 3,329.00 185.84 418,687.76 8,526.00 2,758.78 273.39 889.00 84.47 1,493.13 39.28 152.29 1,121.18 5,227.77 2,332.46 11,070.00 | Reconciled |

| 379342 | | 03-AUG-17 | JR. WASTE MANAGEMENT | | 2,276.47 | 07-AUG-17 | 2,276.47 | Reconciled |
|----------------------------|--|------------------------|--|-----------------|---|-----------------------------|---|--|
| 379343 | | 03-AUG-17 | OF ORANGE COUNTY WATER RESEARCH | | 25,000.00 | 14-AUG-17 | 25,000.00 | Reconciled |
| 379344 | | 03-AUG-17 | FOUNDATION WATERLINE | | 5,680,00 | 07-AUG-17 | 5,680,00 | Reconciled |
| 379345 | | 03-AUG-17 | | | 359,99 | 09-AUG-17 | 359,99 | Reconciled |
| 379346 | | 03-AUG-17 | ENTERPRISES, INC WECK LABORATORIES | | 2,720.00 | 14-AUG-17 | 2,720.00 | Reconciled |
| 379347 379348 379349 | | | INC WENG, SHU-HANG YAO, JIAWEI YORKE ENGINEERING | | 12.73 98.11 848.50 | 10-AUG-17 | 848.50 | Negotiable Negotiable Reconciled |
| IRWN Ledger Ung | rrade | | LLC Payment | Register | For 01-AUG-17 To | 31-AUG-17 | Report Date: 01 | -SEP-2017 10:09 |
| BANK: Bank of Bank Acco | America N.A. | Branc USD (US D | h : Los Angeles | | Account: Check | ing AP and P | R Page: US Dollar) | 8 |
| Payment Number | Sequence Num | Date | Supplier Name | Site | Payment Amount | Cleared Date | Cleared Amount | Status |
| | ment : IRWD CHE | | | | | | | |
| 379350 | | 03-AUG-17 | ZEE MEDICAL | | 366.17 | 07-AUG-17 | 366.17 | Reconciled |
| 379351 379352 | | | SERVICE CO CLEARINGHOUSE ORANGE COUNTY | PHOENIX 4601 | 477.67 62.50 | 10-AUG-17 14-AUG-17 | 477.67 62.50 | Reconciled Reconciled |
| 379353 | | | SHERIFF'S OFFICE IRWD EMPLOYEE | | | 11-AUG-17 | 1,325.00 | Reconciled |
| 379354 | | | ASSOCIATION PERS LONG TERM | PASADENA | | 11-AUG-17 | 878.66 | Reconciled |
| 379355 | | 08-AUG-17 | CARE JCI JONES | TAMPA | 2,978.22 | 14-AUG-17 | 2,978.22 | Reconciled |
| 379356 | | 10-AUG-17 | CHEMICALS INC Bonkowski, Thomas | | 64.96 | 21-AUG-17 | 64.96 | Reconciled |
| 379357 | | 10-AUG-17 | J (Thomas) Compton, Christin | e | 45.47 | | | Negotiable |
| 379358 | | | A De Leon, Sharon | | 118.25 130,00 | 14-AUG-17 | 118.25 | Reconciled Negotiable |
| 379359 379360 | | 10-AUG-17 | Lai, Andre Navarro, Hector R | | 127.07 205.00 | 15-AUG-17 18-AUG-17 | 127.07 205.00 | Reconciled Reconciled |
| 379361 379362 | | | Pfister, Ken D (Ken) Schreiner, | | 280.00 | 16-AUG-17 | 280.00 | Reconciled |
| 379302 | | 10-400-17 | Terrance M Jr (Terrance) | | | | | |
| 379363 | | 10-AUG-17 | Solis, Henry (Henry) | | 180.00 | 16-AUG-17 | 180.00 | Reconciled |
| 379364 | | 10-AUG-17 | Tran, Jason M (Jason) | | 80,00 | 23-AUG-17 | 80.00 | Reconciled |
| 379365 | | 10-AUG-17 | A.J. KLEIN, INC. T. DENATALE, B. GOLDNER | | 213.00 | 14-AUG-17 | 213.00 | Reconciled |
| 379366 379367 | | 10-AUG-17 10-AUG-17 | ADS LLC | | 4,700.00 2,160.00 | 17-AUG-17 15-AUG-17 | 2,160.00 | Reconciled |
| 379368 | | 10-AUG-17 | ALEXANDER'S CONTRACT SERVICES | , | 114,939.49 | 16-AUG-17 | 114,939.49 | Reconciled |
| 379369 | | 10-AUG-17 | INC. ALL AMERICAN SEWE | R | 357.55 | 16-AUG-17 | 357.55 | Reconciled |
| 379370 | | 10-AUG-17 | TOOLS ALLIANT INSURANCE SERVICES, INC | | 2,250.00 | 14-AUG-17 | 2,250.00 | Reconciled |
| 379371 | | 10-AUG-17 | ALPHA TRAFFIC SERVICES, INC. | | 1,040.00 | 14-AUG-17 | 1,040.00 | Reconciled |
| 379372 | | 10-AUG-17 | APEX LIFE SCIENCES, LLC | | 4,273.07 | 15-AUG-17 | 4,273.07 | Reconciled |
| 379373 | | 10-AUG-17 | APPLIED INDUSTRIA TECHNOLOGIES - CA | | 72.28 | 14-AUG-17 | 72.28 | Reconciled |
| Bank Acc | grade America N.A. ount Currency: t Type: All | | ch : Los Angeles | | For 01-AUG-17 To Account: Check Payment Curr isplay Supplier Add | ing AP and P ency: USD (| Report Date: 01 R Page: US Dollar) | -SEP-2017 10:09 |
| Payment Number | Sequence Num | Date | Supplier Name | Site | Payment Amount | Cleared Date | Cleared Amount | Status |
| | ment : IRWD CH | | | | | | | |
| 379374 | | 10-AUG-17 | | | 35,764.38 | 17-AUG-17 | 35,764.38 | Reconciled |
| 379375 | | 10-AUG-17 | CORPORATION ARCHROCK SERVICES | , | 10,567.95 | 18-AUG-17 | 10,567.95 | Reconciled |
| 379376 | | 10-AUG-17 | L.P. ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA | | 33,709.93 | 18-AUG-17 | 33,709.93 | Reconciled |
| 379377 379378 | | 10-AUG-17 10-AUG-17 | AT&T AUTOZONE PARTS, | | 591.78 203.26 | 16-AUG-17 15-AUG-17 | 591.78 203.26 | Reconciled Reconciled |
| 379379 | | 10-AUG-17 | INC. BATTERIES PLUS AN | D | 5,836.29 | 14-AUG-17 | 5,836.29 | Reconciled |
| | | | BATTERIES PLUS | | | | | |

| | | BULBS | | | | |
|--------|------------|-------------------------------------|-----------|------------|------------|----------------|
| 379380 | 10-AUG-17 | BECKMAN COULTER | 1,974.60 | 16-AUG-17 | 1,974.60 | Reconciled |
| 375360 | 10 1100 17 | INC | , | | | |
| 379381 | 10-AUG-17 | BEHRENS AND | 8,880.50 | 14-AUG-17 | 8,880.50 | Reconciled |
| | | ASSOCIATES, INC. | | | | |
| 379382 | 10-AUG-17 | BELTRAN, BEATRICE | 768.29 | 21-AUG-17 | 768,29 | Reconciled |
| 379383 | 10-AUG-17 | BEST DRILLING AND | 42,697.75 | 16-AUG-17 | 42,697.75 | Reconciled |
| | | PUMP, INC. | | | 200 21 | D 1 3 1 |
| 379384 | 10-AUG-17 | BIOMERIEUX INC | 808,31 | 14-AUG-17 | 808,31 | Reconciled |
| 379385 | 10-AUG-17 | BRENNTAG PACIFIC | 3,680,00 | 14-AUG-17 | 3,680,00 | Reconciled |
| 379386 | 10-AUG-17 | BRUCE NEWELL | 2,500.00 | 15-AUG-17 | 2,500.00 | Reconciled |
| 379387 | 10-AUG-17 | C WELLS PIPELINE | 13,218,77 | 23-AUG-17 | 13,218.77 | Reconciled |
| | | MATERIALS INC | | | | |
| 379388 | 10-AUG-17 | CALIFORNIA | 6,650.00 | 14-AUG-17 | 6,650.00 | Reconciled |
| | | BARRICADE RENTAL, | | | | |
| | | INC. | 4 040 40 | 15 277 17 | 1,312.40 | Reconciled |
| 379389 | 10-AUG-17 | CANON FINANCIAL | 1,312.40 | 15-AUG-17 | 1,312.40 | Reconciled |
| | | SERVICES, INC | 241,81 | 15-AUG-17 | 241.81 | Reconciled |
| 379390 | 10-AUG-17 | | 241.01 | 15-A0G-17 | 241.01 | Reconciled |
| | 10-AUG-17 | AMERICA, INC. CDW GOVERNMENT LLC | 993,32 | 16-AUG-17 | 993.32 | Reconciled |
| 379391 | 10-AUG-17 | CHARLES P CROWLEY | 2,226.63 | 17-AUG-17 | 2,226.63 | Reconciled |
| 379392 | 10-A0G-17 | COMPANY INC | 2,220.03 | 1, 1100 1, | 5,55111 | |
| 379393 | 10-AUG-17 | | 355,89 | 14-AUG-17 | 355.89 | Reconciled |
| 379394 | | CITY OF SANTA ANA | 202.85 | 14-AUG-17 | 202.85 | Reconciled |
| 379395 | | CIVILSOURCE, INC. | 21,520.00 | 21-AUG-17 | 21,520.00 | Reconciled |
| 379396 | 10-AUG-17 | COMMERCIAL DOOR OF | 6,728.00 | 16-AUG-17 | 6,728.00 | Reconciled |
| 3,3330 | | ORANGE COUNTY, | | | | |
| | | INC. | | | | |
| 379397 | 10-AUG-17 | COTTONS POINT | 1,392,17 | 18-AUG-17 | 1,392.17 | Reconciled |
| | | DESIGN, INC | | | | |
| 379398 | 10-AUG-17 | | 395.29 | 17-AUG-17 | 395.29 | Reconciled |
| | | INCORPORATED | | 24 240 47 | D 1 D 1 01 | den 2017 10.00 |
| | | | | | | |

IRWD Ledger Upgrade Payment Register For 01-AUG-17 To 31-AUG-17 TO 31-

| syment Number Sequence Num | n Date | Supplier Name Si | te Payment Amount | Date | Cleared Amount | Stat |
|----------------------------|------------|--|------------------------|-------------|-----------------|-------------|
| Payment Document : IRWD C | | | | | | |
| 379399 | 10-AUG-17 | CULLIGAN OF SANTA | 3,008.55 | 14-AUG-17 | 3,008.55 | Reconciled |
| 379400 | 10-AUG-17 | | 5,470.30 | 16-AUG-17 | 5,470.30 | Reconciled |
| 379401 | 10-AUG-17 | DMS FACILITY | 18,251.93 | 16-AUG-17 | 18,251,93 | Reconciled |
| 373401 | 10 1100 11 | SERVICES, INC. | | | | |
| 379402 | 10-AUG-17 | EAGLE PRINT DYNAMICS | 3,424.51 | 14-AUG-17 | 3,424.51 | Reconciled |
| 379403 | 10-AUG-17 | | 1,800.00 | 16-AUG-17 | 1,800.00 | Reconciled |
| 379404 | 10-AUG-17 | ENTERPRISE INFORMATION SYSTEMS, INC. | 2,500.00 | 18-AUG-17 | 2,500.00 | Reconciled |
| 379405 | 10-AUG-17 | ENVIRONMENTAL RESOURCE | 158.79 | 16-AUG-17 | 158,79 | Reconciled |
| 379406 | 10-AUG-17 | ASSOCIATES EXECUTIVE LIGHTING & ELECTRIC | 738.57 | 15-AUG-17 | 738,57 | Reconcile |
| 379407 | 10-AUG-17 | FARRELL & ASSOCIATES | 3,126.13 | 14-AUG-17 | 3,126.13 | Reconcile |
| 379408 | 10-AUG+17 | | 226.79 | 17-AUG-17 | 226.79 | Reconcile |
| 79408 | 10-AUG-17 | FIDELITY SECURITY | 6,647.54 | 21-AUG-17 | 6,647.54 | Reconcile |
| 19409 | 10-808-17 | LIFE INSURANCE COMPANY | 0,011,01 | | ., | |
| 379410 | 10-AUG-17 | FISHER SCIENTIFIC COMPANY LLC | 1,439.03 | 14-AUG-17 | 1,439.03 | Reconcile |
| 379411 | 10-AUG-17 | GENERAL PUMP COMPANY INC | 1,480.01 | 14-AUG-17 | 1,480.01 | Reconcile |
| 379412 | 10-AUG-17 | GENTERRA CONSULTANTS INC | 4,217.50 | 15-AUG-17 | 4,217.50 | Reconcile |
| 379413 | 10-AUG-17 | GRAINGER | 10,276.70 | 17-AUG-17 | 10,276.70 | Reconcile |
| 79414 | 10-AUG-17 | HDPE SUPPLY | 2,994.71 | 14-AUG-17 | 2,994.71 | Reconcile |
| 79415 | 10-AUG-17 | HDR ENGINEERING | 29,474.60 | 17-AUG-17 | 29,474.60 | Reconcile |
| 379416 | 10-AUG-17 | HELPMATES STAFFING SERVICES | 11,836.76 | 15-AUG-17 | 11,836.76 | Reconcile |
| 179417 | 10-AUG-17 | HOME DEPOT USA INC | 99.00 | 16-AUG-17 | 99.00 | Reconcile |
| 79418 | 10-AUG-17 | HORIZON TECHNOLOGY | 34,845.21 | 18-AUG-17 | 34,845.21 | Reconcile |
| 379419 | 10-AUG-17 | IBM CORPORATION | 4,075.00 | 15-AUG-17 | 4,075.00 | Reconcile |
| 79420 | | INNOVYZE, INC. | 15,000.00 | 16-AUG-17 | 15,000.00 | Reconcile |
| 379421 | | IRVINE PIPE & SUPPLY INC | 2,084.17 | 14-AUG-17 | 2,084.17 | Reconcile |
| 379422 | 10-AUG-17 | IRWD-PETTY CASH CUSTODIAN | 729.34 | 14-AUG-17 | 729.34 | Reconcile |
| 379423 | 10-AUG-17 | JIG CONSULTANTS | 3,745.00 | 15-AUG-17 | 3,745.00 | Reconcile |
| 179424 | | JOHN MICHAEL COVAS | 191,70 | 21-AUG-17 | 191.70 | Reconcile |
| NWD Ledger Upgrade | + / | Payment Red | ister For 01-AUG-17 To | 31-AUG-17 | Report Date: 01 | -SEP-2017 1 |
| NANK: Bank of America N.A. | Branc | ch : Los Angeles | Account: Check | | | 11 |
| Bank Account Currency | | | | ency: USD (| | |
| Payment Type: All | | | Display Supplier Add | iress: No | | |

| | | Supplier Name | Site Payment Amount | | Cleared Amount | Sta |
|--|---|--|---|--|--|--|
| | nt : IRWD CHECK | | | | | |
| 379425 | 10-AUG-17 | KIM, SOON TAE | 1,000,00 | 18-AUG-17 | 1,000.00 | Reconcile |
| 379426 | | KIMBALL MIDWEST | 193,40 | 15-AUG-17 | 193.40 | Reconcile Negotiable |
| 379427 379428 | 10-AUG-17 10-AUG-17 | LABELLE-MARVIN INC LANDCARE HOLDINGS, | 3,692,50 68,379,00 | 21-AUG-17 | 68,379,00 | Reconcile |
| 773420 | | INC. | | 45 200 45 | 001 00 | D (3) |
| 379429 | | LOS ANGELES TIMES MARINA LANDSCAPE | 221,98 994.80 | 15-AUG-17 14-AUG-17 | 221.98 994.80 | Reconcile Reconcile |
| 379430 | 10-A0G-17 | MAINTENANCE, INC. | 334,00 | 11 1100 11 | 333100 | |
| 379431 | 10-AUG-17 | MC FADDEN-DALE | 167.98 | 15-AUG-17 | 167.98 | Reconcile |
| 379432 | 10-NUC-17 | INDUSTRIAL MC MASTER CARR | 1,011.16 | 14-AUG-17 | 1,011.16 | Reconcile |
| 79432 | 10 A00 17 | SUPPLY CO | · | | | |
| 379433 | 10-AUG-17 | MCR TECHNOLOGIES | 37,548.72 | 16-AUG-17 | 37,548.72 | Reconcile |
| 379434 | 10-AUG-17 | INC MICHAEL BAKER INTERNATIONAL, | 328,00 | 14-AUG-17 | 328.00 | Reconcile |
| 379435 | 10-AUG-17 | INC. MOODY'S INVESTORS | 5,000.00 | 16-AUG-17 | 5,000.00 | Reconcile |
| 379436 | 10-NIG-17 | SERVICE INC MOULTON NIGUEL | 20,489,50 | 18-AUG-17 | 20,489,50 | Reconcile |
| 179430 | | WATER DISTRICT | • | | | |
| 379437 | 10-AUG-17 | MUNICIPAL WATER DISTRICT OF ORANGE COUNTY | 1,248.28 | 14-AUG-17 | 1,248.28 | Reconcile |
| 379438 | 10-AUG-17 | NATIONAL READY | 1,003.32 | 14-AUG-17 | 1,003.32 | Reconcile |
| | 10 200 17 | MIXED CONCRETE CO. | 1,430.00 | 14-AUG-17 | 1,430.00 | Reconcile |
| 379439 379440 | | NATURALWELL, LLC NATURES IMAGE INC | 385.00 | 15-AUG-17 | 385,00 | Reconcile |
| 179441 | 10-AUG-17 | NEWPORT REAL | 4,800.00 | 15-AUG-17 | 4,800.00 | Reconcile |
| 379442 | 10-AUG-17 | ESTATE SERVICES NMG GEOTECHNICAL | 5,903.50 | 18-AUG-17 | 5,903.50 | Reconcile |
| 379443 | 10-AUG-17 | INC NORMAN A. OLSSON | 22,705.38 | 17-AUG-17 | 22,705.38 | Reconcile |
| 779445 | | CONSTRUCTION, INC. | | | | |
| 379444 | 10-AUG-17 | O.C. SUPERIOR CUSTOM CLEANING SERVICES | 1,512.00 | 25-AUG-17 | 1,512.00 | Reconcile |
| 379445 | 10-AUG-17 | OLIN CORPORATION | 14,663.07 | 17-AUG-17 | 14,663.07 | Reconcile |
| 379446 | | OMAR DANDASHI | 12,572.60 161.50 | 17-AUG-17 | 161,50 | Negotiabl Reconcile |
| 379447 | 10-AUG-17 | ORANGE COUNTY AUTO | 101,50 | 1, 1100 1, | | |
| | | PARTS CO | | | | |
| 379448 | 10-AUG-17 | PARTS CO ORANGE COUNTY TREASURER | 66.95 | 14-AUG-17 | 66.95 | Reconcile |
| 379449 | 10-AUG-17 | ORANGE COUNTY TREASURER ORANGE COUNTY WATER DISTRICT | 66.95 3,453.33 | 14-AUG-17 | 3,453.33 | Reconcile |
| 379449 RWD Ledger Upgi BANK: Bank of A Bank Accou | 10-AUG-17 rade America N.A. Brand Int Currency: USD (US I Type: All | ORANGE COUNTY TREASURER ORANGE COUNTY WATER DISTRICT Payment th : Los Angeles | 66.95 3,453.33 Register For O1-AUG-17 To Account: Check | 14-AUG-17 31-AUG-17 ing AP and Pency: USD | 3,453.33 Report Date: 01 | Reconcile |
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| RWD Ledger Upgn SANK: Bank of 7 Bank Acco Payment Payment Number Payment Docume 379450 379451 379452 379453 379454 379456 379456 379457 379458 379459 379460 379461 | 10-AUG-17 rade America N.A. Branc Int Currency: USD (US I Type: All Sequence Num Date Ent: IRWD CHECK 10-AUG-17 | ORANGE COUNTY TREASURER ORANGE COUNTY WATER DISTRICT Payment th: Los Angeles Collar) Supplier Name PACIFIC PARTS & CONTROLS INC PAPER DEPOT DOCUMENT DESTRUCTION LLC PARKHOUSE TIRE INC PASCAL & LUDWIG CONSTRUCTORS PASCAL & LUDWIG CONSTRUCTORS PASCAL & LUDWIG CONSTRUCTORS PASCAL & LUDWIG CONSTRUCTORS PANCE & FEARS LLP PCP MOTORSPORTS PELLETIER & ASSOCIATES, INC. POLLARDWATER.COM PRAXAIR DISTRIBUTION INC PRES-TECH MANUFACTURER'S REPRESENTATIVES, INC. PTI SAND & GRAVEL INC QUICKEL PAVING INC RAINBOW DISPOSAL | 66.95 3,453.33 Register For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 8,397.16 720.00 3,389.56 4,110.00 444,279.37 19,273.13 3,531.00 37,694.86 620.00 143.77 447.42 77.26 | 14-AUG-17 31-AUG-17 ring AP and I ency: USD less: No Cleared Date 15-AUG-17 17-AUG-17 14-AUG-17 16-AUG-17 17-AUG-17 14-AUG-17 14-AUG-17 15-AUG-17 14-AUG-17 15-AUG-17 14-AUG-17 15-AUG-17 | 3,453.33 Report Date: 01 Page: (US Dollar) Cleared Amount 8,397.16 720.00 3,389.56 4,110.00 444,279.37 19,273.13 3,531.00 37,694.86 620.00 143.77 447.42 77.26 | Reconcile -SEP-2017 1 12 Sta Reconcile |
| RWD Ledger Upgrank Sank: Bank of 7 Bank Accordance Payment Number Payment Docume 379450 379451 379454 379455 379456 379457 379450 379460 379461 379462 379463 379464 | 10-AUG-17 rade America N.A. Int Currency: USD (US I Type: All Sequence Num Date Ent: IRWD CHECK 10-AUG-17 10-AUG-17 | ORANGE COUNTY TREASURER ORANGE COUNTY WATER DISTRICT Payment th: Los Angeles Collar) Supplier Name PACIFIC PARTS & CONTROLS INC PAPER DEPOT DOCUMENT DESTRUCTION LLC PARKHOUSE TIRE INC PASCAL & LUDWIG CONSTRUCTORS PASCAL | 66.95 3,453.33 Register For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 8,397.16 720.00 3,389.56 4,110.00 444,279.37 19,273.13 3,531.00 37,694.86 620.00 143.77 447.42 77.26 | 14-AUG-17 31-AUG-17 ing AP and I ency: USD ency: USD ency: No Cleared Date 15-AUG-17 17-AUG-17 14-AUG-17 16-AUG-17 17-AUG-17 14-AUG-17 15-AUG-17 15-AUG-17 14-AUG-17 15-AUG-17 15-AUG-17 | 3,453.33 Report Date: 01 Page: (US Dollar) Cleared Amount 8,397.16 720.00 3,389.56 4,110.00 444,279.37 19,273.13 3,531.00 37,694.86 620.00 143.77 447.42 77.26 1,907.63 550.00 | Reconcile |
| 379449 RWD Ledger Upg: BANK: Bank of 7 Bank Acco Payment Payment Number Payment Docume 379450 379451 379452 379453 379454 379455 379456 379457 379458 379459 379460 379461 | 10-AUG-17 rade America N.A. Int Currency: USD (US I Type: All Sequence Num Date Ent: IRWD CHECK 10-AUG-17 | ORANGE COUNTY TREASURER ORANGE COUNTY WATER DISTRICT Payment th: Los Angeles Collar) Supplier Name PACIFIC PARTS & CONTROLS INC PAPER DEPOT DOCUMENT DESTRUCTION LLC PARKHOUSE TIRE INC PASCAL & LUDWIG CONSTRUCTORS PASCAL | 66.95 3,453.33 Register For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 8,397.16 720.00 3,389.56 4,110.00 444,279.37 19,273.13 3,531.00 37,694.86 620.00 143.77 447.42 77.26 1,907.63 550.00 357.36 | 14-AUG-17 ing AP and I ency: USD less: No Cleared Date 15-AUG-17 17-AUG-17 14-AUG-17 16-AUG-17 17-AUG-17 14-AUG-17 14-AUG-17 14-AUG-17 14-AUG-17 14-AUG-17 14-AUG-17 15-AUG-17 14-AUG-17 15-AUG-17 14-AUG-17 15-AUG-17 | 3,453.33 Report Date: 01 Page: (US Dollar) Cleared Amount 8,397.16 720.00 3,389.56 4,110.00 444,279.37 19,273.13 3,531.00 37,694.86 620.00 143.77 447.42 77.26 1,907.63 550.00 357.36 | |

| 379467 | | 10-AUG-17 | RESPONSE ENVELOPE, | | 2,078.24 | 22-AUG-17 | 2,078.24 | Reconciled |
|--|--|------------------------|--|------------------|---|------------------------------|---|--------------------------|
| 379468 | | 10-AUG-17 | INC RINGCLEAR LLC SANTA ANA BLUE | | 106.68 1,037.77 | 16-AUG-17 17-AUG-17 | 106.68 1,037.77 | Reconciled Reconciled |
| 379469 379470 | | | PRINT SHAMROCK SUPPLY CO | | 992.26 | 15-AUG-17 | 992.26 | Reconciled |
| 379471 | | | INC SOUTH COAST AIR | | 5,638.79 | 22-AUG-17 | 5,638.79 | Reconciled |
| 373471 | | | QUALITY MANAGEMENT DISTRICT | | 40.00 | 10 200 13 | 40.00 | Degenatled |
| 379472 | | 10-AUG-17 | SOUTH COAST WATER | | 40.00 | 17-AUG-17 | 40,00 Report Date: 01- | Reconciled |
| Bank Accou | rade America N.A. unt Currency: Type: All | Branc USD (US D | h : Los Angeles | | r 01-AUG-17 To Account; Checki Payment Curre lay Supplier Addr | .ng AP and PF ency: USD (| R Page: 1 | |
| Payment Number | Sequence Num | Date | Supplier Name | Site | Payment Amount | Cleared Date | Cleared Amount | Status |
| Payment Docume | ***** | | | | | | | |
| | | 10-AUG-17 | COUMILEDIN | | 228,585.06 | 15-AUG-17 | 228,585.06 | Reconciled |
| 379473 | | 10-A0G-17 | CALIFORNIA EDISON COMPANY | | | | | D |
| 379474 379475 | | 10-AUG-17 10-AUG-17 | STANTEC CONSULTING | | 1,244.18 7,750.00 | 15-AUG-17 15-AUG-17 | 1,244.18 7,750.00 | Reconciled Reconciled |
| 379476 | | 10-AUG-17 | | | 24,220.00 | 22-AUG-17 | 24,220.00 | Reconciled |
| 379477 | | 10-AUG-17 | INC. SUNSHINE SUPPLY COMPANY, INC. | | 2,734.70 | 14-AUG-17 | 2,734.70 | Reconciled |
| 379478 379479 | | 10-AUG-17 | | | 4,295.00 369.60 | 14-AUG-17 16-AUG-17 | 4,295.00 369.60 | Reconciled Reconciled |
| | | | LABORATORIES, INC | | 14,086.00 | 17-AUG-17 | 14,086.00 | Reconciled |
| 379480 379481 | | 10-AUG-17 10-AUG-17 | | | 1,547.81 | 18-AUG-17 | 1,547.81 | Reconciled |
| 379482 | | 10-AUG-17 | TIMOTHY W. HOGAN | | 5,492.57 54,504.50 | 15-AUG-17 16-AUG-17 | 5,492.57 54,504.50 | Reconciled Reconciled |
| 379483 | | 10-AUG-17 | TROPICAL PLAZA NURSERY INC | | 34,304.30 | | , | |
| 379484 | | 10-AUG-17 | TRUCPARCO | | 79,33 195.50 | 16-AUG-17 14-AUG-17 | 79.33 195.50 | Reconciled Reconciled |
| 379485 379486 | | 10-AUG-17 10-AUG-17 | | | 1,169.16 | 16-AUG-17 | 1,169.16 | Reconciled |
| 379487 | | 10-AUG-17 | | | 1,087.45 | 18-AUG-17 | 1,087.45 | Reconciled |
| | | | SERVICE ALERT OF SOUTHERN CALIFORNIA | | | | | |
| 379488 | | 10-AUG-17 | UNITED PARCEL SERVICE INC | | 38,91 | 16-AUG-17 | 38.91 | Reconciled |
| 379489 379490 | = | 10-AUG-17 10-AUG-17 | UTILITY | | 21.02 22,202.50 | 16-AUG-17 22-AUG-17 | 21.82 22,202.50 | Reconciled Reconciled |
| 379491 | | 10-AUG-17 | SPECIALISTS, INC VERIZON WIRELESS | | 660.31 | 15-AUG-17 | 660.31 | Reconciled |
| 379492 | | | SERVICES LLC W.M. LYLES CO WARD, WILLIAM P | | 338,590.90 613.00 | 16-AUG-17 21-AUG-17 | 338,590.90 613.00 | Reconciled Reconciled |
| 379493 379494 | | 10-AUG-17 | JR. | | 2,733.99 | 15-AUG-17 | 2,733.99 | Reconciled |
| 379495 | | 10-AUG-17 | OF ORANGE COUNTY | | 2,449.17 | 14-AUG-17 | 2,449.17 | Reconciled |
| 379496 | | | ENTERPRISES, INC WECK LABORATORIES | | 485.00 | 17-AUG-17 | 405.00 | Reconciled |
| 379497 | | 10-AUG-17 | INC WEST YOST | | 16,521.03 | 18-AUG-17 | 16,521.03 | Reconciled |
| 379498 | | 10-AUG-17 | ASSOCIATES, INC WESTAMERICA COMMUNICATIONS, | | 2,922.00 | 14-AUG-17 | 2,922.00 | Reconciled |
| Bank Acco | rade America N.A. unt Currency: Type: All | | INC. Payment ch : Los Angeles | | or 01-AUG-17 To Account: Check Payment Curr play Supplier Add | ing AP and P ency: USD (| Report Date: 01- PR Page: (US Dollar) | -SEP-2017 10:09 |
| Daymont Number | Seguence Num | n Date | Supplier Name | Site | Payment Amount | Cleared Date | Cleared Amount | |
| $0.00 \pm 0.00 \pm $ | | | | | | | | *** |
| Payment Docum | ent : IRWD CF | HECK | | | | | | |
| 379499 | | 10-AUG-17 | WESTERN EXTERMINATOR | | 10,678.00 | 17-AUG-17 | 10,678.00 | Reconciled |
| 379500 | | 10-AUG-17 | COMPANY W.M. LYLES CO | ESCR 35110399 | 17,820.58 | 16-AUG-17 | 17,820.58 | Reconciled |
| 379501 | | 14-AUG-17 | TACHDJIAN, MATTHE | | 17,100.00 | | | Negotiable |
| 379502 | | 14-AUG-17 | JCI JONES CHEMICALS INC | TAMPA | 4,532.79 | 22-AUG-17 | 4,532.79 | Reconciled |
| 379503 | | 14-AUG-17 | CONSOLIDATED CONTRACTING | PAY | 1,171.43 | 23-AUG-17 | 1,171.43 | Reconciled |
| 379504 | | 14-AUG-17 | SERVICES. INC. STICE COMPANY, | PAY | 1,179.06 | 21-AUG-17 | 1,179.06 | Reconciled |
| 379505 | | 17-AUG-17 | INC. Bennett, Ray R | | 262.17 | 21-AUG-17 | 262.17 | Reconciled |
| | | | | | | | | |

