

REVISED
AGENDA
IRVINE RANCH WATER DISTRICT
BOARD OF DIRECTORS
REGULAR MEETING

October 23, 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

Resolution No. 2017-24

3. COMMENDATION OF DAVID HAYDEN FOR 36 YEARS OF SERVICE TO THE DISTRICT

Recommendation: Adopt a resolution commending David Hayden for his years of service to the District.

Reso. 2017-

CONSENT CALENDAR

Items 4-10A

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, and Douglas Reinhart.

5. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the October 9, 2017 Regular Board Meeting be approved as presented.

CONSENT CALENDAR (Continued)

Items 4-10A

6. IRVINE RANCH WATER DISTRICT STRATEGIC MEASURES

Recommendation: Receive and file.

7. SEPTEMBER 2017 TREASURY REPORT

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report, the Monthly Interest Rate Swap Summary for September 2017, and Disclosure Report of Reimbursements to Board Members and Staff; approve the September 2017 Summary of Payroll ACH payments in the total amount of \$2,628,555 and approve the September 2017 Accounts Payable Disbursement Summary of Warrants 380088 through 380837, Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$17,908,966.

8. REIMBURSEMENT AGREEMENT BETWEEN IRWD AND THE CITY OF IRVINE FOR RELOCATION AND ADJUSTMENT OF IRWD FACILITIES FOR THE UNIVERSITY DRIVE WIDENING

Recommendation: That The Board authorize budget increases in the amount of \$100,000 each for Projects 07170, 07171 and 07172, each from \$148,000 to \$248,000, and authorize the General Manager to execute a Reimbursement Agreement with the City of Irvine for relocating and adjusting IRWD facilities as part of its University Drive Widening Project, Capital Improvement Project No. 311306.

9. FINAL ACCEPTANCE OF FACILITIES – SAN JOAQUIN MARSH

Recommendation: That the Board accept construction of the San Joaquin Marsh Improvements, Project 06168; authorize the General Manager to file a Notice of Completion; and authorize the payment of the retention 35 days after the date of recording the Notice of Completion

10. AUTOMATION SUPPORT CONSULTANT SERVICES

Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement in the amount of \$200,000 with Vertech Industrial Systems, LLC for automation support services for upcoming projects.

CONSENT CALENDAR (CONTINUED)

4-10A

10A. . 2017 SPECIAL DISTRICTS REPRESENTATIVE SEAT ELECTION FOR THE COUNTYWIDE ORANGE COUNTY REDEVELOPMENT AGENCY OVERSIGHT BOARD

Recommendation: The Board Authorize The District Secretary To Submit The "Declaration Of Qualification To Vote" Form Designating President Doug Reinhart As Irwd's Authorized Voting Member And Vice President Peer Swan As Irwd's Alternate Voting Member For The Orange County Special District Selection Committee Election; Nominate Director Mary Aileen Matheis As A Candidate For The Special District Representative Seat On The Orange County Redevelopment Agency Oversight Board; Authorize President Reinhart Or The Designated Alternate To Submit The "2017 Nomination Form" On Behalf Of Director Matheis; And Authorize The District's Voting Member To Cast The District's Ballot In Favor Of Director Matheis.

ACTION CALENDAR

11. ORANGE PARK ACRES SEWER SERVICE AGREEMENT AMENDMENT

Recommendation: That the Board approve a revised Addendum No. 9 to the Application for Service and Agreement with the Irvine Ranch Water District for sewer service within Orange Park Acres (Improvement District 256).

12. MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY RECOVERY FACILITIES CONTRACT CHANGE ORDERS NO. 64 AND NO. 65

Recommendation: That the Board approve Contract Change Order No. 64 in the amount of \$231,100.22 with Filanc/Balfour Beatty for structural, electrical, instrumentation, and controls modifications; and approve Contract Change Order No. 65 in the amount of \$149,591.14 with Filanc/Balfour Beatty for mechanical, electrical, and instrumentation changes for the Michelson Water Recycling Plant Biosolids and Energy Recovery Facilities, Project 04286.

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.

13. A. General Manager's Report

B. Directors' Comments

C. CLOSED SESSION: Conference with Labor Negotiator pursuant to Government Code Section 54957.6:

Agency Designated Representative: President Reinhart
Unrepresented Employee: Paul Cook

D. 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.

October 23, 2017

Prepared by: G. Garza /J. Zepeda

Submitted by: P. Sheilds

Approved by: P. Cook



PRESENTATION

RESOLUTION COMMENDING DAVID HAYDEN
FOR HIS DEDICATED SERVICE TO THE IRVINE RANCH WATER DISTRICT

SUMMARY:

Staff recommends commending Mr. David Hayden. for his dedicated service to the Irvine Ranch Water Service over the last 36 years, and has prepared a resolution for presentation at the meeting.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE BOARD ADOPT THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2017- 24

RESOLUTION OF THE BOARD OF DIRECTORS OF
IRVINE RANCH WATER DISTRICT, ORANGE COUNTY,
CALIFORNIA COMMENDING MR. DAVID "DAVE" HAYDEN
FOR HIS DEDICATED AND LOCAL SERVICE TO THE IRVINE
RANCH WATER DISTRICT

LIST OF EXHIBITS:

Exhibit "A" - Resolution

EXHIBIT "A"

RESOLUTION NO. 2017-24

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT COMMENDING
DAVID "DAVE" HAYDEN FOR HIS DEDICATED AND
OUTSTANDING SERVICE TO THE DISTRICT

WHEREAS, Dave Hayden began his career at the Irvine Ranch Water District (District) on October 13, 1981 as an Operator in training; was promoted to Operator III in 1984; and then to Operations Supervisor in 2005; and

WHEREAS, for the past 12 years as Operations Supervisor, Dave directed all phases of operations for the Michelson Water Recycling Plant (MWRP), effectively assisted with managing its annual budget of \$19 million, and managed a department of 19 employees; and

WHEREAS, Dave has provided the District with 36 years of outstanding service to the District in Resource Recovery Operations and was instrumental in the Phase I Circular clarifier project and the Phase II design and construction phases for the new MWRP influent truck sewer, headworks, primaries, wet hydrogen sulfide scrubber, biological nitrogen removal, General Electric membrane bio reactor, and ultra violet disinfection.

WHEREAS, Dave is known for his extensive technical and leadership skills and has mentored many employees throughout his career with thoughtfulness and compassion; and

WHEREAS, during Dave's tenure at the District, he has received many certifications including the California State Water Resources Control Board's Grade III Wastewater Treatment Plant Operator; California Water Environment Association's Grade II Collection System Maintenance and Mechanical Technical Technologist Certificate, the California Water Environment Association's Certificate, the American Water Works Association's Grade II Water Distribution Operator Certificate, and the California Department of Health Services Grade II Water Treatment Operator Certificate; and

WHEREAS, Dave is recognized for his participation and efforts as a member of the *IRWD Raging Reclaimers*, who received regional and state honors from the California Water Pollution Control Associations' *Operations Challenge* competitions. The *Raging Reclaimers* participated in many events and received first place regional honors for two consecutive years as well as first place in state competitions in the Mechanical Maintenance, Collection System and Laboratory categories.

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors of the Irvine Ranch Water District commends Dave Hayden for his long and loyal service. His dedication and outstanding service stands as an example to all employees. On this occasion, the Board extends its best wishes to Dave on his retirement from the District.

SIGNED and APPROVED this 23rd day of October 2017.

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

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

October 23, 2017

Prepared and

Submitted by: L. Bonkowski

Approved by: P. Cook



CONSENT CALENDAR

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

SUMMARY:

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

Events/Meetings

Steven LaMar

October 27
November 9

OC Forum Series – Election 2018 – Hon. John Chiang, Costa Mesa
ACWA Weather Seminar, Sacramento

Douglas Reinhart

November 9

Meeting with SMWD regarding Chiquita/LAWRP

Mary Aileen Matheis

November 9

Meeting with SMWD regarding Chiquita/LAWRP

RECOMMENDATION:

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

LIST OF EXHIBITS:

None.