| | | (Ray) | | | | |
|--|--|---|--|--|--|---|
| 379506 | 17-AUG-1 | Borowski, Michael | 88.00 | | | Negotiable |
| 270507 | 17 NIC-1 | (Mike) 7 Cadena, Miguel | 106.00 | 23-AUG-17 | 106.00 | Reconciled |
| 379507 379508 | | 7 Coria, Alejandro | | 18-AUG-17 | 260.00 | Reconciled |
| | | (Alex) | 20.00 | | | Negotiable |
| 379509 | 17-AUG-1 | <pre>Justice, Jack L (Jack)</pre> | 90.00 | | | Medociante |
| 379510 | 17-AUG-1 | 7 Lee, Sun (Sunny) | 8.04 | | | Negotiable |
| 379511 | | 7 Navarro, Hector R | 605.00 26.75 | 21-AUG-17 | 26.75 | Negotiable Reconciled |
| 379512 | 17-AUG-1 | 7 Oldewage, Lars D (Lars) | 20.73 | 21-AUG-17 | 20,73 | Keconcraça |
| 379513 | 17-AUG-1 | 7 Olson, Richard Jr | 60,00 | 28-AUG-17 | 60,00 | Reconciled |
| | 12 200 1 | (Richard) | 80,00 | 22-AUG-17 | 80.00 | Reconciled |
| 379514 | 17-AUG-1 | 7 Reed, James W (James) | 80,00 | 22 700 17 | | |
| 379515 | | 7 Reynoso, Pio (Pio) | 93.00 | 22-AUG-17 | 93.00 | Reconciled Reconciled |
| 379516 | | 7 Saini, Mohit 7 ABRAHIM, BIBI | 54.26 2.01 | 17-AUG-17 23-AUG-17 | 54.26 2.01 | Reconciled |
| 379517 379518 | | 7 ACCUSOURCE, INC. | | | | Negotiable |
| 379519 | 17-AUG-1 | 7 AGILENT | 82.32 | 21-AUG-17 | 82.32 | Reconciled |
| 379520 | 17-AUG-1 | TECHNOLOGIES, INC. 7 AIRGAS, INC. | 464.64 | 21-AUG-17 | 464,64 | Reconciled |
| 379521 | | 7 AMAZON CAPITAL | 229.00 | 22-AUG-17 | 229.00 | Reconciled |
| | 17 100 1 | SERVICES, INC. | 150.00 | 24-AUG-17 | 150.00 | Reconciled |
| 379522 | 1 /-AUG-1 | 7 AMERICAN SOCIETY OF CIVIL ENGINEERS | | 24 A00 17 | 130.00 | 110001101144 |
| | | ORANGE COUNTY | | 00 7775 17 | 000 40 | December 3 and |
| 379523 | 17-AUG-1 | 7 ANTHEM BLUE CROSS | 208.43 | 22-AUG-17 22-AUG-17 | 208.43 546.33 | B |
| 379524 | 17-AUG-1 | 7 ANTHEM BLUE CROSS | 546.33 | 22-AIIC-17 | 546 33 | Reconciled |
| IRWD Ledger Upgrad | de | 7 ANTHEM BLUE CROSS 7 ANTHEM BLUE CROSS 7 ANTHEM BLUE CROSS Payment nch : Los Angeles | Register For 01-AUG-17 To | 31-AUG-17 | Report Date: 01- | -SEP-2017 10:09 |
| BANK: Bank of Am | erica N.A. Bra | nch : Los Angeles | Account: Check Payment Curr | ing AP and PR ency: USD (I | Page: J JS Dollar) | 12 |
| Payment T | ype: All | DOTTAL) | Account: Check Payment Curr Display Supplier Add | iress: No | , , | |
| - | | | | | | |
| | | | | Cleared | | |
| Payment Number S | equence Num Date | Supplier Name | Site Payment Amount | Date | Cleared Amount | Status |
| Payment Documen | | | | | | |
| raymene boodmen | | | 001.07 | 00 700 17 | 201 07 | Page 1 and |
| 379526 | | 7 ANTHEM BLUE CROSS 7 ANTHONY N. LARSEN | | 22-AUG-17 21-AUG-17 | 600.00 | Reconciled Reconciled |
| 379527 379528 | | 7 ARCHITERRA INC. | | | 3,109.99 5,445.06 | Reconciled |
| 379529 | 17-AUG-1 | | 5,445.06 | | | Reconciled Reconciled |
| 379530 | 17-AUG-1 | 7 AT&T 7 ATHENS SERVICES | 48.66 7,804.64 | | 48.66 7,804.64 | |
| 379531 379532 | | 7 AUTOZONE PARTS, | 292.05 | | 292.05 | Reconciled |
| | | INC. | 267, 40 | 02 340 17 | 361,42 | Reconciled |
| 379533 | 17-AUG-1 | 7 BAKER RANCH COMMUNITY | 361.42 | 23-AUG-17 | 301,42 | Reconciled |
| | | ASSOCIATION | | | 0694 | |
| 379534 | | 7 BAVAR, SHAHIN | 31.81 187.32 | | 31.81 187.32 | Reconciled Reconciled |
| 379535 | 1.7-AUG-1 | 7 BAVCO BACKFLOW APPARATUS & VALVE | | 21-A0G-17 | 1074366 | Reconciled |
| | | COMPANY | | | | |
| 379536 | | 7 BLAIRS TOWING INC | 75.00 4,759,90 | 23-AUG-17 | 4,759.90 | Negotiable Reconciled |
| 379537 379538 | | 7 BOBCAT COMPANY 7 BORCHARD SURVEYING | | | | |
| | | | 2,033.00 | 22-AUG-17 | 2,635.00 | Reconciled |
| 379539 | | & MAPPING, INC. | | | · | Reconciled |
| | 17-AUG-1 | & MAPPING, INC. 7 BURKE, WILLIAMS & | | | 2,635.00 5,427.50 | |
| 379540 | | & MAPPING, INC. | 5,427.50 | 22 -A UG-17 | · | Reconciled |
| 379540 | 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTIER ENGINEERING INC | 5,427.50 22,400.00 | 22-AUG-17 23-AUG-17 | 5,427.50 22,400.00 | Reconciled Reconciled |
| 379540 379541 | 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTIER ENGINEERING INC CABELA'S MARKETING | 5,427.50 22,400.00 | 22 -A UG-17 | 5,427.50 | Reconciled Reconciled |
| | 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTIER ENGINEERING INC | 5,427.50 5 22,400.00 687.46 | 22-AUG-17 23-AUG-17 22-AUG-17 | 5, 427.50 22, 400.00 687.46 | Reconciled Reconciled Reconciled |
| | 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTTER ENGINEERING INC CABELA'S MARKETING AND BRAND MANAGEMENT INC CALIFORNIA | 5,427.50 22,400.00 | 22-AUG-17 23-AUG-17 | 5,427.50 22,400.00 | Reconciled Reconciled |
| 379541 | 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTIER ENGINEERING INC CABELA'S MARKETING AND BRAND MANAGEMENT INC CALIFORNIA BARRICADE RENTAL, | 5,427.50 5 22,400.00 687.46 | 22-AUG-17 23-AUG-17 22-AUG-17 | 5, 427.50 22, 400.00 687.46 | Reconciled Reconciled Reconciled |
| 379541 | 17-AUG-1 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTTER ENGINEERING INC CABELA'S MARKETING AND BRAND MANAGEMENT INC CALIFORNIA BARRICADE RENTAL, INC. CANON SOLUTIONS | 5,427.50 5 22,400.00 687.46 | 22-AUG-17 23-AUG-17 22-AUG-17 | 5, 427.50 22, 400.00 687.46 | Reconciled Reconciled Reconciled |
| 379541 379542 379543 | 17-AUG-1 17-AUG-1 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTIER ENGINEERING INC CABELA'S MARKETING AND BRAND MANAGEMENT INC CALIFORNIA BARRICADE RENTAL, INC. CANON SOLUTIONS AMERICA, INC. | 5,427.50 22,400.00 687.46 915.04 67.64 | 22-AUG-17 23-AUG-17 22-AUG-17 21-AUG-17 22-AUG-17 | 5,427.50 22,400.00 687.46 915.04 | Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379541 379542 | 17-AUG-1 17-AUG-1 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTTER ENGINEERING INC CABELA'S MARKETING AND BRAND MANAGEMENT INC CALIFORNIA BARRICADE RENTAL, INC. CANON SOLUTIONS | 5,427.50 22,400.00 687.46 915.04 67.64 | 22-AUG-17 23-AUG-17 22-AUG-17 21-AUG-17 | 5,427.50 22,400.00 687.46 915.04 | Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379541 379542 379543 | 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTIER ENGINEERING INC CABELA'S MARKETING AND BRAND MANAGEMENT INC CALIFORNIA BARRICADE RENTAL, INC. CANON SOLUTIONS AMERICA, INC. CAROLLO ENGINEERS, INC CUM GOVERNMENT LLC | 5,427.50 22,400.00 3 687.46 915.04 67.64 21,662.68 2,652.10 | 22-AUG-17 23-AUG-17 22-AUG-17 21-AUG-17 22-AUG-17 28-AUG-17 23-AUG-17 | 5,427.50 22,400.00 687.46 915.04 67.64 21,662.68 2,652.10 | Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379541 379542 379543 379544 | 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTIER ENGINEERING INC CABELA'S MARKETING AND BRAND MANAGEMENT INC CALIFORNIA BARRICADE RENTAL, INC. CANON SOLUTIONS AMERICA, INC. CAROLLO ENGINEERS, INC CHAIREL CUSTOM | 5,427.50 22,400.00 3 687.46 915.04 67.64 21,662.68 | 22-AUG-17 23-AUG-17 22-AUG-17 21-AUG-17 22-AUG-17 28-AUG-17 | 5,427.50 22,400.00 687.46 915.04 67.64 21,662.68 | Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379541 379542 379543 379544 379545 | 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTIER ENGINEERING INC CABELA'S MARKETING AND BRAND MANAGEMENT INC CALIFORNIA BARRICADE RENTAL, INC. CANON SOLUTIONS AMERICA, INC. CAROLLO ENGINEERS, INC CUM GOVERNMENT LLC | 5,427.50 22,400.00 3 687.46 915.04 67.64 21,662.68 2,652.10 4,220.75 | 22-AUG-17 23-AUG-17 22-AUG-17 21-AUG-17 22-AUG-17 28-AUG-17 23-AUG-17 22-AUG-17 | 5,427.50 22,400.00 687.46 915.04 67.64 21,662.68 2,652.10 4,220.75 | Reconciled |
| 379541 379542 379543 379544 379545 379546 379547 379548 | 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 17-AUG-1 | & MAPPING, INC. BURKE, WILLIAMS & SORENSEN, LLP BUTIER ENGINEERING INC CABELA'S MARKETING AND BRAND MANAGEMENT INC CALIFORNIA BARRICADE RENTAL, INC. CANON SOLUTIONS AMERICA, INC. CAROLLO ENGINEERS, INC CHAIREL CUSTOM HAY, INC. CHANG, LAURA CHEM SERVICE INC. | 5,427.50 22,400.00 3 22,400.00 3 687.46 915.04 67.64 21,662.68 2,652.10 4,220.75 104.37 102.30 | 22-AUG-17 23-AUG-17 22-AUG-17 21-AUG-17 22-AUG-17 28-AUG-17 23-AUG-17 21-AUG-17 | 5,427.50 22,400.00 687.46 915.04 67.64 21,662.68 2,652.10 4,220.75 | Reconciled |
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| - | ent : IRWD CHECK | | 1 105 00 | | | Magatiable |
| 379554 379555 | | COMMERCIAL COATING RESOURCE INC COMMERCIAL DOOR OF | 1,195.00 6,410,00 | 23-AUG-17 | 6,410.00 | Negotiable Reconciled |
| 017000 | | ORANGE COUNTY, INC. | | | | w |
| 379556 | 17-AUG-17 | COUNTY OF RIVERSIDE | 2,769.10 | | | Negotiable |
| 379557 | 17-AUG-17 | CPI-INTERNATIONAL, INC | 695,34 | 21-AUG-17 | 695,34 | Reconciled |
| 379558 | 17-AUG-17 | | 101,84 | 22-AUG-17 | 101.84 | Reconciled |
| 379559 | 17-AUG-17 | CUMMINS PACIFIC, | 189.12 | 21-AUG-17 | 189.12 | Reconciled |
| 379560 | 17-AUG-17 | LLC CYPRESS VILLAGE | 848.56 | | | Negotiable |
| 379561 | 17-AUG-17 | CADENZA CYPRESS VILLAGE | 949,99 | | | Negotiable |
| 379562 | 17-AUG-17 | MURANO DEE JASPAR & | 28,477,33 | 31-AUG-17 | 28,477.33 | Reconciled |
| 379563 | 17-AUG-17 | ASSOCIATES, INC. DEL REY APARTMENTS | 11,556.46 | | | Negotiable |
| 379564 379565 | | DELL MARKETING LP DELPHIN COMPUTER | 36,922.63 400.18 | 23-AUG-17 24-AUG-17 | 36,922.63 400,18 | Reconciled Reconciled |
| 379566 | | SUPPLY DIBA, ROXANNA | 113,66 | 22-AUG-17 | 113.66 | Reconciled |
| 379567 | 17-AUG-17 | DISCOUNT COURIER SERVICE | 158,50 | 22-AUG-17 | 158.50 | Reconciled |
| 379568 379569 | 17-AUG-17 17-AUG-17 | | 3,526.79 1,800,00 | 23-AUG-17 21-AUG-17 | 3,526.79 1,800.00 | Reconciled Reconciled |
| 379570 | 17-AUG-17 | INTERNATIONAL, INC | 801.28 | 22-AUG-17 | 801.28 | Reconciled |
| 379571 | | EQUIPMENT SUPPLY EVANS, SEAN | 428.56 | 21-AUG-17 | 428.56 1,974.29 | Reconciled |
| 379572 | 17-AUG-17 | EXECUTIVE LIGHTING & ELECTRIC | 1,974.29 | 21-AUG-17 | , | Reconciled |
| 379573 379574 | 17-AUG-17 17-AUG-17 | | 590.96 554.56 | 21-AUG-17 | 590,96 | Reconciled Negotiable |
| 379575 | 17-AUG-17 | FIRST CHOICE SERVICES | 351.45 | 23-AUG-17 | 351.45 | Reconciled |
| 379576 | 17-AUG-17 | FISHER SCIENTIFIC COMPANY LLC | 1,396.36 | 21-AUG-17 | 1,396.36 | Reconciled |
| 379577 | 17-AUG-17 | | 4,821.10 | 21-AUG-17 | 4,821.10 | Reconciled |
| | | | | | | |
| 379578 | 17-AUG-17 | FRONTIER | 316.71 | 24-AUG-17 | 316.71 | Reconciled |
| 379579 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. | 1,421.15 | 23-AUG-17 | 1,421.15 | Reconciled |
| 379579 379580 IRWD Ledger Upg | 17-AUG-17 17-AUG-17 grade | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re | 1,421.15 10,485.50 egister For 01-AUG-17 To | 23-AUG-17 23-AUG-17 31-AUG-17 | 1,421.15 10,485.50 Report Date: 01- | Reconciled Reconciled -SEP-2017 10: |
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| 379579 379580 IRWD Ledger Upg BANK: Bank of Bank Acco | 17-AUG-17 17-AUG-17 grade America N.A. Branc | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No | 1,421.15 10,485.50 Report Date: 01- R Page: 1 | Reconciled Reconciled -SEP-2017 10: |
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| 379579 379580 IRWD Ledger Upg BANK; Bank of Bank Accc Payment | 17-AUG-17 17-AUG-17 grade America N.A. Brand bunt Currency: USD (US I Type: All | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re th: Los Angeles collar) Supplier Name | 1,421.15 10,405.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) | Reconciled Reconciled -SEP-2017 10: 17 |
| 379579 379580 IRWD Ledger Upg BANK; Bank of Bank Accc Payment | 17-AUG-17 17-AUG-17 grade America N.A. Brand bunt Currency: USD (US I Type: All | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re th: Los Angeles collar) Supplier Name | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) | Reconciled Reconciled -SEP-2017 10: |
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| 379579 379580 RWD Ledger Upg BANK: Bank of Bank Acc Payment Payment Number Payment Docum 379581 379582 379583 379584 | 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re th: Los Angeles collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAINGER GRAYBAR ELECTRIC COMPANY | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 31,840.00 96.79 100.59 3,683.22 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 | Reconciled Reconciled -SEP-2017 10: 17 Statu Reconciled Reconciled Reconciled Reconciled |
| 379579 379580 RWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docum 379581 379582 379583 379584 379585 | 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re th: Los Angeles collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAYBAR ELECTRIC COMPANY GREAT-WEST FINANCIAL | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 31,840.00 96.79 100.59 3,663.22 807.00 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 | Reconciled Reconciled -SEP-2017 10: 17 Statu Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379579 379580 RWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Docum 379581 379582 379583 379584 379585 379586 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re th: Los Angeles collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAINGER GRAYBAR ELECTRIC COMPANY GREAT-WEST FINANCIAL GREAT-WEST FINANCIAL | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 | Reconciled Reconciled -SEP-2017 10: 17 Statu Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379579 379580 RWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docum 379581 379582 379583 379584 379585 379586 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re th: Los Angeles collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAYBAR ELECTRIC COMPANY GREAT-WEST FINANCIAL GREAT-WEST FINANCIAL GREAT-WEST FINANCIAL GREAT-WEST FINANCIAL GREAT-WEST FINANCIAL | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 | Reconciled Reconciled -SEP-2017 10: 17 Statu Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379579 379580 IRWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docum 379581 379582 379583 379584 379585 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re th: Los Angeles collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAYBAR ELECTRIC COMPANY GREAT-WEST FINANCIAL GREAT-WEST FINANCIAL GREAT-WEST | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 | Reconciled Reconciled -SEP-2017 10: Statu Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled Reconciled |
| 379579 379580 IRWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docum 379581 379582 379583 379584 379585 379586 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re th: Los Angeles collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAINGER GRAYBAR ELECTRIC COMPANY GREAT-WEST FINANCIAL GREAT-WEST | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 | Reconciled Reconciled -SEP-2017 10: 17 Statu Reconciled |
| 379579 379580 IRWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docum 379581 379582 379584 379584 379585 379586 379587 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re ch: Los Angeles collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAINGER GRAYBAR ELECTRIC COMPANY GREAT-WEST FINANCIAL GREAT-WEST | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 | Reconciled Reconciled SEP-2017 10:0 Status Reconciled |
| 379579 379580 IRWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docum 379581 379582 379583 379584 379585 379586 379586 379587 379588 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re th: Los Angeles Collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAINGER GRAYBAR ELECTRIC COMPANY GREAT-WEST FINANCIAL GREAT-WEST | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 | Reconciled Reconciled -SEP-2017 10:117 Statu: Reconciled |
| 379579 379580 IRWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docum 379581 379582 379583 379584 379585 379586 379586 379586 379588 379588 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re ch: Los Angeles | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 | Reconciled |
| 379579 379580 IRWD Ledger Upg BANK: Bank of Bank Acco Payment Payment Number Payment Docum 379581 379582 379584 379584 379586 379586 379586 379587 379588 379589 379590 | 17-AUG-17 17-AUG-17 17-AUG-17 17-AUG-17 Sequence Num Date Type: All Sequence Num Date 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re ch: Los Angeles collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAINGER GRAYBAR ELECTRIC COMPANY GREAT-WEST FINANCIAL | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 991.95 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 | Reconciled Reconciled -SEP-2017 10:0 Status Reconciled |
| 379579 379580 IRWD Ledger Upg BANK: Bank of Bank Accc Payment Number Payment Docum 379581 379582 379583 379584 379585 379586 379586 379589 379590 379591 379592 379593 379594 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re th: Los Angeles collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAINGER GRAYBAR ELECTRIC COMPANY GREAT-WEST FINANCIAL GREAT-WEST | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 991.95 683.76 2,355.97 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 991.95 | Reconciled Reconciled -SEP-2017 10:17 Statu. Reconciled |
| 379579 379580 IRWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docum 379581 379582 379583 379584 379585 379586 379586 379587 379588 379589 379590 379591 379592 379593 379594 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re ch: Los Angeles | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 991.95 683.76 2,355.97 9,439.93 10,448.85 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Piency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 991.95 | Reconciled Reconciled Reconciled -SEP-2017 10:017 Status Reconciled |
| 379579 379580 1RWD Ledger Upg BANK: Bank of Bank Accc Payment Number Payment Docum 379581 379582 379583 379584 379586 379586 379586 379589 379590 379591 379592 379593 379594 379595 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re ch: Los Angeles collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAINGER GRAYBAR ELECTRIC COMPANY GREAT-WEST FINANCIAL GREAT-WEST FI | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 991.95 683.76 2,355.97 9,439.93 10,448.85 20,000.00 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Plency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 991.95 2,355.97 9,439.93 10,448.85 20,000.00 | Reconciled |
| 379579 379580 IRWD Ledger Upg BANK: Bank of Bank Accc Payment Payment Number Payment Docum 379581 379582 379583 379584 379585 379586 379586 379587 379588 379589 379590 379591 379592 379593 379594 | 17-AUG-17 | FRONTIER CALIFORNIA INC. GANAHL LUMBER CO. GHD INC. Payment Re th: Los Angeles collar) Supplier Name GM SAGER CONSTRUCTION CO, INC. GONZALEZ, DENISE GRAINGER GRAYBAR ELECTRIC COMPANY GREAT-WEST FINANCIAL HAAKER EQUIPMENT COMPANY HELPMATES STAFFING SERVICES HILL BROTHERS CHEMICAL COMPANY INTEGRITY IT | 1,421.15 10,485.50 egister For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add Site Payment Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 991.95 683.76 2,355.97 9,439.93 10,448.85 | 23-AUG-17 23-AUG-17 31-AUG-17 ing AP and Piency: USD (ress: No Cleared Date 23-AUG-17 25-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 21-AUG-17 | 1,421.15 10,485.50 Report Date: 01- R Page: 1 US Dollar) Cleared Amount 31,840.00 96.79 100.59 3,683.22 807.00 5,495.92 166.67 3,421.28 158.71 86.26 991.95 2,355.97 9,439.93 10,448.85 | Reconciled |

| 379600 | | KONECRANES INC | 2,845.00 114,435.00 | | 2,845.00 114,435.00 | Reconciled Reconciled |
|---|--------------------------|---|---|------------------------------|------------------------|--------------------------|
| 379601 379602 379603 | | KS DIRECT LLC LANCER SALES USA, INC. | 1,137.84 366.60 | | 1,137.84 366.60 | Reconciled Reconciled |
| 379604 379605 | | LEE & RO, INC. LIM, EUNSUN | 21,414.41 13.85 | 24-AUG-17 | 21,414.41 | Reconciled Negotiable |
| 379606 | 17-AUG-17 | LIM, HYUNG JUN | 180,09 113,43 | 24-AUG-17 | 180.09 | |
| 379607 379608 | | LIN, NANCY LINE-X OF SOUTH | 519,35 | 21-AUG-17 | 519.35 | Reconciled |
| IRWD Ledger Upgrade BANK: Bank of America N.A Bank Account Currenc Payment Type: All | . Branc y: USD (US D | COAST Payment Regi: h : Los Angeles ollar) | ster For 01-AUG-17 To Account; Check Payment Curr Display Supplier Add | ing AP and PR | t Page: 1 | SEP-2017 10:09 8 |
| Payment Number Sequence N | um Date | Supplier Name Site | e Payment Amount | Cleared Date | Cleared Amount | Status |
| Payment Document : IRWD | | | | | | |
| 379609 | 17-AUG-17 | LSA ASSOCIATES INC | | 23-AUG-17 | | Reconciled |
| 379610 379611 | 17-AUG-17 17-AUG-17 | M.CUBED MAKAR PROPERTIES, | 1,086.25 195,000,00 | | 1,086.25 195,000.00 | Reconciled Reconciled |
| 379612 379613 | | LLC MBK ENGINEERS MC MASTER CARR | 35,665.00 1,425.06 | | 35,665.00 1,425.06 | Reconciled Reconciled |
| 379614 | | SUPPLY CO MERAZ, GINA | 233.39 | | | Reconciled |
| 379615 | 17-AUG-17 | MICHAEL BAKER INTERNATIONAL, | 59,697.13 | 24-AUG-17 | 59, 697.13 | Reconciled |
| 379616 379617 | | INC, MOSLEHPOUR, KEVIN MYERS & SONS HI~ | 137.82 2,605.40 | | 137.82 2,605.40 | Reconciled Reconciled |
| 379618 | 17-AUG-17 | WAY SAFETY, INC. · NATIONAL READY | 1,265.92 | 21-AUG-17 | 1,265.92 | Reconciled |
| 379619 379620 | | MIXED CONCRETE CO, NATURES IMAGE INC NMG GEOTECHNICAL | 1,665.43 11,887.17 | 21-AUG-17 | 1,665.43 | Reconciled Negotiable |
| | | INC NOSSAMAN LLP | 87,323.74 | 23-AUG-17 | 87,323.74 17,528.64 | Reconciled |
| 379621 379622 | | OLIN CORPORATION | 17,528.64 167.47 | 24-AUG-17 | 17,528.64 167.47 | Reconciled Reconciled |
| 379623 379624 | | DISTRIBUTORS LLC ORANGE COUNTY AUTO | 652.69 | 21-AUG-17 | 652.69 | Reconciled |
| 379625 | | PARTS CO ORANGE COUNTY FIRE | 418.00 | 21-AUG-17 | 418.00 | Reconciled |
| 379626 | 17-AUG-17 | AUTHORITY | 20,590.00 | 22-AUG-17 | 20,590.00 | Reconciled |
| 379627 | | TECHNICAL LLC PACIFIC COAST TOOL | 1,005.03 | 21-AUG-17 | 1,005.03 | Reconciled |
| 379628 | | & SUPPLY PACIFIC GAS AND | 168.64 | 21-AUG-17 | 168,64 | Reconciled |
| 379629 | | ELECTRIC COMPANY PACIFIC PARTS & | 2,970.41 | 22-AUG-17 | 2,970.41 | Reconciled |
| 379630 | | CONTROLS INC PALOMA SUMMIT | 15,671.27 | | | Reconciled |
| 379631 | 17-AUG-17 | PARKHOUSE TIRE INC PASCAL & LUDWIG | 435.59 31,857.40 | | 435.59 31,857.40 | Reconciled Reconciled |
| 379632 379633 | | CONSTRUCTORS PASCAL & LUDWIG | 605,290.60 | 23-AUG-17 | | Reconciled |
| 379634 | 17-AUG-17 | CONSTRUCTORS | 1,300.00 | | | Negotiable |
| 379635 | 17-AUG-17 | PERKINELMER HEALTH SCIENCES INC | 39, 456, 36 | 24-AUG-17 | 39,456.36 | Reconciled |
| 379636 | 17-AUG-17 | PINNACLE TOWERS | 692.68 | 22-AUG-17 | 692,68 | Reconciled |
| IRWD Ledger Upgrade BANK: Bank of America N.A Bank Account Currenc Payment Type: All | | h : Los Angeles | ster For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add | ing AP and PF ency: USD (| | |
| Payment Number Sequence N | lum Date | Supplier Name Sit | e Payment Amount | | Cleared Amount | Status |
| Payment Document : IRWD | | | | | | |
| 379637 | 17-AUG-17 | PRADO, CHRISTINA | 183.17 | 29-AUG-17 | 183.17 | Reconciled |
| 379638 | 17-AUG-17 | DISTRIBUTION INC | 495,14 | 22-AUG-17 | 495.14 | Reconciled |
| 379639 | | PRO MOBILE AUTO DETAILING | 650.00 | 21-AUG-17 | 650.00 5,103.29 | Reconciled Reconciled |
| 379640 | 17-AUG-17 | PRUDENTIAL OVERALL SUPPLY | 5,103.29 | 21-AUG-17 | 10,057.86 | Reconciled |
| 379641 379642 | 17-AUG-17 17-AUG-17 | QUICKEL PAVING INC | 10,057.86 2,995.00 | 24-AUG-17 21-AUG-17 | 2,995,00 | Reconciled |
| 379643 | | QUINCY COMPRESSOR LLC | 2,860.66 | 24-AUG-17 | 2,860.66 | Reconciled |
| 379644 379645 | 17-AUG-17 17-AUG-17 | | 6,581.32 3,045.00 | 21-AUG-17 22-AUG-17 | 6,581.32 3,045.00 | Reconciled Reconciled |
| 379646 | 17-AUG-17 | | 17.64 | | | Negotiable |
| | | APTS | | | | |

| 379647 | 17-AUG-17 | RED WING SHOE | | 137.91 | 21-AUG-17 | 137,91 | Reconciled |
|-----------------------------|--------------|-----------------------------|-------|-----------------|------------|--|--------------|
| 0,301. | | STORE | | | | | |
| 379648 | 17-AUG-17 | RED WING SHOE | | 718.94 | 21-AUG-17 | 718.94 | Reconciled |
| | | STORE | | 159.81 | 21-AUG-17 | 159.81 | Reconciled |
| 379649 | 17-AUG-17 | REFRIGERATION SUPPLIES | | 139.01 | 21-A0G-17 | 159.01 | Reconciled |
| | | DISTRIBUTOR | | | | | |
| 379650 | 17-AUG-17 | RELIANCE SAFETY | | 1,450,00 | 25-AUG-17 | 1,450.00 | Reconciled |
| | | CONSULTANTS, INC. | | | | 10.00 | |
| 379651 | | ROBERTS, ERIC | | 12,75 | 23-AUG-17 | 12,75 | Reconciled |
| 379652 | 17-AUG-17 | ROYAL WHOLESALE | | 11,490.14 | 23-AUG-17 | 11,490.14 | Reconciled |
| 20000 | 17 200 17 | ELECTRIC SADDLEBACK GOLF | | 9,966,88 | 21-AUG-17 | 9,966.88 | Reconciled |
| 379653 | 17-AUG-17 | CARS | | 5/300,00 | 21 1100 17 | 3,500,00 | 110001101-11 |
| 379654 | 17-AUG-17 | SAN CARLOS | | 28.58 | | | Negotiable |
| | | APARTMENTS | | | | | |
| 379655 | | SAN REMO APTS | | 39.22 | | 504.00 | Negotiable |
| 379656 | 17-AUG-17 | | | 504,89 | 21-AUG-17 | 504.89 | Reconciled |
| | | CONSTRUCTION SERVICES | | | | | |
| 379657 | 17-NIG-17 | SANTA ANA BLUE | | 249.93 | 22-AUG-17 | 249,93 | Reconciled |
| 3/903/ | 17 AUG 17 | PRINT | | | | | |
| 379658 | 17-AUG-17 | SANTA MARGARITA | | 610.28 | 21-AUG-17 | 610,28 | Reconciled |
| | | FORD | | | | 0.500.44 | |
| 379659 | 17-AUG-17 | SEALS WEST PACKING | | 3,502.41 | 21-AUG-17 | 3,502.41 | Reconciled |
| 0.000.000 | 17 117 17 | CO. SEFERIAN, KATHLEEN | | 51.17 | 21-AUG-17 | 51.17 | Reconciled |
| 379660 379661 | | SEPARATION | | | 21-AUG-17 | 2,887.25 | Reconciled |
| 3/9001 | 17 A00 17 | PROCESSES INC | | • | | | |
| IRWD Ledger Upgrade | | Payment | | | | Report Date: 01- | |
| BANK: Bank of America N.A. | Branc | h : Los Angeles | | Account; Check: | | | 50 |
| Bank Account Currency | : USD (US I | Oollar) | | Payment Curre | | US Dollar) | |
| Payment Type: All | | | Displ | ay Supplier Add | ress: No | | |
| | | | | | Cleared | | |
| Payment Number Sequence Num | n Date | Supplier Name | Site | Payment Amount | Date | Cleared Amount | Status |
| Payment Number Sequence Num | | | | | | $\omega_1(\omega_1(\omega_1)) = \omega_1(\omega_1(\omega_1)) + \omega_2(\omega_2(\omega_2)) + \omega_2(\omega_2(\omega_2)$ | ********** |
| Payment Document : IRWD C | | | | | | | |

| ayment Number Sequence Num | Date | Supplier Name Site | Payment Amount | Cleared Date | Cleared Amount | Stat |
|-----------------------------|------------|--|----------------------------------|------------------------|------------------|------------------------|
| | | | | | ****** | |
| Payment Document : IRWD CHI | SCK | | | | | |
| 379662 | 17-AUG-17 | SHERWIN WILLIAMS | 452.55 | 28-AUG-17 | 452.55 | Reconciled |
| 379663 | 17-AUG-17 | SITMATIC | 709.78 | 21-AUG-17 | 709.78 | Reconciled |
| 379664 | 17-AUG-17 | SOCAL REMOVAL | 11,481.46 | | 11,481.46 | Reconciled |
| 379665 | 17-AUG-17 | SOUTH COAST ANSWERING SERVICE | 548.88 | 21-AUG-17 | 540.88 | Reconciled |
| 379666 | 17-AUG-17 | SOUTH COAST WATER | 151,66 | 25-AUG-17 | 151.66 | Reconciled |
| 379667 | 17-AUG-17 | SOUTHERN CALIFORNIA EDISON COMPANY | 36, 657, 52 | | 36,657.52 | Reconciled |
| 379668 | 17-AUG-17 | SOUTHERN COUNTIES LUBRICANTS LLC | 1,493.96 | | 1,493.96 | Reconcile |
| 179669 | 17-AUG-17 | SPX CORP | 1,504.39 | 22-AUG-17 | | Reconcile |
| 179670 | 17-AUG-17 | STANTEC CONSULTING SERVICES INC. | 3,969,00 | 22-AUG-17 | 3,969.00 | Reconcile |
| 379671 | 17-AUG-17 | STERIS CORPORATION | 154.43 | 21-AUG-17 | 154.43 | Reconcile |
| 379672 | 17-AUG-17 | SURF CITY OPTOMETRY | 225.00 | 28-AUG-17 | 225,00 | Reconcile |
| 79673 | 17-AUG-17 | INSTRUMENTS, INC. | 77, 58 | 22-AUG-17 | 77.58 | Reconcile |
| 79674 | 17-AUG-17 | TESTAMERICA LABORATORIES, INC | 192.15 | 22-AUG-17 | 192.15 | Reconcile |
| 179675 | | TETRA TECH, INC | 14,072.50 | | 14,072.50 | Reconcile |
| 79676 | | THE FURMAN GROUP, INC. | 12,540.00 | 24-AUG-17 | | Reconcile |
| 79677 | | THE GAS COMPANY | 671.15 | 25-AUG-17 | 671,15 | Reconcile |
| 79678 | | THOMAS HARDER & CO | 1,745.00 | | | Negotiabl Negotiabl |
| 79679 | | TIC-RETAIL PROPERTIES | 416,21 | | 060 55 | Reconcile |
| 79680 | | TIC-SPECTRUM OFFICE | 260.55 | | | Reconcile |
| 79681 | | TROPICAL PLAZA NURSERY INC | 6,208.23 | | 6,208.23 | Reconcile |
| 79682 | | TRUCPARCO | 543. 45 250. 93 | 22-AUG-17 24-AUG-17 | 543.45 250.93 | Reconcile |
| 79683 | | ULINE INC | 279.30 | 23-AUG-17 | 279.30 | Reconcile |
| 79684 | | ULTRA SCIENTIFIC | 120.91 | 21-AUG-17 | 120.91 | Reconcile |
| 79685 | | UNITED PARCEL SERVICE INC | 478.06 | 22-AUG-17 | 478.06 | Reconcile |
| 79686 | | UNITED SITE SERVICES OF CALIFORNIA INC | | | | |
| 79687 | | OFFICE | 25,000.00 | | 25,000.00 | Reconcile |
| 179688 | 17-AUG-17 | USA BLUEBOOK | 336.18 | 24-AUG-17 | 336.18 | Reconcile |
| | | | er For 01-AUG-17 To | 31-AUG-17 | Report Date: 01 | -SEP-2017 1 |
| BANK: Bank of America N.A. | Brand | ch : Los Angeles | Account: Check | ing AP and PR | Page: | 21 |
| Bank Account Currency: | USD (US I | Oliar) | rayment curr | ency: oob (| US Dollar) | |
| Payment Type: All | | | Display Supplier Add | ress: No | | |

Payment Number Sequence Num Date
Payment Document : IRWD CHECK

Site

Cleared Payment Amount Date

Status

Cleared Amount

Supplier Name

| 379689 | 17-AUG-17 | UTILITY SYSTEMS SCIENCE & SOFTWARE | 6 | 3,630.00 | 23-AUG-17 | 3,630.00 | Reconciled |
|----------------------------|------------|---------------------------------------|-----------------|------------------|------------|------------------|----------------|
| | | INC. | | | | | |
| 379690 | 17-AUG-17 | | | 600.00 | 22-AUG-17 | 600.00 | Reconciled |
| | | CO INC | | | | | |
| 379691 | 17-AUG-17 | VULCAN MATERIALS COMPANY | | 1,424.00 | 21-AUG-17 | 1,424.00 | Reconciled |
| 379692 | 17-AUG-17 | WATERLINE | | 2,840,00 | 21-AUG-17 | 2,840.00 | Reconciled |
| | | TECHNOLOGIES INC | | 1,250.00 | 21-AUG-17 | 1,250.00 | Reconciled |
| 379693 | 17-AUG-17 | CONSULTING, INC. | | , | | , | |
| 379694 | 17-AUG-17 | WAXIE'S ENTERPRISES, INC | | 265.18 | 21-AUG-17 | 265.18 | Reconciled |
| 379695 | 17-AUG-17 | WECK LABORATORIES | | 115.00 | 23-AUG-17 | 115.00 | Reconciled |
| | | INC | | 474 04 | | | Voided |
| 379696 | 17-AUG-17 | | | 474.84 | | | volded |
| | | AMBER | | 18,44 | | | Negotiable |
| 379697 | | YANG, MENGJIA | | 55.90 | 21-AUG-17 | 55.90 | Reconciled |
| 379698 | | YONG, KENNEY | | | | | |
| 379699 | 17-AUG-17 | | | 125.00 | 22-AUG-17 | 125.00 | Reconciled |
| 379700 | 17-AUG-17 | YSI, INC | | 1,072.67 | 22-AUG-17 | 1,072.67 | Reconciled |
| 379701 | 17-AUG-17 | ZEE MEDICAL SERVICE CO | | 372.03 | 21-AUG-17 | 372.03 | Reconciled |
| 379702 | 17-AUG-17 | | | 496.62 | 24-AUG-17 | 496.62 | Reconciled |
| | | | ODBNICE | 474.84 | 21 1100 11 | 130.02 | Negotiable |
| 379703 | 17-AUG-17 | AMBER | | | | | |
| 379704 | 18-AUG-17 | IRWD EMPLOYEE ASSOCIATION | 15600 SC | 1,355.00 | | | Negotiable |
| 379705 | 18-AUG-17 | PERS LONG TERM | PASADENA | 878.66 | 23-AUG-17 | 878.66 | Reconciled |
| | 40 4440 47 | CARE | 4.001 | 62,50 | 25-AUG-17 | 62.50 | Reconciled |
| 379706 | 18-AUG-17 | ORANGE COUNTY | 4601 | 62.30 | 23-A0G-17 | 02.50 | Reconcited |
| | | SHERIFF'S OFFICE | JAMBOREE | 422 62 | 04 7770 77 | 422 62 | Reconciled |
| 379707 | | CLEARINGHOUSE | PHOENIX | 477.67 | 24-AUG-17 | 477.67 | |
| 379708 | 18-AUG-17 | COLONIAL LIFE & ACCIDENT INSURANCE | COLUMBIA | 1,336.20 | 24-AUG-17 | 1,336.20 | Reconciled |
| | | CO. | - | | | | |
| 379709 | 18-AUG-17 | | PO BOX | 1,336.14 | 29-AUG-17 | 1,336.14 | Reconciled |
| 379709 | 10-AUG-17 | | 2629 | 1,330,14 | 25 1100 17 | 1,000111 | 110001102200 |
| | | SERVICES INC | | 112,48 | 25-AUG-17 | 112.48 | Reconciled |
| 379710 | 18-AUG-17 | | | 112.40 | 23-AUG-17 | 112.40 | Reconciled |
| | | ACCIDENT INSURANCE | 5 | | | | |
| | | COMPANY | | | | | |
| 379711 | 18-AUG-17 | AFLAC | 1932 | 6,764.70 | 24-AUG-17 | 6,764.70 | Reconciled |
| | | | WYNNTON RD | | | 0.00 1.0 | n 13 1 |
| 379712 | 18-AUG-17 | AFLAC | PO BOX 84069 | 203.12 | 24-AUG-17 | 203.12 | Reconciled |
| IRWD Ledger Upgrade | | Payment | | 01-AUG-17 To | 31-AUG-17 | Report Date: 01- | SEP-2017 10:09 |
| BANK: Bank of America N.A. | Branc | h : Los Angeles | | Account: Checki | | Page: 2 | |
| Bank Account Currency: | | | | Payment Curre | | | |
| | 09D (08 D | OTTOT) | Diani | av Supplier Addr | | o souther , | |
| Payment Type: All | | | htshi | al nabbiter waar | | | |