October 23, 2017

Prepared and

Submitted by: L. Bonkowski

Approved by: P. Cook




CONSENT CALENDAR

MINUTES OF BOARD MEETING

SUMMARY:

Provided are the minutes of the October 9, 2017 Board Meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE OCTOBER 9, 2017 BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – October 9, 2017 Minutes of Board Meeting

EXHIBIT "A"

MINUTES OF REGULAR MEETING – OCTOBER 9, 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 Acting President Matheis on October 9, 2017 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

Directors Present: LaMar, Matheis, and Withers

Directors Absent: Swan and Reinhart

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, Public Affairs Manager Fabris, Executive Director of Operations Sheilds, Director of Human Resources Roney, Director of Treasury and Risk Manager Jacobson, Director of Water Operations Zepeda, Legal Counsel Smith, Secretary Bonkowski, Assistant Secretary Swan and Principle Engineer Cortez.

WRITTEN AND ORAL COMMUNICATIONS: None.

ITEMS TOO LATE TO BE AGENDIZED: None.

CONSENT CALENDAR

On MOTION by Withers, seconded and unanimously carried, CONSENT CALENDAR ITEMS 3 THROUGH 5 WERE APPROVED AS FOLLOWS:

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

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

4. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the September 25, 2017 Regular Board Meeting be approved as presented.

5. 2017 LEGISLATIVE AND REGULATORY UPDATE

Recommendation: Receive and file.

MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY RECOVERY FACILITIES CONTRACT CHANGE ORDER NO. 62 AND RETENTION BOND

General Manager Cook reported that Filanc/Balfour-Beatty (FBB) is constructing the Michelson Water Recycling Plant (MWRP) Biosolids and Energy Recovery Facilities (Biosolids Project). Mr. Cook said that Contract Change Order (CCO) No. 62 includes costs for several electrical and controls items and that staff has negotiated a Retention Bond agreement to assist FBB with cash flow at this stage in the project.

Executive Director of Engineering and Water Quality Burton reported that staff negotiated with FBB and agrees with the labor and material costs contained in this change order as follows: 1) fats, oil, and grease modifications in the amount of \$52,174.90; 2) density meter conduit and cabling modifications in the amount of \$52,518.11; 3) fiber optic modifications in the amount of \$20,607.14; 4) sludge screen pneumatic control panel conduit and cabling in the amount of \$8,859.95; 5) additional circuits for control of the thickening centrifuges in the amount of \$376,674.08; 6) power panel pp-8001 circuit breakers in the amount of \$50,135.26; 7) electrical power feeders to electric water heaters in the amount of \$16,551.27; 8) chemical sump pump control panel space heater wiring modifications in the amount of \$12,822.26; 9) relocate electrical feeders to generator bus in the amount of \$22,785.74; 10) electrical and instrumentation-related components for the installation of thin client at dryer facility pellet load-out in the amount of \$49,908.43; 11) polymer room eye wash station flow switches in the amount of \$24,567.89; 12) chemical storage and feed modifications in the amount of \$13,055.18; and 13) PLC redundancy hot standby status register in the amount of \$7,502.51.

Mr. Burton said that the second item relates to retention, and that FBB proposed providing a bond for a portion of the remaining contract retention allowing the release of funds from the escrow account providing the District with an alternate means of security. The Retention Bond Agreement would be for \$6,000,000 or 3.34% of the contract amount and the District will still hold \$1,828,735 in cash in the escrow account, or 1.02% of the contract amount.

Director LaMar said that this item was reviewed by the Engineering and Operations Committee on September 13, 2017. On MOTION by LaMar, seconded and unanimously carried, **THE BOARD APPROVED CONTRACT CHANGE ORDER NO. 62 IN THE AMOUNT OF \$708,162.72 WITH FILANC/BALFOUR BEATTY FOR ELECTRICAL AND CONTROLS MODIFICATIONS, AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE THE RETENTION BOND AGREEMENT FOR THE MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY RECOVERY FACILITIES, PROJECT 04286.**

2017 SEWER REHABILITATION CONSTRUCTION AWARD

Executive Director of Engineering and Water Quality Burton reported that staff routinely inspects sewer pipelines using remote-controlled camera equipment, documents all discovered issues and performs most sewer repairs. Mr. Burton said that this project will rehabilitate approximately 3,500 feet of gravity sewer pipeline between eight and 15 inches in diameter at 11 locations including four in Irvine, six in Lake Forest and one in Newport Coast. The sewers will be rehabilitated with cured-in-place pipe lining, requiring the contractor to set up traffic control and install sewer bypass systems to perform the work.

Mr. Burton said that the project was advertised to a select list of six contractors with bids received from two contractors, Insituform and Sancon. He said that Insituform is the apparent low bidder with a bid of \$238,300. The engineer's estimate is \$221,150. He further said that Insituform has performed well on previous District projects including the Lake Forest Woods Sewer Rehabilitation project and the Main and Gillette Sewer Rehabilitation project. On MOTION by LaMar, seconded and unanimously carried, **THE BOARD AUTHORIZED A BUDGET INCREASE IN THE AMOUNT OF \$126,000, FROM \$322,000 TO \$448,000, FOR PROJECT 07100, AND AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH INSITUFORM IN THE AMOUNT OF \$238,300 FOR THE 2017 SEWER REHABILITATION, PROJECT 07100.**

GENERAL MANAGER'S REPORT

General Manager Cook updated the Board on the Canyon Fire 2 located at the 91 freeway and 241 toll road with evacuations in Anaheim Hills and Orange Park Acres. He noted that the District's reservoirs had been filled. and that Mr. Bryan Clinton was staged at the emergency operations center.

Mr. Cook reported that staff initiated a process to implement an energy efficient upgrade to the District's MWRP membrane bioreactor and that staff received notification today from SCE of an incentive approval of \$140,000 through the LEAPmbr Aeration Conversion project.

Mr. Cook said that he will be making a presentation to LAFCO this week relative to the District's successful consolidation with Lake Forest in 2000.

DIRECTORS' COMMENTS

Directors Withers reported that he and Director Matheis attended an ISDOC Executive Committee meeting noting that the largest districts will be paying more fees in the future, a Live Nation Amphitheater event last Thursday at the Great Park, and an OCSL Legislative and Public Affairs Committee meeting. He said that this Wednesday he will be attending a LAFCO meeting and on Friday, a WACO meeting.

Director Matheis reported on her attendance at a 2017 Colorado River Symposium in Santa Fe, New Mexico. She further commented on reading the recent Hoover Commission's Executive Summary and LAFCO report.

Director LaMar reported on his attendance at an ACWA Federal Affairs meeting, an ACWA two-day budget workshop in Sacramento, a MWDOC Workshop with MWD Directors, and an ACWA Regions 9 and 10 event in Corona with Director Matheis.

ADJOURNMENT

There being no further business, Acting President Matheis adjourned the meeting at 5:32 p.m.

APPROVED and SIGNED this 23rd day of October, 2017.

President, IRVINE RANCH WATER DISTRICT

Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Alfred Smith, Legal Counsel – Nossaman LLP

October 23, 2017

Prepared by: Tina Bertsch/Christopher Smithson

Submitted by: Cheryl Clary

Approved by: Paul A. Cook

CONSENT CALENDAR

IRVINE RANCH WATER DISTRICT STRATEGIC MEASURES

SUMMARY:

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

BACKGROUND:

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

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE REPORT.

LIST OF EXHIBITS:

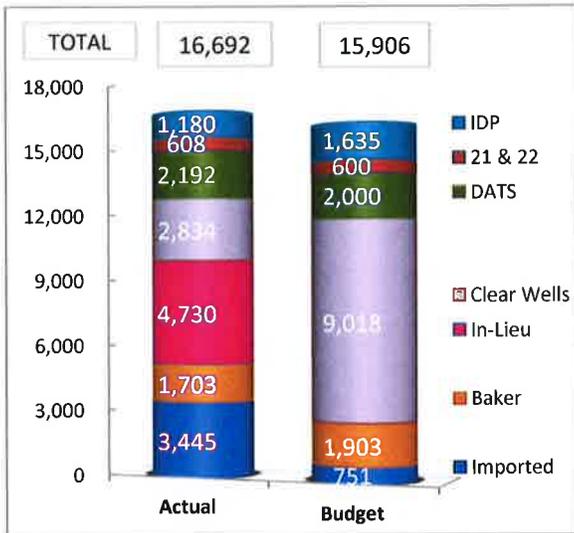
Exhibit "A" – September 2017 Strategic Measures

IRVINE RANCH WATER DISTRICT

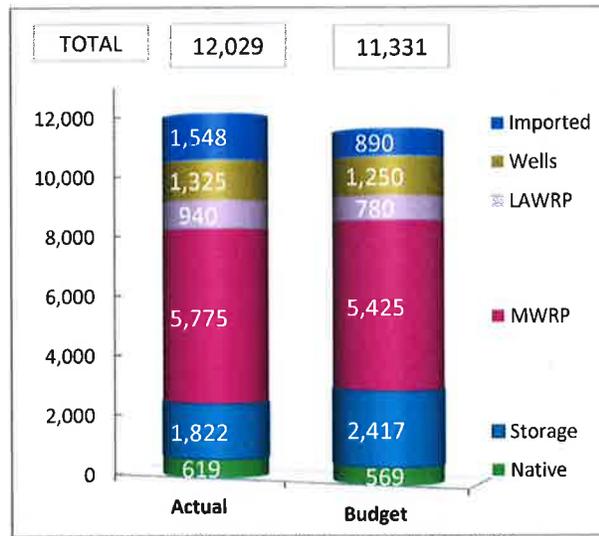
Operational Performance Measures

Data as of September 30, 2017

Potable Water Production FYTD (AF)



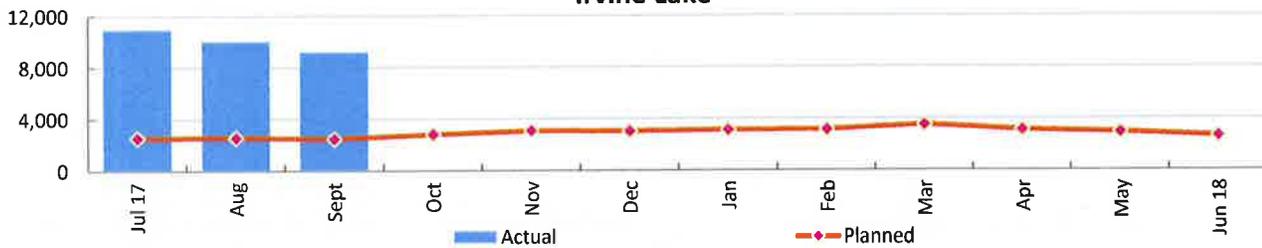
Non-Potable Water Production FYTD (AF)



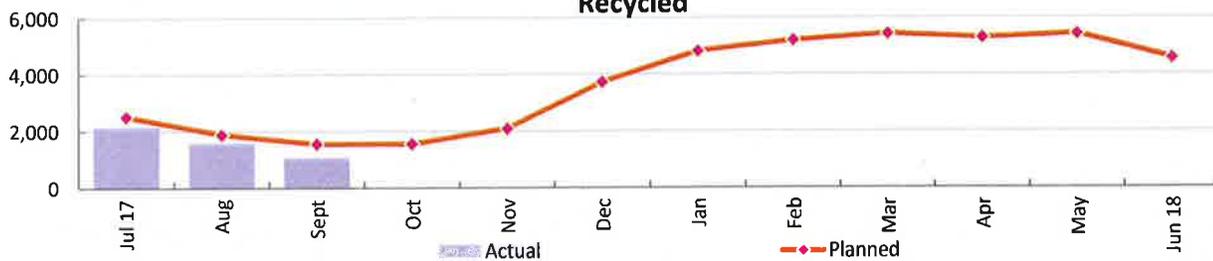
* Excess production moved to recycled reservoirs.

Non-Potable Reservoir Storage (AF)

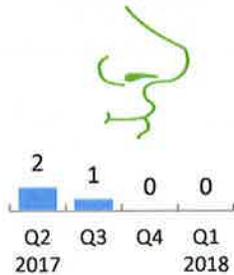
Irvine Lake



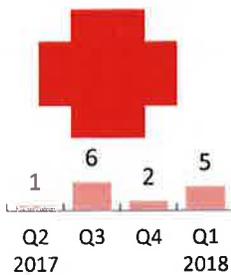
Recycled



Odor Complaints (FY by quarter)



OSHA Recordables Incidents



Regulatory Compliance Incidents

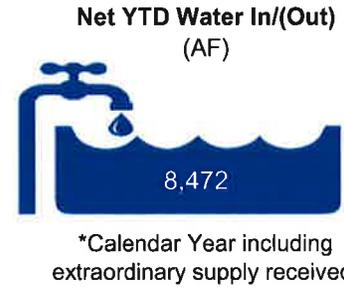
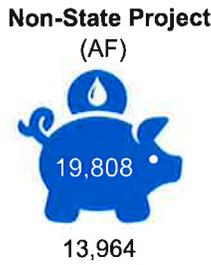
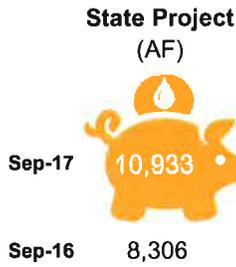
AQMD	0	0	0	0
Plants	1	0	1	0
Sewer Spills	0	0	3	0
	Q2 2017	Q3 2017	Q4 2017	Q1 2018

IRVINE RANCH WATER DISTRICT

Other Statistical Information

Data as of September 30, 2017

Banked Water



Certificates of Occupancies FYTD

Apartment Condominium Single Family



	Apartment	Condominium	Single Family
FY 17-18	865	450	445
FY 16-17	146	257	370

Total Potable Water

Q1

Q1



AF

GPCD

	AF	GPCD
FY 17-18	16,574	75
FY 13-14	18,061	94
Reduction	8.2%	20%

Acre-Feet Per Acre Irrigation

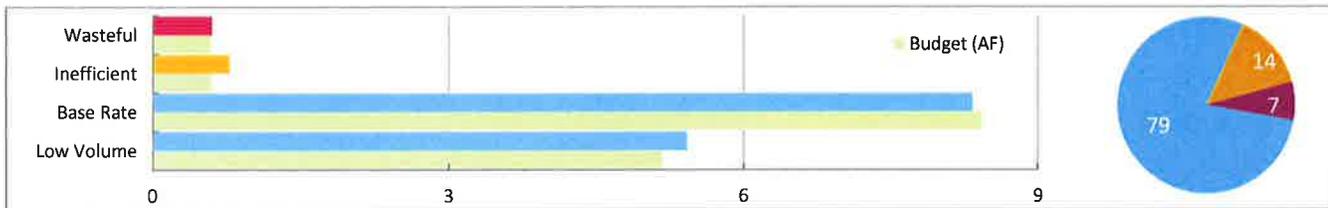


AF ET Based Allocation

	AF	ET Based Allocation
FY17-18 Q1	0.31	0.37
FY13-14 Q1	0.29	0.37

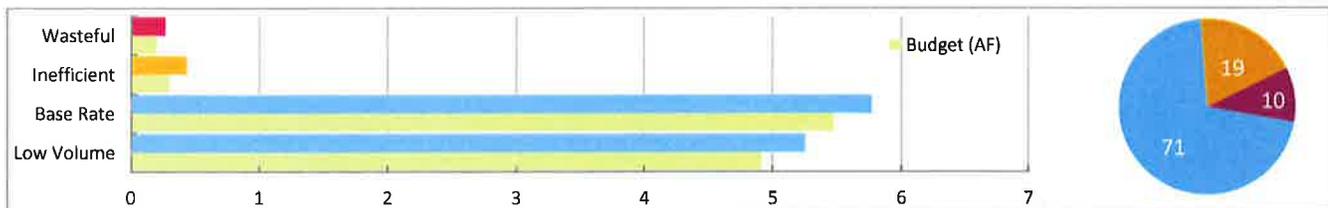
Potable Sales by Tier FYTD

(in thousands)