Cleared Amount Status Payment Number Sequence Num Date Supplier Name Payment Amount Date Payment Document : IRWD CHECK 10,405.32 23-AUG-17 10,405.32 Reconciled 379713 18-AUG-17 EMPLOYMENT SACRAMENTO DEVELOPMENT DEPARTMENT 379714 18-AUG-17 STATE BOARD OF SACRAMENTO 1,486.00 23-AUG-17 1,486.00 Reconciled EQUALIZATION 18-AUG-17 Riddle, Rosemary THOME 9,789.30 Voided 379715 SUKLE ADVERTISING PURCHASE 120,600.00 28-AUG-17 120,600.00 Reconciled 23-AUG-17 379716 SUKLE ADVERTISING PURCHASE 295,000,20 28-AUG-17 295,000.20 Reconciled 379717 23-AUG-17 INC. Reconciled 530.00 CITY OF IRVINE 530.00 25-AUG-17 379718 24-AUG-17 IRVINE 1 Negotiable CITY OF LAKE 600.00 25550 379719 24-AUG-17 FOREST COMMERCEN 178.71 31-AUG-17 178.71 Reconciled 379720 24-AUG-17 Bennett, Ray R (Ray) Negotiable 379721 24-AUG-17 Cascelli, Craig M 260.00 (Craig) Cortez, Malcolm A Negotiable 171.21 379722 24-AUG-17 (Malcolm) Leal, Eliberto (Eliberto) 260.00 Negotiable 24-AUG-17 379723 Negotiable 24-AUG-17 Lewis, Lyndy R 379724 24-AUG-17 Lum, Christopher A Negotiable 379725 (Christopher)
Malloy, Steven L 24-AUG-17 30.00 29-AUG-17 30.00 Reconciled 379726 85.00 Reconciled McElroy, Dorien Moeder, Jacob J 85.00 28-AUG-17 379727 24-AUG-17 24-AUG-17 502.81 Negotiable 379728 (Jacob) 29-AUG-17 130.41 Reconciled 24-AUG-17 Nash, Joel Oldewage, Lars D 379729 107.84 28-AUG-17 107.84 Reconciled 379730 (Lars) 379731 24-AUG-17 Parsons, Sheryl 125.00 31-AUG-17 125.00 Reconciled Negotiable 379732 24-AUG-17 Perez, Cesar 275.00 (Cesar) Negotiable 95.00 379733 24-AUG-17 Solis, Henry

| | | | (Henry) | | | | | |
|--|--------------|------------------------|---|------|--|--------------------------------|--------------------|--------------------------|
| 379734 379735 | | 24-AUG-17 24-AUG-17 | | | 1,277.04 65.95 | 24-AUG-17 | 65.95 | Negotiable Reconciled |
| 379736 379737 | | 24-AUG-17 24-AUG-17 | 36 SOUTH SUR LLC A&A WIPING CLOTH | | 262.31 1,249,90 | | | Negotiable Negotiable |
| 379738 | | 24-AUG-17 | CO ACC CONSTRUCTION, | | 1,011,52 | | | Negotiable |
| IRWD Ledger Upgr BANK: Bank of A Bank Accou Payment | | Branc USD (US D | INC. Payment h : Los Angeles ollar) | - | 2 ((2) -1-1 | ND ND | | |
| Payment Number | Sequence Num | Date | Supplier Name | Site | Payment Amount | Cleared Date | Cleared Amount | Status |
| Payment Docume | | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | |
| 3 7 9739 | | 24-AUG-17 | ACE STAINLESS SUPPLY | | 370.54 | | | Negotiable |
| 379740 | | 24-AUG-17 | ACI | | 2,069,65 624.95 | 30-AUG-17 30-AUG-17 | 2,069.65 624.95 | Reconciled Reconciled |
| 379741 379742 | | | AIRGAS, INC. ALEXANDER'S CONTRACT SERVICES, INC. | | 250.00 | 31-AUG-17 | 250.00 | Reconciled |
| 379743 | | 24-AUG-17 | ALLIANCE AG | | 3,000.00 | | | Negotiable |
| 379744 | | 24-AUG-17 | | | 1,124.47 | | | Negotiable |
| 379745 | | 24-AUG-17 | INDUSTRIES, INC AMAZON CAPITAL | | 1,095.00 | 31-AUG-17 | 1,095.00 | Reconciled |
| 379746 | | 24-AUG-17 | SERVICES, INC. ANDERSONPENNA | | 3,894.00 | 29-AUG-17 | 3,894.00 | Reconciled |
| 379747 | | 24-AUG-17 | PARTNERS, INC. APEX LIFE | | 4,427.50 | | | Negotiable |
| 379748 | | | SCIENCES, LLC ARCADIS U.S., INC. | | 102,723.40 | | | Negotiable |
| 379749 379750 | | | ARCHITERRA INC. ARIZONA INSTRUMENT | | 2,816.00 187.38 | 30-AUG-17 30-AUG-17 | 2,816.00 187.38 | Reconciled Reconciled |
| 379751 379752 | | 24-AUG-17 24-AUG-17 | LLC AT&T AUTOZONE PARTS, | | 6,109.94 198.86 | | | Negotiable Negotiable |
| 379753 | | 24-AUG-17 | INC. BAKER RANCH | | 1,006.38 | | | Negotiable |
| | | | COMMUNITY ASSOCIATION | | | | | |
| 379754 | | 24-AUG-17 | BANK OF NEW YORK MELLON TRUST COMPANY NA | | 1,186.00 | 31-AUG-17 | 1,186.00 | Reconciled |
| 379755 | | 24-AUG-17 | BATTERIES PLUS AND BATTERIES PLUS BULBS | | 1,954.67 | 31-AUG-17 | 1,954.67 | Reconciled |
| 379756 | | 24-AUG-17 | BEE EMERGENCY RESPONSE TEAM | | 175.00 | 31-AUG-17 | 175.00 | Reconciled |
| 379757 | | 24-AUG-17 | BEST MANAGEMENT CONSTRUCTION, INC. | | 798.76 | 29-AUG-17 | 798.76 | Reconciled |
| 379758 | | 24-AUG-17 | BILL'S SWEEPING SERVICE INC | | 460.00 | | | Negotiable |
| 379759 | | 24-AUG-17 | | | 17,813.34 892.88 | 31-AUG-17 | 17,813.34 | Reconciled Negotiable |
| 379760 379761 | | | BUSH & ASSOCIATES | | 1,984.00 | | | Negotiable |
| 379762 | | 24-AUG-17 | C WELLS PIPELINE | | 20,024.27 | | | Negotiable |
| Bank Accou | | Brand USD (US I | h : Los Angeles | | 01-AUG-17 To Account: Check Payment Curr Lay Supplier Add | ing AP and PR ency: USD (L | | SEP-2017 10:09 4 |
| | | | | | | Cleared | | |
| Payment Number | Sequence Num | Date | Supplier Name | Site | Payment Amount | Date | Cleared Amount | Status |
| Payment Docume | | | | | | | | |
| 379763 | | 24-AUG-17 | CABELA'S MARKETING | | 68.51 | 31-AUG-17 | 68.51 | Reconciled |
| 379764 379765 | | | MANAGEMENT INC CALATLANTIC HOMES CALIFORNIA BARRICADE RENTAL, | | 297.86 8,725.00 | 29-AUG-17 | 8,725.00 | Negotiable Reconciled |
| 379766 | | 24-AUG-17 | INC. CALIFORNIA STATE UNIVERSITY, | | 4,200.00 | | | Negotiable |
| 379767 | | 24-AUG-17 | FULLERTON CANON FINANCIAL | | 8,091.14 | | | Negotiable |
| 379768 | | 24-AUG-17 | SERVICES, INC CAROLLO ENGINEERS, | | 1,211.85 | | | Negotiable |
| 379769 379770 | | | INC CDW GOVERNMENT LLC CHEM TECH | | 278.25 19,697.79 | | | Negotiable Negotiable |
| 379771 | | | INTERNATIONAL INC | | 8.71 | 00 377- 17 | | Negotiable |
| 379772 | | 24-AUG-17 | CITY OF NEWPORT | | 1,174.80 | 30-AUG-17 | 1,174.80 | Reconciled |

| | | DOMAN | | | | |
|---|--|--|---|---|--|---|
| 379773 | 24-AUG-17 | BEACH COASTLINE EQUIPMENT COMPANY | 534.23 | 30-AUG-17 | 534.23 | Reconciled |
| 379774 | 24-AUG-17 | COUNTY OF ORANGE | 3,223.90 | 29-AUG-17 | 3,223.90 | Reconciled |
| 379775 | 24-AUG-17 | | 3,250.01 | 31-AUG-17 | 3,250.01 | Reconciled |
| | | INC. | | | | |
| 379776 | 24-AUG-17 | CULLIGAN OF SANTA | 2,005.70 | 31-AUG-17 | 2,005.70 | Reconciled |
| 379777 | 24-AUG-17 | D & G SIGNS | 1,506,38 | | | Negotiable |
| 379778 | 24-AUG-17 | DATA CLEAN CORPORATION | 534,00 | | | Negotiable |
| 79779 | 24-AUG-17 | DATAGEAR, INC. | 399,42 | | | Negotiable |
| 79780 | 24-AUG-17 | DDB ENGINEERING, | 24,000,00 | 30-AUG-17 | 24,000.00 | Reconciled |
| 379781 | 24-AUG-17 | INC. DEE JASPAR & | 42,073,26 | 31-AUG-17 | 42,073,26 | Reconciled |
| | | ASSOCIATES, INC. | 121.98 | | | Negotiable |
| 79782 179783 | | DIRECTV INC DISCLOSURE SOURCE | 250.00 | | | Negotiable |
| 79784 | | DPR CONSTRUCTION | 3,209.66 31,56 | | | Negotiable Negotiable |
| 379785 379786 | | DUNCAN, CHRIS EAGLE AERIAL | 48,325.20 | | | Negotiable |
| | 04 7110 17 | PHOTOGRAPHY, INC. | 1,885.00 | 30-AUG-17 | 1,885.00 | Reconciled |
| 79787 | 24-AUG-17 | INTERNATIONAL, INC | 1,003.00 | 30 1100 17 | | |
| 79788 | 24-AUG-17 | EMPLOYEE BENEFIT | 1,250.00 | 31-AUG-17 | 1,250.00 | Reconciled |
| WD Ledger Upgrade | | SPECIALIST, INC | Register For 01-AUG-17 To | 31-AUG-17 | Report Date: 01- | |
| BANK: Bank of America N.A. | Branc | h : Los Angeles | Account: Checki | ng AP and PR ncy: USD (US | | 5 |
| Bank Account Currency: Payment Type: All | USD (US D | ollar) | Display Supplier Addr | | , DOITAL / | |
| rayment Type, All | | | | | | |
| | | | | Cleared | | |
| yment Number Sequence Num | Date | Supplier Name | Site Payment Amount | | Cleared Amount | Status |
| Payment Document : IRWD CH | | ***************** | ********* | | | |
| Payment Document . INVD Ch | | | 0.604.75 | | | Negotiable |
| 379789 | 24-AUG-17 | ENVIRONMENTAL SCIENCE ASSOCIATES | 9,684.75 | | | Negotiable |
| 179790 | | EVANS-HYDRO INC | 46,822.08 | 01 7775 17 | 1,567.69 | Negotiable |
| 379791 | 24-AUG-17 | EVERGREEN INVESTMENT | 1,567.69 | 31-AUG-17 | 1,567.69 | Reconciled |
| | | CAPITAL, LLC | | | *00.00 | D |
| 79792 | 24-AUG-17 | EXECUTIVE LIGHTING & ELECTRIC | 490.02 | 30-AUG-17 | 490.02 | Reconciled |
| 79793 | 24-AUG-17 | FALBER, JAN | 15.20 | | 0.40 | Negotiable |
| 179794 | 24-AUG-17 | FARRELL & | 243.18 | 30-AUG-17 | 243.18 | Reconciled |
| 79795 | 24-AUG-17 | ASSOCIATES FARZAM, FARZAD | 15.33 | 31-AUG-17 | 15,33 | Reconciled |
| 79796 | | FINK, SAMANTHA | 2,601.46 18,345.83 | 30-AUG-17 | 18,345.83 | Negotiable Reconciled |
| 179797 179798 | 24-AUG-17 24-AUG-17 | FISHER SCIENTIFIC | 2,161.23 | 30-AUG-17 | 2,161.23 | Reconciled |
| | | COMPANY LLC | 310.31 | | | Negotiable |
| 379799 | 24-AUG-17 | CALIFORNIA INC. | 310.31 | | | |
| 379800 | 24-AUG-17 | | 7,709.44 | 29-AUG-17 | 7,709.44 | Reconciled |
| 379801 | 24-AUG-17 | ENGINEERING, INC. GANAHL LUMBER CO. | 35.58 | | | Negotiable |
| 79802 | | GENERAL PUMP | 36,010,85 | 31-AUG-17 | 36,010.85 | Reconciled |
| 379803 | 24-AUG-17 | COMPANY INC GEORGE HILLS | 561,00 | | | Negotiable |
| | | COMPANY, INC. | 280.76 | | | Negotiable |
| 379804 | 24-AUG-17 | GRAINGER | | | 5,926.93 | Reconciled |
| 70005 | 24-BIIG-17 | GRAYBAR ELECTRIC | 5,926.93 | 30-AUG-17 | | Kecouctie |
| 379805 | | GRAYBAR ELECTRIC COMPANY | | | | |
| | | COMPANY HAAKER EQUIPMENT | 13,403.84 | 30-AUG-17 31-AUG-17 | 13,403.84 | Reconciled |
| 379806 | 24-AUG-17 | COMPANY | 13,403.84 5,057.69 | 31-AUG-17 | 13,403.84 | Reconciled Negotiable |
| 379806 379807 | 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON | 13,403.84 | | 13,403.84 | Reconciled |
| 379806 379807 | 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY | 13,403.84 5,057.69 4,127.49 | 31-AUG-17 | 13,403.84 | Reconciled Negotiable Reconciled |
| 379806 379807 379808 | 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARCH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING | 13,403.84 5,057.69 | 31-AUG-17 | 13,403.84 | Reconciled Negotiable |
| 379806 379807 379808 379809 | 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC | 13,403.84 5,057.69 4,127.49 71,771.29 | 31-AUG-17 | 13,403.84 | Reconciled Negotiable Reconciled |
| 379806 379807 379808 379809 | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC HELPMATES STAFFING SERVICES | 13,403.84 5,057.69 4,127.49 71,771.29 20,237.28 | 31-AUG-17 | 13,403.84 | Reconciled Negotiable Reconciled Negotiable Reconciled |
| 379806 379807 379808 379809 | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC HELPMATES STAFFING SERVICES SERVICES HILL BROTHERS | 13,403.84 5,057.69 4,127.49 71,771.29 | 31-AUG-17 | 13,403.84 | Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable |
| 379806 379807 379808 379809 379810 379811 | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC HELPMATES STAFFING SERVICES HILL BROTHERS CHEMICAL COMPANY HOME DEPOT USA INC | 13,403.84 5,057.69 4,127.49 71,771.29 20,237.28 6,597.09 683.25 | 31-AUG-17 | 13,403.84 | Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable |
| 379806 379807 379808 379809 379810 379811 | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC HELPMATES STAFFING SERVICES HILL BROTHERS CHEMICAL COMPANY HOME DEPOT USA INC | 13,403.84 5,057.69 4,127.49 71,771.29 20,237.28 6,597.09 | 31-AUG-17 | 13,403.84 | Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable |
| 379806 379807 379808 379809 379810 379811 379812 | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC HELPMATES STAFFING SERVICES HILL BROTHERS CHEMICAL COMPANY HOME DEPOT USA INC | 13,403.84 5,057.69 4,127.49 71,771.29 20,237.28 6,597.09 683.25 9,822.20 925.00 | 31-AUG-17 30-AUG-17 30-AUG-17 | 13,403.84 4,127.49 20,237.28 | Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable Negotiable Negotiable Negotiable |
| 379806 379807 379808 379809 379810 379811 379812 379813 | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC HELPMATES STAFFING SERVICES CHEMICAL COMPANY HOME DEPOT USA INC HOPKINS TECHNICAL PRODUCTS INC IBM CORPORATION IDEXX | 13,403.84 5,057.69 4,127.49 71,771.29 20,237.28 6,597.09 683.25 9,822.20 | 31-AUG-17 30-AUG-17 30-AUG-17 | 13,403.84 4,127.49 20,237.28 | Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable Negotiable Negotiable Negotiable |
| 379806 379808 379809 379810 379811 379812 379813 379814 379815 | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC HELPMATES STAFFING SERVICES HILL BROTHERS CHEMICAL COMPANY HOME DEPOT USA INC HOPKINS TECHNICAL PRODUCTS INC IBM CORPORATION IDEXX DISTRIBUTION, INC PAUMENT | 13,403.84 5,057.69 4,127.49 71,771.29 20,237.28 6,597.09 683.25 9,822.20 925.00 1,593.03 Register For 01-AUG-17 To | 31-AUG-17 30-AUG-17 31-AUG-17 31-AUG-17 | 1,593.03 Report Date: 01- | Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable Negotiable Negotiable Reconciled Reconciled |
| 379806 379807 379808 379809 379810 379811 379812 379813 379814 379815 RWD Ledger Upgrade BANK: Bank of America N.A. | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC HELPMATES STAFFING SERVICES CHEMICAL COMPANY HOME DEPOT USA INC HOPKINS TECHNICAL PRODUCTS INC IBM CORPORATION LDEXX DISTRIBUTION, INC PAYMENT Ch : Los Angeles | 13,403.84 5,057.69 4,127.49 71,771.29 20,237.28 6,597.09 683.25 9,822.20 925.00 1,593.03 Register For 01-AUG-17 To Account: Check | 31-AUG-17 30-AUG-17 31-AUG-17 ing AP and PR | 13,403.84 4,127.49 20,237.28 1,593.03 Report Date: 01-Page: 2 | Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable Negotiable Negotiable Reconciled |
| 379806 379808 379809 379810 379812 379813 379814 379815 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC HELPMATES STAFFING SERVICES CHEMICAL COMPANY HOME DEPOT USA INC HOPKINS TECHNICAL PRODUCTS INC IBM CORPORATION LDEXX DISTRIBUTION, INC PAYMENT Ch : Los Angeles | 13,403.84 5,057.69 4,127.49 71,771.29 20,237.28 6,597.09 683.25 9,822.20 925.00 1,593.03 Register For 01-AUG-17 To Account: Check | 31-AUG-17 30-AUG-17 31-AUG-17 ing AP and PR ency: USD (Us | 13,403.84 4,127.49 20,237.28 1,593.03 Report Date: 01-Page: 2 | Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable Negotiable Negotiable Reconciled Reconciled |
| 379806 379807 379808 379809 379810 379811 379812 379813 379814 379815 RWD Ledger Upgrade BANK: Bank of America N.A. | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC HELPMATES STAFFING SERVICES CHEMICAL COMPANY HOME DEPOT USA INC HOPKINS TECHNICAL PRODUCTS INC IBM CORPORATION LDEXX DISTRIBUTION, INC PAYMENT Ch : Los Angeles | 13,403.84 5,057.69 4,127.49 71,771.29 20,237.28 6,597.09 683.25 9,822.20 925.00 1,593.03 Register For 01-AUG-17 To Account: Check Payment Curr | 31-AUG-17 30-AUG-17 31-AUG-17 ing AP and PR ency: USD (Us | 13,403.84 4,127.49 20,237.28 1,593.03 Report Date: 01-Page: 2 | Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable Negotiable Negotiable Reconciled Reconciled |
| 379806 379808 379809 379810 379812 379813 379814 379815 RWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARRINGTON INDUSTRIAL PLASTICS LLC HDR ENGINEERING INC HELPMATES STAFFING SERVICES CHEMICAL COMPANY HOME DEPOT USA INC HOPKINS TECHNICAL PRODUCTS INC IBM CORPORATION LDEXX DISTRIBUTION, INC PAYMENT Ch : Los Angeles | 13,403.84 5,057.69 4,127.49 71,771.29 20,237.28 6,597.09 683.25 9,822.20 925.00 1,593.03 Register For 01-AUG-17 To Account: Check Payment Curr | 31-AUG-17 30-AUG-17 31-AUG-17 ing AP and PR ency: USD (Us | 13,403.84 4,127.49 20,237.28 1,593.03 Report Date: 01-Page: 2 | Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable Negotiable Negotiable Reconciled Reconciled |
| Payment Type: All | 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 24-AUG-17 | COMPANY HAAKER EQUIPMENT COMPANY HACH COMPANY HARINGTON INDUSTRIAL PLASTICS LLC HOR ENGINEERING INC HELPMATES STAFFING SERVICES HILL BROTHERS CHEMICAL COMPANY HOME DEPOT USA INC HOPKINS TECHNICAL PRODUCTS INC IBM CORPORATION IDEXX DISTRIBUTION, INC Payment ch : Los Angeles Dollar) | 13,403.84 5,057.69 4,127.49 71,771.29 20,237.28 6,597.09 683.25 9,822.20 925.00 1,593.03 Register For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add | 31-AUG-17 30-AUG-17 31-AUG-17 ing AP and PR ency: USD (Usess: No | 13,403.84 4,127.49 20,237.28 1,593.03 Report Date: 01-Page: 2 | Reconciled Negotiable Reconciled Negotiable Reconciled Negotiable Negotiable Negotiable Reconciled Reconciled |

| 379816 | 24-AUG-17 | INDUSTRIAL | 1,930.31 | 31-AUG-17 | 1,930.31 | Reconciled |
|----------------------------|------------|------------------------------|----------------------|--------------|------------------|------------|
| 373010 | 27 1100 - | ELECTRIC MACHINERY | | | | |
| | | LLC | | | | |
| 379817 | 24-AUG-17 | INDUSTRIAL METAL | 829.04 | 31-AUG-17 | 829.04 | Reconciled |
| | | SUPPLY CO | | | | |
| 379818 | 24-AUG-17 | INTERNATIONAL E-Z | 654,69 | 30-AUG-17 | 654,69 | Reconciled |
| | | UP, INC. | | | | - (1) |
| 379819 | 24-AUG-17 | IRON MOUNTAIN | 1,409,60 | 30-AUG-17 | 1,409,60 | Reconciled |
| | | INFORMATION | | | | |
| | | MANAGEMENT INC | 00 415 10 | | | 37 |
| 379820 | 24-AUG-17 | IRVINE COMMUNITY | 33,416,10 | | | Negotiable |
| | | DEVELOPMENT | | | | |
| | | COMPANY LLC | 11.96 | 30-AUG-17 | 11.96 | Reconciled |
| 379821 | | IRVINE PACIFIC | 890,99 | 29-AUG-17 | 890.99 | Reconciled |
| 379822 | 24-AUG-17 | IRVINE PIPE & | 690,99 | 29-MUG-11 | 050.55 | Reconciled |
| | 04 700 17 | SUPPLY INC | 967.88 | 28-AUG-17 | 967.88 | Reconciled |
| 379823 | 24-AUG-17 | IRWD-PETTY CASH CUSTODIAN | 307.00 | 20 2100 17 | 30,400 | |
| 272224 | 24-AUG-17 | | 91,880.25 | 31-AUG-17 | 91,880.25 | Reconciled |
| 379824 379825 | 24-AUG-17 | | 142.51 | 30-AUG-17 | 142.51 | Reconciled |
| 3/9825 | 24-A0G-17 | SOLUTIONS INC. | | | | |
| 379826 | 24-AUG-17 | | 22,320.63 | | | Negotiable |
| 373020 | 24 1100 17 | COMPRESSORS, INC. | | | | |
| 379827 | 24-AUG-17 | KAYUGA SOLUTION | 6,080.00 | 31-AUG-17 | 6,080.00 | Reconciled |
| 373027 | | INC | | | | |
| 379828 | 24-AUG-17 | KB HOMES | 149,34 | | | Negotiable |
| 379829 | 24-AUG-17 | KILL-N-BUGS | 4,350.00 | 31-AUG-17 | 4,350.00 | Reconciled |
| | | TERMITE AND PEST | | | | |
| | 2.4 | CONTROL SERVICES | | | | |
| 379830 | | KLEINFELDER, INC. | 14,657.21 | | | Negotiable |
| 379831 | 24-AUG-17 | KOELLER NEBEKER | 1,600.00 | 29-AUG-17 | 1,600.00 | Reconciled |
| | | CARLSON & HALUCK, | | | | |
| | | LLP | 40.38 | | | Negotiable |
| 379832 | | KULKARNI, NISHAD | 5,601.96 | | | Negotiable |
| 379833 | 24-AUG-17 | LANDCARE HOLDINGS, | 3,001.90 | | | Negociaoic |
| 270024 | 04 200 17 | INC. LCS TECHNOLOGIES, | 1,620.00 | | | Negotiable |
| 379834 | 24-AUG-17 | INC. | 1,020100 | | | , |
| 379835 | 24-AUG-17 | | 702.20 | 30-AUG-17 | 702.20 | Reconciled |
| 379033 | AUG II | RESOURCES, LLC | | | | |
| 379836 | 24-AUG-17 | LUBRICATION | 1,430.06 | 31-AUG-17 | 1,430.06 | Reconciled |
| 373030 | 21 1100 27 | ENGINEERS, INC. | | | | |
| 379837 | 24-AUG-17 | LUCY PET PRODUCTS, | 1,053.37 | | | Negotiable |
| 3,300 | | LLC | | | | |
| 379838 | 24-AUG-17 | MAILFINANCE INC | 10,909.74 | | | Negotiable |
| 379839 | 24-AUG-17 | MARVIN GARDENS LLC | 2,593.70 | 24-AUG-17 | 2,593.70 | Reconciled |
| IRWD Ledger Upgrade | | Payment Registe | r For 01-AUG-17 To | 31-AUG-17 | Report Date: 01- | |
| BANK: Bank of America N.A. | | h : Los Angeles | Account: Check | | | 27 |
| Bank Account Currency: | USD (US D | ollar) | | ency: USD (U | S DOILar) | |
| Payment Type: All | | | Display Supplier Add | ress: No | | |
| | | | | | | |

| | | | | Cleared | | |
|----------------|---------------------|---|---------------------|-----------|----------------|------------|
| Payment Number | r Sequence Num Date | Supplier Name | Site Payment Amount | | Cleared Amount | Status |
| | | | | | | |
| Payment Doci | ument : IRWD CHECK | | | | | |
| 379840 | 24-AUG-17 | MC FADDEN-DALE INDUSTRIAL | 110.17 | 30-AUG-17 | 110.17 | Reconciled |
| 379841 | 24-AUG-17 | | 1,346.07 | | | Negotiable |
| 379842 | 24-AUG-17 | MEDORA CORPORATION | 22,534.00 | | | Negotiable |
| 379843 | 24-AUG-17 | MUROW CM | 500.00 | 29-AUG-17 | 500.00 | Reconciled |
| 379844 | 24-AUG-17 | | 1,124.38 | | | Negotiable |
| | | CONSTRUCTION INC | | | | |
| 379845 | 24-AUG-17 | CHAMBER OF | 1,000.00 | | | Negotiable |
| 379846 | 24-AUG-17 | COMMERCE NEWPORT WINDOW MAINTENANCE INC | 2,314.00 | | | Negotiable |
| 379847 | 24-AUG-17 | NINYO & MOORE | 6,379.25 | 30-AUG-17 | 6,379.25 | Reconciled |
| 379848 | 24-AUG-17 | | 11,652.08 | | | Negotiable |
| 379849 | 24-AUG-17 | | 637.00 | 31-AUG-17 | 637.00 | Reconciled |
| | | FISHBURN, LLP | | | | |
| 379850 | 24-AUG-17 | OMAR DANDASHI | 2,839.76 | | | Negotiable |
| 379851 | 24-AUG-17 | | 11,081.25 | 31-AUG-17 | 11,081.25 | Reconciled |
| | | DISTRIBUTORS LLC | 1 636 20 | 30-AUG-17 | 1,636.20 | Reconciled |
| 379852 | 24-AUG-17 | | 1,636.20 | 30-A0G-17 | 1,030.20 | Reconciled |
| | 24 17 | INC. | 345.57 | 30-AUG-17 | 345.57 | Reconciled |
| 379853 | 24-AUG-17 | ORANGE COUNTY AUTO PARTS CO | | 30 A00 17 | 343.37 | |
| 379854 | 24-AUG-17 | ORANGE COUNTY COASTKEEPER | 2,500.00 | | | Negotiable |
| 379855 | 24-AUG-17 | OWINGS, DONALD | 3.04 | | | Negotiable |
| 379856 | 24-AUG-17 | | 875,35 | 31-AUG-17 | 875.35 | Reconciled |
| 379857 | 24-AUG-17 | | 823.69 | 31-AUG-17 | 823.69 | Reconciled |
| 379858 | 24-AUG-17 | | 3,906.26 | 30-AUG-17 | 3,906.26 | Reconciled |
| 379859 | 24-AUG-17 | | 34.09 | | | Negotiable |
| | 24-AUG-17 | ' | | 30-AUG-17 | 868.00 | Reconciled |
| 379860 | 24-A0G-17 | SHAW PITTMAN LLP | 000100 | | | |
| 379861 | 24-AUG-17 | | 543.24 | 31-AUG-17 | 543.24 | Reconciled |
| 379862 | 24-AUG-17 | PLC ALTON | 1,210.74 | | | Negotiable |
| | | | | | | |

| 379863 | 24-AUG-17 | APARTMENTS, LLC PRO MOBILE AUTO | 900.00 | 31-AUG-17 | 900.00 | Reconciled |
|--|------------------------|--|---|------------------------------|------------------|--------------------------|
| 379864 | 24-AUG-17 | DETAILING PRUDENTIAL OVERALL | 347.84 | 30-AUG-17 | 347.84 | Reconciled |
| | 24-AUG-17 | SUPPLY PSOMAS | 18,416.28 25,47 | × | | Negotiable Negotiable |
| | 24-AUG-17 | QUAIL MEADOW APARTMENTS | | 21 NUC 17 | Report Date: 01- | |
| IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All | Branc USD (US D | h : Los Angeles | Register For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add | ing AP and P! ency: USD (| R Page: 2 | |
| Payment Number Sequence Num | Date | | Site Payment Amount | | Cleared Amount | Status |
| Payment Document : IRWD CHE | | | | | | |
| 379867 | 24-AUG-17 | R&B AUTOMATION, | 10,440.59 | | | Negotiable |
| 379868 | 24-AUG-17 | | 7,253.83 | 29-AUG-17 | 7,253.83 | Reconciled |
| 379869 | 24-AUG-17 | ENGINEERING INC RED WING SHOE | 836,48 | 30-AUG-17 | 836.48 | Reconciled |
| 379870 | 24-AUG-17 | STORE RELIANCE STANDARD | 26,916.36 | | | Negotiable |
| | | LIFE INSURANCE COMPANY | | | | |
| 379871 | 24-AUG-17 | RICHARD C. SLADE & ASSOCIATES LLC | 14,496.47 | | | Negotiable |
| 379872 | 24-AUG-17 | RMC WATER AND ENVIRONMENT | 6,157.50 | | | Negotiable |
| 379873 | 24-AUG-17 | RODRIGUEZ, STEPHANIE | 261,15 | | | Negotiable |
| 379874 | 24-AUG-17 | ROSEDALE - RIO BRAVO WATER STORAGE DISTRICT | 389,714.60 | | | Negotiable |
| 379875 | 24-AUG-17 | ROYAL WHOLESALE ELECTRIC | 4,820.42 | 30-AUG-17 | 4,820.42 | Reconciled |
| 379876 | 24-AUG-17 | SAN CARLO | 177.46 | | | Negotiable |
| 379877 | | APARTMENTS SAN MARCO APTS | 12.61 6.19 | | | Negotiable Negotiable |
| 379878 379879 | 24-AUG-17 | SANDBERG, PAT SANDERS PAVING INC | 50,352.00 | 31-AUG-17 | 50,352.00 | Reconciled |
| 379880 | 24-AUG-17 | SEAL ANALYTICAL INC | 10,290.00 | | | Negotiable |
| 379881 379882 | 24-AUG-17 24-AUG-17 | SENG, JULIA SHAMROCK SUPPLY CO INC | 113.85 3,854.31 | 31-AUG-17 | 3,854.31 | Negotiable Reconciled |
| 379883 379884 | | SIGMA-ALDRICH INC SITEONE LANDSCAPE SUPPLY, LLC | 94.85 42,909.32 | 31-AUG-17 | 94.85 | Reconciled Negotiable |
| 379885 379886 | | SOFTWAREONE INC SOUTH COAST AIR QUALITY MANAGEMENT | 4,985.00 1,517.22 | | | Negotiable Negotiable |
| 379887 | 24-AUG-17 | DISTRICT SOUTH COAST WATER | 102.99 | 29-AUG-17 | 102,99 | Reconciled |
| 379888 | 24-AUG-17 | CALIFORNIA EDISON | 7,749.99 | 30-AUG-17 | 7,749.99 | Reconciled |
| 379889 | 24-AUG-17 | CALIFORNIA EDISON | 15.98 | 31-AUG-17 | 15.98 | Reconciled |
| IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All | | h : Los Angeles | Register For 01-AUG-17 To Account: Check Payment Curr Display Supplier Add | ing AP and Plency: USD (| , | SEP-2017 10:0 |
| | | | | Cleared | | |
| Payment Number Sequence Num | Date | Supplier Name | Site Payment Amount | Date | Cleared Amount | Status |
| Payment Document : IRWD CHI | | | | | | |
| 379890 | 24-AUG-17 | SOUTHERN CALIFORNIA EDISON COMPANY | 874,521.83 | 28-AUG-17 | 874,521.83 | Reconciled |
| 379891 | 24-AUG-17 | SOUTHERN CALIFORNIA SECURITY CENTERS, | 35,56 | | | Negotiable |
| 379892 | 24-AUG-17 | INC. STANDARD REGISTER, | 2,517.67 | | | Negotiable |
| 379893 | 24-AUG-17 | INC. STANFORD COURT | 26.54 | | | Negotiable |
| 379894 | 24-AUG-17 | APARTMENTS STANTEC CONSULTING | 10,994.00 | | | Negotiable |
| 379895 | 24-AUG-17 | SERVICES INC. STRADLING YOCCA | 1,624.00 | 29-AUG-17 | 1,624.00 | Reconciled |
| | | CARLSON & RAUTH | 10,358.80 | | | Negotiable |
| 379896 | 24-AUG-17 | SUMMIT CHEMICAL | 10,550.00 | | | |
| 379896 379897 | | SUMMIT CHEMICAL SPECIALTY PRODUCTS TETRA TECH, INC | | 31-AUG-17 | 1,047.50 | Reconciled |

| 379899 | 24-AUG-17 | CALIFORNIA LLC TIC-IPG-COMMON | | 4.81 | | | Negotiable |
|--|------------------------|---|-------|---|-------------------------|---------------------------|--|
| 379900 | | TIC-SPECTRUM OFFICE | | 0.55 | | | Negotiable |
| 379901 | | TROPICAL PLAZA NURSERY INC | | 32,180.12 | 31-AUG-17 | 32,180.12 | Reconciled |
| 379902 379903 | | TRUCPARCO TURTLE ROCK RIDGE GARDEN HOA | | 99,24 1,372,16 | | | Negotiable Negotiable |
| 379904 379905 | 24-AUG-17 24-AUG-17 | UCT, LLC | | 390,48 3,391,48 | 31-AUG-17 | 46.17 | Negotiable Negotiable Reconciled |
| 379906 379907 | | SERVICE INC UNITED PARTITION | | 16,317.98 | 31 7,00 17 | ,. | Negotiable |
| 379908 | | SYSTEMS INC UNITED SITE | | 152.29 | 31-AUG-17 | 152.29 | Reconciled |
| | | SERVICES OF CALIFORNIA INC | | 1,264.93 | | | Negotiable |
| 379909 379910 | | USA BLUEBOOK VERTECH INDUSTRIAL SYSTEMS, LLC | | 13,378.71 | | | Negotiable |
| 379911 379912 | 24-AUG-17 24-AUG-17 | | | 63.57 1,344.64 | 31-AUG-17 | 1,344.64 | Negotiable Reconciled |
| 379913 | | LLC WALTERS WHOLESALE ELECTRIC | | 332.16 | 30-AUG-17 | 332.16 | Reconciled |
| IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All | Branc USD (US D | Payment h : Los Angeles ollar) | | For 01-AUG-17 To Account: Checki Payment Curre Display Supplier Addr | ng AP and I ncy: USD | PR Page: | -SEP-2017 10;09 30 |
| Payment Number Sequence Num | Date | Supplier Name | Site | Payment Amount | Cleared Date | Cleared Amount | |
| Payment Document : IRWD CH | | | | | **** | | |
| 379914 | 24-AUG-17 | WANG, MEI-HUI | | 69.96 | | | Negotiable |
| 379915 379916 | | WARE MALCOMB WATERSMART | | 237.67 13,597.50 | 29-AUG-17 31-AUG-17 | 237.67 13,597.50 | Reconciled Reconciled |
| 379917 | 24-AUG-17 | SOFTWARE, INC WAXIE'S ENTERPRISES, INC | | 2,662,96 | | | Negotiable |
| 379918 | 24-AUG-17 | WECK LABORATORIES | | 2,879.00 | | | Negotiable |
| 379919 | 24-AUG-17 | WESTAMERICA COMMUNICATIONS, | | 450.00 | 29-AUG-17 | 450.00 | Reconciled |
| 379920 | 24-AUG-17 | INC. WESTERN EXTERMINATOR COMPANY | | 172.00 | | | Negotiable |
| 379921 | 24-AUG-17 | | | 620.00 | | | Negotiable |
| 379922 | 2θ-AUG-17 | | TAMPA | | | | Negotiable |
| 379923 | | Bertsch, Frederick J (Jeff) | | 221.07 | | | Negotiable |
| 379924 | | Guzman, Juan (Juan) | | 70.00 | 47 | 5.00 | Negotiable |
| 379925 379926 | | Lynch, Toni Marie Murphy, Alexander J (Alexander) | | 5.99 225.00 | 31-AUG-17 | 5.99 | Reconciled Negotiable |
| 379927 379928 | | Mwe, Nang AGARWAL, BIPUL | | 5,99 110.15 | | | Negotiable Negotiable |
| 379929 379930 | | AIRGAS, INC. ALEXANDER'S CONTRACT SERVICES, | | 1,466.72 3,715.00 | | | Negotiable Negotiable |
| 379931 | 30-AUG-17 | INC. ALL AMERICAN SEWER | | 690.81 | | | Negotiable |
| 379932 | 30~AUG-17 | TOOLS ANDERSONPENNA PARTNERS, INC. | | 36,345.00 | | | Negotiable |
| 379933 | | ANTHONY N. LARSEN APTEAN, INC. | | 400.00 19,992.74 | | | Negotiable Negotiable |
| 379934 379935 | 30-AUG-17 | AT&T | | 51.15 | | | Negotiable |
| 379936 379937 | 30-AUG-17 30-AUG-17 | AUTOZONE PARTS, | | 240.09 150.57 | | | Negotiable Negotiable |
| 379938 379939 | | INC. BARNAWI, USMAN BARTEL ASSOCIATES, | | 17.50 6,138.50 | | | Negotiable Negotiable |
| IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: Payment Type: All | | ch : Los Angeles | - | r For 01-AUG-17 To Account: Checki Payment Curre Display Supplier Addi | ing AP and ency: USD | PR Page: (US Dollar) | 31 |
| Payment Number Sequence Num | Date | Supplier Name | Site | Payment Amount | Cleared Date | Cleared Amount | Status |
| Payment Document : IRWD Ch | | | ***** | | | | ***** |
| 379940 | | BATTERIES PLUS AND BATTERIES PLUS BULBS |) | 1,785.04 | | | Negotiable |
| | | פמחספ | | | | | |

| 379941 | 30-AUG-17 | BECKMAN COULTER | 393.29 | Negotiable |
|---------|-----------|--------------------------------|------------|---|
| 379942 | 30-AUG-17 | BLACK & VEATCH CORPORATION | 183,366.71 | Negotiable |
| 379943 | 30-AUG-17 | BLAIRS TOWING INC | 450.00 | Negotiable |
| 379944 | | BLOUNT, JAMIEL K | 404,08 | Negotiable |
| 379945 | 30-AUG-17 | BORCHARD SURVEYING | 985.00 | Negotiable |
| 5.30.10 | | & MAPPING, INC. | | |
| 379946 | 30-AUG-17 | BOWIE, ARNESON, | 2,217,25 | Negotiable |
| | | WILES & GIANNONE | | |
| 379947 | 30-AUG-17 | BRENNTAG PACIFIC | 3,680,00 | Negotiable |
| | | INC | | |
| 379948 | 30-AUG-17 | BURK, ROBERT | 96,67 | Negotiable |
| 379949 | 30-AUG-17 | | 409.22 | Negotiable |
| | | AND BRAND | | |
| | | MANAGEMENT INC | | |
| 379950 | 30-AUG-17 | CALIFORNIA | 7,842.50 | Negotiable |
| | | BARRICADE RENTAL, | | |
| | | INC, | 10.047.00 | N |
| 379951 | 30-AUG-17 | CALIFORNIA | 10,047.00 | Negotiable |
| | | MUNICIPAL | | |
| | | UTILITIES | | |
| 27225 | 20 200 17 | ASSOCIATION CANON FINANCIAL | 905.45 | Negotiable |
| 379952 | 30-AUG-17 | SERVICES, INC | 500.45 | 110g0clabic |
| 379953 | 30-AUG-17 | CANON SOLUTIONS | 489,79 | Negotiable |
| 3/9953 | 30-A0G-17 | AMERICA, INC. | 403,73 | 110000000000000000000000000000000000000 |
| 379954 | 30-AUG-17 | CHARLES P CROWLEY | 9,004.20 | Negotiable |
| 379934 | 30 A0G 17 | COMPANY INC | -, | |
| 379955 | 30~AUG-17 | CHAVEZ, SONIA | 6.08 | Negotiable |
| 379956 | 30-AUG-17 | | 11,980.50 | Negotiable |
| 3.3300 | | INTERNATIONAL INC | | |
| 379957 | 30-AUG-17 | CHEN-TECH | 11,512.32 | Negotiable |
| | | INDUSTRIES INC | | |
| 379958 | 30-AUG-17 | CHRISTIAN, BURT | 137.95 | Negotiable |
| 379959 | 30-AUG-17 | CITY OF NEWPORT | 21,77 | Negotiable |
| | | BEACH | | |
| 379960 | 30-AUG-17 | COASTLINE | 81.00 | Negotiable |
| | | EQUIPMENT COMPANY | | |
| 379961 | 30-AUG-17 | COX | 120,93 | Negotiable |
| | | COMMUNICATIONS, | | |
| | | INC. | | |

INC.

RWD Ledger Upgrade

BANK: Bank of America N.A.

Bank Account Currency: USD (US Dollar)

Payment Type; All

Payment Type; All

BINC.

Payment Register For 01-AUG-17 To 31-AUG-17 To 3

| | | Cleared | | | | | |
|----------------|-------------------|--|---------------------|---------------------|------------|--|--|
| Payment Number | Sequence Num Date | Supplier Name | Site Payment Amount | Date Cleared Amount | Status | | |
| | ent : IRWD CHECK | | | | | | |
| rayment bocum | ent . IRWD Chbck | | | | | | |
| 379962 | 30-AUG-17 | CRAMER FISH SCIENCES | 14,844.50 | | Negotiable | | |
| 379963 | 30-AUG-17 | | 3,008.55 | | Negotiable | | |
| 379964 | 30-AUG-17 | DE VAUL PAINT COMPANY | 1,528.97 | | Negotiable | | |
| 379965 | 30-AUG-17 | DEACON, JANET | 2,248.10 | | Negotiable | | |
| 379966 | 30-AUG-17 | DELL MARKETING LP | 44,953.02 | | Negotiable | | |
| 379967 | 30-AUG-17 | DEPARTMENT OF WATER RESOURCES | 78,192.40 | | Negotiable | | |
| 379968 | 30-AUG-17 | DIRECTV INC | 118,53 | | Negotiable | | |
| 379969 | 30-AUG-17 | EHS INTERNATIONAL, INC | 1,800.00 | | Negotiable | | |
| 379970 | 30-AUG-17 | EI&C ENGINEERING INC | 46,441.00 | | Negotiable | | |
| 379971 | 30-AUG-17 | ENVIRONMENTAL EXPRESS INC | 830.02 | | Negotiable | | |
| 379972 | 30-AUG-17 | | 4,181.25 | | Negotiable | | |
| 379973 | 30-AUG-17 | | | | Negotiable | | |
| 379974 | 30-AUG-17 | | 180.14 | | Negotiable | | |
| 379975 | 30-AUG-17 | | 64,893.12 | | Negotiable | | |
| 379976 | 30-AUG-17 | | 4,719.45 | | Negotiable | | |
| 379977 | 30-AUG-17 | , | 2,692.74 | | Negotiable | | |
| 379978 | 30-AUG-17 | | 16.44 | | Negotiable | | |
| 379979 | 30-AUG-17 | FRONTIER CALIFORNIA INC. | 270.10 | | Negotiable | | |
| 379980 | 30-AUG-17 | FULLER TRUCK ACCESSORIES | 3,698.78 | | Negotiable | | |
| 379981 | 30-AUG-17 | | 613.33 | | Negotiable | | |
| 379982 | 30-AUG-17 | GJ AUTOMOTIVE EQUIPMENT CO INC | 515.00 | | Negotiable | | |
| 379983 | 30-AUG-17 | GRAINGER | 3,059.07 | | Negotiable | | |
| 379984 | 30-AUG-17 | GRANKOL, INC | 233.11 | | Negotiable | | |
| 379985 | 30-AUG-17 | HACH COMPANY | 11,582.95 | | Negotiable | | |
| 379986 | 30-AUG-17 | HARRINGTON INDUSTRIAL PLASTICS LLC | 11,184.37 | | Negotiable | | |

379987 30-AUG-17 HDR ENGINEERING 35,161.90 Negotiable PEMS, LLC 26,500.00 Negotiable
Payment Register For 01-AUG-17 To 31-AUG-17 Report Date: 01-SEP-2017 10:09
ngeles Account: Checking AP and PR Page: 33
Payment Currency: USD (US Dollar)
Display Supplier Address: No INC 30-AUG-17 HELP/SYSTEMS, LLC 379988 BANK: Bank of America N.A. Branch ; Los Bank Account Currency: USD (US Dollar) Payme Branch ; Los Angeles Payment Type: All

| Payment Number | | | Supplier Name | | Payment Amount | Cleared Amoun | |
|----------------------------------|----------------|-----------|--|--------------|--------------------------------|---------------|-------------------------|
| | nent : IRWD CH | | | 1507-2000-00 | | | |
| 379989 | | 30-AUG-17 | HELPMATES STAFFING SERVICES | | 11,268,17 | | Negotiable |
| 379990 | | 30-AUG-17 | | | 100.00 | | Negotiable |
| 379991 | | 30-AUG-17 | HILL BROTHERS CHEMICAL COMPANY | | 14,158.88 | | Negotiable |
| 379992 | | 30-AUG-17 | HILLEBRECHT, WARREN K | | 668,45 | | Negotiable |
| 379993 | | 30-AUG-17 | | | 1,147,58 | | Negotiable |
| 379994 | | 30-AUG-17 | | | 4,075.00 | | Negotiable |
| 379995 | | | ION WAVE TECHNOLOGIES, INC. | | 19,435,00 | | Negotiable |
| 379996 | | 30-AUG-17 | IRVINE PIPE & SUPPLY INC | | 945,16 | | Negotiable |
| 379997 | | 30-AUG-17 | IRVINE PROPERTY MANAGEMENT | | 32,45 | | Negotiable |
| 379998 | | 30-AUG-17 | | | 12,432.00 |)X) | Negotiable |
| 379999 | | 30-AUG-17 | | | 256.35 | | Negotiable |
| 380000 | | 30-AUG-17 | | | 702.53 | | Negotiable |
| 380001 | | 30-AUG-17 | | | 2,548.00 | | Negotiable |
| 380002 | | 30-AUG-17 | KIMBALL MIDWEST | | 2,560.60 | | Negotiable |
| 380003 | | 30-AUG-17 | | | 141.86 | | Negotiable |
| 380004 | | 30-AUG-17 | | | 2,791.00 | | Negotiable |
| 380005 | | 30-AUG-17 | LIN, STEVEN | | 721,92 | | Negotiable |
| 380006 | | 30-AUG-17 | LU'S LIGHTHOUSE, INC. | | 290.45 | | Negotiable |
| 380007 | | 30-AUG-17 | MA, BO | | 40.37 | | Negotiable |
| 380008 | | 30-AUG-17 | MBC APPLIED ENVIRONMENTAL SCIENCES | | 1,300.00 | | Negotiable |
| 380009 | | 30-AUG-17 | | | 1,157.14 | | Negotiable |
| 380010 | | 30-AUG-17 | MCBAIN SYSTEMS LP | | 550,00 | | Negotiable |
| 380011 | | | MCCALL'S METERS, INC. | | 2,097.51 | | Negotiable |
| 380012 | | 30-AUG-17 | | | 1,474.20 | | Negotiable |
| 380013 | | 30-AUG-17 | MSC INDUSTRIAL SUPPLY CO | | 228.93 | | Negotiable |
| IRWD Ledger Upg BANK: Bank of | America N.A. | | | Register For | 01-AUG-17 To Account: Check | Page: | 01-SEP-2017 10:09 34 |

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

Payment Type: All

| | | | | | Cleared | | |
|----------------|-------------------|---|------|----------------|---------|----------------|------------|
| Payment Number | Sequence Num Date | Supplier Name | Site | Payment Amount | Date | Cleared Amount | Status |
| *** | | | | ***** | | | |
| Payment Docum | ent : IRWD CHECK | | | | | | |
| 380014 | 30-AUG-17 | MUNICIPAL MAINTENANCE | | 1,181.11 | | | Negotiable |
| 380015 | 30-AUG-17 | EQUIPMENT INC MUNICIPAL WATER DISTRICT OF ORANGE COUNTY | | 11,674.45 | | | Negotiable |
| 380016 | 30-AUG-17 | NATIONAL READY MIXED CONCRETE CO. | | 393.29 | | | Negotiable |
| 380017 | 30-AUG-17 | NINYO & MOORE | | 670.00 | | | Negotiable |
| 380018 | 30-AUG-17 | OCEAN BLUE ENVIRONMENTAL SERVICES INC | | 4,662.21 | | | Negotiable |
| 380019 | 30-AUG-17 | OLIN CORPORATION | | 23,614.35 | | | Negotiable |
| 380020 | 30-AUG-17 | ONESOURCE | | 1,866.68 | | | Negotiable |
| 380021 | 30-AUG-17 | DISTRIBUTORS LLC ORACLE AMERICA, INC. | | 13,437.90 | | | Negotiable |
| 380022 | 30-AUG-17 | ORANGE COUNTY AUTO PARTS CO | | 223,18 | | | Negotiable |
| 380023 | 30-AUG-17 | ORANGE COUNTY FIRE | | 980.00 | | | Negotiable |
| 380024 | 30-AUG-17 | ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT | | 1,871.44 | | | Negotiable |
| 380025 | 30-AUG-17 | OUTSOURCE | | 6,875.00 | | | Negotiable |

| | | TECHNICAL LLC | | |
|-----------------------------|--------------|--------------------|---|-----------------------|
| 380026 | 30-AUG-17 | PACIFIC PARTS & | 155.16 | Negotiable |
| 380026 | 30-A0G-17 | CONTROLS INC | 133.10 | negotiabic |
| 380027 | 30-AUG-17 | PACRIM ENGINEERING | 5,940,00 | Negotiable |
| 360027 | 30-A0G-17 | INC. | 3,310,00 | 11090220020 |
| 380028 | 30-AUG-17 | PARKHOUSE TIRE INC | 127:02 | Negotiable |
| 380029 | 30-AUG-17 | PARKWAY LAWNMOWER | 228.43 | Negotiable |
| 300023 | 00 1100 11 | SHOP | | , , , |
| 380030 | 30-AUG-17 | PAYNE & FEARS LLP | 10,753,43 | Negotiable |
| 380031 | 30-AUG-17 | POLLARDWATER, COM | 1,764,95 | Negotiable |
| 380032 | 30-AUG-17 | PSOMAS | 14,416,59 | Negotiable |
| 380033 | 30-AUG-17 | PTI SAND & GRAVEL | 1,079,36 | Negotiable |
| | | INC | | |
| 380034 | 30-AUG-17 | PURDUE UNIVERSITY | 1,540,00 | Negotiable |
| 380035 | 30-AUG-17 | | 278,10 | Negotiable |
| 380036 | 30-AUG-17 | RAM AIR | 3,951.87 | Negotiable |
| | | ENGINEERING INC | | |
| 380037 | 30-AUG-17 | | 2,618.33 | Negotiable |
| | | INC | | ** |
| 380038 | 30-AUG-17 | | | Negotiable |
| IRWD Ledger Upgrade | P | | Register For 01-AUG-17 To 31-AUG-17 Account: Checking AP and | |
| BANK: Bank of America N.A. | | h ; Los Angeles | Payment Currency: USD | |
| Bank Account Currency: | : 020 (02 1 | Ollar) | Display Supplier Address: No | (03 DOTTAL) |
| Payment Type: All | | | propriat address. No | |
| | | | | |
| | | | Cleared | |
| Payment Number Sequence Num | n Date | Supplier Name | Site Payment Amount Date | Cleared Amount Status |
| | | | | ***************** |
| Payment Document : IRWD CF | HECK | | | |
| 380039 | 30-AUG-17 | RINCON TRUCK | 261.98 | Negotiable |
| | | CENTER INC. | | |
| 380040 | 30-AUG-17 | ROBLES, SERGIO | 53,36 | Negotiable |
| | | | | |

| | quence Num Date | | nice infinite infodite | | |
|---------------------|---|---|---------------------------|--|-------------------|
| Payment Document | | | | | |
| 380039 | 30-AUG-17 | RINCON TRUCK | 261.98 | | Negotiable |
| | | CENTER INC. | | | |
| 380040 | | ROBLES, SERGIO | 53,36 | | Negotiable |
| 380041 | 30-AUG-17 | ROYAL WHOLESALE ELECTRIC | 3,542.58 | | Negotiable |
| 380042 | 30-AUG-17 | RS HUGHES COMPANY, INC. | 1,255.29 | | Negotiable |
| 380043 | 30-AUG-17 | | 25,113.03 | | Negotiable |
| 380044 | 30-AUG-17 | | 1,565.61 | | Negotiable |
| 380045 | 30-AUG-17 | | 15.80 | | Negotiable |
| 380046 | 30-AUG-17 | SECURITAS SECURITY SERVICES USA, INC. | | | Negotiable |
| 380047 | 30-AUG-17 | | 120.48 | | Negotiable |
| 380048 | 30-AUG-17 | SOUTH BAY FOUNDRY, | | | Negotiable |
| 380049 | 30-AUG-17 | QUALITY MANAGEMENT | 1,089.36 | | Negotiable |
| 380050 | 30-AUG-17 | DISTRICT SOUTHERN CALIFORNIA EDISON COMPANY | 265,096.00 | | Negotiable |
| 380051 | 30-AUG-17 | | 482.25 | | Negotiable |
| 380052 | 30-AUG-17 | | 3,096.73 | | Negotiable |
| 380053 | 30-AUG-17 | | 1,501.54 | | Negotiable |
| 380054 | 30-AUG-17 | | 856,61 | | Negotiable |
| 380055 | 30-AUG-17 | STETSON ENGINEERS | 2,861.31 | | Negotiable |
| 380056 | 30-AUG-17 | SUKLE ADVERTISING | 5,800.00 | | Negotiable |
| 380057 | 30-AUG-17 | | 3,098.21 | | Negotiable |
| 380058 | 30-AUG-17 | CO TALLEY INC | 227.48 | | Negotiable |
| 380059 | 30-AUG-17 | TESTAMERICA | 579.60 | | Negotiable |
| 380060 | 30-AUG-17 | LABORATORIES, INC THE NEW HOME COMPANY SOUTHERN | 126,54 | | Negotiable |
| 380061 | 30-AUG-17 | CALIFORNIA LLC TRAFFIC CONTROL | 9,800.00 | | Negotiable |
| 380062 | 30-AUG-17 | ENGINEERING, INC TRI POINTE HOMES, | 63.08 | | Negotiable |
| IRWD Ledger Upgrade | A | INC. | Register For 01-AUG-17 To | 31-AUG-17 Report Date: | 01-SEP-2017 10:09 |
| BANK: Bank of Ame: | rica N.A. Brand Currency: USD (US I | ch : Los Angeles | Account: Checki | ing AP and PR Page: ency: USD (US Dollar) | 36 |

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

| | Sequence Num Date | Supplier Name | Site | Payment Amount 1 | Cleared Amount | Status |
|--------|-------------------|-------------------|------|------------------|----------------|------------|
| 380063 | 30-AUG-17 | TRUCPARCÓ | | 1,805.64 | | Negotiable |
| 380064 | 30-AUG-17 | TUSTIN TOYOTA | | 49.78 | | Negotiable |
| 380065 | 30-AUG-17 | UNITED PARCEL | | 41.02 | | Negotiable |
| | | SERVICE INC | | | | |
| 380066 | 30-AUG-17 | US BANK NAT'L | | 75,432.72 | | Negotiable |
| | | ASSOCIATION NORTH | | | | |
| | | DAKOTA | | | | |

| 380067 | 30-AUG-17 | VERIZON WIRELESS | 6,997.39 | Negotiable |
|--------|------------|----------------------------------|-----------|-------------|
| 380068 | 30-AUG-17 | SERVICES LLC VULCAN MATERIALS | 1,418,04 | Negotiable |
| 200000 | 30-A0G-17 | COMPANY | 1,410.04 | Negociabie |
| 380069 | 30-AUG-17 | VWR INTERNATIONAL, | 743.74 | Negotiable |
| | | LLC | | |
| 380070 | 30-AUG-17 | WALTERS WHOLESALE | 331.47 | Negotiable |
| | | ELECTRIC | | |
| 380071 | 30-AUG-17 | WASTE MANAGEMENT | 2,786,79 | Negotiable |
| | 20. 200 13 | OF ORANGE COUNTY | 458.67 | Negotiable |
| 380072 | 30-AUG-17 | WAXIE'S ENTERPRISES, INC | 420,07 | Medocrapie |
| 380073 | 30-AUG-17 | WEST COAST SAFETY | 2,621.91 | Negotiable |
| 300073 | 30 A00 17 | SUPPLY INC | 5,021.31 | 11090022022 |
| 380074 | 30-AUG-17 | WESTPOINT PROPERTY | 25.00 | Negotiable |
| | | MANAGEMENT | | |
| 380075 | 30-AUG-17 | WILLIAM D ROYER | 695.00 | Negotiable |
| 380076 | 30-AUG-17 | WIN-911 SOFTWARE | 495.00 | Negotiable |
| 380077 | 30-AUG-17 | WINN, SANDRA | 100.24 | Negotiable |
| 380078 | 30-AUG-17 | WORKFORCE SAFETY | 3,430.00 | Negotiable |
| | | LLC | | |
| 380079 | 30-AUG-17 | YAN, ALYSSA | 15.62 | Negotiable |
| 380080 | 30-AUG-17 | YEAWARY, NEELOFAR | 103.01 | Negotiable |
| 380081 | 30-AUG-17 | YORKE ENGINEERING | 4,153.92 | Negotiable |
| | | LLC | | |
| 380082 | 30-AUG-17 | YOU, YOUNG IM | 71.32 | Negotiable |
| 380083 | 30-AUG-17 | YSI, INC | 29,548.26 | Negotiable |
| 380084 | 30-AUG-17 | ZHAO, HAITAO | 21.19 | Negotiable |
| 380085 | 31-AUG-17 | JCI JONES TAMPA | 5,255.25 | Negotiable |
| | | CHEMICALS INC | | |
| 380086 | 31-AUG-17 | Nash, Joel HOME | 105.93 | Negotiable |
| 380087 | 31-AUG-17 | Fehser, Noah HOME | 60.00 | Negotiable |
| | | (Noah) | | |
| | | | | |
| | | | | |

Payment Document Subtotal:

11,052,588.98

7,979,661.24

Payment Document : IRWD Wire

Payment Document: IRWD Wire
IRWD Ledger Upgrade

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

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

Report Date: 01-SEP-2017 10:09

RANK: Bank Account Currency: USD (US Dollar)

Payment Type: All

Payment Type: All

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

Report Date: 01-SEP-2017 10:09

Report Date: 01-

| | Sequence Num | | Supplier Name | Site | Payment Amount | Cleared Amount | Statu |
|-------|----------------|-----------|---|-------------------|----------------|----------------|------------|
| | ment : IRWD Wi | | *********** | | | | |
| 12192 | | 03-AUG-17 | YORK INSURANCE SERVICES GROUP IN - CA | PAY | 9,039.48 | | Negotiable |
| 12193 | | 03-AUG-17 | CALPERS | SACRAMENTO | 661.20 | | Negotiable |
| 12194 | | 14-AUG-17 | EMPLOYEE BENEFIT SPECIALIST, INC | PAY | 8,666.71 | | Negotiable |
| 12195 | | 15-AUG-17 | YORK INSURANCE SERVICES GROUP IN - CA | PAY IC | 2,721.56 | | Negotiable |
| 12196 | | 15-AUG-17 | INTERNAL REVENUE SERVICE | FRESNO | 194,611.23 | | Negotiable |
| 12197 | | 15-AUG-17 | FRANCHISE TAX BOARD | SACRAMENTO | 53,293.41 | | Negotiable |
| 12198 | | 15-AUG-17 | EMPLOYMENT DEVELOPMENT DEPARTMENT | W SACRAMENTO | 11,166.02 | | Negotiable |
| 12199 | | 15-AUG-17 | ORDONEZ, CYNTHIA MARIE | DESERT HOT SPR | 230.77 | | Negotiable |
| 12200 | | 15-AUG-17 | EMPLOYEE BENEFIT SPECIALIST, INC | PAY | 12,452.70 | | Negotiable |
| 12201 | | 15-AUG-17 | GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY | | 127,582.40 | | Negotiable |
| 12202 | | 15-AUG-17 | FILANC-BALFOUR BEATTY JV | ACT 4427724347 | 1,209,879.61 | | Negotiable |
| 12203 | | 15-AUG-17 | FILANC-BALFOUR BEATTY JV | ESR 211084000 | 1,927.57 | | Negotiable |
| 12204 | | 16-AUG-17 | CITIGROUP GLOBAL MARKETS INC. | NEW YORK | 212,723.30 | | Negotiable |
| 12205 | | 16-AUG-17 | BANK OF NEW YORK MELLON TRUST COMPANY NA | NEWARK | 62,201.02 | | Negotiable |
| 12206 | | 16-AUG-17 | U.S. BANK NATIONA ASSOCIATION | LST, LQUIS | 30,171.20 | | Negotiable |
| 12207 | | 16-AUG-17 | BANK OF AMERICA | SAN FRANCISCO | 30,319.86 | | Negotiable |
| 12208 | | 17-AUG-17 | CALPERS | SACRAMENTO | 176,586.41 | | Negotiable |
| 12209 | | 17-AUG-17 | YORK INSURANCE SERVICES GROUP IN - CA | PAY | 8,805.43 | | Negotiable |
| 12210 | | 18-AUG-17 | CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES | SACRAMENTO | 2,134.60 | | Negotiable |
| 12211 | | 19-AUG-17 | CALPERS | SACRAMENTO 1 | 465,201.10 | | Negotiable |
| | | | | | | | |

IRWD Ledger Upgrade Payment Register For 01-AUG-17 To 31-AUG-17 Report Date: 01-SEP-2017 10:09
BANK: Bank of America N.A. Branch: Los Angeles Account: Checking AP and PR Page: 38
Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
Payment Type: All Display Supplier Address: No

Cleared Supplier Name Site Payment Amount Date Payment Number Sequence Num Date Cleared Amount Status Payment Document : IRWD Wire 12212 19-AUG-17 CALPERS SACRAMENTO 2,867.15 Negotiable 21-AUG-17 U.S. BANK NATIONALST. LOUIS 8,130.48 Negotiable ASSOCIATION 12214 21-AUG-17 CALPERS 176,142.18 Negotiable 12215 21-AUG-17 CALPERS SACRAMENTO 96,851.15 Negotiable SACRAMENTO 12216 21-AUG-17 CALPERS 1,035,28 Negotiable YORK INSURANCE Negotiable SERVICES GROUP INC - CA 12218 23-AUG-17 INTERNAL REVENUE FRESNO 214,507.46 Negotiable SERVICE FRANCHISE TAX SACRAMENTO 59,735.04 Negotiable BOARD 28-AUG-17 EMPLOYMENT 11,572.84 12220 Negotiable DEVELOPMENT SACRAMENTO DEPARTMENT ORDONEZ, CYNTHIA DESERT HOT 230.77 12221 28-AUG-17 Negotiable MARTE 28-AUG-17 CALIFORNIA SACRAMENTO Negotiable DEPARTMENT OF CHILD SUPPORT SERVICES 28-AUG-17 EMPLOYEE BENEFIT PAY 12223 12,144.01 Negotiable SPECIALIST, INC 28-AUG-17 GREAT-WEST LIFE & DENVER 123,329,55 Negotiable ANNUITY INSURANCE COMPANY 29-AUG-17 FILANC-BALFOUR 848.716.41 12225 Negotiable 4427724347 BEATTY JV 12226 29-AUG-17 FILANC-BALFOUR ESR 12,909.82 Negotiable 211084000 BEATTY JV SUMITOMO MITSUI 32,927.66 Negotiable BANKING CORPORATION 12228 U.S. BANK NATIONALST, LOUIS ASSOCIATION 29-AUG-17 14,567.67 Negotiable MUNICIPAL WATER FOUNTAIN 29-AUG-17 1,045,881.73 Negotiable 12229 DISTRICT OF ORANGEVALLEY COUNTY 12230 29-AUG-17 YORK INSURANCE 7,755,63 Negotiable SERVICES GROUP INC - CA 31-AUG-17 U.S. BANK NATIONALST. LOUIS 2,918,625.00 12231 Negotiable ASSOCIATION Payment Register For 01-AUG-17 To 31-AUG-17 Report Date: 01-SEP-2017 10:09
Branch: Los Angeles Account: Checking AP and PR Page: 39
(US Dollar) Payment Currency: USD (US Dollar)
Display Supplier Address: No IRWD Ledger Upgrade BANK: Bank of America N.A. Bank Account Currency: USD (US Dollar) Payment Type: All Payment Number Sequence Num Date Supplier Name Payment Amount Date Cleared Amount Status Payment Document : IRWD Wire 12232 31-AUG-17 FORESITE ESCROW, BARDEEN 1,496,627.00 Negotiable INC. PT/PVID Payment Document Subtotal: 9,712,729.36 Bank Account Subtotal : Report Total: 20,765,318.34 7,979,661.24 Report Count: 958

*** End of Report ***

\$ 20,765,318.34 Disbursements

<11,558.51> Voids

\$ 20,753,759.83 Total Disbursements and Voids

Exhibit "E"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

August 2017

| | AMOUNT | VENDOR | PURPOSE |
|-----------------------|--|------------------------------------|---|
| 8/4/2017 8/18/2017 | 848,258.04 893,014.97 \$1,741,273.01 | BANK OF AMERICA BANK OF AMERICA | ACH Payments for Payroll ACH Payments for Payroll |

Exhibit "F"

IRWD Gov Code 53065.5 Disclosure Report

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

| NAME | CHECK NO. | CHECK | AMOUNT | ITEM DESCRIPTION | EXPENSE JUSTIFICATION |
|---------------------|-----------|-----------|------------|-----------------------|--|
| Bennett, Ray | 379720 | 24-Aug-17 | 163.71 | Mileage | Rosedale-Rio Broavo DRP Project Tour/Inspection - August 2017 |
| Bennett, Ray | 379505 | 17-Aug-17 | 163.71 | Mileage | Rosedale-Rio Broavo DRP Project Tour/Inspection - July 2017 |
| Bertsch, Jeff | 379923 | 30-Aug-17 | 201.81 | Other(Misc) | Meeting supplies |
| Cascelli, Craig | 379721 | 24-Aug-17 | 172.00 | Membership Renewal | CWEA membership |
| Coria, Alex | 379508 | 17-Aug-17 | 172.00 | Membership Renewal | CWEA membership |
| Hankla, Jeremy | 379172 | 3-Aug-17 | 180.00 | Membership Renewal | CWEA membership |
| Hankla, Jeremy | 379172 | 3-Aug-17 | 100.00 | Certification Renewal | CWEA Mechanical Grade 4 certification |
| Leal, Eliberto | 379723 | 24-Aug-17 | 172.00 | Membership Renewal | CWEA membership |
| Moeder, Jacob | 379728 | 24-Aug-17 | 312.00 | Certification Renewal | WEF Renewal |
| Moeder, Jacob | 379728 | 24-Aug-17 | 109.09 | Auto Rental | Tesla Gigafactory Tour - Reno, NV - August 16, 2017 |
| Murphy, Alex | 379926 | 30-Aug-17 | 225.00 | Other(Misc) | Cell phone insurance deductible |
| Navarro, Hector | 379511 | 17-Aug-17 | 605.00 | Membership Renewal | Membership renewal |
| Perez, Cesar | 379732 | 24-Aug-17 | 180.00 | Membership Renewal | CWEA membership |
| Pfister, Ken | 379361 | 10-Aug-17 | 205.00 | Certification Renewal | SWRCB Water Distribution Operater Grade D5 certification |
| Schreiner, Terrance | 379362 | | 280.00 | Certification Renewal | CWEA Electrical Instrumentation Grade IV certification |
| Shinbashi, Allen | 379180 | 3-Aug-17 | 120.55 | Other(Misc) | Williams Ranch - Life Estate Assessment - new door locks for entire property |
| Solis, Henry | 379363 | 10-Aug-17 | 180.00 | Membership Renewal | CWEA membership |
| Spangenberg, Carl | 379181 | 3-Aug-17 | 312.00 | Membership Renewal | WEF membership |
| Swan, Peer | 379734 | 24-Aug-17 | 555.96 | Airfare | WEF's Bay-Delta Tour, Sacramento, CA - June 13-16, 2017 |
| Swan, Peer | 379734 | | 226.86 | Lodging | WEF's Bay-Delta Tour, Sacramento, CA - June 13, 2017 |
| | Total Amo | unt: | \$4,636.69 | | |

September 25, 2017

Prepared by: J. Moeder/R Mori Submitted by: K. Burton

Approved by: Paul A. Cook

CONSENT CALENDAR

IRVINE LAKE PIPELINE NORTH CONVERSION RESERVOIR CONTRACT CHANGE ORDER

SUMMARY:

Pascal & Ludwig Constructors (P&L) is constructing the Irvine Lake Pipeline (ILP) North Conversion Reservoir, which is about 40% complete. Staff recommends that the Board approve Contract Change Order No. 10 in the amount of \$473,623 for design changes associated with the postponement of the Santiago Hills II development.

BACKGROUND:

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

Contract Change Order No. 10:

During the design phase, staff and the Irvine Company closely coordinated the project design with the anticipation that the Irvine Company would construct the adjacent Santiago Hills II development and associated infrastructure improvements concurrent with the reservoir project. As such, the project included provisions for connecting to the proposed storm drain, sewer, and grading improvements that were to be constructed with the development. In November 2016, the Irvine Company informed staff that construction of the development was being postponed, which prompted the need to design and construct several improvements at the reservoir site to successfully integrate the project with the existing conditions. The needed improvements consist of several items, but most notably include the following:

- Onsite and offsite storm drain piping, outfall structure, erosion protection, and grading modifications:
- Strainer backwash recycling system that includes a concrete vault, pumps, valves, and a pump control panel; and
- Miscellaneous revisions including site grading, yard piping, and electrical modifications.