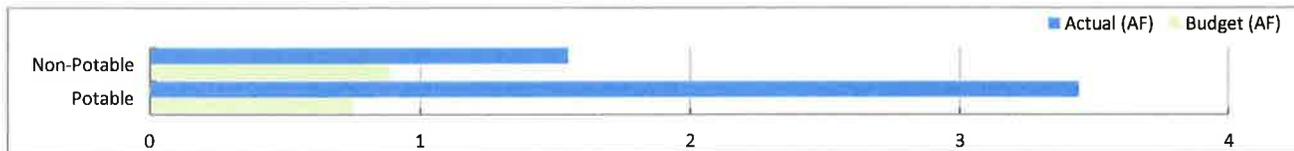
Non-Potable Sales by Tier FYTD

(in thousands)



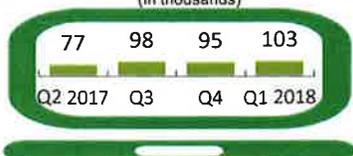
Imported Water Purchases FYTD

(in thousands)



Website Hits

(in thousands)



Customer Satisfaction Index**



** 12 month rolling average

October 23, 2017

Prepared by: J. Davis/T. Fournier

Submitted by: R. Jacobson/C. Clary

Approved by: Paul Cook

CONSENT CALENDAR

SEPTEMBER 2017 TREASURY REPORTS

SUMMARY:

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

- A. The Investment Summary Report for September 2017. This Investment Summary Report is in conformity with the 2017 Investment Policy and provides sufficient liquidity to meet estimated expenditures during the next six months, as outlined in Exhibit "A".
- B. The Summary of Fixed and Variable Debt as of September 30, 2017, as outlined in Exhibit "B".
- C. The Monthly Interest Rate Swap Summary as of September 30, 2017, as outlined in Exhibit "C".
- D. The September 30, 2017 Disbursement Summary of warrants 380088 through 380837, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$17,908,966 as outlined in Exhibit "D".
- E. The Summary of Payroll ACH payments in the total amount of \$2,628,555, as outlined in Exhibit "E".
- F. The Disclosure Report of Reimbursements to Board Members and Staff for September 2017, detailing payments or reimbursements for individual charges of \$100.00 or more per transaction, as outlined in Exhibit "F".

FISCAL IMPACTS:

As of September 30, 2017, the book value of the investment portfolio was \$376,820,910, with a 1.08% rate of return and a market value of \$375,318,631. Based on the District's September 30, 2017 quarterly real estate investment rate of return of 8.79%, the weighted average return for the fixed income and real estate investments was 3.36%.

As of September 30, 2017, the outstanding principal amount of fixed and variable rate debt was \$692,435,000. The monthly weighted average all-in variable rate was 1.15%. 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 3.55%.

As of September 30, 2017, the total notional amount of the interest rate swap portfolio was \$130 million of fixed payer swaps. Cash accrual in September from all swaps was negative \$472,505.

Payroll ACH payments totaled \$2,628,555, and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for September totaled \$17,908,966.

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 SEPTEMBER 2017, AND DISCLOSURE REPORT OF REIMBURSEMENTS TO BOARD MEMBERS AND STAFF; APPROVE THE SEPTEMBER 2017 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$2,628,555 AND APPROVE THE SEPTEMBER 2017 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 380088 THROUGH 380837 WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$17,908,966.

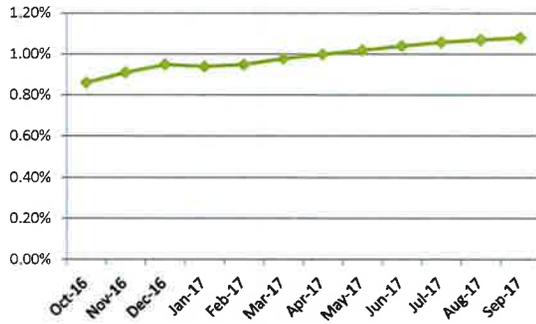
LIST OF EXHIBITS:

- 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

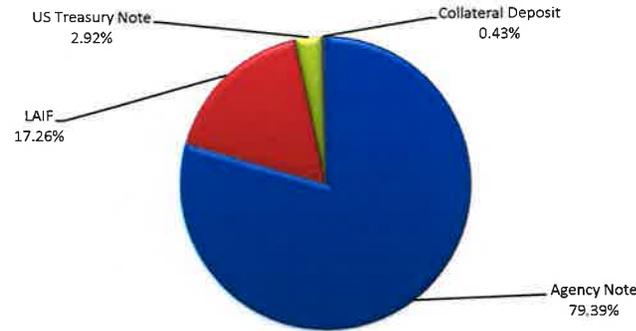
Exhibit "A"

Irvine Ranch Water District Investment Portfolio Summary September 2017

Monthly Fixed Income Yield



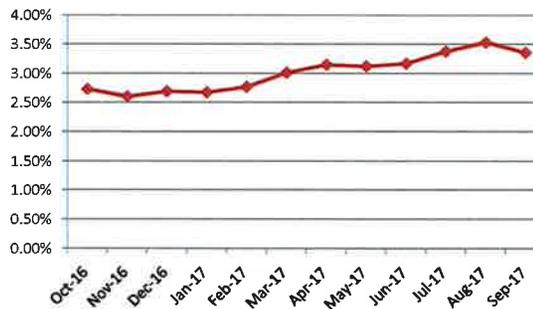
Portfolio Distribution



Investment Summary

Type	PAR	Book Value	Market Value
Agency Note	299,000,000	299,198,810	297,760,070
LAIF	65,000,000	65,000,000	64,937,735
US Treasury Note	11,000,000	11,004,114	11,002,840
Collateral Deposit	1,617,986	1,617,986	1,617,986
Grand Total	376,617,986	376,820,910	375,318,631

Weighted Average Return Including Real Estate Portfolio



Maturity Distribution



Top Issuers

Issuer	PAR	% Portfolio
Fed Home Loan Bank	115,000,000	30.53%
Fed Home Loan Mortgage Corp	79,000,000	20.98%
State of California Treasury - LAIF	65,000,000	17.26%
Fed Farm Credit Bank	55,000,000	14.60%
Fed Natl Mortgage Assoc	50,000,000	13.28%
US Treasury Note	11,000,000	2.92%
Citi-Group Collateral	1,617,986	0.43%
Merrill Lynch Collateral	0	0.00%
Grand Total	376,617,986	100.00%

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

09/30/17

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 9/30/2017	UNREALIZED ⁽²⁾ GAIN/(LOSS)
08/23/17			10/01/17		LAIF	State of California Tsy.	\$65,000,000		1.110%	\$65,000,000.00	\$65,000,000.00	64,937,734.62	(62,265.38)
09/21/17	N/A	N/A	10/03/17	NR	FHLB - Discount Note	Fed Home Loan Bank	4,000,000	1.000%	1.042%	3,998,666.68	3,999,777.78	3,999,880.00	102.22
09/05/17	N/A	N/A	10/15/17	Aaa/NR/AAA	US Treasury - Note	US Treasury	6,000,000	0.875%	1.090%	5,998,567.44	5,999,498.60	5,999,640.00	141.40
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	5,004,615.45	5,003,200.00	(1,415.45)
09/15/17	N/A	N/A	10/31/17	NR	FHLB - Discount Note	Fed Home Loan Bank	5,000,000	1.030%	1.046%	4,993,419.45	4,995,708.34	4,996,000.00	291.66
12/08/16	N/A	N/A	11/21/17	AAA/NR/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	0.750%	0.866%	9,989,000.00	9,998,387.93	9,995,500.00	(2,887.93)
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	4,996,971.03	4,998,350.00	1,378.97
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	3,999,925.81	3,996,240.00	(3,685.81)
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	4,995,750.00	(4,250.00)
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	5,004,502.74	4,992,650.00	(11,852.74)
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	4,998,961.75	4,986,200.00	(12,761.75)
05/16/16	N/A	N/A	05/16/18	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.750%	0.801%	4,995,000.00	4,998,445.21	4,987,600.00	(10,845.21)
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	5,003,363.69	4,987,200.00	(16,163.69)
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	11,018,973.15	10,997,250.00	(21,723.15)
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	10,005,939.73	9,977,500.00	(28,439.73)
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	4,992,783.50	4,977,200.00	(15,583.50)
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	4,989,435.22	4,986,150.00	(3,285.22)
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	4,984,200.00	(15,800.00)
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	5,009,835.80	4,986,800.00	(23,035.80)
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	4,995,267.20	4,986,800.00	(8,467.20)
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	9,994,671.33	9,963,600.00	(31,071.33)
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	4,996,798.88	4,980,200.00	(16,598.88)
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	5,005,162.83	4,988,250.00	(16,912.83)
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	9,995,660.27	9,949,600.00	(46,060.27)
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	10,079,947.32	10,013,000.00	(66,947.32)
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	5,048,058.39	4,979,300.00	(68,758.39)
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	5,025,431.51	5,018,000.00	(7,431.51)
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	4,987,292.72	5,018,000.00	30,707.28
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	4,996,138.48	4,962,750.00	(33,388.48)
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	4,994,341.40	4,962,750.00	(31,591.40)
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	4,994,043.58	4,962,750.00	(31,293.58)
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	9,993,915.59	9,933,400.00	(60,515.59)
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	5,037,886.17	5,002,150.00	(35,736.17)
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	4,999,968.60	4,963,500.00	(36,468.60)
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	10,020,827.10	9,949,200.00	(71,627.10)
10/31/16	N/A	N/A	04/26/19	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.050%	1.060%	4,998,750.00	4,999,210.31	4,962,500.00	(36,710.31)
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	4,998,518.72	4,952,600.00	(45,918.72)

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

09/30/17

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 9/30/2017	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	5,053,420.67	5,008,250.00	(45,170.67)
10/12/16	NA	NA	06/14/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.625%	1.103%	5,068,515.88	5,045,044.80	5,008,250.00	(36,794.80)
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	4,979,688.48	4,942,100.00	(37,588.48)
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	4,997,305.39	4,961,650.00	(35,655.39)
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	4,999,043.08	4,927,000.00	(72,043.08)
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	4,999,362.05	4,956,900.00	(42,462.05)
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	4,998,352.64	4,950,950.00	(47,402.64)
09/28/16	Continuous after	12/27/16	09/27/19	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	1.250%	1.189%	5,001,500.00	5,000,995.43	4,947,450.00	(53,545.43)
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	9,992,923.17	9,897,300.00	(95,623.17)
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	9,982,632.54	9,896,200.00	(86,432.54)
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	5,000,526.03	4,953,400.00	(47,126.03)
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	4,993,231.28	4,982,650.00	(10,581.28)
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	4,989,217.03	4,960,400.00	(28,817.03)
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	5,001,061.65	4,982,550.00	(18,511.65)
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	4,986,936.09	4,991,700.00	4,763.91
05/12/17	One Time	10/27/17	04/27/20	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.750%	1.729%	5,003,000.00	5,002,917.51	5,000,500.00	(2,417.51)
SUB-TOTAL							<u>\$375,000,000</u>			<u>\$375,403,442.95</u>	<u>\$375,202,923.97</u>	<u>\$373,700,644.62</u>	<u>(\$1,502,279.36)</u>
<u>RESTRICTED CASH (Swap Collateral Deposits)⁽⁴⁾</u>													
04/01/17					Collateral Deposit	Citi-Group	\$1,617,986		1.160%	\$1,617,986.34	\$1,617,986.34	1,617,986.34	
					Collateral Deposit	Merrill Lynch	-						
SUB-TOTAL							<u>\$1,617,986</u>			<u>\$1,617,986.34</u>	<u>\$1,617,986.34</u>	<u>\$1,617,986.34</u>	
<u>TOTAL INVESTMENTS</u>							<u>\$376,617,986</u>			<u>\$377,021,429.29</u>	<u>\$376,820,910.31</u>	<u>\$375,318,630.96</u>	
					Petty Cash					3,400.00			
					Ck Balance	Bank of America				941,091.65			
										<u>\$377,965,920.94</u>			

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

Outstanding Variable Rate Debt \$291,900,000
Net Outstanding Variable Rate Debt (Less \$130 million fixed-payer swaps) \$161,900,000
Investment Balance: \$377,965,921

⁽²⁾ Gain (loss) calculated against carry value using the trading value provided by Bank of New York/or Brokers
Investment to Variable Rate Debt Ratio: 233%

⁽³⁾ Real estate rate of return is based on most recent quarter end return
Portfolio - Average Number of Days To Maturity⁽⁴⁾ 367

	Investment Portfolio	Real Estate ⁽³⁾ Portfolio	Weighted Avg. Return
September	1.08%	8.79%	3.36%
August	1.07%	14.59%	3.54%
Change	0.01%		-0.18%

This Investment Summary Report is in conformity with the 2017 Investment Policy and provides sufficient liquidity to meet the next six months estimated expenditures.
*S - Step up

Irvine Ranch Water District
 Summary of Real Estate - Income Producing Investments
 9/30/2017

INCOME PROPERTIES DESCRIPTION	ACQUISITION DATE	PROPERTY TYPE	OWNERSHIP INTEREST	ORIGINAL COST	ESTIMATED MARKET VALUE 9/30/2017	RATE OF RETURN QUARTER ENDED 9/30/2017
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 43,550,810	\$ 147,507,750	18.69%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	\$ 28,934,076	8.56%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,739,845	\$ 9,571,680	7.12%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,630,577	\$ 7,803,000	5.57%
Sand Canyon Professional Center	Jul-12	Medical Office	Fee Simple	\$ 8,648,594	\$ 10,820,160	8.66%
Total - Income Properties				\$ 72,569,826	\$ 204,636,666	14.18%
OTHER REAL ESTATE DESCRIPTION						
Serrano Summit - Promissory Note	Sep-17	NA	NA	\$ 81,600,000	\$ 81,600,000	4.00%
Total - Income Producing Real Estate Investments				\$ 154,169,826	\$ 286,236,666	8.79%

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

MATURITIES/SALES/CALLS

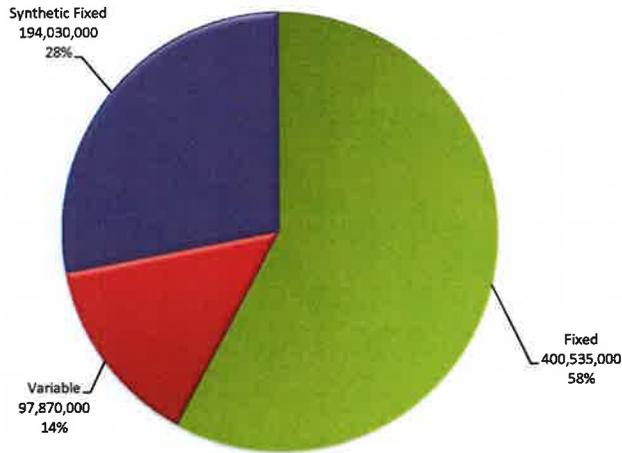
PURCHASES

DATE	SECURITY TYPE	PAR	YIELD	Settlement Date	Maturity Date	SECURITY TYPE	PAR	YIELD TO MATURITY
9/15/2017	FHLMC - Note	\$5,000,000	0.92%	9/15/2017	10/13/2017	FHLB - Discount Note	\$5,000,000	1.05%
				9/21/2017	10/3/2017	FHLB - Discount Note	\$4,000,000	1.01%