Staff developed the design of the improvements with Kleinfelder and requested P&L to submit pricing for its construction. After several rounds of negotiation and scope review, P&L submitted a change request in the amount of \$473,623, which includes a request for a Contract Time extension of 56 calendar days. Staff reviewed the change order and confirmed that both the cost and the time extension request are acceptable. Staff recommends approval of Contract Change

Consent Calendar: Irvine Lake Pipeline North Conversion Reservoir Contract Change Order September 25, 2017
Page 2

Order No. 10, which is presented as Exhibit "A", in the amount of \$473,623. A summary of change orders to date is provided as Exhibit "B".

FISCAL IMPACTS:

Project 05407 is included in the FY 2017-18 Capital Budget. The existing budget is sufficient to fund the contract change order.

The ILP North Conversion Project, which includes the reservoir and associated off-site pipelines, is receiving grant funding from the United States Department of Bureau of Reclamation (USBR) and the State Water Resources Control Board (SWRCB). The USBR funding in the amount of \$300,000 is being provided through the Drought Resiliency Grant program with 75% IRWD matching requirements. The SWRCB is providing Proposition 1 Recycled Water Program grant funds, which will contribute up to a 35% match on eligible construction costs up to a maximum of \$29,510,300 in project costs.

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on September 13, 2017.

RECOMMENDATION:

THAT THE BOARD APPROVE CONTRACT CHANGE ORDER NO. 10 WITH PASCAL & LUDWIG CONSTRUCTORS IN THE AMOUNT OF \$473,623 FOR DESIGN CHANGES ASSOCIATED WITH THE POSTPONEMENT OF THE SANTIAGO HILLS II DEVELOPMENT FOR THE IRVINE LAKE PIPELINE NORTH CONVERSION RESERVOIR, PROJECT 05407.

LIST OF EXHIBITS:

Exhibit "A" – Contract Change Order No. 10 Exhibit "B" – Contract Change Order Summary Log

EXHIBIT "A"

| C | | DED |
|----|------|-----|
| CC | | DER |



Irvine Ranch Water District 15600 Sand Canyon Avenue P.O. Box 57000 Irvine, CA 92619-7000

| C.O. No. | 10 |
|------------|-------|
| Final T | |
| Project No | 05407 |

| (949) 453-5300 | Pro | oject No. | J34U/ | | |
|---|--|--------------------|--------------------|-------------|--|
| ILP N. Conversion Santiago Hills Zone C+ Re | eservoir | | Date: 9/ | 5/2017 | |
| Project Title | | | | | |
| THE FOLLOWING CHANGE TO CONTRACT SPECIFICATIONS IS PROPOSED. | T, DRAWINGS AND | S ADDITIONS | \$ DELETIONS | DAYS ± | |
| 1. Change Request 21 - Construction of redesign Delta 6 that are associated with the Irvine Comp for the Santiago Hills II development. | \$ 473,623.00 | s - | 56 | | |
| Note: With the execution of this contract chang completion date is 02/09/2019. | e order, the revised contract | | | | |
| V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | TOTAL | \$ 473,623.00 | s - | 56 | |
| | | | | DAYS± | |
| 1. NET AMOUNT THIS CHANGE ORDER | = | \$ | 473,623.00 | 56 | |
| 2. ORIGINAL CONTRACT AMOUNT | | S | 690 | | |
| 3. TOTAL PREVIOUS CHANGE ORDER(S) | | \$ | 167 | | |
| 4. TOTAL BEFORE THIS CHANGE ORDER | (2+3) = | \$ | 857 | | |
| 5. PROPOSED REVISED CONTRACT AMOU | JNT TO DATE (I+4) = | \$ | 913 | | |
| We hereby agree to make the above change | subject to the terms of this c | hange order for ti | ne sum of: | | |
| Four Hundred Seventy Three Thousand Six Hun | | | | - , Dollars | |
| 9/5/17 Pascal 4 L | Ludwig Constructo | | By! Austt 1 | Styd | |
| SIGNATURE | DATE | APPR | OVAL LEVEL REC | QUIRED | |
| land Mashe | Department Director Approval Required Executive Director Approval Required General Manager Approval Required Board Approval Required | | | | |
| RWD Engineer or Consulting Engineer | | | | | |
| Principal Engineer of Button | 9/5/17 | | | | |
| Executive Director of Engineering & Water Quality | Date | | | | |
| General Manager | Date | | Purchase Order No. | | |

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

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

EXHIBIT "B"

ILP N. Conversion Santiago Hills Zone C+ Reservoir Project PR 05407 Construction Change Order Summary

Date: September 5, 2017 Contractor: Pascal & Ladwig Design Engineer: Kleinfelder

| | * | | | Contract Amount | | | | | | Contract Days | | | |
|---------------------|--|----------|-------------------------------------|------------------------|---------------------------|--------------------------------------|----------------------------------|---------------------------------------|----------------------|----------------------------------|---------------------------------|--------------------------------------|-------------------------------|
| | | | | | | Original | Contract Amount: | \$9,038,010.00 | | Or | ginal Davk | 690 | 7/1/2018 |
| Change Order No. | Description | Category | Change Order Line Item Amount | Change Order Amount | Previous Change Orders | Cumulative Total of Change Orders | % of Original Contract Amount | Revised Contract Amount | Change Order Days | Previous Change Order Days | Cum, Change Order Davs | Revised Total Contract Days | Revised Completion Date |
| -1 | Approved by Executive Director of Eng and WQ | | | \$ 20,846,00 | \$ - | \$ 20,846.00 | 0.23% | \$9,058,856,00 | 0 | 0 | 0 | 690 | 7/1/201 |
| | Approved on November 22, 2016 | I . I | | | | | | | | | | l . | ı |
| | CR-1: Addition of 4-inch water fine at Santiago Canyon Reservoir Site | В | \$10,628.00 | | | | | | l . | 1 | | | 1 |
| | CR-2: Removal of fencing aking Santiago Canyon Road | D | \$818.00 | | | | | | | 1 | | | 1 |
| | CR-3: Modifications to the strainer backwash pumps | D | \$1,491.00 | 0 | | | | | l | | | | l |
| | CR-4: Modifications to the fencing plan at the Santiago Canyon Hills Reservoir Site | C | \$7,159,00 | | | | | | l . | | | | l |
| - | CR-5: Addition of a project sign at the Irvine Company disposal site | С | \$750.00 | | | | | | | | | | |
| 2 | Approved by Executive Director of Eng and WQ Approved on March 28, 2017 | | | \$21,681,00 | \$ 20,846,00 | \$ 42,527.00 | 0.47% | \$9,080,537.00 | 41 | 0 | 48 | 738 | 8/18/2019 |
| | CR-6: Additional potholing at Rattlesnake Complex | В | \$3,283,00 | | | | | | | | | | ı |
| | CR-7: Addition of mulch at Rattlesnake Complex | ľ | \$2,065,00 | | | | | | l . | | | | l |
| | CR-8: Modification to the stainless steel tapping sleeve | l ă | \$12,605.00 | | | | 1 | | l | 1 | | | ı |
| | CR-10: Addition of Proposition 1 Funding Agreement requirements | Ĉ | \$0.00 | | 1 | | | | | ı | | | ı |
| | CR-11: Addition of remote control station on 30-inch ball valve | D D | \$3,728.00 | | | | | | | 1 | | | l |
| | CR-12. Time extension request for weather delays | B | \$0.00 | | | × | | | | | l | | l |
| 3 | Approved by Executive Director of Eng and WO | - | 20,00 | \$0.00 | \$ 42.527.00 | \$ 42,527,00 | 0,47% | \$9,080,537.00 | 25 | 49 | 73 | 763 | 9/12/201 |
| | Approved on March 31, 2017 | | | | 100 | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | - | 1 " | | , ~~ | JA LEEU |
| | CR-15: Additional time for delay in disposal site availability | В | \$0.00 | | | | | | 25 | | | | |
| 4 | Approved by Board Approved on April 24, 2017 | | | \$351,014,00 | \$ 42,527.00 | \$ 393,541.00 | 4.35% | \$9,431,551.00 | 20 | 73 | 93 | 783 | 10/2/201 |
| | CR-9: City of Orange modified work hours | С | \$83,970.00 | | l | | | | 10 | 4 | | | |
| | CR-13: Additional handling and disposal | В | \$267,044.00 | | l | l . | | | 10 | di . | | | l |
| 5 | Approved by Executive Director of Eng and WQ Approved on April 19, 2017 CR-15: Modified Shoring for Additional Over Excavation | В | 055 470 00 | \$65,459.00 | \$ 393,541,00 | \$ 459,000,00 | 5.08% | \$9,497,010.00 | 21 | 1 ~ | 115 | 805 | 10/24/2015 |
| 6 | Approved by General Manager | | \$65,459.00 | | \$ 459,000,00 | 6 557300.00 | 7 1967 | 00 000 300 00 | 22 | | | | |
| | Approved by Central Manager Approved by Manager CR-19: Additional Over-Excevation | В | \$95,380,00 | \$95,380,00 | \$ 459,000,00 | \$ 554,380.00 | 6.13% | \$9,592,390.00 | | 115 | 115 | 805 | 10/24/201 |
| 7 | Approved by General Manager Approved on July 13, 2017 CR-20: Slot cutting in front of shoring | В | \$98.526.00 | \$98,526 00 | \$ 554,380,00 | \$652,906,00 | 7.22% | \$9,690,916,00 | | 115 | 115 | 805 | 10/24/201 |
| 8 | Approved by Board | | 398,320.00 | \$314,692.00 | \$652,906,00 | \$ 967,598,00 | 10,71% | #10 005 C00 00 | 52 | 115 | 167 | 857 | ******** |
| 0 | Approved by Board Approved on July 25, 2017 CR-22: Import and Piscement of Structural Backfill | В | \$314.692.00 | | \$632,900,00 | \$ 967,398.00 | 10.71% | \$10,005,608.00 | 52 | 2200 | 16/ | 857 | 12/15/201 |
| 9 | Approved by Executive Director of Eng and WO | | 35 (4,032.00 | \$33,150.00 | \$ 967,598.00 | \$ 1,000,748.00 | 11.07% | \$10.038,758.00 | 34 | 167 | 167 | 857 | 12/15/201 |
| • | Approved on | | | 255,150 00 | 3 901,398.00 | 3 1,000,748.00 | 11.07 % | \$10,034,734,00 | 1 1 | 1 "" | 107 | " | 12/15/2019 |
| | CR-18: Air Gap Support Redesign | D | \$16,413.00 | | | | I I | | | 1 | | | |
| 10 | CR-23; Surge Tank Piping Modifications Approved by Board Approved on | В | \$16,737.00 | \$473,623.00 | \$ 1,000,748.00 | \$1,474,371.00 | 16.31% | \$10,512.381.00 | 56 | 167 | 223 | 913 | 2/9/201 |
| | CR-21 Redesign associated with TIC Development Sch. Mod. | 1 . | | | | | 1 | | l | | | l . | I |
| _ | BELLEVI ANNUARE RESOURCED MIDI LIC DOLOGRAPHICA SCIT. MOD | A | \$473,623.00 | | | | | | 56 | 1 | | | |

| Category | | Total Amount | Contract |
|--|---|----------------|----------|
| A - Owner Directed Change | | \$486,228.00 | 5.38% |
| B - Differing/Unknown Condition | | \$871,749.00 | 9.65% |
| C - External Agency, Regulatory, and/or Permit Required Change | 1 | \$93,944.00 | 1,04% |
| D - Design Oversight | TAXABLE CONTRACTOR OF CONTRACTOR | \$22,450.00 | 0.25% |
| | Total Change Order Amount (A + B + C + D) | \$1,474,371.00 | 16.31% |

September 25, 2017

Prepared by: J. Corey / K. Welch

Submitted by: F. Sanchez / P. Weghorst / Aw

Approved by: Paul A. Cook

ACTION CALENDAR

ENVIRONMENTAL COMPLIANCE CONSULTANT SELECTION FOR THE SYPHON RESERVOIR IMPROVEMENT PROJECT

SUMMARY:

The proposed Syphon Reservoir Improvement Project will allow Irvine Ranch Water District to increase its seasonal recycled water storage capacity by approximately 4,100 acre-feet (AF). An Environmental Impact Report (EIR) needs to be prepared for the project consistent with the California Environmental Quality Act (CEQA) and the requirements of the National Environmental Policy Act (NEPA). Staff has evaluated four proposals to prepare the EIR and conducted interviews with the top two firms. Staff recommends the Board authorize the General Manager to execute a Professional Services Agreement with Environmental Science Associates (ESA) in the amount of \$611,226 to prepare an EIR for the proposed Syphon Reservoir Improvement Project.

BACKGROUND:

Syphon Reservoir is located east of Portola Parkway between Bee Canyon Access Road and State Route 133 (SR-133). The existing dam and reservoir was constructed in 1949 and was historically used by the Irvine Company to store agricultural irrigation water. In 2010, IRWD purchased Syphon Reservoir for storing recycled water. In 2012, IRWD completed the "Syphon Reservoir Expansion Feasibility Study" and the "Syphon Reservoir Environmental Regulatory Evaluation" to determine the feasibility of expanding the usable storage capacity of the reservoir. In 2014, IRWD constructed interim facilities to integrate the existing reservoir into IRWD's recycled water system for use as a small, recycled water seasonal storage facility.

Project Overview:

The proposed Syphon Reservoir Improvement Project would allow IRWD to increase its seasonal recycled water storage capacity by approximately 4,100 AF. IRWD proposes to increase the reservoir storage capacity by replacing the existing 59-foot high dam with a new 136-foot high embankment dam. The final usable storage capacity at Syphon Reservoir will be 4,900 AF. The existing onsite strainer and disinfection facilities that were constructed under the interim facilities project would be replaced with larger facilities. Necessary conveyance facilities to integrate the expanded reservoir into IRWD's recycled water system will include a pump station and associated pipeline. The pump station is currently in design as a part of the Eastwood Recycled Water Pump Station Project.

Preparing Project EIR:

An Environmental Impact Report (EIR) needs to be prepared for the proposed project consistent with the California Environmental Quality Act (CEQA). To support IRWD's efforts in securing

Action Calendar: Environmental Compliance Consultant Selection for the Syphon Reservoir Improvement Project
September 25, 2017
Page 2

federal funding for the project, the EIR also needs to fulfill the requirements of the National Environmental Policy Act (NEPA).

Consultant Selection:

A Request for Proposals for preparing an EIR for the proposed project was issued to four environmental firms: Dudek, ESA, LSA Associates, and Psomas. Staff completed a thorough review and evaluation of each proposal, and conducted interviews with the top two firms. The Environmental Consultation Selection Matrix for the proposed project is shown in Exhibit "A". Staff recommends the selection of ESA to complete the work. The key strengths of ESA's proposal are as follows:

- A project management team with a superior depth of expertise and knowledge of IRWD:
- Outstanding understanding of the key issues associated with the project;
- An informed approach that reflects an understanding of the project, IRWD's expectations and the requirements of CEQA and NEPA;
- A scope of work that reflects the expected level of effort;
- The outstanding qualifications of their project team;
- Appropriate commitments to the project by the Principal in Charge and Project Manager;
- Prior experience with dam construction projects; and
- A superior level of support and collaboration on public outreach efforts.

ESA proposes a 20-month schedule to prepare and certify an EIR for the project. ESA's cost estimate to complete the work is \$611,226. ESA's scope of work, cost estimate and schedule are included as Exhibit "B".

Additional Steps:

In addition to the environmental consultant award, staff has been working with communications firm Katz & Associates on a draft overview plan for third-party outreach support. Staff intends to finalize this plan later this month and then issue a Request for Proposals (RFP) in early fall to several communications firms. Over the past few months, staff has met with engineering firms expressing interest in serving as the Owner's Representative, as well as several firms interested in the detailed design project efforts. Staff is currently drafting the RFP for the Owner's Representative scope of services and is expect to advertise in October.

FISCAL IMPACTS:

The Syphon Reservoir Improvement Project (Project 03808), is included in the FY 2017-18 Capital Budget as a flagged project. On July 7, 2017, the Board approved an Expenditure Authorization in the amount of \$2,500,000 for design, environmental compliance and permitting work associated with the project. The amount of funds reserved for environmental and permitting work is \$1,000,000, which is adequate to fund the work proposed by ESA.

Action Calendar: Environmental Compliance Consultant Selection for the Syphon Reservoir Improvement Project
September 25, 2017
Page 3

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on September 13, 2017.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH ESA TO COMPLETE AN ENVIRONMENTAL IMPACT REPORT FOR THE SYPHON RESERVOIR IMPROVEMENT PROJECT FOR THE NOT-TO-EXCEED AMOUNT OF \$611,226.

LIST OF EXHIBITS:

Exhibit "A" – Environmental Compliance Consultation Selection Matrix for the Syphon Reservoir Improvement Project

Exhibit "B" – ESA's Scope of Work, Schedule and Cost Estimate for Preparing and EIR for the Syphon Reservoir Improvement Project

EXHIBIT "A"

| ltem | Description | Weights | | Dudek | | | Psomas | | ESA | | LSA |
|------|--|---------|---------------|------------------|-------|-------------|-------------------|---------------|------------------|---------------|-----------------|
| A | TECHNICAL APPROACH | | _ | | _ | _ | | | | | |
| 1 | Project Understanding | 30% | | 3 | = | | 4 | | 1 | | 2 |
| 2 | Project Approach | 30% | | 2 | _ | | 4 | | 1 | | 3 |
| 3 | Scope of Work / Level of Effort | 30% | | 2 | | | 4 | | 1 | | 3 |
| 4 | Schedule | 10% | | 2 | | | 4 | | 1 | | 3 |
| | Weighted Score (Technical Approach) | 60% | | 2.3 | | | 4.0 | | 1.0 | | 2,7 |
| В | QUALIFICATION AND EXPERIENCE | | | | | | | | | | |
| , | | | Joe | Monaco, AICP | | Kathl | een Brady, AICP | T | om Barnes | ١ | Nicole Dubois |
| 1 | PIC | | MA, 2 | 28 yrs experienc | æ | BS, 3 | 9 yrs experience | BA, 22 | + yrs experience | MA, | 15 yrs experie |
| | | 30% | | 2 | | | 3 | | 1 | | 4 |
| 2 | | | Sara | h Lozano, AICF | , | Je | ennifer Marks | Jennife | er Jacobus, PhD | | Nicole West |
| | Project manager | | | 17 yrs experienc | | BS, 1 | 7 yrs experience | PhD,15 | + yrs experience | MS, | 16 угѕ ехрегіе |
| | | 20% | | 2 | | | 3 | | 1 | | 4 |
| 3 | Project Team (See Team Evaluations) | 30% | | 2 | | | 3 | | 1 | | 4 |
| 4 | Firm's Relevance Experience | 20% | | 2 | | | 3 | | 1 | | 4 |
| | Weighted Score (Experience) | 40% | | 2.0 | | | 3.0 | | 1.0 | | 4.0 |
| | COMBINED WEIGHTED SCORE | 100% | | 2.18 | | | 3.60 | | 1.00 | | 3.22 |
| | | | No. | | | | | 115 | | WI | HINE I |
| С | SCOPE OF WORK | | | | | | | | | | |
| TASK | | | Task Hours | FEE | | ask ours | FEE | Task Hours | FEE | Task Hours | FEE |
| 1 | Project Initiation/Mgmt/Initial Study Screening | | 364 | \$68,780 | | 77 | \$10,170 | 310 | \$50,531 | 429 | \$66 |
| 2 | Collect & Review Existing Information/RFIs | | 124 | \$22,480 | - - | 34 | \$4,950 | 44 | \$6,776 | 80 | \$11 |
| 3 | Project Schedule | | 32 | \$5,840 | | 10 | \$1,750 | 32 | \$4,974 | 96 | \$15 |
| 4 | Technical Studies | | 154 | \$22,130 | 2 | 297 | \$36,510 | 1,120 | \$149,792 | 857 | \$119 |
| 5 | Coordination w/Consultants (Design/PR) | | 108 | \$18,360 | | 40 | \$5,875 | 84 | \$13,020 | 140 | \$21 |
| 6 | Develop Project Description/Identify Alternative | 96 | 150 | \$25,210 | - | 53 | \$7,420 | 180 | \$27,393 | 158 | \$19 |
| 7 | AB52 Tribal Cultural Resources | | 17 | \$2,500 | _ | 20 | \$2,260 | 58 | \$9,228 | _ | \$1 |
| 8 | Prepare NOP/Initial Study/NOC | | 160 | \$25,480 | | 34 | \$3,985 | 105 | \$13,525 | _ | \$2 |
| | | | \vdash | | _ | 54 | | 132 | | 128 | \$17 |
| 9 | Public Scoping | | 56 | \$10,290 | _ | - | \$6,440 | | \$19,202 | _ | \$96 |
| 10 | Prepare Admin Draft EIR | | 1,541 | \$253,425 | _ | 155 | \$58,040 | 821 | \$116,923 | 764 | |
| 11 | Prepare Screencheck DEIRs | | 314 | \$47,985 | _ | 202 | \$26,785 | 284 | \$38,779 | 340 | \$42 |
| 12 | Prepare Public Review DEIR/NOA/NOC | | 177 | \$28,815 | _ - | 60 | \$8,780 | 74 | \$8,965 | 236 | \$26 |
| 13 | Conduct Public Review Mtg | | 70 | \$11,850 | | 52 | \$5,960 | 84 | \$12,244 | 128 | \$17 |
| 14 | Prepare Final EIR/Response to Comments | | 278 | \$46,390 | | 51 | \$7,505 | 216 | \$33,229 | 692 | \$90 |
| 15 | Prepare MMRP | | 16 | \$2,310 | _ | 11 | \$1,305 | 30 | \$4,118 | 52 | \$6 |
| 16 | Prepare Findings/Statement of Overiding | | 72 | \$10,960 | | 73 | \$9,225 | 80 | \$10,604 | 76 | \$10 |
| | Concerns/NOD/Finalize EIR Subtotal Tasks 1 - 16 | | 3,633 | \$602,805 | 1. | ,523 | \$196,960 | 3,654 | \$519,302 | 4,202 | \$564 |
| _ | Parameter Section Company of Comp | | | | _ | _ | \$33,925 | | \$16,227 | _ | |
| D | MISCELLANEOUS | | | 044.050 | | 178 | | | | _ | |
| | Direct Costs/Reimburseables | | | \$11,850 | | - | \$25,200 | | \$12,535 | | 2 |
| | Sub-Consultants (Costs&Fees) | | \square | \$20,355 | | | | | \$41,580 | _ | \$2 |
| | Total Misc | | | \$32,205 | | 178 | \$59,125 | | \$70,342 | | \$46 |
| | TOTAL CONSULTANT SERVICES (CEQA +) | | 3,633 | \$635,010 | 1, | ,701 | \$256,085 | 3,654 | \$589,644 | 4,202 | \$61 |
| 17 | NEPA Compliance (Optional) | | 540 | \$89,960 | 2 | 246 | \$35,235 | 120 | \$21,582 | 747 | \$10 |
| | TOTAL CONSULTING SERVICES (W/ NEPA) | | 4,173 | \$724,970 | 1, | ,947 | \$291,320 | 3,774 | \$611,226 | 4,949 | \$71 |
| E | OTHER | | | | -1 | | | | | | |
| | Multiplier | | | N/A | | | N/A | | 3,40 | | 3.15 |
| | Sub Consultants | | Tr | ames Solutions | - ' | Linscot | t Law & Greenspan | VisionS | cape, Fehr&Peers | Corner | rstone, Ninyo&N |
| | Exceptions taken to IRWD Std. Contract | | | None | | | None | | None | | None |
| | Insurance Provided (General Liability) | | | Yes | | | Yes | | Yes | | Yes |
| | Insurance Provided (Professional) | | | Yes | | | Yes | | Yes | | Yes |

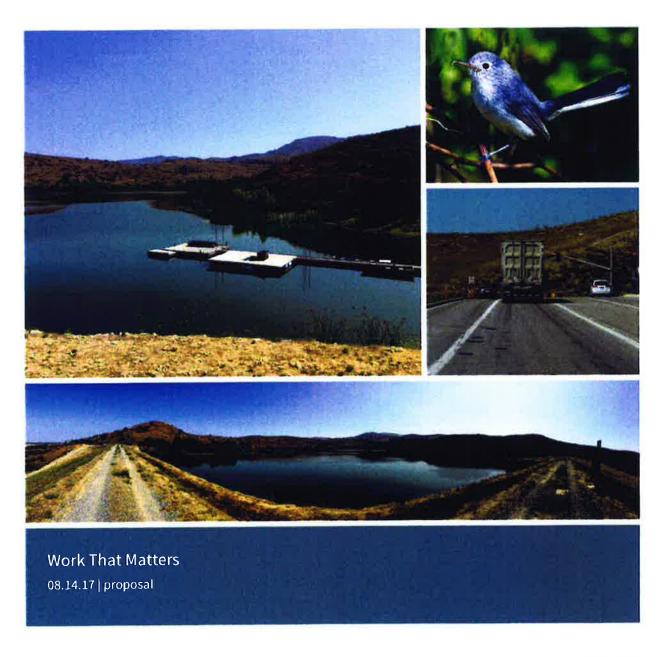
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EXHIBIT "B"



Irvine Ranch Water District

Proposal for Environmental Documentation for the Proposed Syphon Reservoir Improvement Project





Irvine Ranch Water District

Proposal for Environmental Documentation for the Proposed Syphon Reservoir Improvement Project

Work That Matters

August 14, 2017

Prepared for: Irvine Ranch Water District

Fiona M. Sanchez Director of Water Resources

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P170348.00





626 Wilshire Boulevard Suite 1100 Los Angeles, CA 90017 213.599.4300 phone 213.599.4301 fax

August 14, 2017

Fiona M. Sanchez Director of Water Resources Irvine Ranch Water District 15600 Sand Canyon Avenue Irvine, CA 92718

Subject: Proposal for Environmental Documentation for the Proposed Syphon Reservoir Improvement Project

Dear Fiona:

Irvine Ranch Water District (IRWD) is embarking on an ambitious project to expand Syphon Reservoir to provide critical operational storage capacity and ensure maximum beneficial use of recycled water as part of IRWD's water supply portfolio. We understand that the Syphon Reservoir Improvement Project is important for the region because it will reduce dependency on imported water, especially during summer months, and maintain operational efficiency at IRWD's water recycling plants. Successful completion of the environmental documentation for this complex opportunity will require a team fully versed in environmental impacts associated with construction of new dams and reservoirs and the intricacies of the Central and Coastal Natural Community Conservation Plan/Habitat Conservation Plan (NCCP/HCP). Our ESA Team includes Jennifer Jacobus, PhD as Project Manager, a known and trusted partner to IRWD. Jennifer is supported by Tom Barnes as Project Director and a technical team that includes seasoned biologists with decades of experience working in Orange County and within the NCCP/HCP area. Combined with Jennifer and Tom's experience with projects at Crafton Hills Reservoir and Lake Perris Dam, our ESA Team has the unique expertise required to complete the environmental documentation for the Syphon Reservoir Improvement Project and keep the project on track and on schedule.

Why ESA?

A Known and Trusted Partner: Jennifer, Tom, and our technical team have worked on numerous IRWD projects, understand your expectations and infrastructure, and will deliver customer service of the highest caliber. ESA has provided environmental compliance services to IRWD since 2005, including California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA) documentation; technical surveys and assessments for biological resources, cultural resources, air quality, surface hydrology, and water quality; and mitigation monitoring during project construction. ESA has held an on-call services contract with the District since 2009. We pride ourselves on building relationships with clients such as we have with IRWD, working to understand agency culture and expectations, and partnering with staff to understand their needs. We understand and appreciate IRWD's high standards for quality professional services and have built institutional knowledge of District water and wastewater infrastructure, giving us insight that allows us to provide such services in a cost-efficient manner.

CEQA/NEPA Experts and a Team that Specializes in Water Projects: Jennifer and Tom are leaders in our southern California Water Practice Group, which is unmatched in our exclusive focus on water industry clients like IRWD. We deliver environmental compliance strategies that are legally defensible at a level of effort that is appropriate for every project, and with a holistic vision for how CEQA can serve and benefit project design, operation, and permitting.

Recent and Relevant Experience with CEQA Compliance for Dam and Reservoir Projects: Our Management Team and Technical Team will bring their understanding of critical issues associated with new dams and expanded reservoirs – such as the Lake Perris Dam Retrofit and Crafton Hills Reservoir Enlargement – to ensure environmental issues are not

Ms. Fiona M. Sanchez August 14, 2017 Page 2

overlooked. Key issues we identify in our proposal include biological impacts onsite on deed-restricted lands in the NCCP/HCP; construction-related impacts to traffic, air quality and noise; and visual impacts of a new and higher dam. ESA's Technical Team includes all in-house staff, with the exception of two subconsultants: VisionScape will provide visual simulations of the new dam, and Fehr & Peers will provide a Traffic Study that focuses on project construction.

NCCP/HCP and Agency Consultation Expertise: With the acquisition of PCR in 2015, ESA gained a seasoned team of biologists in our Irvine office with decades of experiences working with Orange County habitats, species, and the NCCP/HCP. Steve Nelson, Scott Holbrook, and Maile Tanaka have extensive understanding of coastal sage scrub habitat and associated species and have put forth a scope of work that is proactive and can support creative solutions for biological mitigation strategies for the Syphon Reservoir site. Our ESA team has relationships with regulatory agencies, such as the NCC, CDFW, USFWS, and Reclamation, and experience consulting early with such agencies to negotiate mitigation strategies.

Proven Customer Service: IRWD will require strict schedule management and regular progress reporting for this Project. Through our working history with IRWD, ESA has repeatedly demonstrated our ability to be flexible to meet the schedules the District requires. As Project Manager, Jennifer will draw on her experienced team to ensure that our work assignments are completed efficiently and on time, keeping the project moving forward. She will be ESA's primary point of contact and responsible for ensuring all correspondence and updates are provided so IRWD staff can keep its and Executive Management team and Board of Directors informed about progress as required.

We appreciate this opportunity to submit our proposal to IRWD for the Syphon Reservoir Improvement Project. Please feel free to contact me or Jennifer Jacobus at 213 599-4300, or tbarnes@esassoc.com, jjacobus@esassoc.com, if you have any questions or need additional information.

Sincerely,

Tom Barnes

Vice President and Director

ESA Water Group

Jennifer Jacobus, PhD Senior Managing Associate

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ESA Water Group

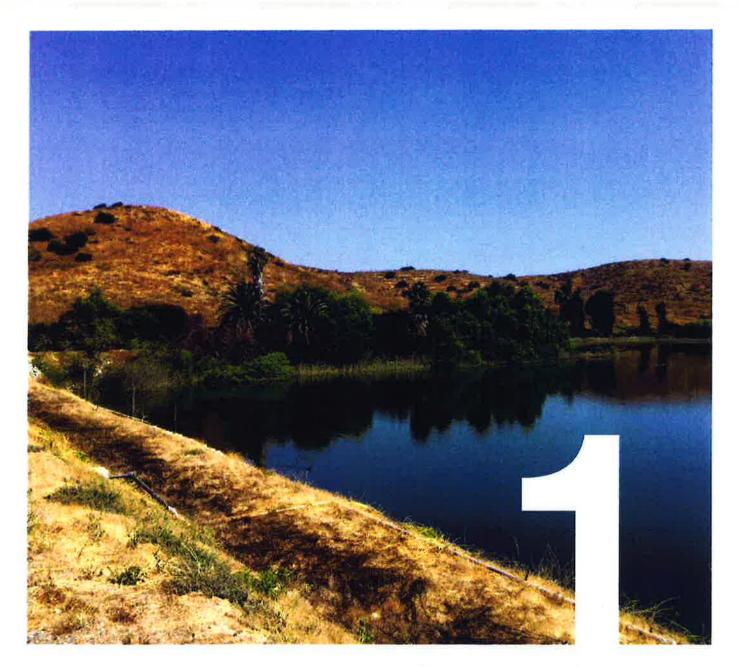


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Scope of Work





Section 1

Scope of Work



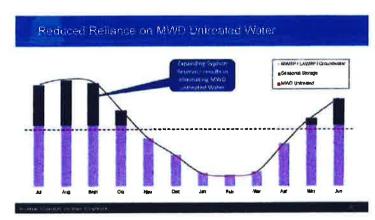
Project Understanding

Syphon Reservoir is an existing recycled water storage reservoir located in Irvine, California. Irvine Ranch Water District (IRWD) acquired Syphon Reservoir in 2010 from the Transportation Corridor Agency (TCA) and implemented the Syphon Reservoir Interim Facilities, which made minor improvements to integrate the reservoir into IRWD's recycled water system. IRWD produces recycled water at its Michelson Water Recycling Plant (WRP) and Los Alisos WRP and provides this water to customers primarily for agricultural and landscape irrigation, as well as industrial processes, toilet flushing and cooling towers. When recycled water production exceeds seasonal demands, recycled water can be stored at Syphon Reservoir, as well as San Joaquin, Rattlesnake, and Sand Canyon Reservoirs.

IRWD is proposing to implement the Syphon Reservoir Improvement Project, which would increase the reservoir storage capacity by replacing the existing 59-foot high Syphon Dam with a new embankment dam that would be up to 136 feet high. By replacing the Dam, the storage capacity at Syphon Reservoir would increase from 535 acre feet (AF) to 4,960 AF. Existing onsite strainer and disinfection facilities would be replaced with larger facilities. The Project would be integrated into IRWD's recycled water system through a new pumping station and offsite pipeline that are already built.

Improvements to Syphon Reservoir would provide seasonal storage to optimize the use of recycled water and meet current and future recycled water demands. Annual recycled water demands, which are dominated by

1 | Scope of Work



irrigation uses, fluctuate considerably due to seasonal variations. IRWD's existing recycled water storage reservoirs allow IRWD to store surplus recycled water produced at the WRPs during periods of low demand (winter months) and then use the stored water during periods of high demand (summer months). Currently, once the storage reservoirs are full in winter months, excess recycled water supplies are lost to ocean disposal, and then IRWD must

purchase supplemental imported water from Metropolitan Water District of Southern California (MWD) to meet summer demands. Based on projected demands and supplies, IRWD estimates that it will need an additional 3,200 AF of seasonal storage in 2020 and about 4,500 AF by the year 2030. The Syphon Reservoir Improvement Project would provide the necessary additional storage to allow IRWD to meet its projected seasonal storage needs. The Project would also reduce reliance on MWD imported water during summer months, reduce diversions of sewage to Orange County Sanitation District, and reduce discharges of recycled water to the ocean that could otherwise be used by IRWD customers.

Syphon Reservoir is located within the Central and Coastal Natural Community Conservation Plan/Habitat Conservation Plan (NCCP/HCP) and is included as an operating reservoir allowed within the NCCP/HCP Reserve. Implementation of expanded seasonal storage for recycled water purposes was anticipated and identified as a permitted use in the NCCP/HCP. In addition, the Syphon Reservoir property is subject to deed restrictions; TCA as the previous owner committed lands for mitigation of impacts associated with the Eastern Transportation Corridor Project. As a result of the Syphon Reservoir Improvement Project, the water surface elevation would increase from 376 feet above mean sea level (amsl) to 456 feet amsl, expanding the shoreline and inundating up to approximately 78 acres that currently support upland and wetland vegetation communities that are within the NCCP/HCP Reserve area and deed restricted lands (Syphon Reservoir Environmental Regulatory Evaluation, Dudek 2012).

Water levels at Syphon Reservoir would fluctuate seasonally; however, as water is stored in winter when recycled water supply exceeds demand and the reservoir is drawn down in summer when demand exceeds supply. The estimated minimum operating capacity of the reservoir would be about 180 AF to maintain water quality (GEI 2012).

Requested Services

IRWD has requested environmental documentation for the Project, specifically preparation of an environmental impact report (EIR) in accordance with the California Environmental Quality Act (CEQA). IRWD intends to pursue funding for the Project from the U.S. Bureau of Reclamation (Reclamation), and as such, environmental documentation must meet the requirements of the National Environmental Policy Act (NEPA). As stated in the Addendum to the RFP, IRWD requests a CEQA-Plus document that is NEPA-ready.

1-2 esassoc.com

IRWD has completed an Engineering Feasibility Study for the Project (GEI Consultants 2012). Further preliminary design and engineering work will occur concurrently with preparation of the CEQA/NEPA document. Although a geotechnical assessment was completed to support the Feasibility Study, IRWD expects additional and substantial geotechnical investigation will be required to inform the design of the dam and reservoir.