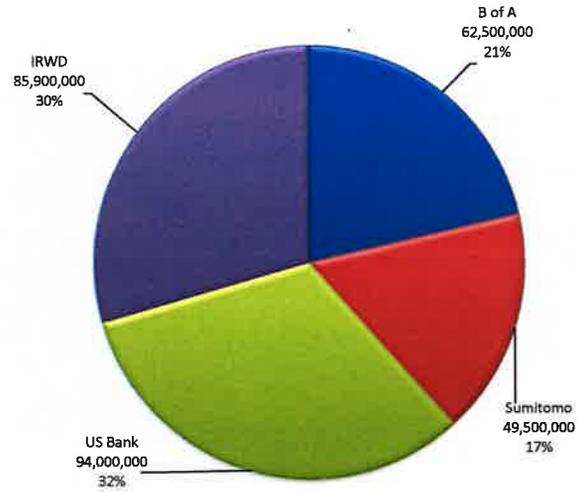
Exhibit "B"

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

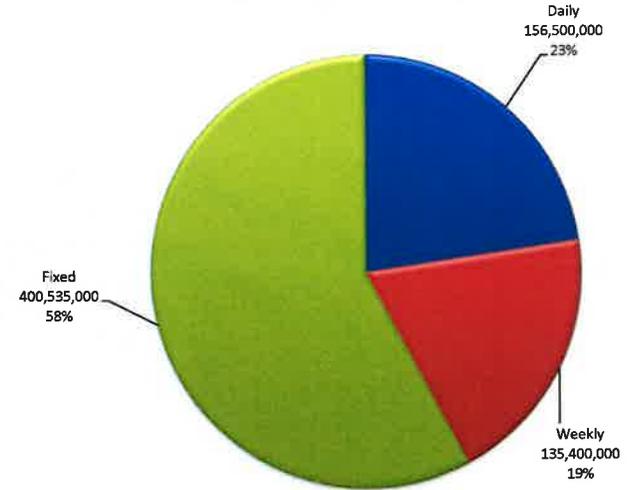
Current Debt Mix By Type



Letters of Credit / Support



Current Debt Rate Reset



Outstanding Par by Series

Series	Issue Date	Maturity Date	Remaining		Letter of Credit	Rmkt Agent	Mode	Reset
			Principal	Percent				
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			\$692,435,000	100.00%				

IRVINE RANCH WATER DISTRICT
SUMMARY OF DEBT RATES
Sep-17

Rmkt Agent	GOLDMAN		MORGAN STANLEY		MERRILL LYNCH		US BANK
	DAILY	WEEKLY	WEEKLY	WEEKLY	DAILY	WEEKLY	DAILY
Bond Issue	2009 - B	2011 A-1	2011 A-2	2011 A-2	1993	2008-A	2009-A
Par Amount	62,500,000	51,540,000	34,360,000	34,360,000	31,500,000	49,500,000	62,500,000
Bank	BOFA	(SIFMA+7)	(SIFMA+7)	(SIFMA+7)	US BANK	Sumitomo	US BANK
Reset		Wednesday	Wednesday	Wednesday		Wednesday	
9/1/2017	0.70%	0.86%	0.86%	0.86%	0.62%	0.75%	0.69%
9/2/2017	0.70%	0.86%	0.86%	0.86%	0.62%	0.75%	0.69%
9/3/2017	0.70%	0.86%	0.86%	0.86%	0.62%	0.75%	0.69%
9/4/2017	0.70%	0.86%	0.86%	0.86%	0.62%	0.75%	0.69%
9/5/2017	0.62%	0.86%	0.86%	0.86%	0.62%	0.75%	0.65%
9/6/2017	0.60%	0.86%	0.86%	0.86%	0.65%	0.75%	0.64%
9/7/2017	0.62%	0.85%	0.85%	0.85%	0.65%	0.72%	0.60%
9/8/2017	0.62%	0.85%	0.85%	0.85%	0.66%	0.72%	0.62%
9/9/2017	0.62%	0.85%	0.85%	0.85%	0.66%	0.72%	0.62%
9/10/2017	0.62%	0.85%	0.85%	0.85%	0.66%	0.72%	0.62%
9/11/2017	0.64%	0.85%	0.85%	0.85%	0.68%	0.72%	0.62%
9/12/2017	0.67%	0.85%	0.85%	0.85%	0.68%	0.72%	0.66%
9/13/2017	0.71%	0.85%	0.85%	0.85%	0.70%	0.72%	0.68%
9/14/2017	0.73%	0.89%	0.89%	0.89%	0.73%	0.73%	0.71%
9/15/2017	0.76%	0.89%	0.89%	0.89%	0.77%	0.73%	0.73%
9/16/2017	0.76%	0.89%	0.89%	0.89%	0.77%	0.73%	0.73%
9/17/2017	0.76%	0.89%	0.89%	0.89%	0.77%	0.73%	0.73%
9/18/2017	0.77%	0.89%	0.89%	0.89%	0.77%	0.73%	0.75%
9/19/2017	0.77%	0.89%	0.89%	0.89%	0.79%	0.73%	0.77%
9/20/2017	0.79%	0.89%	0.89%	0.89%	0.79%	0.73%	0.79%
9/21/2017	0.79%	0.95%	0.95%	0.95%	0.81%	0.80%	0.82%
9/22/2017	0.79%	0.95%	0.95%	0.95%	0.83%	0.80%	0.82%
9/23/2017	0.79%	0.95%	0.95%	0.95%	0.83%	0.80%	0.82%
9/24/2017	0.79%	0.95%	0.95%	0.95%	0.83%	0.80%	0.82%
9/25/2017	0.79%	0.95%	0.95%	0.95%	0.84%	0.80%	0.82%
9/26/2017	0.80%	0.95%	0.95%	0.95%	0.84%	0.80%	0.82%
9/27/2017	0.81%	0.95%	0.95%	0.95%	0.85%	0.80%	0.84%
9/28/2017	0.82%	1.01%	1.01%	1.01%	0.86%	0.90%	0.85%
9/29/2017	0.86%	1.01%	1.01%	1.01%	0.86%	0.90%	0.85%
9/30/2017	0.86%	1.01%	1.01%	1.01%	0.86%	0.90%	0.85%
Avg Interest Rates	0.73%	0.90%	0.90%	0.90%	0.74%	0.77%	0.73%
Rmkt Fee	0.10%	0.13%	0.13%	0.13%	0.10%	0.07%	0.07%
LOC Fee	0.40%				0.33%	0.32%	0.41%
All-In Rate	1.23%	1.03%	1.03%	1.03%	1.17%	1.15%	1.22%
Par Amount		114,040,000	34,360,000	34,360,000	81,000,000		62,500,000

Interest Rate Mode	Percent of Total Variable Rate Debt	Par Outstanding	Weighted All-In Average Rate	Base Rate Average
Daily	53.61%	156,500,000	1.21%	0.73%
Weekly	46.39%	135,400,000	1.07%	0.85%
	100.00%	\$ 291,900,000	1.15%	0.79%
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%	
All-In Debt Rate Including \$130 Million Notional Amount of Swaps				3.55%

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

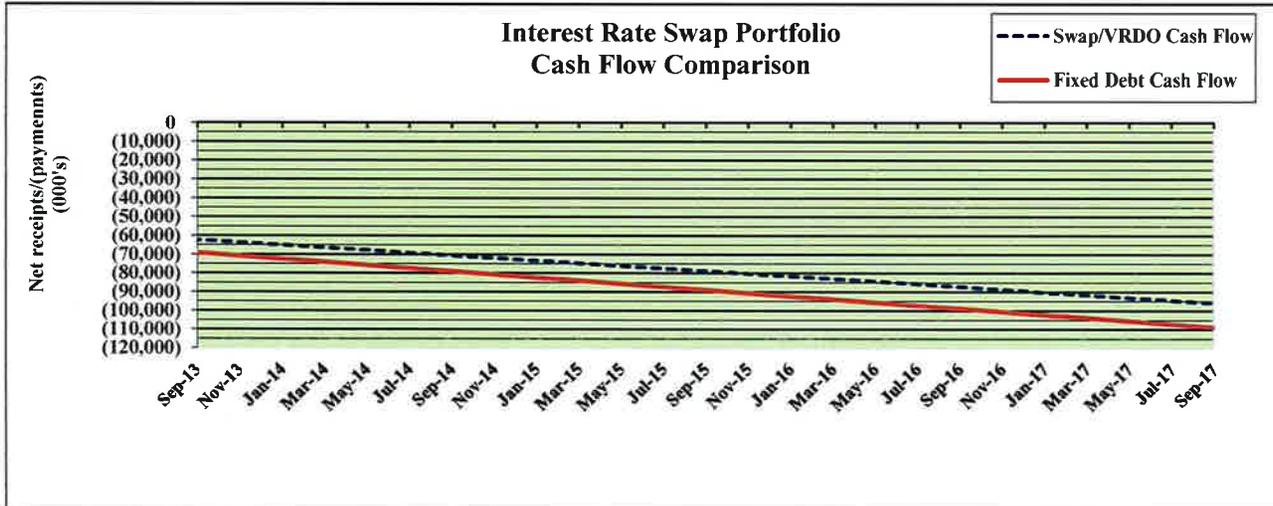
**IRVINE RANCH WATER DISTRICT
INTEREST RATE SWAP MONTHLY SUMMARY REPORT - DETAIL
September 30, 2017**

LIBOR Avg %	Prior Mo. 1.23%	Current Mo. 1.23%	12-Mo Avg 0.93%
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Current Fiscal Year Active Swaps								Cash Flow				(Since 6/06)	Mark to Market	
Effective Date	Maturity Date	Years to Maturity	Counter Party	Notional Amt	Type	Base Index	Fixed Rate	Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Current Mark to Market	Notional Difference	
Fixed Payer Swaps - By Effective Date														
6/4/2006	6/4/2019	1.7	ML	\$ 20,000,000	FXP	LIBOR	6.200%	(82,155)	(76,603)	\$ (244,787)	\$ (11,168,079)	\$ 18,476,822	\$ (1,523,178)	
6/4/2006	6/4/2019	1.7	CG	20,000,000	FXP	LIBOR	6.200%	(82,155)	(76,603)	(244,787)	(11,168,079)	18,477,079	(1,522,921)	
6/17/2006	6/17/2019	1.7	CG	30,000,000	FXP	LIBOR	6.140%	(121,807)	(113,518)	(362,510)	(16,565,167)	27,700,202	(2,299,798)	
3/10/2007	3/10/2029	11.4	ML	30,000,000	FXP	LIBOR	5.687%	(110,442)	(102,890)	(329,519)	(14,935,326)	19,550,803	(10,449,197)	
3/10/2007	3/10/2029	11.4	CG	30,000,000	FXP	LIBOR	5.687%	(110,442)	(102,890)	(329,519)	(14,935,326)	19,542,300	(10,457,700)	
Totals/Weighted Avgs		6.2		\$ 130,000,000			5.949%	\$ (507,000)	\$ (472,505)	\$ (1,511,121)	\$ (68,771,977)	\$ 103,747,206	\$ (26,252,794)	
Total Current Year Active Swaps				\$ 130,000,000				\$ (507,000)	\$ (472,505)	\$ (1,511,121)	\$ (68,771,977)	\$ 103,747,206	\$ (26,252,794)	

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

Current Fiscal Year - Total Swaps								Cash Flow				Mark to Market	
Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Current Mark to Market	Notional Difference								
\$ (507,000)	\$ (472,505)	\$ (1,511,121)	\$ (68,771,977)	\$ 103,747,206	\$ (26,252,794)								



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt	
Cash Flow to Date	
Synthetic Fixed =	\$95,711,818
Fixed Rate =	\$108,640,655
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

Report Date: 02-OCT-2017 07:41

Include Zero Amount Payments: Yes
 Display Payee Address: No

Period From: 01-SEP-17

Page: 1
 To: 30-SEP-17
 Date: Void Date

Bank: Bank of America N.A.

Branch: Los Angeles

Account: Checking AP and PR

Bank Account Currency: USD

Payment Currency: USD (US Dollar)

Payment Number	Date	Payee Name	Site	Address	Payment Amount	Void Date

Payment Document: IRWD CHECK						
375959	22-MAR-17	TRINH, RICHARD	INS CLAIM		39,000.00	29-SEP-17
376711	26-APR-17	Broderick, Jacob	HOME		17.79	06-SEP-17
376924	04-MAY-17	ARC	IRVINE		395.73	26-SEP-17
380644	28-SEP-17	ANTHEM BLUE CROSS	LOS ANGELES		490.40	29-SEP-17
380836	29-SEP-17	SAF-T-FLO WATER SERVICES, I	PURCHASE		14,771.72	29-SEP-17

Payment Document Subtotal 54,675.64

Bank Account Subtotal 54,675.64

Report Total 54,675.64

Report Count: 5

Voids

*** End of Report ***

IRWD Ledger Upgrade Payment Register For 01-SEP-17 To 30-SEP-17 Report Date: 29-SEP-2017 14:26
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 1
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380088		01-SEP-17	IRWD EMPLOYEE ASSOCIATION	15600 SC	1,325.00	22-SEP-17	1,325.00	Reconciled
380089		01-SEP-17	PERS LONG TERM CARE	PASADENA	878.66	07-SEP-17	878.66	Reconciled
380090		01-SEP-17	ORANGE COUNTY SHERIFF'S OFFICE	4601 JAMBOREE	62.50	11-SEP-17	62.50	Reconciled
380091		01-SEP-17	CLEARINGHOUSE	PHOENIX	477.67	05-SEP-17	477.67	Reconciled
380092		06-SEP-17	MARVIN GARDENS LLC	CHUNGTINGTON BEA	946.50	07-SEP-17	946.50	Reconciled
380093		07-SEP-17	Arce, Jesus (Jesse)		427.50	18-SEP-17	427.50	Reconciled
380094		07-SEP-17	Broderick, Jacob		17.79			Negotiable
380095		07-SEP-17	Chaney, David (Dave)		90.00	11-SEP-17	90.00	Reconciled
380096		07-SEP-17	Compton, Christine A		14.98			Negotiable
380097		07-SEP-17	Coria, Alejandro (Alex)		300.00	08-SEP-17	300.00	Reconciled
380098		07-SEP-17	Dillman, Tyler		100.00	14-SEP-17	100.00	Reconciled
380099		07-SEP-17	Fike, Ethan O (Ethan)		2,139.54	07-SEP-17	2,139.54	Reconciled
380100		07-SEP-17	Habiger, Steve Jr (Steve)		105.00	12-SEP-17	105.00	Reconciled
380101		07-SEP-17	Martinez, Veronica P		53.95	11-SEP-17	53.95	Reconciled
380102		07-SEP-17	Mwe, Nang		116.00	11-SEP-17	116.00	Reconciled
380103		07-SEP-17	Cortez, Malcolm A HOME (Malcolm)		81.32			Negotiable
380104		07-SEP-17	CNC ENGINEERING		6,416.25	13-SEP-17	6,416.25	Reconciled
380105		07-SEP-17	IRWD-PETTY CASH CUSTODIAN		1,432.16	11-SEP-17	1,432.16	Reconciled
380106		07-SEP-17	ABUHAMDEH, HIBEH		153.79	22-SEP-17	153.79	Reconciled
380107		07-SEP-17	ACCUSOURCE, INC.		210.10	19-SEP-17	210.10	Reconciled
380108		07-SEP-17	ALEXANDER'S CONTRACT SERVICES, INC.		116,932.31	14-SEP-17	116,932.31	Reconciled
380109		07-SEP-17	ALL AMERICAN ASPHALT		1,160.67	25-SEP-17	1,160.67	Reconciled
380110		07-SEP-17	ALSTON & BIRD LLP		46,597.89	15-SEP-17	46,597.89	Reconciled
380111		07-SEP-17	ALTA NURSERY, INC.		2,408.64	12-SEP-17	2,408.64	Reconciled
380112		07-SEP-17	AM CONSERVATION GROUP, INC.		952.62	12-SEP-17	952.62	Reconciled
380113		07-SEP-17	AMAZON CAPITAL SERVICES, INC.		93.34	11-SEP-17	93.34	Reconciled
380114		07-SEP-17	ANDERSON, VERNELLE		262.54	12-SEP-17	262.54	Reconciled
380115		07-SEP-17	ANGLERS MARINE		12,030.29	18-SEP-17	12,030.29	Reconciled