Approach

Specialized Project Management Team

ESA has been a partner with IRWD, providing environmental compliance services for over 10 years. **ESA's team for this Project will be led by Jennifer Jacobus as designated Project Manager, supported by Tom Barnes as the Project Director.** Jennifer has maintained a long-standing relationship with IRWD staff and has a proven track record of successful CEQA compliance for many IRWD projects, including large controversial projects and those with vocal local community stakeholders, such as the Michelson WRP Phase II and III Expansion Project Supplemental EIR (a.k.a. the Biosolids Project) and the Baker Water Treatment Plant EIR and Addenda. Through these projects, Jennifer has a history of working with IRWD's Public Affairs staff to discuss messaging and prepare public presentation materials. Jennifer also has a history of working with IRWD's Engineering staff as integral and crucial members of project teams. These experiences will serve the Syphon Reservoir Improvement Project, given Jennifer's understanding of IRWD's expectations and style. Jennifer will be the cornerstone of ESA's team as the primary contact, participating in all meetings and providing consistency and reliability in the flow of information between IRWD and ESA's team.

In addition, Jennifer and Tom both have experience completing the CEQA process for similar dam and reservoir projects. Jennifer managed the EIR for the Department of Water Resources' Crafton Hills Reservoir Enlargement Project, which built a new dam in the drainage adjacent to the existing reservoir to enlarge the reservoir. Tom managed the EIR for DWR's Perris Dam Remediation Project, which implemented a seismic remediation of the Lake Perris Dam, requiring lowering of the lake elevation and 2 million cubic yards of soil hauling. Tom led the preparation of the EIR and permit process strategy required for inclusion in Riverside County's Multi-Species Habitat Conservation Plan (MSHCP).

Coordination and Project Development

The Project Team will include IRWD staff (Planning, Public Affairs, Engineering) and separate consultants for program management, design, public outreach, and environmental compliance. As the environmental compliance consultant, ESA will maintain open channels of communication with all Project Team members, focusing on responsiveness, reliability, and transparency. Starting with the kick-off meeting, ESA will work with IRWD to develop a clear expectation for communication protocols among team members to ensure efficient coordination and make sure schedule and progress reports are provided as needed.

The design process for the Project will proceed in parallel with the CEQA/NEPA process. A preliminary design report may not be complete prior to release of the CEQA document. IRWD has indicated there will be an owner's representative and engineering design



1 | Scope of Work

consultant that will provide the information ESA needs to develop an adequate Project Description for purposes of CEQA/NEPA. Our starting point will be the dam design options included in the Engineering Feasibility Study (GEI 2012), as well as other options identified by the owner's representative and design consultant team. In addition, the design consultant will provide information about the nature and extent of additional geotechnical investigation required, along with methods and materials. The benefit to tandem design and environmental processes is the opportunity for ESA to provide early feedback regarding environmental constraints that may inform the dam and reservoir design, and potentially avoid schedule delays.

Leveraging Existing Documentation

There is extensive information already available about the project site, design, constructability, and environmental constraints included in the following existing reports:

- > Phase I Environmental Site Assessment (2009)
- > Syphon Reservoir Expansion Engineering Feasibility Study (GEI 2012)
 - Constructability Analysis
 - Geotechnical Data Report
 - Water Quality Study of Expanded Syphon Reservoir
 - Inundation Study
- > Syphon Reservoir Environmental Regulatory Evaluation (Dudek 2012)
- > Syphon Reservoir Interim Facilities IS/MND (Dudek 2013)

ESA will leverage the existing information to the extent feasible in developing the project description and in our environmental impact analyses. These reports will be our first stop for information, upon which we will build through coordination with the greater Project Team and then supplement with additional research and analysis as needed.

CEQA Compliance Options

According to IRWD, additional geotechnical investigation will be required to inform the design of the Syphon Dam and Reservoir. Based on conversations with IRWD staff, we understand that the results of the investigation will determine the feasibility of reusing soils onsite versus the need to import large quantities of materials to construct the dam. IRWD has the option to prepare one CEQA document that simultaneously assesses both the geotechnical investigation and the Project, or two separate documents that separates the geotechnical from the larger dam construction project. There are benefits and risks associated with each approach.

Two Documents: If two documents are prepared, we assume that IRWD would first prepare an Initial Study/Mitigated Negative Declaration (IS/MND) for the geotechnical investigation requiring 9 to 12 months to complete (see schedule below). The IS/MND would require technical studies for Biological Resources and Cultural Resources and early consultation with the NCCP/HCP Natural Communities Coalition, California Department of Fish and Wildlife, and U.S. Fish and Wildlife Service to develop appropriate mitigation strategies. According to IRWD, the geotechnical investigation may require lowering the water elevation, construction of temporary access roads, and use of heavy equipment that will substantially disturb the site. The primary benefit associated with this approach is to allow the geotechnical work to proceed as soon as possible to inform the design process. Assuming a 3-month period to secure permits, the geotechnical work could start after 12 to 15 months. The permits required may include but not be limited to a California Fish and Game Code Section 1600

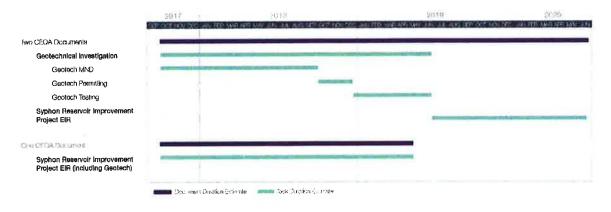
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Streambed Alteration Agreement, Clean Water Act Section 404/401 permit; and mitigation plan under the NCCP/HCP.

The spectrum of benefits and risks associated with this approach is summarized in **Table 1-1**. Under this approach, it may take up to 33 months to complete the environmental documentation for the Project (see schedule below). Generally, this approach is not recommended because the extent of site disturbance associated with geotechnical work will likely be similar to the disturbance associated with the dam and reservoir construction. Processing two separate sets of permit applications for the same site disturbance creates redundancy in effort and cost. In addition, this approach introduces a risk for claims of piecemealing the CEQA document

One Document: If one document is prepared, then the Project EIR will evaluate both activities, the geotechnical investigation and dam/reservoir construction. Without the results of the geotechnical investigation, the EIR may need to include a range of options for Project design and construction methods. Since the geotechnical investigation would result in substantial disturbance to a large part of the Syphon Reservoir property, including the area that would be disturbed due to implementation of the Project itself, covering all activities in one CEQA document may avoid the need for two sets of permit applications.

The spectrum of benefits and risks associated with this approach is summarized in **Table 1-2**. Under this approach, the schedule indicates a total of 20 months to complete the environmental documentation for the Project, in accordance with the schedule in the RFP. Given the shorter schedule and the potential to consult with wildlife agencies and develop mitigation strategies once for both activities, **ESA recommends preparing one CEQA document for the Project**, which is in line with IRWD's request in the RFP. However, given the universe of benefits and risks associated with this decision, ESA would welcome the opportunity to discuss the two approaches with IRWD, particularly once a design consultant is engaged, to vet this decision and make adjustments if necessary to best serve the Project schedule and goals. For the purposes of this scope of work, ESA has assumed the one document approach. The scope and cost would need to be modified if the two-document approach is ultimately chosen.



1 | Scope of Work

Table 1-1. Benefits and Risks of Preparing Two Environmental Documents

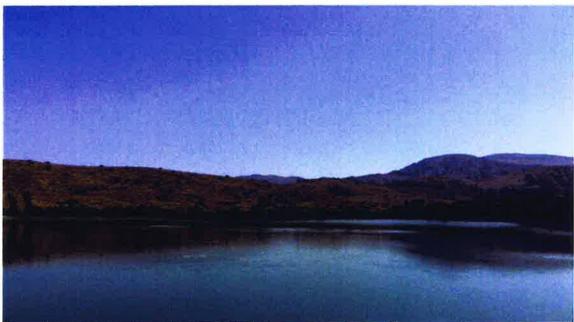
| Benefits | Risks |
|--|--|
| Geotechnical investigation can be completed sooner. | Segmenting the permitting efforts for the geotechnical investigation and the full Project creates redundant level of effort. |
| Geotechnical results can inform Project design sooner and provide greater certainty regarding Project feasibility and design. | Potential risk for claims of piecemeal for the CEQA document. |
| Project EIR could include a refined Project Description that incorporates geotechnical results, reducing the range of options to be evaluated and potential associated impacts and mitigation. | CEQA/NEPA process overall takes 33 months to complete. |
| Lower risk of having to do a subsequent CEQA document due to changes in the Project after the geotechnical investigation is complete. | Costs may be greater due to longer schedule and two separate documents. |

Table 1-2. Benefits and Risks of Preparing One Environmental Document

| Benefits | Risks |
|--|---|
| The CEQA process is completed more quickly in 20 months instead of 33 months. | Project is less defined and therefore greater effort is required to analyze a range of options, which results in a more complex document and potentially greater number of mitigation measures. |
| Lower costs associated with a shorter schedule and consolidated efforts to consult with resource agencies once and secure permits. | The results of the geotechnical investigation could change the Project Description and, if the change is great enough, require a subsequent CEQA document. |
| Avoid potential risk for claims of piecemeal for the CEQA document. | The ability to initiate the geotechnical investigation is delayed by about a year. |
| Combine permitting effort – one consultation and mitigation negotiation with wildlife agencies to cover both geotechnical investigation and Project. | |
| CEQA document covers the whole of the action which is preferable for Section 106 consultation for impacts to cultural resources | |

NEPA Compliance

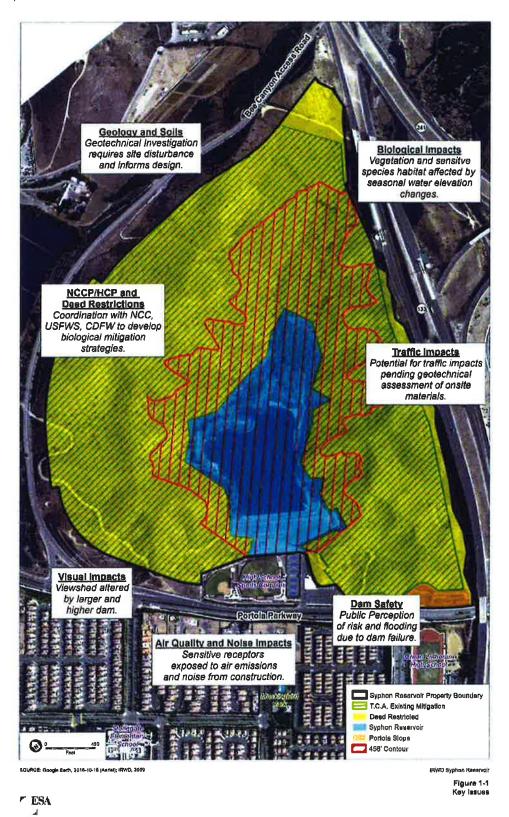
For funding through the U.S. Bureau of Reclamation, our experience is that CEQA-Plus is sufficient for NEPA compliance. The State Water Resources Control Board has developed CEQA-Plus guidelines as a way to streamline NEPA compliance through the CEQA process. CEQA-Plus documents resemble standard CEQA documents but with additional information to assist with federal government consultations. CEQA-Plus documents typically include robust technical reports for biological resources and cultural resources. Our scope of work assumes a CEQA-Plus EIR will be prepared for the Project.



ESA works with Reclamation early in the CEQA/NEPA process to understand the necessary format and content of the biological and cultural technical reports, which Reclamation uses for its federal agency consultations with the U.S. Fish and Wildlife Service and the Office of Historic Preservation. Our team includes Steve Nelson and Michael Bever, who oversee ESA's teams of biologists and archaeologists, respectively, who regularly prepare technical reports, including Biological Assessments and Phase I Cultural Resources Assessments, for purposes of such consultations. Previously, Jennifer has coordinated with Reclamation on behalf of IRWD to facilitate NEPA compliance for the Strand Ranch and Stockdale Integrated Banking Projects.

Key Issues

Our scope of work will cover all environmental topics required by CEQA, as described further below. However, the following are key issues associated with the Project and drive our approach to successful CEQA compliance. These key issues are also highlighted in **Figure 1-1**.



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Biological Resources and NCCP/HCP Consistency

IRWD is a Participating Landowner in the NCCP/HCP. In preparation of this proposal, ESA reviewed the Syphon Reservoir Environmental Regulatory Evaluation (Dudek 2012), which estimates that the Project would seasonally inundate up to approximately 78 acres that currently support upland and wetland vegetation communities that are within the NCCP/HCP Reserve area, as well as deed restricted lands associated with the Syphon Canyon Dam and Reservoir Conveyance Agreement. The vegetation communities include coastal sage scrub and grasslands, freshwater marsh, mulefat scrub, and southern willow scrub. Although the Project is included in the NCCP/HCP, IRWD's NCCP/HCP reserve take allocation is less than 78 acres – e.g., 44.5 acres for coastal sage scrub – and therefore additional mitigation options would be required.

ESA's approach to evaluating impacts to biological resources and developing mitigation strategies for the Project will start with leveraging and building upon the work already done, to the extent possible. Then early consultation with wildlife agencies is recommended to ensure mitigation strategies presented in the EIR will be acceptable for purposes of future permitting and Project implementation. Once the Project is defined by the Project Team, ESA would work with IRWD to develop an approach for early consultation with the Natural Communities Coalition (NCC), which is the managing body for the NCCP/HCP. The main purpose of NCC is to coordinate the land management, monitoring and research within 38,000 acre Reserve System. The NCC Board of Directors includes representatives from the wildlife agencies (e.g., CDFW and USFWS). These consultations would facilitate discussion about impacts, NCCP/HCP take allocations, and mitigation strategies that are forward-looking to ensure the mitigation measures in the EIR are feasible and acceptable to wildlife agencies and will smooth the way for future permitting. In addition, consultation with USFWS and potentially TCA regarding the deed restricted lands will be required to ensure any mitigation strategies are in conformance with the grant deed, or if necessary, to modify the grant deed (Dudek 2012).

Aesthetics and Visual Impacts

Replacing and raising the height of Syphon Dam will alter the visual landscape and views of the Project site from surrounding public vantage points, including the Crean Lutheran Church High School Sports Complex immediately below the dam and the adjacent residential areas and parks. Our approach includes visual simulations of the new dam from surrounding public view points, to inform the assessment of impacts to aesthetics, including visual character of the Project site and scenic vistas. ESA's Team includes VisionScape Imagery, Inc. (VisionScape) as a subconsultant to provide digital imagery and two "before-and-after" simulations of the dam, based on preliminary concepts and footprint to be provided by IRWD.

Construction Impacts and Sensitive Receptors

Implementation of the Project will result in disturbances within and around the site boundaries, including potential onsite road construction, mobilization, staging and operation of heavy equipment, delivery of equipment and materials, offsite disposal of excavated soils. Ground disturbance, equipment operation, truck trips and construction crew commutes all result in air emissions, noise and traffic. The Project site is adjacent to sensitive receptors such as residential areas, schools, and parks that are particularly affected by these temporary effects. Such impacts are important to local communities and may be issues of particular interest to localized stakeholders for this Project. Our approach is to evaluate the worst-case impacts to air quality, greenhouse gas (GHG) emissions, noise and traffic associated with the range of potential design and construction methods for the dam and reservoir. Our scope of work includes stand-alone technical studies for air quality and GHG emissions and traffic impacts. According to the Engineering Feasibility Study (GEI 2012), blasting is not expected for construction of the reservoir; therefore, we propose that a noise technical

1 | Scope of Work

study is not warranted. The technical studies will identify potential mitigation strategies to support the EIR analysis and ensure the adverse effects to the local community are minimized. Mitigation strategies will be flexible and adaptable to the ultimate Project design and construction methods.

Dam Safety

An Inundation Study has already been completed for the dam as part of the Engineering Feasibility Study (GEI 2012). The Inundation Study shows the flood extent and travel time from Syphon Reservoir to the Pacific Ocean at Newport Beach, generally following the Peters Canyon Channel and San Diego Creek floodplains. The land uses directly adjacent and downstream of Syphon Reservoir, which are characterized by recreational facilities, residences, and school facilities, would be flooded within 15 minutes in the event of a dam breach (GEI 2012, Figure 7.2). While the presence of the Syphon Dam and Reservoir is an existing condition and residential neighbors have been informed of the expansion project, public outreach and consistent messaging to the local community will be an important component to successful Project implementation. The Inundation Study will be used as the basis for the analysis in the EIR, but ESA's approach includes diligent coordination with IRWD's Public Affairs Department and public outreach consultant regarding description of the Project, its objectives and benefits, and the potential environmental impacts. Such coordination will be essential during every step of the CEQA process, from preparing scoping materials, to public meeting presentations, to development of impact language, to responding to comments.

Scope of Work

For the purposes of this scope of work, ESA has assumed that one EIR will be the appropriate document required for CEQA and NEPA compliance. The scope and cost would need to be modified if the two-document approach as identified in the Approach is ultimately chosen.

Task 1: Project Initiation/Management and Initial Study Screening

ESA will initiate the Project kick-off as well as manage day-to-day coordination and Project deliverables, as described in detail below.

Draft Initial Study, EIR Outline, Schedule

ESA will prepare a draft Initial Study based on our understanding of the Project as described in the Engineering Feasibility Study and it environmental effects. The Initial Study is not meant to be a comprehensive analysis, but rather a tool to identify critical environmental concerns associated with the Project. The Initial Study will inform the EIR outline, and determine which technical sections need to be discussed in detail in the EIR.

Based on the Project understanding, various components of the EIR and timelines, ESA will prepare an initial schedule for discussion with the Project Team. This initial schedule will be expanded upon under Task 3.

Deliverables:

- > Draft EIR Outline
- > Draft Initial Study
- > Schedule

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Project Kick-Off

The Project kick-off will include ESA's presentation of the Draft EIR outline and draft Initial Study at the Project *Kick-off Meeting*. Together, the Project Team will review and discuss the EIR outline, draft Initial Study, as well as Project concepts, responsibilities, initial schedule concepts, and scope of work. The Project Team will discuss the milestone deliverables, as well as determine frequency of regularly scheduled progress meetings/conference calls and progress reports. It should be noted that Project coordination and public meetings are covered under associated tasks within this scope of work. The Project Team will also discuss the Project alternatives as presented in the Engineering Feasibility Study, and IRWD will present the availability of data.

Project Management

ESA understands that IRWD intends the CEQA consultant to act as the Project Manager, ensuring adherence to IRWD's schedule and budget, conducting communication between IRWD and other IRWD consultants (design and public outreach), and ensuring quality control and assurance of deliverables. This will involve weekly communication between IRWD and Project Team members about Project process, schedules, deliverables, and budget. Every two weeks, the ESA Project Manager, Jennifer Jacobus, will prepare a brief Project status report that summarizes upcoming Project activities and recent developments. The status report will also include any relevant schedule updates as defined in Task 3. ESA understands these biweekly updates to be critical for IRWD staff to update management about the process of the Project.

This scope includes 19 coordination meetings with IRWD, which have been included in the respective tasks outlined below. ESA recognizes IRWD's need for the CEQA consultant to strategize meeting agendas and prepare meeting minutes that identify main discussion outcomes and action items from the meetings. While budget for meetings has been included in respective tasks as identified below, budget has been included in this task for meeting agenda and minute preparation.

ESA will manage the scope and budget and internal Project Team coordination. Written monthly progress reports will be submitted with billings that identify target dates for completion of current work tasks, deliverables, and meetings. It is assumed ESA's Project Manager will require 10 hours per month of project management time over the duration of the contract (October 2017 to May 2019; 20 months).

Task 2: Review Existing Information/Submit a Request for Information

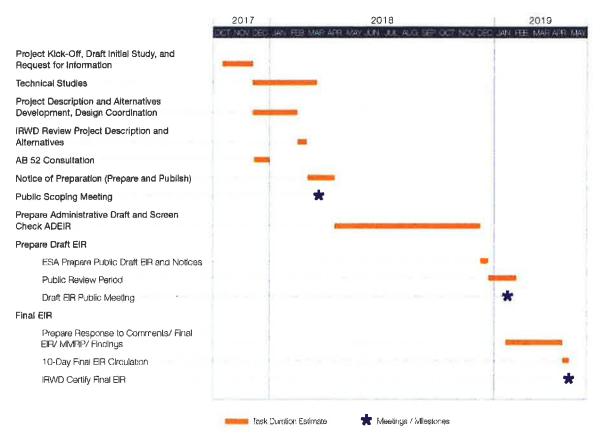
A number of documents have been prepared by IRWD consultants to determine the feasibility and regulatory and environmental constraints of the Project. ESA will review these documents, including the Syphon Reservoir Expansion Engineering Feasibility Study, Syphon Reservoir Environmental Regulatory Evaluation, and the Mitigated Negative Declaration (MND) for the Syphon Reservoir Interim Facilities Project. ESA will prepare a Request for Information (RFI) based on review of existing documentation. The RFI will also include extensive data needs to support the technical reports/studies included in Task 4 below. ESA understands that IRWD will assist in reviewing reports and providing the necessary data to conduct the environmental analysis.

Deliverables:

> Request for Information

Task 3: Project Schedule

Based on discussions with IRWD and information reviewed under Task 1 and Task 2, ESA will prepare a detailed schedule providing adequate preparation of all phases of environmental documentation and public notices, review of deliverables by IRWD, and coordination with IRWD and its consultants. ESA understands that IRWD wishes to certify the CEQA document by May 2019. Based on the schedule provided by IRWD, ESA assumes the Project will require approximately 20 months between October 2017 and May 2019. ESA will make revisions to the schedule as necessary throughout the duration of the Project to inform the Project Team of the progress and status of the environmental process. Bi-weekly updates will be provided to IRWD as part of the Project status reports. When compiling the schedule, ESA understands that IRWD will require two weeks to review the draft Project Description and three weeks to review each CEQA documentation deliverable. ESA has prepared a draft Project schedule below to demonstrate how the 20 month schedule can be achieved based on main Project milestones provided in the RFP. This schedule is also included in Section 4.



Task 4: Technical Studies

Upon review of available Project-related documents, ESA has determined that the following technical studies and documents will be required to support the CEQA documentation: Visual Simulations of the proposed dam; Air Quality/Greenhouse Gas Technical Report; Biological Resources Technical Report; Cultural Resources Assessment; Noise Study; and Traffic Study. The scope of work for each technical study is described below.

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Aesthetics - Visual Simulations

ESA's subconsultant, VisionScape, will prepare two visual simulations to illustrate the impacts of constructing the proposed 136-foot high dam in a "before & after" analysis as it would appear following construction. VisionScape will use photo-realistic 3D modeling, GPS engineered site photography and digital imaging. The visual simulations will be based on preliminary concepts and footprint to be provided by IRWD.

Deliverable:

> Draft and final visual simulations

Air Quality/Greenhouse Gas Technical Report

ESA will perform air quality and greenhouse gas (GHG) analyses pursuant to the standards and guidelines set forth by the California Air Resources Board (CARB) and the South Coast Air Quality Management District (SCAQMD). The analysis will describe the existing environmental setting and pertinent statutes and regulations at the local, regional, state and federal level.

ESA will also quantify construction and operational air pollutant and GHG emissions using SCAQMD's recommended California Emissions Estimator Model (CalEEMod) or other appropriate methods. Construction emissions will be based on the provided construction schedule, equipment mix, earthmoving operations, and number of construction worker and delivery trips for one scenario associated with the Project design options – either reuse of on-site of soils, or export/import of soils. Operational emissions will be based on estimated vehicle trips based on the Project's traffic study and default trip length assumptions. ESA will include a quantitative analysis of construction and operational emissions. Localized impacts will be evaluated using the SCAQMD Localized Significance Threshold (LST) mass-rate lookup tables. Analysis of localized operational emissions would not include on-site combustion equipment such as gas turbines, large boilers or other industrial equipment requiring an SCAQMD permit. ESA will also include a qualitative evaluation of carbon monoxide hotspots, a brief discussion of long-term operational health risks, odor impacts, and cumulative air quality impacts.

Based on the proximity of the Project to pollutant-sensitive land uses (e.g., residences south-west of the Project site) and revised health risk assessment guidance from the Office of Environmental Health Hazard Assessment (OEHHA), ESA recommends that the potential for construction toxic air contaminant (TAC) impacts be assessed with a refined health risk assessment (HRA). The refined HRA will be performed using the AERMOD dispersion model and the CARB Hot Spots Analysis Reporting Program (HARP) model or spreadsheet methodology in accordance with the OEHHA guidance to quantify potential impacts from diesel particulate emitted during construction. The HRA would focus on impacts to nearby residential uses resulting from DPM emitted from construction equipment and trucks. If potentially significant health risk impacts are identified, ESA will develop mitigation measures where feasible to address and reduce the significant impacts.

ESA will analyze GHG emissions of Project construction and operation in accordance with the latest CEQA GHG guidelines. The analysis will estimate GHG emissions attributable to the Project for the following sources: construction, area sources, mobile sources, energy consumption (electricity and natural gas), water consumption, and solid waste generation, consistent with the recommendation by the Governor's Office of Planning and Research (OPR) in its Technical Advisory: CEQA and Climate Change (2008). Construction- and operations-related GHG emissions will be quantified using the most recent version of the CalEEMod computer

model. The Project's GHG emissions may be compared to the goals and recommended actions of the State's Climate Change Scoping Plan and other applicable state regulations.

This scope assumes that details regarding construction of the proposed Project (i.e. schedule, excavation and import/export volumes, construction equipment list and weeks/hours of operations, etc.) will be provided by IRWD,

Deliverables:

> Draft and final air quality/GHG technical report

Biological Resources Technical Report

1. Conduct Literature Review

ESA will review relevant literature and environmental documentation for the project and related actions, including pertinent regulatory documentation, including but not limited to the following:

- > Syphon Reservoir Environmental Regulatory Evaluation, Preliminary Draft (Dudek 2012)
- > Syphon Reservoir Expansion Engineering Feasibility Study Engineering Summary Report (GEI Consultants, Inc. 2012)
- > Final Syphon Reservoir Interim Facilities Initial Study/Mitigated Negative Declaration (Dudek 2013)
- > County of Orange NCCP/HCP, for the Central & Coastal Subregion and Implementation Agreement
- > Conveyance Agreement / Grant Deed Syphon Canyon Dam and Reservoir (The Irvine Company 2009)
- > Documentation regarding TCA's mitigation commitments for the Reservoir property



aerial photographs, as appropriate.

ESA will also review relevant literature regarding sensitive resources that have the potential to occur in the project site and vicinity. The literature review will include an inquiry to the California Natural Diversity Data Base (CNDDB) and California Native Plant Society (CNPS) Online Inventory, for information regarding sensitive species and habitats in the region. Additional information sources may include U.S. Fish and Wildlife Service (USFWS) and California Department of Fish and Wildlife (CDFW) publications, scientific journal articles, and historic and current

2. Conduct Agency / Stakeholder Coordination

Conveyance Agreement/Grant Deed – ESA recommends early coordination with the USFWS, TCA, and other appropriate parties (e.g., the Natural Communities Coalition (NCC), The Irvine Company) to discuss and determine mitigation commitments and potential modifications of the Conveyance Agreement and/or the Grant Deed restrictions over areas affected by the proposed Reservoir Expansion. The preliminary draft environmental regulatory evaluation (2012) notes that "no conservation easement exists on the property; however, restrictions were incorporated into the grant deed to provide for conservation of biological resources." Moreover, since the Transportation Corridor Agencies (TCA) and USFWS are third party beneficiaries of the grant deed, and as discussed during IRWD's 2011 meeting with the USFWS, it is expected that the grant deed would need to be modified to allow the project to be approved and implemented. Determining the process for

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modifying the grant deed, and any replacement mitigation should be prioritized, since this may affect the project's schedule. IRWD will likely need to consult their legal counsel during this process.

NCCP/HCP Minor Amendment – The regulatory evaluation also notes that at the meeting in 2011 with IRWD, a USFWS representative confirmed that a Major Amendment to the NCCP/HCP would not be required for the proposed reservoir expansion. However, a Minor Amendment may be necessary. ESA anticipates that we would participate with IRWD in discussions and coordination with USFWS and with the Natural Communities Coalition (NCC), formerly Nature Reserve of Orange County (NROC), and California Department of Fish and Wildlife (CDFW) regarding the specifics of any minor amendment.

Develop Mitigation Strategy and Coordinate with Agencies/Stakeholders – ESA will also work with IRWD to facilitate discussion and coordination with USFWS and other stakeholders and resource agencies (e.g., NCC, CDFW, TCA, U.S. Army Corps of Engineers [USACE], and Regional Water Quality Control Board [RWQCB]) regarding potential mitigation options for the proposed project. The 2012 Environmental Regulatory Evaluation presented and discussed a range of different mitigation options and associated costs. Prior to initiating discussion with the resource agencies and other stakeholders, ESA would use that information as the starting point for considering mitigation scenarios and identify a one or more preferred options and strategies in coordination with IRWD. Once certain goals have been identified, we would work with IRWD to present and discuss the most appropriate and reasonable mitigation strategies to the agencies and stakeholders.

Confirm Requisite Studies - ESA will prepare a brief outline of the work plan for proposed biological studies and coordinate with the USFWS to confirm that the focused surveys identified in our work plan are both necessary and sufficient for completion of the analysis for both the CEQA-Plus environmental document and other requisite consultations. It is assumed that the focused surveys identified under this scope of work will be required by the USFWS and/or CDFW, because the results of special-status species surveys are not considered valid for more than two years. However, since coastal California gnatcatchers have already been documented on the project site from previous years of focused surveys, it is possible that USFWS could forego more surveys since the species is assumed to be present and occupying the coastal sage scrub habitat. It is our understanding that no protocol surveys for least Bell's vireo (LBV) or Southwestern willow flycatcher have been conducted on the subject property, although LBV have been observed during cowbird trap maintenance. Since the site contains suitable habitat, we would expect USFWS to request protocol surveys for both species, to better understand the numbers of LBV that may occur and to confirm presence/absence for the flycatcher.

Identify Information Needs to Confirm Jurisdictional or Non-Jurisdictional Determination – ESA recommends early coordination with the U.S. Army Corps of Engineers (USACE) and the Environmental Protection Agency (EPA) to obtain a written determination regarding whether the reservoir is subject to federal jurisdiction as "waters of the U.S.". Notes from an IRWD meeting with a USACE representative in 2011, indicated that there was no formal determination regarding jurisdiction and it was indicated that a potentially lengthy review could be necessary for a final determination. ESA proposes to coordinate with IRWD regarding this issue and then initiate contact with these agencies to formally identify the information that would be needed to assist in their determination. The information obtained would be used to refine the task identified below to prepare a jurisdictional assessment in accordance with USACE and EPA guidelines.

Although not required for the EIR, it will be critical to determine whether the reservoir would be subject to federal jurisdiction because the outcome may substantially affect the requisite environmental analyses and,

potentially, the project schedule if such a determination is not made in the near term and it turns out to be subject to federal regulatory authority as "waters". If it is, then the project would almost certainly need to complete an application for an Individual Permit which includes a federal environmental review (NEPA) and a potentially cumbersome alternatives analysis in accordance with Section 404(b)(1) of the Clean Water Act.

ESA believes a strong case exists for the reservoir to be determined non-jurisdictional since it does not appear to be an impoundment of jurisdictional waters but could be considered a "wastewater recycling facility constructed on dry land" and as such, not "waters" (see 33 CFR §230.3 (o)(2)(vii)). However, as it is ultimately the federal agency(ies) that make the determination, if the reservoir is considered jurisdictional "waters", and an Individual Permit will be required, it will be essential to plan for and provide the necessary NEPA review and alternative analyses, sufficient to support the Individual Permit application, as part of this environmental review for efficiency and to avoid project schedule impacts.

3. Update/Refine Jurisdictional Delineation

ESA biologists and regulatory/environmental scientists will perform an updated analysis and assessment of wetlands and "waters of the U.S./State" within the project site potentially subject to the jurisdiction of the USACE, RWQCB, and/or CDFW. Based on information and guidance obtained under item 2, above, the reservoir itself will be considered with regard to federal jurisdiction. If specified by USACE or EPA, a jurisdictional assessment will be prepared for review by these agencies to facilitate their specific determination regarding the reservoir. Otherwise, any potentially jurisdictional areas on site will be delineated in accordance with current guidelines and practices provided by Section 404 of the Clean Water Act (CWA), and in keeping with specific guidance issued by the L.A. District, and also by the CDFW under Section 1600-1607 of the California Fish and Game Code. Wetlands will be delineated using the procedures required by the USACE's 1987 Wetland Delineation Manual and the 2008 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region.

Upon completion of the field work, ESA will prepare a report to document and described the current conditions and extent of potential jurisdictional waters and wetlands within the project site. The findings will include a map illustrating the location, extent, and acreage of all jurisdictional waters (including soil pit locations, if applicable); the field data sheets which include information on soils, vegetation, and hydrology; a brief discussion of the relative quality of each stream or wetland; and, an approximation of duration of surface flow (i.e., ephemeral, intermittent, or perennial).

4. Conduct Biological Studies

<u>Update Vegetation Mapping / General Biological Survey</u> – The general biological survey will focus primarily on characterizing plant communities. Any raptor nests or special status wildlife species occurrences noted during general surveys and mapping efforts will be included in the technical report (see item 5 below). ESA biologists will update and refine the vegetation map that was previously prepared for the project site to reflect current conditions. The study area is assumed to be the property itself plus a buffer of open space extending out to the various roads that surround the property. The study area will be discussed with IRWD and confirmed under item 2 above. Plant community map checking and refinements will be accomplished using current aerial photography and topographic mapping (if available) to accurately delineate each plant community. The field map will be digitized using Geographic Information System (GIS) technology and the resultant baseline mapping used to determine the extent of potential project effects on each plant community.

Conduct Presence/Absence Survey for Coastal California Gnatcatcher - ESA biologists will perform USFWS protocol surveys for the federally-threatened coastal California gnatcatcher (*Polioptila californica californica*). A maximum of six surveys are proposed to be performed during the breeding season within all potentially suitable habitat on the site, each at least one week apart. ESA will notify the USFWS at least 15 working days prior to the anticipated start date of survey work.

A letter report of findings including required information and map data will be submitted to the USFWS within 45 days of completion of protocol surveys. The letter report will include the project site location plotted on U.S. Geological Survey (USGS) 7.5-minute topographic map; plant community map, qualitative description of the habitat, and description of plant composition on and adjacent to the area surveyed; survey methodology including list of all biologists, number of acres of habitat surveyed, and the number and dates of surveys; characterization of land uses surrounding the project site; mapping of precise locations where any coastal California gnatcatcher are detected; a full account of numbers and behavior of any coastal California gnatcatcher, if observed, which will be utilized by the CNDDB.

Conduct Presence/Absence Survey for Least Bell's Vireo and Southwestern Willow Flycatcher - ESA biologists will perform standard USFWS protocol surveys to determine presence/absence of the federally- and State-endangered least Bell's vireo (Vireo bellii pusillus). Eight surveys of all suitable habitat are proposed to be conducted, each survey at least 10 days apart between April 10 to July 31.

ESA biologists will also perform approved USFWS protocol surveys to determine presence/absence of the federally- and State-endangered southwestern willow flycatcher (*Empidonax traillii extimus*) to coincide with the LBV surveys. Five surveys of all suitable habitat on-site will be conducted as follows, one survey between May 15 and May 31, the second between June 1 and June 24, and the last three between June 25 and July 17. All surveys will be conducted at least five days apart and will begin at dawn and end between 9:00 and 10:00 A.M. depending on the temperature, wind, background noise, and other environmental factors. Survey methods will include the use of "pishing" and tape recordings in order to elicit responses. ESA will notify the USFWS 15 days prior to the anticipated start date of survey work.

A letter report of findings will be submitted to the USFWS and the CDFW within 45 days of completion of surveys. The letter report will include the project site location plotted on USGS 7.5-minute topographic map; plant community map, qualitative description of habitat, and description of plant composition within the area surveyed; survey methodology including list of all biologists, number of acres of habitat surveyed, and the number and dates of surveys; mapping of precise locations of any least Bell's vireo or southwestern willow flycatcher detected; full account of numbers and behavior of any least Bell's vireo detected; full account of numbers and locations of all brown-headed cowbirds detected; and, completed field forms showing the locations of LBV or southwestern willow flycatcher, if observed.

<u>Conduct Presence/Absence Survey for Western Spadefoot Toad</u> - ESA biologists will perform presence/absence surveys for the western spadefoot toad (*Spea hammondii*), a California Species of Special Concern. Since this species is an upland species that requires water for breeding purposes only, surveys will include two diurnal surveys of water margins to search for egg clusters, and two nocturnal surveys during or immediately after rain events to search for individuals detectable by calls or eye-shine and visual identification.

A letter report of findings will be prepared that includes the project site location plotted on USGS 7.5-minute topographic map; plant community map, qualitative description of habitat, and description of plant composition within the area surveyed; survey methodology including list of all biologists, number of acres of habitat surveyed, and the number and dates of surveys; mapping of precise locations of any western spadefoot toad detected; full account of numbers and behavior of any western spadefoot toad detected; and, completed field forms showing the locations of western spadefoot toad, if observed, which will be utilized by the CNDDB.

Conduct Presence/Absence Survey for Western Pond Turtle - ESA biologists will perform surveys using guidance available from the U.S. Geological Survey (USGS) to determine the presence/absence of the western pond turtle (Emys marmorata), a USFWS Sensitive Species and a California Species of Special Concern. Five surveys of suitable habitat will be conducted at approximately weekly intervals between April 20 and July 31, between the hours of 9:00 A.M. and 5:00 P.M., preferably on sunny days. Observations of suitable habitat will take place from several vantage points to provide complete visual coverage of the water body. Aquatic habitat (e.g., open pools or possible basking areas) will be searched with and without binoculars for the presence of basking or underwater pond turtles, first from a distance and then approached slowly and quietly to prevent disturbance to any potential basking turtles. ESA biologists will also listen for the splash of water from unseen turtles entering the water.

A letter report of findings will be prepared that includes the project site location plotted on USGS 7.5-minute topographic map; plant community map, qualitative description of habitat, and description of plant composition within the area surveyed; survey methodology including list of all biologists, number of acres of habitat surveyed, and the number and dates of surveys; mapping of precise locations of any western pond turtle detected; full account of numbers and behavior of any western pond turtle detected; and, completed field forms showing the locations of western pond turtle, if observed, which will be utilized by the CNDDB.

Conduct Survey for Special-Status Plant Species - ESA biologists will conduct focused surveys to determine the presence/absence of special-status plant species. Particular emphasis will be given to federally- and/or State-listed plant species and those plants identified as special-status by the CNPS and results from previous survey efforts in the area will be reviewed. Surveys will consist of two separate field survey efforts, one in April/May and the other in June/July to include the blooming periods of all potentially present special-status plants. The location of any observed special-status species will be recorded and mapped on an aerial photograph of the project site.

At the completion of the special-status plant surveys, the results will be incorporated into the updated Biological Technical Report (see below), and will include a description of survey methodology and the numbers and locations of any special-status plants observed.

5. Prepare Biological Technical Report

ESA will prepare a technical report which incorporates the findings of the general biological survey and focused surveys, and will include survey dates and methodology, a description of the existing conditions, an assessment of impacts based on the proposed project, and mitigation measures necessary to alleviate any resulting potentially significant impacts. This technical report will be prepared according to accepted scientific and technical standards consistent with requirements of the National Environmental Policy Act (NEPA), California Environmental Quality Act (CEQA), and other pertinent reviewing agencies and organizations.

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Biological Assessment/NCCP Relevance – This task assumes that the federal resource agencies reviewing the technical report will expect it to serve much the same function as a Biological Assessment prepared for an informal consultation and that it would be adequate for federal agency review and consideration. Therefore, this scope anticipates including a definition of the "Action Area", consideration and analyses of cumulative effects on listed species, recognition and discussion of the project in the context of the NCCP/HCP, and how the project (inclusive of proposed mitigation) would be addressed in terms of its effects on listed and NCCP-Covered or non-covered species, as well as on the NCCP/HCP as a whole.

This task includes one set of revisions based on receiving one round of combined comments from the project team on the draft technical report, and a second revision based on comments from up to two reviewing federal agencies (Bureau of Reclamation, USFWS).

6. Develop Comprehensive Mitigation Plan

Based on the results of Task 2C, above, ESA will prepare a concise description of the mitigation being proposed for the project. It is anticipated that this description will be prepared in the form of a plan that would be appended to the Biological Technical Report. The plan may be expected to include both a conceptual plan to provide upland and riparian/wetland habitat mitigation on the project site and also to describe the extent and manner whereby off-site mitigation may be provided to compensate for project effects that cannot be adequately mitigated on site. The plan will be prepared in collaboration with IRWD and may involve additional coordination with external parties (e.g., The Irvine Company, NCC, and TCA). Therefore, this scope anticipates the need to conduct several meetings with these parties to consider and refine alternate mitigation options and clarify the preferred mitigation approach. The goal will be to determine which mitigation approach(es) will satisfy the mitigation requirements considering costs and schedule. The draft plan will be submitted to IRWD and the project team for review and would be revised or refined based on a single set of comments.

Deliverables:

> Draft and final biological resources technical report

Cultural Resources Technical Report

ESA cultural resources staff will conduct a Cultural Resource Assessment of the Project site and associated components. This includes the site for the new dam, expanded reservoir, and proposed wetlands. The purpose of the study will be to identify any archaeological, architectural, or paleontological resources within the Project site or immediate vicinity that could be impacted by the Project. All studies will be conducted in accordance with CEQA, NEPA, and Section 106 of the National Historic Preservation Act (NHPA). Specific tasks will include cultural and paleontological resources records searches and archival research, a Sacred Lands File (SLF) search through the Native American Heritage Commission (NAHC), archaeological and built resources field survey, and reporting. Assistance with Native American coordination and consultation is discussed under *Task 7: Assembly Bill 52 Tribal Cultural Resources*.

As part of the assessment, ESA will also document and evaluate the existing Syphon Dam and associated facilities, which would be demolished as part of the Project. Constructed in 1949, the dam is over 45 years of age and therefore meets the California Office of Historic Preservation's threshold for consideration as a historical resource. To comply with CEQA and Section 106 of the NHPA, ESA will evaluate the eligibility of the reservoir as a historical resource under CEQA and as a historic property under the NHPA, and assess potential impacts. There

is also potential for indirect impacts, primarily visual, to nearby resources. The Syphon Reservoir is located along the High Line Canal, which was constructed in the 1930s. A "splitter" on the High Line Canal ahead of the Syphon Reservoir diverted water south to the Laguna Reservoir. Approximately ¼-mile north of the Syphon Reservoir is the Rattlesnake Canyon Reservoir, constructed in 1959. The High Line Canal and Rattlesnake Canyon Reservoir, both greater than 45 years of age, could be subject to indirect impacts from the Project. ESA staff will assess the potential for indirect impacts as part of the built environment studies.

Records Searches and Archival Research

ESA cultural resources staff will conduct a records search at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton. The purpose of the records search will be to identify previous cultural resources investigations and previously recorded cultural resources within a ½-mile radius of the Project site, including the pipeline. A review of topographic maps and aerial photos will be conducted to identify historic uses of the Project area and to assess the potential for buried archaeological resources. ESA will also collect and analyze pertinent research materials to document the history, construction, and alterations of the Syphon Dam and Reservoir and consider its history in the context of IRWD and the surrounding community. Focused site-specific research may include review of available building permits, engineering drawings (as-built), topographic maps, and historic aerial photographs. Research will be conducted at the Orange County Building and Safety Department, Orange County Assessor's Office, UCI Library, Irvine Historical Society, Orange County Public Library, IRWD archive, relevant internet sites, and other archives to be identified as applicable.

An IS/MND for Syphon Reservoir Interim Facilities (2013) indicates that, based on bedrock geology, most of the Project area has limited potential for significant paleontological resources but that a small portion has a moderate potential. Given this, a paleontological fossil locality check will be requested from the Natural History Museum of Los Angeles County. In addition, an SLF search will be requested from the NAHC to solicit information on sensitive or undocumented Native American resources in the vicinity of the Project area. This SLF search is separate from IRWD's AB 52 consultation requirements, described in *Task 7*.

Pedestrian Survey

For purposes of compliance with Section 106 of the NHPA, a preliminary Area of Potential Effects (APE) for direct impacts will be established. The APE will include all components of the Project, including the proposed new dam and associated facilities and the expanded reservoir area; all access roads and staging areas; and any other areas where cultural resources could be subject to impacts. A pedestrian survey of the Project area/APE will be conducted to identify and document archaeological and paleontological resources. For archaeological resources, the survey will follow professional standards, using transects spaced no greater than 15 meters apart. ESA architectural historian will also conduct a site visit to survey and document the existing historic built environment of the Syphon Dam and Reservoir, which will include, minimally, the culverts, spillway, dam, boat dock, landscape features, and the segment of the High Line Canal within the property. ESA staff will also assess the potential for indirect impacts to the High Line Canal and the Rattlesnake Canyon Reservoir. All survey work will be consistent with procedures established by local, state, and federal guidelines for conducting archaeological and historic preservation work.

Cultural resources encountered in the Project area will be recorded on California State Department of Park and Recreation (DPR) 523 site record forms and plotted with sub-meter handheld GPS instruments. Previously recorded resources, as identified through the SCCIC records search, will be relocated and documented on DPR 523 update forms. Given the generally low paleontological sensitivity of the Project site and the high degree of

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landscape disturbance, it is expected that no paleontological resources will be identified through surface survey and so a paleontological survey will not be required. However, a cultural resources specialist also trained in paleontological resources will participate in the field survey.

Technical Reporting

The results of the studies will be documented in a single Cultural Resources technical report, prepared to meet CEQA and Section 106 requirements. The report will include a Project Description; regulatory and cultural/historical background contexts; methods and results of the archival research and field studies, including a discussion of the evaluation methods, integrity, and eligibility status of the dam and reservoir; and recommendations for mitigation or any additional studies that might be required. ESA will also prepare and append DPR site record forms to the report, including a DPR Primary Form (DPR523A) and BSO Form (DPR523B) for the dam and reservoir. The report will be used as the basis for the cultural resources section of the ADEIR, following Appendix G of the CEQA Guidelines. ESA will prepare a draft report and a final report incorporating one round of IRWD comments.

This scope of work is based on the following assumptions:

- > The entire Project area will be accessible to the surveyors.
- > The survey area for the new dam, expanded reservoir, wetland area, and related facilities (not including the pipeline and conveyance facilities) will not exceed 100 acres.
- > Archaeological resources survey and documentation will be completed by two surveyors in two days.
- > Built environment survey and documentation will be completed by two staff persons in one day.
- > No more than three cultural resources, including the Syphon Dam itself, will require documentation.
- > A Native American monitor will not be required during the pedestrian survey.
- > The Water District will provide access to historic plans, engineering drawings, photos and other materials to document the construction history of the dam and reservoir.
- Any follow-on studies that might be required as a result of the assessment, such as archaeological resources evaluation or treatment, would be covered under a separate scope and cost. Only the evaluation of the dam and associated facilities is included in this scope of work.

Deliverables:

> Draft and final cultural resources technical report

ESA will prepare a Noise Study to evaluate potential noise impacts associated with construction activities and operation of the Project. The scope of services for the noise analysis will include identifying and describing relevant local plans, regulations, ordinances, criteria, and guidelines associated with noise. ESA will characterize the existing noise environment by surveying noise-sensitive land uses, identifying existing noise sources and features affecting noise transference in the Project area, and conducting noise monitoring at one location for 24 hours (one weekday) and at up to three locations for 15 minutes during peak traffic hours to establish ambient noise levels in proximity to potentially affected noise- sensitive land uses. ESA will assess temporary noise levels at nearby noise sensitive uses from Project construction based on the provided construction schedule and equipment usage. ESA will evaluate Project operational noise from Project-related vehicular traffic and outdoor mechanical equipment (e.g., air conditioning units). Vehicular noise impacts will be assessed based on data from the traffic study using computer noise prediction models that

incorporate the Federal Highway Administration (FHWA) traffic noise model (FHWARD-77-108). In addition, ESA will provide an assessment of vibration impacts associated with use of heavy-duty equipment during construction of the Project. If potentially significant impacts are found, ESA will develop mitigation measures for where feasible. The scope of services for the noise section does not include post construction noise and vibration monitoring and analysis.

This scope assumes that details regarding construction of the proposed Project (i.e. schedule, excavation and import/export volumes, construction equipment list and weeks/hours of operations, etc.) will be provided by IRWD.

Deliverables:

> Draft and final noise study

Traffic Study

ESA's subconsultant, Fehr & Peers, will complete the Traffic Study for the Project, as explained below.

Information Needs

Fehr & Peers will work with the Project Team to understand the scope of the construction activities generated by the Project. In coordination with ESA, Fehr & Peers will generate a traffic-related RFI that will be submitted to IRWD under Task 2 of this scope of work. The following information will be needed to understand the potential trip generation associated with the construction phase of the Project:

- > Total number of workers accessing the site(s), time of arrival, and parking locations.
- Delivery information, including number of deliveries, types of vehicles (e.g. what type of trucks will be delivering construction material or hauling material from the site), number and type of vehicles removing material from the site, and estimated time of these activities.
- > Verification of delivery/haul routing to/from the Project.
- > Duration and intensity of construction activities.

In addition to the Project construction information noted above, on-going staffing of the site will be verified through the RFI to better estimate the on-going trip generation. ESA and Fehr & Peers understand that on-going staffing needs are minimal and are not sufficient to warrant evaluation of transportation-related impacts after construction is completed. As such, the traffic assessment will focus on near-term impacts associated with the construction activities of the Project.

Fehr & Peers, under ESA's direction, will summarize the above information and develop preliminary trip generation, trip distribution, and trip assignment estimates, and will document these assumptions in a technical memorandum that will be submitted for review and approval.

Field Work and Existing Conditions

Fehr & Peers will spend one day in the field collecting information for the Project. This will include reviewing all access locations to verify existing roadway cross-sections, verification of appropriate sight distance at access locations, and collection of geometrics at study locations. Fehr & Peers will collect counts at the study locations as noted above, and will utilize the count data to evaluate existing conditions in the study area using methodologies identified per local requirements (e.g. intersection capacity utilization (ICU) for intersections and volume to capacity ratio for roadway segments).

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Evaluation of Existing plus Construction Conditions

Fehr & Peers will add construction related traffic to the study facilities to evaluate Existing Plus Project Conditions and conduct level of service assessment to evaluate the operating conditions of the study facilities. If impacts are identified, mitigation measures will be developed to mitigate the impacts. Since impacts are anticipated to be temporary in nature and would occur during the construction phase of the Project, mitigation measures could consist of temporary traffic control, changes to work schedules, or other measure that would mitigate impacts to a less than significant level.

Access locations will also be reviewed to verify that they can accommodate access from the delivery vehicles and that sight distance is appropriate. If there are any geometric deficiencies noted during our field review, Fehr & Peers will provide recommendations to improve those deficiencies. Fehr & Peers will also review the Project's consistency with existing and approved bicycle, pedestrian, and transit facilities in the area, if any, and note the potential for the Project to conflict with those facilities.

Although traffic studies typically require a cumulative assessment for transportation impacts, given the expected low trip generation associated with the operations and maintenance phase of the Project, the Project likely does not have the potential to result in a cumulative impact to the surrounding transportation system. As such, Fehr & Peers scope proposes to only identify impacts associated with the construction phase of the Project and not a complete cumulative assessment.

Documentation & Meetings

Under the direction of ESA, Fehr & Peers will prepare a draft report for review by IRWD, which will undergo one round of revisions from IRWD. Fehr & Peers will also be available to participate in up to four team meetings or public meetings (associated with various phases of CEQA document review included in this scope of work) in conjunction with the Project.

This scope of work is based on the following assumptions. These assumptions and associated fee estimate may need to be expanded or reduced based on trip generation assumptions:

- > Fehr & Peers will evaluate only the Existing Condition and Existing plus Construction Activity Conditions in the assessment.
- > Fehr & Peers will evaluate up to 20 intersections (during the morning (AM) and evening (PM) peak hours) or roadway segments (daily conditions) in the analysis.
- > One day of traffic counts at all study locations is assumed in the fee estimate.

Deliverables:

> Draft and final noise study

Task 5: Coordination with Design and Public Outreach Consultants ESA understands that IRWD intends the CEQA consultant to act as the Project Manager, which will involve coordination between IRWD and various consultants throughout the environmental review process. Since the CEQA document will be prepared in parallel to additional design work to support the environmental review process, ESA will coordinate with IRWD, the owner's representative, and design consultant to ensure that the appropriate information is available and obtained in order to complete the Project Description and CEQA

analysis. ESA understands a Project Design Report (PDR) will not be prepared for this Project prior to publication

of the Draft EIR. Information obtained could include site exploration program design and implementation, earthwork quantities, construction equipment to be used and construction methods, location of borrow materials, in addition to other necessary information. This type of information was estimated in the Constructability Analysis provided in the RFP Addendum and can serve as one point of departure for discussing certain information required for the Project Description.

ESA understands that IRWD has a public affairs team, including a public outreach consultant. ESA looks forward to developing a close relationship with the public outreach consultant, and will coordinate outreach efforts seamlessly between the consultant and IRWD.

As part of this task, ESA will also prepare maps, graphics, charts, and descriptions that can be used by IRWD's public outreach staff and consultant to conduct Project-related public outreach efforts. This coordination ensures that visual representation of the Project is consistent among all public outreach materials.

Deliverables:

> Graphics for use during public outreach efforts

Task 6: Development of Project Description and Identification of Alternatives Project Description

ESA will develop a Project Description based on information gathered in Tasks 2 and 5. This Project Description will serve as the basis for the CEQA analysis. This task assumes attendance at *two meetings* with IRWD to discuss Project Descriptions components and details. Three rounds of Project Description deliverables are assumed under this task.

Project Alternatives and Workshop

ESA will assist IRWD to identify a reasonable range of Project alternatives, per CEQA Guidelines Section 15126.6. ESA will start with the information contained within the Syphon Reservoir Engineering Feasibility Study to begin development of alternatives. These and additional potential alternatives will be discussed and refined via one alternative meeting workshop with IRWD, the Design consultant, and ESA. This scope assumes no more than two alternatives to the Project are chosen to include in the Draft EIR. Alternatives may be included even if they may not be feasible. These alternatives will be used for the environmental analysis.

Deliverables:

- > Draft Project Description
- > Revised draft Project Description
- > Final Project Description
- > Alternatives workshop materials
- > Description of alternatives

Task 7: Assembly Bill 52 Tribal Cultural Resources

Per the RFP, ESA will prepare draft Assembly Bill (AB) 52 consultation letters for IRWD to review. The letters will follow requirements outlined in Section 21080.3.1 of the Public Resources Code. Specifically, the letters, which will serve as an official invitation to consult on the Project, will describe the proposed Project, include a Project location map, list a contact person at IRWD, and cite the 30-day deadline for responses. Following approval by

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IRWD, ESA will mail the signed letters on official letterhead (via either FedEx or certified USPS mail) to the three California Native American tribes on IRWD's contact list: the Gabrieleño Band of Mission Indians – Kizh Nation, Juaneno Band of Mission Indians – Acjachemen Nation, and the Torres Martinez Desert Cahuilla Indians. IRWD will be responsible for any additional tribal consultation under AB 52. The consultation efforts will be summarized in the tribal cultural resources section of the EIR, following CEQA Guidelines and in accordance with the confidentiality requirements of AB 52.

Deliverables:

- > Draft AB 52 letters for IRWD review
- > Final letters (three) for delivery to California Native American tribes on IRWD's contact list

Task 8: Notice of Preparation and Notice of Completion

ESA will finalize the Initial Study (Task 1) and prepare the Notice of Preparation (NOP) as required by the State CEQA Guidelines including a brief description of the Project, site map, and summary of potential environmental impacts of the Project. The NOP will also serve as notice of the public scoping meeting (see Task 9 below). ESA will provide IRWD with a Draft NOP for review and comment. ESA will incorporate any comments into a Final NOP to be published for a 30-day public review period. ESA will confer with IRWD to create a mailing list that identifies appropriate stakeholders, including the State Clearinghouse, responsible and trustee agencies, affected property owners and persons requesting notice. ESA will also prepare the Notice of Completion (NOC) for the NOP, which will be delivered to the State Clearinghouse and Orange County Clerk. ESA will distribute the NOP to the entities agreed to on the mailing list. ESA will also publish the NOP in the Orange County Register (one time). ESA will attend *one meeting* with IRWD to review the contents of the NOP and NOC.

Deliverables:

- > Draft and Final NOP
- > Prepare and distribute NOP
- > Prepare and distribute NOC
- > Publish NOP in the Orange County Register

Task 9: Conduct Public Scoping Meeting

Public Scoping Meeting and Material Preparation

ESA will coordinate and organize one public scoping meeting. The purpose of the meeting will be to present information to the public and collect information on environmental issues. ESA will prepare presentation materials (including maps and handouts) in consultation with IRWD and IRWD's public outreach consultant and conduct the presentation. Information regarding the need for the Project, potential environmental impacts, and the CEQA alternatives will be provided by ESA in the presentation at the public scoping meeting. ESA will work with IRWD and its public outreach team on the meeting agenda, schedule and format; all materials will be approved by IRWD prior to presentation at the scoping meeting.

This task includes **two preparation meetings** between ESA and the Project Team, in addition to attendance by ESA staff at the **one public scoping meeting**.

Comment Memorandum

ESA will capture all written and verbal comments made at the public scoping meeting and prepare a Comment Memorandum summarizing significant comments received at the scoping meeting and during the NOP review period. The Comment Memorandum will be used by the Project Team to clarify Project assumptions, the Project Description, alternatives, and the scope of the environmental impact analysis. The Comment Memorandum will be included in the Appendix to the Draft EIR.

Deliverables:

- > Public scoping meeting agenda
- > Draft and final scoping meeting presentation
- > Scoping meeting presentation materials (handouts and maps)
- > Comment Memorandum

Task 10: Prepare an Administrative Draft EIR

ESA will prepare an Administrative Draft EIR (ADEIR) in accordance with State CEQA Guidelines (2017). ESA understands that IRWD included an optional task in the Request for Proposal (RFP) for National Environmental Policy Act (NEPA) compliance based on pursuit of federal grant opportunities from the U.S. Bureau of Reclamation (Reclamation) through Title XVI. ESA has extensive work pursuing Title XVI funding through Reclamation, particularly with the Temecula office. Therefore, ESA has included preparation of a CEQA-Plus document for purposes of NEPA compliance in the scope of work. Additional time for agency coordination and consultation has been included in Task 17 below.

The Project Description prepared under Task 6 will be included in the ADEIR. The ADEIR will summarize the environmental setting, regulatory framework, potential environmental impacts, and proposed mitigation by resource area. The ADEIR will also reflect comments received during the NOP review period. As required by CEQA, the setting will describe the Project area's existing conditions and the effects of the Project on those baseline conditions. The impact analysis will identify direct, indirect, and cumulative impacts for construction and operation based on established thresholds of significance. The analysis will include all issue areas included in Appendix G and Appendix F (energy) of the CEQA Guidelines, unless otherwise screened out in the Initial Study. Based on preliminary evaluation and the Syphon Reservoir Interim Facilities Project MND prepared in 2012, agricultural and forestry resources and mineral resources will likely be screened out of the ADEIR. Mitigation measures will be identified to avoid or substantially lessen potential environmental effects. The ADEIR will also provide an analysis of CEQA Project alternatives as identified under Task 6. ESA will attend up to three meetings with IRWD staff to review CEQA documentation and approach for the ADEIR. It is expected that ESA will communicate any issues and concerns to IRWD in these meetings prior to submitting the ADEIR deliverable. As requested by IRWD, ESA will submit a complete ADEIR for review, unless otherwise discussed and approved by IRWD. The following issue areas will be addressed in the ADEIR.

Aesthetics

The ADEIR will summarize the aesthetic and visual impacts associated with construction and operation of the Project. The ADEIR will include a description of existing visual conditions in the Project area and will evaluate whether the proposed Project will substantially degrade the existing visual character of the surrounding area. The ADEIR will evaluate the potential effects to public view corridors that result from raising of the dam and determine whether the proposed Project would substantially after the character of the site or create substantial

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new sources of light and glare. The evaluation will include photographs of the existing environment. ESA's subconsultant, VisionScape, will provide two visual simulations of the proposed Project based on Project design details (Task 4) that will be incorporated into the ADEIR section. Mitigation measures will be identified if necessary to reduce aesthetic impacts.

Air Quality

Based on the technical study prepared in Task 4, ESA will summarize the impacts from emissions of criteria air pollutants and TAC during construction and operation. The ADEIR will also evaluate the Project's consistency with the regional air quality attainment plans. If potentially significant impacts are found, ESA will develop mitigation measures which are feasible, implementable, and verifiable. Mitigation measures will be based on those recommended by the IRWD, SCAQMD, and CARB, as well as other appropriate measures.

Biological Resources

ESA's biologist will incorporate the information provided in the Biological Resources Technical Report (Task 4) into the ADEIR. Potential impacts to sensitive species and habitats will be documented and mitigation strategies will be identified that would minimize the impacts. The analysis will include a comprehensive list of permits required from resource agencies to implement the Project.

Cultural Resources

ESA's cultural resources staff will incorporate the information provided in the Cultural Resources Assessment (Task 4) into the ADEIR. The ADEIR will summarize the results of the records searches, historical research, surveys, and dam evaluation, and assess the sensitivity of the Project site for the presence of unknown resources. The section will also assess the potential of the Project to impact significant cultural resource, and will identify mitigation measures to minimize impacts, as necessary.

Geology and Soils

ESA will review and incorporate available information from the Syphon Reservoir Expansion Engineering Feasibility Study. The ADEIR will include regional and local geologic, seismologic, and geological data pertinent to the proposed Project area, including information from the U.S. Geological Survey and California Geological Survey as well as data from other projects in the area. As described in the Engineering Feasibility Study, the Project site includes two faults, one of which runs directly beneath the existing reservoir and dam. However, neither fault is considered active or potentially active. Additional geotechnical investigation is recommended to confirm the inactivity of the faults and identify the appropriate measures to mitigate any potential impacts associated with groundshaking or seepage from the reservoir. The ADEIR will identify such potential geologic impacts of the Project and will provide mitigation strategies that require geotechnical investigation and recommendations for design criteria that ensure any and all potential hazards associated with geology and soils will be implemented as required by California standards and the Division of Safety of Dams to minimize the effects and protect public safety.

Greenhouse Gas Emissions and Energy

Based on the technical study prepared in Task 4, ESA will summarize the impacts from emissions of GHGs during construction and operation. The ADEIR will also evaluate the Project's consistency with the State's 2030 Scoping Plan. If potentially significant impacts are found, ESA will develop mitigation measures which are feasible, implementable, and verifiable. Mitigation measures will be based on those recommended by the IRWD,

SCAQMD, CARB, and California Association of Air Pollution Control Officers (CAPCOA), as well as other appropriate measures.

In order to assure that energy implications are considered in Project decisions, CEQA requires that EIRs include a discussion of the potential energy impacts of proposed projects, with particular emphasis on avoiding or reducing inefficient, wasteful and unnecessary consumption of energy. Recent court opinions have held that a Project's energy impacts should be analyzed under Appendix F of the CEQA Guidelines, including transportation energy use and relevant energy-related factors external to a building's envelope. Impacts may include:

- > The Project's energy requirements and its energy use efficiencies by amount and fuel type for each stage of the Project including construction, operation, maintenance and/or removal. If appropriate, the energy intensiveness of materials may be discussed.
- > The effects of the Project on local and regional energy supplies and on requirements for additional capacity.
- > The effects of the Project on peak and base period demands for electricity and other forms of energy.
- > The degree to which the Project complies with existing energy standards.
- > The effects of the Project on energy resources.
- > The Project's projected transportation energy use requirements and its overall use of efficient transportation alternatives.

In accordance with recent court opinions and the requirements of Appendix F of the CEQA Guidelines, ESA proposes to identify relevant information that addresses the energy implications of the proposed Project. ESA will utilize the information from the Project's air quality, GHG, and transportation analyses to quantitatively evaluate construction energy demand (for example, gallons of diesel and gasoline) from construction equipment, haul trucks, vendor trucks, and construction workers. ESA will also quantify the Project's anticipated operational energy needs, including direct consumption of electricity to pump water and fuel needed for maintenance operations.

ESA proposes to assist IRWD in developing appropriate Significance Thresholds. IRWD may consider the following preliminary list:

A project would result in a significant impact if it would:

- a. Conflict with adopted energy conservation plans;
- b. Violate State or federal energy standards;
- c. Cause wasteful, inefficient, and unnecessary consumption of energy during construction, operation, and/or maintenance; or
- d. Result in an increase in demand for electricity or natural gas that exceeds available supply or distribution infrastructure capabilities that could result in the construction of new energy facilities or expansion of existing facilities, the construction of which could cause significant environmental effects.

ESA will summarize the Project's anticipated energy needs and conservation measures. ESA will describe Project commitments, design features, and mitigation measures that would minimize and reduce the Project's consumption of fuel and energy and determine the potential for energy impacts based on the evidence and

determine the significance of the impacts. If potentially significant impacts are found, ESA will recommend additional feasible energy efficiency design features or mitigation measures to reduce impacts.

Hazards and Hazardous Materials

The ADEIR will summarize known contamination sites within the construction areas and will list potentially hazardous materials used and stored during construction and operation of the Project. ESA will use the Phase 1 Environmental Site Assessment (2009) and the Engineering Feasibility Study as a primary source of information regarding existing onsite hazards and hazardous materials, as well as conduct a new database search for Cortese List properties as required by CEQA Guidelines Appendix G. The Phase 1 Environmental Site Assessment revealed no evidence of Recognized Environmental Concerns (REC); historical activities, including the use of the property site for agricultural use, from approximately 1968-2002, may have contributed to residual concentrations of insecticides, pesticides, or herbicides. The ADEIR will disclose these and other chemicals currently used onsite at the Syphon Reservoir disinfection facilities, which may be expanded as a result of the Project. The ADEIR will address potential soil contamination, groundwater contamination, and the potential for asbestos-containing building materials and lead-based paint if there are any structures proposed for demolition. The ADEIR will develop mitigation measures for management of contaminated soils and outline applicable hazardous materials handling and disposal requirements.

Hydrology/Water Quality/Flooding

The ADEIR will identify surface water and groundwater resources within the Project area and will evaluate potential impacts posed by the Project. The ADEIR will address potential flooding impacts to housing developments south and west of the dam as a result of dam improvements. An Inundation Study has already been completed for the dam as part of the Engineering Feasibility Study (GEI 2012). The result of this study will be used to describe the regulatory requirements of the Division of Safety of Dams, the potential flood hazards associated with a dam breach, and the design requirements that will ensure the low probability of a dam breach. The ADEIR will describe storm water runoff control requirements and provide mitigation if necessary to meet construction and operational storm water runoff quality requirements.

Land Use and Planning

ESA will identify and map existing land uses in the Project area. Local General Plans, airport master plans, and habitat conservation plans will be identified and summarized if applicable. The ADEIR will identify the adopted goals and policies that could be affected by replacing the existing 59-foot high dam with a 136-foot high dam. The ADEIR will evaluate consistency of the proposed Project with existing land uses within the Project area and develop mitigation measures to avoid or substantially lessen inconsistencies where feasible.

Noise and Vibration

The ADEIR will evaluate potential short-term construction noise impacts and long-term noise effects associated with implementation of the proposed Project. ESA assumes that no blasting activities will be required as a result of the Project. The ADEIR will summarize the results of the Technical Study from Task 4, evaluating the Project's ability to comply with existing noise standards and policies. Mitigation measures will be developed to ensure that neighboring land uses are not adversely affected by construction noise and vibration.

Population, Housing, and Growth-Inducement

The ADEIR will summarize the Project area's growth projections based on the Southern California Association of Governments (SCAG) projections and General Plan projections and discuss applicable General Plan build-out

assumptions. The ADEIR will address the Project's potential to induce indirect population growth due to expansion of water storage capacity at Syphon Reservoir. The ADEIR will describe the Project's relationship to growth and secondary effects of growth in the region. The ADEIR will evaluate the Project's potential to induce growth in the region and identify mitigation measures as necessary.



Public Services and Utilities

The ADEIR will review the potential effects of the proposed Project on utilities and public services resulting from both construction and operation of the Project. The ADEIR will evaluate landfill capacity to accommodate the Project's solid waste and potential soil disposal needs and compliance with federal, state, and local regulations related to solid waste.

Recreation

The ADEIR will discuss potential impacts to recreational activities within the Project area as a

result of dam expansion. The ADEIR will identify thresholds of significance for impacts to recreational facilities and will evaluate the Project's effects based on these thresholds. The ADEIR will identify feasible mitigation measures to reduce the Project's effects to the accessibility of recreation facilities in the area.

Transportation and Traffic

ESA will incorporate the results of the Traffic Study prepared by subconsultant Fehr & Peers into the traffic section. The ADEIR will characterize roadway traits, traffic flow, access, and circulation conditions on affected roadways and at major intersections in the Project area. The ADEIR will assess the potential for construction traffic and operational traffic to affect local roadways. Mitigation measures will be developed to reduce adverse effects to traffic and circulation, as necessary.

Tribal Cultural Resources

ESA's cultural resources staff will assess the potential for impacts to tribal cultural resources in the ADEIR. The section will include the results of the Sacred Land File search through the Native American Heritage Commission, IRWD's outreach efforts to California Native American tribes per AB 552, a the results of Native American consultation, following CEQA Guidelines and in accordance with the confidentiality requirements of AB 52. The section will also assess the potential of the Project to impact tribal cultural resources, and will identify mitigation measures to minimize impacts, as necessary.

CEQA-Plus Analysis

ESA plans on complying with NEPA requirements associated with Title XVI funding through Reclamation by preparing a CEQA-Plus document. The analysis will include all federal cross-cutting regulations for purposes of CEQA-Plus compliance, which may include but may not be limited to: Clean Air Act, Costal Barriers Resources Act, Coastal Zone Management Act, Endangered Species Act, Farmland Protection Policy Act, Floodplain Management Act, Magnuson-Stevens Fishery Conservation and Management Act, Migratory Bird Treaty Act, National Historic Preservation Act, Protection of Wetlands, Environmental Justice, Safe Drinking Water Act, Sole

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Source Aquifer Protection Act, and Wild and Scenic Rivers Act. This section of the ADEIR will include analysis of Environmental Justice.

Cumulative Impacts

ESA will address potential cumulative impacts of implementing the proposed Project in conjunction with past, present, and reasonably foreseeable public and private projects in the immediate Project area. The analysis will include a description of the geographic area in which cumulative impacts could be experienced for each resource area. ESA will evaluate the local General Plan along with contacting relevant agencies (city and county planning and public works departments, as well as CalTrans) to compile a list of major projects planned within or near the area over the next 10-15 years as well as under way or completed in the last five years. Based on experience in this part of Orange County, ESA anticipates future residential/commercial growth in the Foothill Ranch and North Tustin areas. A brief description of the relevant past, present, and proposed future projects occurring in the area that could contribute to cumulative effects will be provided.

Alternatives

Based on the alternatives development and selection conducted under Task 6, ESA will evaluate alternatives to the Project including the No Project Alternative. This scope assumes no more than two alternatives, in addition to the No Project Alternative required by the CEQA Guidelines, are analyzed in the ADEIR. The ADEIR will compare these alternatives to determine if any would substantially meet the Project objectives and reduce significant impacts associated with the proposed Project. As required by CEQA, IRWD will consider any alternatives identified by agencies or others at scoping meetings or in response to the NOP and determine whether they should be included in the ADEIR as feasible or infeasible. IRWD will identify the environmentally superior alternative based on the conclusions of the analysis.

Deliverables:

- > Five hard-copies of the ADEIR
- > All technical appendices submitted on CD/DVD

Task 11: Prepare a Screen Check Draft EIR

ESA will revise the ADEIR per the comments received from IRWD staff. ESA will prepare a first Screen Check DEIR for review by IRWD. ESA will then incorporate comments from IRWD staff and prepare a second Screen Check DEIR. ESA understands that both Screen Check iterations will be complete and coherent documents with all appropriate sections, chapters, and appendices. ESA is prepared to attend *four meetings* with IRWD staff and appropriate consultants to review the Screen Check drafts.

Deliverables:

- > Five hard-copies of the first Screen Check DEIR
- > Five hard-copies of the second Screen Check DEIR
- > All technical appendices submitted on CD/DVD

Task 12: Prepare Public Draft EIR, Notice of Availability, and NOC

After receiving final approval from IRWD of the second Screen Check DEIR, ESA will prepare the Public Draft EIR, Notice of Availability (NOA), and NOC. ESA will compile the mailing list and conduct the mailing and public noticing via the NOA required by CEQA. Anyone who received the NOP or requested to be notified of the Draft EIR will

receive a NOA plus a CD containing the Draft EIR. ESA anticipates this will be up to 100 entities; however as requested in the RFP, for budgeting purposes we have assumed 10 hard copies of the NOA and Public Draft EIR and 10 CDs. ESA will file the NOC and 15 copies of the Public Draft EIR with the State Clearinghouse, and will file the NOA with the Orange County Clerk. The notices will include the date and location of public hearing on the Draft EIR (see Task 13). ESA will publish the NOA one time in the Orange County Register.

Deliverables:

- > 10 hard-copies of the Public Draft EIR and 10 DVDs for IRWD
- > 15 hard-copies of the Public Draft EIR for State Clearinghouse
- > 10 hard-copies of the NOA and Public Draft EIR for interested parties; plus 10 CDs
- > Two hard-copies of the NOC
- > One DVD with PDF files of the Public Draft EIR, NOA, NOC, for IRWD's records

Task 13: Conduct Public Meeting

ESA will organize and arrange *one public meeting* to receive comments on the Draft EIR during the 45-day public review period. ESA will prepare presentation materials, maps, handouts, and an agenda and conduct a presentation to present the results of the environmental analysis. ESA will work with IRWD and the public outreach consultants to prepare meeting materials; all materials will be approved by IRWD in advance of the meeting. ESA will attend *one preparation meeting* with IRWD and its outreach consultant to review the presentation.

ESA will document all verbal and written comments received during the public meeting. ESA will then prepare an itemized list of all comments received at the public meeting and by mail, and will incorporate them into the Final EIR, if applicable.

Deliverables:

- > Public meeting agenda
- > Draft and final public meeting presentation
- > Public meeting presentation materials (handouts, maps, presentation)
- > Itemized list of all comments received

Task 14: Prepare Final EIR and Response to Comments

At the conclusion of the public review period, ESA will work with IRWD to obtain all comments received on the Draft EIR. ESA will provide a detailed review and evaluation of all of the comments received. ESA will develop a strategy for addressing the comments and will present this approach to IRWD and its public outreach consultant. An Administrative Final EIR containing proposed responses to comments to the Draft EIR will be prepared once ESA's approach is agreed with by IRWD staff.

After incorporation of comments on the Administrative Final EIR, ESA will prepare a Screen Check Final EIR for review by IRWD. ESA assumes that comments on the Screen Check Final EIR will be minimal, due to early consultation with IRWD when comments are received.

This task assumes *two meetings* will be held with IRWD to discuss comments received and to develop a strategy for response to comments.

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Deliverable:

- > Administrative draft Final EIR or RTC and Draft EIR in electronic format
- > Screen Check Final EIR

Task 15: Prepare a Mitigation Monitoring Reporting Program

In compliance with Public Resources Code Section 21081.6, ESA will prepare a draft Mitigation Monitoring and Reporting Program (MMRP) for review by IRWD. The MMRP describes the required mitigation necessary to avoid or reduce significant impacts, the responsible parties, tasks, and schedule necessary for monitoring mitigation compliance. ESA will attend *one meeting* with IRWD to review the MMRP.

Deliverable:

> MMRP in electronic format

Task 16: Finalize EIR, Prepare Findings, Statement of Overriding Considerations, Notice of Determination

After IRWD has reviewed the Final EIR, ESA will incorporate the necessary revisions into the document and will mail a copy to each entity that commented.

ESA will prepare draft Findings of Fact and a Statement of Overriding Considerations (SOC) (if necessary) for review by the IRWD's Boards of Directors. ESA will incorporate IRWD's comments and will prepare the final Findings. ESA will also attend one (1) Board of Directors EIR *certification hearing*. ESA will prepare and file the Notice of Determination (NOD) with the Orange County Clerk and the State Clearinghouse following certification by IRWD. The 2017 CEQA filing fees for California Department of Fish and Wildlife and the Orange County Clerk are included as part of this task, and ESA assumes the 2019 increases will be minimal and covered under the budget presented with this scope of work.

Deliverables:

- > Final EIR mailed to each entity that commented on Draft EIR (up to 10 copies)
- > Notice of Determination
- > Statement of Overriding Considerations (if necessary)
- > File Final EIR and NOD with the County of Orange and the State Clearinghouse
- > Check for County filing fee and CDFW filing fee

Task 17: NEPA Compliance

Technical Reports and Consultation

According to past experience with Reclamation, submittal of a CEQA-Plus document with technical studies for biological and cultural resources impacts would be sufficient in meeting all of the Reclamation requirements for federal consultations with U.S. Fish and Wildlife Service and State Historic Preservation Office. As such, the stand-alone Biological Resources Technical Report included in Task 4 can be used by Reclamation to conduct consultations with federal agencies per funding requirements. In addition, the Cultural Resources Technical Report prepared under Task 4 will be amended to delineate the Area of Potential Effect (APE) in accordance with the requirements for Section 106 of the National Historic Preservation Act, per NEPA requirements.

ESA will assist IRWD with coordination of Section 106 compliance through Reclamation. This task includes time for general coordination with the Bureau archaeologist and attendance at up to two conference calls with Reclamation. This scope assumes one meeting between ESA and IRWD to coordinate the NEPA and federal consultation efforts, and up to two consultation meetings with agencies.



Schedule and Budget





Section 4

Schedule and Budget

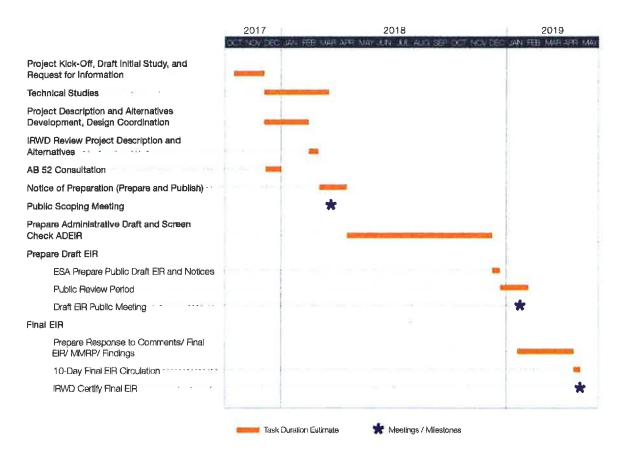


Schedule

Based on the RFP, IRWD requests a 20-month schedule for preparation of an EIR for the Project. As mentioned in **Section 1, Approach**, ESA recommends preparation of one CEQA-Plus document that covers both geotechnical investigation and construction/operation of the proposed dam and reservoir. ESA has prepared a draft Project schedule below to demonstrate how the 20-month schedule can be achieved for one CEQA-Plus document based on main Project milestones provided in the RFP. This schedule is also included in **Section 1, Scope of Work.** This schedule leads to certification of the EIR in May 2019.

As part of the initial start-up tasks and project kick-off, ESA will prepare a more detailed schedule providing adequate preparation of all phases of environmental documentation and public notices, review of deliverables by IRWD, and coordination with IRWD and its consultants. ESA will make revisions to the schedule as necessary throughout the duration of the Project to inform the Project Team of the progress and status of the environmental process.

4 | Schedule and Budget



Budget

Per IRWD's request, our budget spreadsheet is attached to this proposal in a separately sealed envelope.

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PROJECT TOTAL

Attachment A Cost Proposal: ESA Non-Labor Expenses Summary

| | nbursable Expenses out Supplies (including CDFW CEQA Filing Fees) | \$ 3,553 |
|--------|---|--------------|
| _ | ing/Reproduction | \$ 1,100 |
| | ment and Map Reproductions (CD + Digital Photo) | \$ 100 |
| | age and Deliveries | \$ 1,040 |
| Milea | | \$ 2,930 |
| | cle Rental | \$ |
| Lodgi | | \$ - |
| Airfar | • | \$ - |
| | r Travel Related | \$ - |
| | spaper Ads | \$ 1,600 |
| | ords Search | \$ 1,615 |
| | , == 0.00 | \$ - |
| | Subtotal Reimbursable Expenses | \$ 11,938 |
| | Fee on Reimbursable Expenses | \$ 597 |
| | Total Reimbursable Expenses | \$ 12,535 |

September 25, 2017

Prepared by: Tony Mossbarger

Submitted by: Cheryl Clary

Approved by: Paul Cook

ACTION CALENDAR

BUSINESS INTELLIGENCE CLOUD DISASTER RECOVERY IMPLEMENTATION AND REPORTING CONTRACT AWARD

SUMMARY:

The District's Oracle Financial Software Upgrade and Project Management implementation (Financial Upgrade Project), completed in March 2017, included a backup Cloud Disaster Recovery (DR) environment for continuing operations in the event of a system failure. A separate backup Business Intelligence (BI) Cloud DR environment is also needed to support ongoing financial reporting in the event of a system failure.

In addition, the Financial Upgrade Project included minimal new reports. Post implementation, staff has identified the need for additional BI reports and training on those reports. Staff recommends that the Board:

- Authorize the addition of Project 10345 for \$155,000 and Project 10347 for \$155,000 to the FY 2017-18 Capital Budget; and
- Authorize the General Manager to execute a Professional Services Agreement with DiLytics in the amount of \$241,000 for the Business Intelligence Cloud Disaster Recovery Implementation and Additional BI Reports.

BACKGROUND:

In March 2017, the District completed the Financial Upgrade Project, which included the creation of a Cloud DR environment for continuing operations in the event of a system failure. The District uses Oracle BI applications software to provide timely financial reporting to support ongoing operations. Staff has determined that in addition to the Oracle Financial and Project Management Cloud DR environment, a separate BI Cloud DR environment is needed. A cloud solution is more secure in the event of a system failure or natural disaster as the previous DR environment was located at the Operations Center. As discussed above, staff is proposing to move the upgraded environment to the cloud.

In order to maximize the benefits from the Financial Upgrade Project, staff has identified additional opportunities for reporting that are not part of standard Oracle reports. DiLytics met with staff from Finance, Engineering, Human Resources, Information Services, Operations, and Purchasing to gain a better understanding of the additional reporting requirements. The requested reports are identified in the DiLytics proposal and is attached as "Exhibit A".

Consultant Selection:

The District upgraded its Oracle BI software in August 2015, as Oracle support for that version had expired and required an upgrade to a newer version. A Request for Proposal was issued to five consultants with experience performing Oracle BI software upgrades. At that time, DiLytics

Action Calendar: Business Intelligence Cloud Disaster Recovery Implementation

And Reporting Contract Award

September 25, 2017

Page 2

was selected and awarded a professional services contract to perform the 2015 Oracle BI software upgrade. DiLytics successfully completed the upgrade project on time and within budget. DiLytics worked with all levels of staff in a professional manner and developed good working relationships. DiLytics exhibited their excellent knowledge and experience with the Oracle BI software and is very familiar with the District's BI reporting environment.

DiLytics has an excellent understanding of the BI Cloud DR Implementation and Reporting project; a well-seasoned and experienced project team; submitted an optimal project schedule; and is the most capable of assisting the District with the project. Staff recommends awarding a Professional Service Agreement to DiLytics in the amount of \$241,000.

FISCAL IMPACTS:

Projects 10345 and 10347 are not included in the FY 2017-18 Capital Budget. Staff requests the addition of Projects 10345 and 10347 to the FY 2017-18 Capital Budget as shown in the table below. Funding for projects will be provided by the Replacement Fund (Improvement Districts 1100 and 2100) respectively:

| Project | Current | Addition | Total |
|---------|---------|-------------------------|-----------|
| No. | Budget | <reduction></reduction> | Budget |
| 10345 | \$-0- | \$155,000 | \$155,000 |
| 10347 | \$-0- | \$155,000 | \$155,000 |
| Total | \$-0- | \$310,000 | \$310,000 |

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

This item was reviewed by the Finance and Personnel Committee on September 19, 2017.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE ADDITION OF PROJECTS 10345 FOR \$155,000 AND 10347 FOR \$155,000 TO THE FY 2017-18 CAPITAL BUDGET AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH DILYTICS, INC. IN THE AMOUNT OF \$241,000.

LIST OF EXHIBITS:

Exhibit "A" – DiLytics Statement of Work and Fee Proposal

Statement of Work Oracle Business Intelligence At IRWD

September 2017

DiLytics, Inc.

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| DUVTICE | Statement of Work | |
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| DILYTICS | Oracle Business Intelligence at IRWD | Ver 4.0 |

Revision History

Change Record

| Date | Author | Version | Change Reference |
|--------------------------------|----------------|---------|--|
| 19-May-2017 | DiLytics, Inc. | 1.0 | Initial Creation by DiLytics |
| 24-May-2017 DiLytics, Inc. 2.0 | | | DiLytics internal review and feedback |
| 21-June-2017 | DiLytics, Inc. | 3.0 | Reduced scope based on IRWD inputs |
| 28-August-2017 | DiLytics, Inc. | 4.0 | Revised scope to include additional departments and their requirements |

Reviewers

Approvers



Confidentiality Agreement

This document contains information that is proprietary and confidential to DiLytics, Inc. ("DiLytics") and Irvine Ranch Water District ("IRWD") which shall not be disclosed outside DiLytics and IRWD and shall not be transmitted or duplicated, used in whole or in part for any purpose other than its intended purpose. Any use or disclosure in whole or in part of this information without express written permission of DiLytics and IRWD is prohibited.

Any other company and product names mentioned in the document are used for identification purpose only and may be trademarks of respective owners.



Statement of Work

Oracle Business Intelligence at IRWD

Ver 4.0

1. General

This Statement of Work ("SOW") is entered into by Irvine Ranch Water District ("IRWD") and DiLytics, Inc. ("Contractor" or "DiLytics") (Each herein referred to as "Party" and collectively as "Parties"), pursuant to the terms of the Master Services Agreement ("Agreement") dated <<Month XX, Year>>. Except to the extent expressly provided otherwise in this SOW, all the terms of the Agreement are incorporated by reference into this SOW. In the event of any inconsistent or contradictory terms between the Agreement and the SOW, the terms of Agreement will control and supersede such inconsistent or contradictory terms included in the SOW. Any terms used specifically in the SOW and not otherwise defined in the agreement will be defined in the SOW.

2. Background

- IRWD leverages Oracle EBS as its ERP for Financials, Costing, Procurement, Projects, Inventory and Human Resources
- District uses Oracle Customer Care & Billing (CC&B) for Water Utility operations
- District leverages Oracle BI Apps for analytics on Oracle EBS Financials, Procurement, Projects and Human Resource modules
- District uses Oracle Utilities Analytics for insight on CC&B data
- Currently District's primary and Disaster Recovery (DR) data centers are located very close to each other
- District recently subscribed to Oracle Infrastructure cloud for installing the Disaster Recovery (DR) instances of applications and servers
- In this Statement of Work (SOW), DiLytics is specifying the scope, timeline and estimate for
 - o Installation of Oracle BI Apps DR instance in Oracle Cloud Infrastructure
 - Provide Training on Oracle BI Apps to business users
 - Create new Reports and Dashboards for Engineering, Purchasing, Inventory, General Ledger, Payables, Payroll, HR, Budgeting
 - o Resolve data issues
 - Make performance improvements

3. SOW Scope & Approach

This SOW to implement BI Phase2 in IRWD includes the following scope:

3.1 Install Oracle BI Apps DR instance

- o Install OBIEE
- o Install Data Warehouse
- o Install ODI
- Install Oracle BI Apps (OBIA)
- Migrate OBIA code from Production to DR Instance
 - Migrate DW
 - Migrate RPD
 - Migrate Web Catalog
 - Migrate ETL
 - Migrate Domain Configurations
- o Load data into OBIA DR Instance
- Verify OBIA DR instance
 - Verify Data Load
 - Verify Reports and Dashboards



Oracle Business Intelligence at IRWD

Ver 4.0

- Verify OBIA Production instance accessing and updating OBIA DR RPD and web catalog
- Verify seamless transition to DR instance when Production OBIA goes down

3.2 Training on Oracle BI Apps

- o Conduct separate training sessions for each department on functionality specific to their department (For example, Finance team training on General Ledger, Payables, Payroll)
- Follow up one on one discussions to answer additional questions and provide online help
- o Provide Training Documentation

3.3 Reports and Dashboards

3.3.1 Engineering

- Develop Capital Budgeting Reports
- o Develop Project Budget Expenditure (Including field called Budget Type Code)
- Create Snapshot of Project Budget Expenditure based on user input date (Write-back table) for snapshot
- Create Pivot Classifications for Project Budget Expenditure report
- Redesign Labor/Payroll Charges based on PO Spend and Non-PO Spend
- o Redesign Project Summary Report
 - New Fields Required
 - Project start date incorrect
- o Tune performance for drill-down reports from Project Summary Report
 - Project Manager/Engineer summary
 - POs. Invoices. Labor/Payroll
- Provide documentation (Semi-technical) on EBS to BI mapping

3.3.2 Purchasing

- Develop Invoice by Supplier Report
 - Provide visibility into AP (Accounts Payable)
 - Ability to view PO balance at the end of fiscal year

3.3.3 Inventory

- Develop Report to view Usage for items in past six months
 - Current method is View Material transactions --> Import all transactions and then pivot tables to organize. Do not include return to Stock or receipt. Sort by week or month.
- o Develop Monthly Report: Misc Inventory transactions Issues to GL
 - Current report: IRWD Miscellaneous Txn Report from EBS. Manually match correct ID with Process.

3.3.4 General Ledger

- o Address the issue of data not showing up in BI after incremental data load is completed
- Fix the issue of junk (decode statements) values in Account and account segment
 - Not able to do range search for any segment in GL
- Resolve Performance issue with 'Financials GL detail transactions' Subject area
- Clean up duplicate in subject area



Oracle Business Intelligence at IRWD

Ver 4.0

- there is one folder called GL Account and another folder called GL segment4 -ACCOUNT
- Address columns showing up code values rather than the exact name
 - Journal category
- Fix the issue of columns getting merged when exporting into excel 2007
- Account document source is 'AP' then provide Vendor invoice number, PO amount, check number just like in project module
 - Combine 'Financials- GL detail transactions' and Financial AP Transactions. Check number cannot be brought over with Account number
- o Account document source is 'Payroll' then need Employee Name, Employee Number, Hours, rate
- o Account document source is 'Inventory' then need item, item desc
- o Account document source is 'Receivables' Customer Name, Receipts (if there is one)

3.3.5 Payables

- Address the issue of Wrong Results from AP Invoices table Membership GL Account- 586002
- o Fix the issue of Some of the results from BI is incorrect
 - Amount against Account
- Resolve data issue in Financial Asset Balance Table
 - Under Asset, under Asset Key Detail and under Asset Key Group

3.3.6 Payroll

- o Provide visibility into Hours by process Employee Name, Number, Hours and Process
 - Getting information from Project Inquiry screen Need that in BI
- Create OTL Request for who charge to which process
 - Operations request-- By Manager
- Create Vacation and Sick Hours by Employee by each pay period
 - Current Report might be wrong
- Develop new Report for Vacation accrual balance report
 - Runs Quarterly in BI
- Provide ability to select Earning Elements (Uniform, Performance Recognition)
 - Payroll and Advanced benefits Subject Area: element report is not user friendly -Element by pay period, GI fiscal period, GI fiscal number. Deductions are there - CS Earnings by Pay Period Report (in catalog under shared folder). Regular salary does not have sum amount

3.3.7 Human Resource (HR)

- Provide visibility into Employee census data with DOH DOB Adjusted service date
 - Rate of pay missing
 - New Hires do not show
 - August run shows only July data
- Develop Report to show current life events that are open or pending
 - Need to run before open enrollment
- Resolve data issues
 - New Hires missing from all reports
 - Workforce Salary Facts Some missing Salaries

3.3.8 Budgeting

| DILYTICS | Statement of Work | | |
|----------|--------------------------------------|---------|--|
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- Fix data issue on Report does not bring correct results for performance ratings
 - Subject Area Human Resources Compensation
- Provide the ability to filter by Payment Type
 - HR Payroll & Benefits CS- Employee Compensation for Workers Comp
- Fix Performance Issue in Operating Expense Budget (Adopted)
 - Under Financial Managers Operating Expnse Budget(Adopted) Around 200 records but takes longer than usual to retrieve data
- Resolve Out of box Element Register report (It does not work)

3.3.9 Common in General

- o Fix data issues
- o Address Performance bottlenecks
- o All OOTB reports should run without any error
- o Validate data in the Reports
- Assist users to perform UAT and get sign off
- Migrate to Production
- o Training and Documentation

Note: Most of the above scope has been taken from the Requirements table below.

| | Purchasing: | Comments |
|----------------|--|--|
| 1 | Invoice by Supplier | New Reporting need to have certain kind of access for AP. How much fiscal year balance left for a PO |
| 07100 | | |
| 3 | Inventory: | Comments |
| 1 | Usage for items in past six months. | Current method is View Material transactions> Import all transactions and then pivot tables to organize. Do not include return to Stock or receipt . Sort by week or month |
| 2 | Monthly Report: Misc Inventory | Current report: IRWD Miscellaneous Txn Report from |
| | transactions - Issues to GL | EBS. Manually match correct ID with Process |
| | | |
| W _a | General Ledger: | Comments |
| 1 | Concern where lines don't come over even | |
| | if load is successful | Incorrect data |
| 2 | Table Issue - Please enter Account and | |
| | account segment has junk(decode | |
| | statements) in it | Not able to do range search for any segment in GL |
| 3 | Performance issue with Subject area called | |
| | 'Finacials - GL detail transactions' | |
| 4 | Duplicate items like there is one folder | |
| | called GL Account and another folder | |
| | called GL segment4 - ACCOUNT | |
| 5 | Certain Columns like Journal category | |
| | shows up code rather than the exact name | Not able to export into Excel.Cast('Account' as INT) |



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| 6 | Export into excel 2007. for certain exports, columns get merged | |
|---------|---|--|
| | Link to other modules from GL: | Comments |
| 8. | Account document source is 'AP' then provide Vendor invoice number, PO amount, check number just like in project module | For example: Subject Area - Combine 'Finacials- GL detail transactions' and Financial - AP Transactions.Check number can not be brought over with Account number |
| 8. 2 | Account document source is 'Payroll' then need Employee Name,Employee Number, Hours, rate | |
| 8. 3 | Account document source is 'Inventory' then need item, item desc | |
| 8. 4 | Account document source is 'Receivables' Customer Name, Receipts(if there is one) | |
| THESE. | Payables: | Comments |
| 1 | Wrong Results from Ap Invoices table - Membership GL Account- 586002 | |
| 2 | Some of the results from BI is incorrect - Amount against Account | |
| 3 | Financial - Asset Balance Table Under Asset, under Asset Key Detail and under Asset Key Group | |
| 188 | Payroll: | Comments |
| 1 | Hours by process - Employee Name, Number, Hours and Process | Getting information from Project Inquiry screen - Need that in BI |
| 2 | OTL - Request for who charge to which process | OPErations request By Manager |
| 3 | Vacation and Sick Hours by Employee by each pay period. | Current Report might be wrong |
| 4 | Need new Report:Vacation accrual balance report | Runs Quarterly in BI |
| 5 | Earning Elements(Uniform, Performance Recognition) not there to select | Payroll and Advanced benefits Subject Area: lement report is not user friendly - Element by pay period, Gl fiscal period, Gl fiscal number.Deductions are there - CS Earnings by Pay Period Report(in catalog under shared folder).Regular salary does not have sum amount |
| | | |
| 1000 | HR: | Comments |
| 1 | HR: Employee census data with DOH DOB Adjusted service date | Rate of pay missing. New Hires does not show. Today's run shows only July data |



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| | pending | |
|-------|--|--|
| 3 | New Hires missing from all reports | |
| 4 | Workforce Salary Facts - Some missing Salaries | |
| J. S. | Budgeting | Comments |
| 1 | Subject Area - Human Resources - Compensation | Report does not bring correct results for perofrmance ratings |
| 2 | HR Payroll & Benefits CS- Employee Compensation for Workers Comp | Cannot filter by Payment Type |
| 3 | Under Financial Managers - Operating Expnse Budget(Adopted) - Around 200 records but takes longer than usual to retrieve data | Performance Issue |
| 4 | Human Capital Management | Out of box - Element Register report does not work |
| BUTT | Training: | Comments |
| 1 | Help in training - Not fully utilizing Dashboard reports - | |
| 2 | Does not know how to create simple reports | |
| 3 | Training by Department - Finance, HR, Engineering, Purchasing, Operations | |
| 4 | Guide where everything is | |
| | Example from Purchasing - Lack of training. These reports can be built/modified very easily | |
| 1 | New Report - PO by status | Status Parameter not available E.g. Pos that are on hold.Current EBS Report: Purchase Summary Report by category - Pos on Hold are found.There is Issue with sequence of fields. |
| 2 | Pos by category | Manually sorted by dollar. |
| | Other: | Comments |
| 1 | Overall BI Performance is slow. | |
| 2 | Export to excel shows 2003 or 2007+ only. Why?? | |

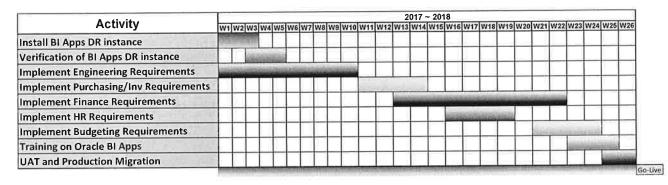


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4. High Level Project Timeline*

This SOW is estimated to be twenty six weeks work for implementation of the above included scope.



^{*} The above timeline represents business weeks, excluding holidays and shutdowns

5. Deliverables

As part of this SOW, DiLytics will complete the following Deliverables:

| 'n | Activity | Deliverable | Ownership |
|----|---|--|------------------------------------|
| Α. | Install Oracle BI Apps DR instance in Oracle Infrastructure cloud | OBIA DR instance working as expected with verified Reports, Dashboards and Data | IRWD Business users for UAT |
| В. | Implement Engineering Requirements | Delivery of Scope and Requirements documented in this SOW under Engineering | DiLytics team IRWD Business users |
| C. | Implement Purchasing and Inventory Requirements | Delivery of Scope and Requirements documented in this SOW under Purchasing and Inventory | DiLytics team IRWD Business users |
| D. | Implement Finance Requirements | Delivery of Scope and Requirements documented in this SOW under Finance | DiLytics team IRWD Business users |



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| ij | Activity | Deliverable | Ownership |
|----|--|---|------------------------|
| | | 5. Delivery of Scope and Requirements | DiLytics team |
| Ε. | Implement HR Requirements | documented in this SOW under Human Resource | IRWD Business users |
| | | | DiLytics team |
| F. | Implement Budgeting Requirements | Delivery of Scope and Requirements documented in this SOW under Budgeting | IRWD Business users |
| G. | Provide Training on Oracle BI Apps to business users | 7. Trained business users8. Data warehouse extensions | DiLytics team |
| Н. | Conduct UAT and obtain sign off | RPD metadata extension New Reports and Dashboards | IRWD Business users |
| ١. | Migrate to Production | 11. Signed off new Reports in Production | users |

Deliverables shall be deemed accepted by IRWD according to the following process:

IRWD will provide feedback on Deliverables by giving DiLytics written notice of the feedback within fifteen (15) business days of receipt of the Deliverables (the "Notice"). Upon receipt of the Notice, DiLytics shall make commercially reasonable efforts to make the Deliverables to address IRWD feedback. In the event, IRWD does not issue a Notice to DiLytics on the submitted Deliverables within fifteen (15) business days, the Deliverables will be deemed Accepted by IRWD.

6. Resource Requirements

As part of this SOW, DiLytics estimates the following resource commitments as requirements from both DiLytics and IRWD staff:

| | Activity | | DiLytics Resource | | IRWD Staff |
|----|---|---|--|---|---------------------------|
| Α. | Install Oracle BI Apps DR instance in Oracle Infrastructure cloud | • | Oracle BI Architect/PM Senior OBIEE Administrator Senior ODI Administrator | • | Business Users IT Team |
| В. | Implement Engineering Requirements | • | Oracle BI Architect/PM Lead ETL Developers Senior BI Developers | ٠ | Engineering team |
| C. | Implement Purchasing and Inventory Requirements | | Oracle BI Architect/PM Lead ETL Developers Senior BI Developers | • | Purchasing team |



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| Activity | DiLytics Resource | IRWD Staff |
|---|---|--|
| D. Implement Finance Requirements | Oracle BI Architect/PM Lead ETL Developers Senior BI Developers | Finance team |
| E. Implement HR Requirements | Oracle BI Architect/PM Lead ETL Developers Senior BI Developers | HR team |
| F. Implement Budgeting Requirements | Oracle BI Architect/PM Lead ETL Developers Senior BI Developers | Business Users |
| G. Provide Training on Oracle BI Apps to business usersH. Conduct UAT and obtain sign offI. Migrate to Production | Oracle BI Architect/PM Lead ETL Developers Senior BI Developers | Business UsersIT Team |

7. SOW Terms and Conditions

• Both Parties agree not to directly or indirectly employ or engage as an independent contractor any staff resource of the other Party who has performed Services during the term of this SOW and for a period of one (1) year thereafter without the prior written consent of the other Party.

8. Assumptions

- IRWD team will provide all available documentation on the current BI implementation.
- IRWD business users will provide inputs on their requirements for new Reports and Dashboards in this BI implementation.
- IRWD IT team will provide clarifications on our questions regarding this implementation.
- IRWD Staff will be available to provide their inputs, feedback and signoff in a timely manner.
- IRWD will provide all required hardware, software, space and remote access to systems to perform this SOW.
- IRWD will provide DiLytics with any IT Standards, Guidelines, Policies and Compliance requirements to be followed.

9. Service Delivery Location

- DiLytics team will complete the Deliverables related to this SOW in a combination of onsite and remote activities.
- To the extent this SOW permits services to be performed outside the United States, DiLytics will leverage its local affiliates in respective regions to perform such work.



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10. Implementation Fee

This SOW will be executed on a fixed fee basis over duration of 26 weeks. The fixed fee for this SOW shall not exceed USD \$240,680 without IRWD's prior written consent (the "Fees"). DiLytics will invoice IRWD based on the invoicing schedule provided below:

| Scope | Fixed fee* |
|---|------------|
| A. Install Oracle BI Apps DR instance in Oracle Infrastructure cloud | \$38,600 |
| B. Implement Engineering Requirements | \$46,300 |
| C. Implement Purchasing and Inventory Requirements | \$19,100 |
| D. Implement Finance Requirements | \$47,800 |
| E. Implement HR Requirements | \$18,200 |
| F. Implement Budgeting Requirements | \$19,800 |
| G. Provide Training on Oracle BI Apps to business usersH. Conduct UAT and obtain sign offI. Migrate to Production | \$16,400 |
| Contingency (Including T&E) | \$21,880 |
| Total | \$240,680 |

^{*}The fixed fee is based on the scope defined in this SOW and a total of 26 weeks effort estimate, contingent upon timely participation and feedback from IRWD's IT and Business teams. Any extension of the actual timeline resulting from delays in timely response from IRWD's IT and Business teams would warrant change order in addition to the fixed fee.

- All Invoices will be submitted in USD currency
- IRWD will make payments towards DiLytics' invoices on a payment term basis of Net 30
- All other terms and conditions regarding payments, rates and fees will be subject to the provisions of the Agreement;
- Any material changes to the scope of this SOW, such as additional deliverables or resources will increase the implementation fee;
- Any additional scope will require additional fee based on the size of scope.

11. Post Go-Live Support

Post go-live support is available as an option, as follows:



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| Production Support Options | Contract Duration | Fixed Fee Per Month# | Total Fee* |
|------------------------------|----------------------|----------------------|------------------|
| 6 month Post Go-Live Support | 6 month | \$5,000 (Fixed) | \$30,000 (Fixed) |
| 1 Year Post Go-Live Support | 12 months | \$4,000 (Fixed) | \$48,000 (Fixed) |

12. Approvals

| Accepted by: | Accepted by: |
|-----------------------------|----------------|
| Irvine Ranch Water District | DiLytics, Inc. |
| Ву: | Ву: |
| Name: | Name: |
| Title: | Title: |
| Date: | Date: |

[#] Represents the minimum fixed fee per month
* Effort over 20 hours per month will be billed additionally at \$125 per hour of additional effort over 20 hours.

September 25, 2017 Submitted by: P. Weghorst Approved by: Paul A. Cook

ACTION CALENDAR

REVISED WATER BANKING, TRANSFERS AND WHEELING POLICY POSITION PAPER

SUMMARY:

Irvine Ranch Water District policy position papers are reviewed periodically to determine if the positions are still valid, need revisions or if additional papers need to be written on different issues of importance to the District. Staff has modified the existing Water Banking, Transfers and Wheeling Policy Position Paper that was last revised and approved on October 26, 2015. These revisions take into consideration progress that has occurred in establishing and expanding IRWD's water banking programs, a reduced and uncertain need for imported water in the future and the potential for providing water supply reliability assistance to other retail water supply agencies in Orange County. Staff recommends that the Board approve the Water Banking, Transfers and Wheeling Policy Position Paper.

BACKGROUND:

In 2004, IRWD began producing policy position papers on topics of particular interest and importance to the District. Because of the IRWD Board of Directors' standing in the water industry, the opinions of individual Board members are regularly solicited on issues of vital interest to the industry and the community. To keep these position papers current, staff occasionally recommends that the Board review the papers and when appropriate, incorporate revisions.

IRWD's Water Banking, Transfers and Wheeling position paper was last revised and adopted by the Board on October 26, 2015. At that time, the approved policy reflected the construction of the Strand Ranch Integrated Banking Project, acquisition of the Jackson Ranch property, development of the Stockdale Integrated Banking Project, development of an agreement with Metropolitan Water District of Southern California for coordinated delivery of State Water Project supplies, the execution of approved pilot and long-term water supply programs involving unbalanced exchanges, and the execution of an agreement with Rosedale-Rio Bravo Water Storage District for the construction and operation of wells in Rosedale's service area that will assist both agencies to achieve groundwater recovery objectives. The paper also contemplated incorporating a third project site into the Stockdale Project and changes associated with the Administration's interest in establishing a water market for the State of California that would streamline water transfers and exchanges.

Updates to Policy Position Paper:

Since October 2015, numerous changes have occurred that require updating of IRWD's Water Banking, Transfers and Wheeling Policy Position Paper. One major change is that Rosedale and IRWD have certified and approved an Environmental Impact Report for the Stockdale Project that has facilitated the construction and equipping of additional recovery wells and related conveyance facilities. IRWD has also entered into a long-term one-for-one exchange agreement pw_Water Banking Policy Position Update.docx

Action Calendar: Revised Water Banking, Transfers and Wheeling Policy Position Paper September 25, 2017
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with Dudley Ridge Water District that will make water available for delivery into IRWD's service area.

Recently, IRWD and Rosedale submitted a grant application to the California Water Commission for the planning, design and construction of water conveyance and banking facilities at the third project site contemplated for the Stockdale Project as well as at other suitable sites. In addition, IRWD has completed an update to its Water Supply Master Plan that indicates a reduced and uncertain demand for imported water in the year 2035. This change in demand for imported water has allowed IRWD to enter into discussions with the Municipal Water District of Orange County to initiate a program to share reliability from IRWD's water banking projects with other water supply retail agencies. IRWD has also completed a Water Supply Reliability Evaluation that affirms the importance of IRWD's water banking programs to meet district demands during future dry periods. These changes have all resulted in the need to update the policy position paper.

The updated Water Banking, Transfers and Wheeling Policy Position Paper is attached as Exhibit "A". The position paper with changes identified from the October 15, 2015 version of the document is attached as Exhibit "B".

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

None.

COMMITTEE STATUS:

This item was reviewed by the Supply Reliability Programs Committee on September 21, 2017.

RECOMMENDATION:

THAT THE BOARD APPROVE THE DISTRICT'S WATER BANKING, TRANSFERS AND WHEELING POLICY POSITION PAPER.

LIST OF EXHIBITS:

Exhibit "A" – Updated Policy Paper: Water Banking, Transfers and Wheeling – under separate cover (copies available at the Board meeting).