IRWD Ledger Upgrade Payment Register For 01-SEP-17 To 30-SEP-17 Report Date: 29-SEP-2017 14:26
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 2
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380116		07-SEP-17	AT&T		4,206.52	13-SEP-17	4,206.52	Reconciled
380117		07-SEP-17	AZTEC CONTAINER		2,995.45	11-SEP-17	2,995.45	Reconciled
380118		07-SEP-17	B & H PHOTO & VIDEO		1,199.97	12-SEP-17	1,199.97	Reconciled
380119		07-SEP-17	BAR-YOSEPH, RONEN		45.71			Negotiable
380120		07-SEP-17	BILL'S SWEEPING SERVICE INC		750.00	13-SEP-17	750.00	Reconciled
380121		07-SEP-17	BITECH CONSTRUCTION COMPANY, INC.		1,261.97	15-SEP-17	1,261.97	Reconciled
380122		07-SEP-17	BOYD & ASSOCIATES		3,753.00	12-SEP-17	3,753.00	Reconciled
380123		07-SEP-17	BROOKFIELD EASTWOOD TRIPLEX LLC		1,144.76	28-SEP-17	1,144.76	Reconciled
380124		07-SEP-17	CALIFORNIA BARRICADE RENTAL, INC.		5,846.66	12-SEP-17	5,846.66	Reconciled
380125		07-SEP-17	CAPTIVE AUDIENCE MARKETING INC.		79.00	12-SEP-17	79.00	Reconciled
380126		07-SEP-17	CDW GOVERNMENT LLC		440.92	13-SEP-17	440.92	Reconciled
380127		07-SEP-17	CENTRAL COAST POWER SERVICES, LLC		9,150.00	11-SEP-17	9,150.00	Reconciled
380128		07-SEP-17	CHEM TECH INTERNATIONAL INC		11,827.20	15-SEP-17	11,827.20	Reconciled
380129		07-SEP-17	CHO DESIGN ASSOCIATES, INC		22,200.00	13-SEP-17	22,200.00	Reconciled

380130	07-SEP-17	CITY OF LAKE FOREST	31,210.00	21-SEP-17	31,210.00	Reconciled
380131	07-SEP-17	CITY OF ORANGE	128.23	11-SEP-17	128.23	Reconciled
380132	07-SEP-17	CITY OF TUSTIN	1,882.20	11-SEP-17	1,882.20	Reconciled
380133	07-SEP-17	CLA-VAL COMPANY	2,677.03	12-SEP-17	2,677.03	Reconciled
380134	07-SEP-17	COAST PLUMBING HEATING AND AIR, INC	440.00	11-SEP-17	440.00	Reconciled
380135	07-SEP-17	CONTROLLED MOTION SOLUTIONS, INC	1,368.43	13-SEP-17	1,368.43	Reconciled
380136	07-SEP-17	COX COMMUNICATIONS, INC.	256.20	11-SEP-17	256.20	Reconciled
380137	07-SEP-17	CULLIGAN OF SANTA ANA	9,025.65	11-SEP-17	9,025.65	Reconciled
380138	07-SEP-17	CUMMINS PACIFTC, LLC	624.81	11-SEP-17	624.81	Reconciled
380139	07-SEP-17	D & G SIGNS	1,605.48	13-SEP-17	1,605.48	Reconciled

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

Payment Register For 01-SEP-17 To 30-SEP-17
 Account: Checking AP and PR
 Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Report Date: 29-SEP-2017 14:26
 Page: 3

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380140		07-SEP-17	DANESHMAND, SHARONE		707.40	11-SEP-17	707.40	Reconciled
380141		07-SEP-17	DE VAUL PAINT COMPANY		218.10	12-SEP-17	218.10	Reconciled
380142		07-SEP-17	DELL MARKETING LP		25,787.17	14-SEP-17	25,787.17	Reconciled
380143		07-SEP-17	DENALI WATER SOLUTIONS LLC		5,268.80	11-SEP-17	5,268.80	Reconciled
380144		07-SEP-17	DMS FACILITY SERVICES, INC.		18,251.93	14-SEP-17	18,251.93	Reconciled
380145		07-SEP-17	EAST ORANGE COUNTY WATER DISTRICT		8,708.11	13-SEP-17	8,708.11	Reconciled
380146		07-SEP-17	ELITE AUTOMOTIVE SERVICE, LLC		500.00	22-SEP-17	500.00	Reconciled
380147		07-SEP-17	ELITE EQUIPMENT, INC.		761.21	14-SEP-17	761.21	Reconciled
380148		07-SEP-17	EMEDCO		223.45	13-SEP-17	223.45	Reconciled
380149		07-SEP-17	EMERGENCY POWER CONTROLS INC		5,342.30	14-SEP-17	5,342.30	Reconciled
380150		07-SEP-17	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.		3,285.00	11-SEP-17	3,285.00	Reconciled
380151		07-SEP-17	ENVIRONMENTAL EXPRESS INC		854.43	12-SEP-17	854.43	Reconciled
380152		07-SEP-17	EXECUTIVE LIGHTING & ELECTRIC		5,622.20	12-SEP-17	5,622.20	Reconciled
380153		07-SEP-17	FARRELL & ASSOCIATES		921.30	11-SEP-17	921.30	Reconciled
380154		07-SEP-17	FARWEST CORROSION CONTROL COMPANY		3,867.38	11-SEP-17	3,867.38	Reconciled
380155		07-SEP-17	FEDEX		425.95	12-SEP-17	425.95	Reconciled
380156		07-SEP-17	FIRE EXTINGUISHING SAFETY & SERVICE		657.73	11-SEP-17	657.73	Reconciled
380157		07-SEP-17	FIRST CHOICE SERVICES		1,070.98	13-SEP-17	1,070.98	Reconciled
380158		07-SEP-17	FISHER SCIENTIFIC COMPANY LLC		560.35	11-SEP-17	560.35	Reconciled
380159		07-SEP-17	FUSCOE ENGINEERING, INC.		3,019.45	11-SEP-17	3,019.45	Reconciled
380160		07-SEP-17	GANAHL LUMBER CO.		3,218.34	15-SEP-17	3,218.34	Reconciled
380161		07-SEP-17	GEORGE YARDLEY CO., INC.		2,676.51	11-SEP-17	2,676.51	Reconciled
380162		07-SEP-17	GM SAGER CONSTRUCTION CO, INC.		25,300.00	15-SEP-17	25,300.00	Reconciled
380163		07-SEP-17	GRAINGER		2,318.01	11-SEP-17	2,318.01	Reconciled

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

Payment Register For 01-SEP-17 To 30-SEP-17
 Account: Checking AP and PR
 Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Report Date: 29-SEP-2017 14:26
 Page: 4

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380164		07-SEP-17	H2O INNOVATION USA INC		3,950.48	15-SEP-17	3,950.48	Reconciled
380165		07-SEP-17	HAAKER EQUIPMENT COMPANY		1,917.88	11-SEP-17	1,917.88	Reconciled
380166		07-SEP-17	HACH COMPANY		1,518.28	11-SEP-17	1,518.28	Reconciled
380167		07-SEP-17	HARRINGTON INDUSTRIAL PLASTICS LLC		1,259.80	11-SEP-17	1,259.80	Reconciled
380168		07-SEP-17	HASLER INC.		5,010.00	19-SEP-17	5,010.00	Reconciled
380169		07-SEP-17	HDR ENGINEERING		38,243.93	18-SEP-17	38,243.93	Reconciled

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
380170	07-SEP-17	INC	HEALTH SCIENCE ASSOCIATES, INC.		213.75	13-SEP-17	213.75	Reconciled
380171	07-SEP-17	HELPMATES STAFFING SERVICES			16,975.13	13-SEP-17	16,975.13	Reconciled
380172	07-SEP-17	HERITAGE FIELDS EL TORO, LLC			13,532.40	27-SEP-17	13,532.40	Reconciled
380173	07-SEP-17	HILL BROTHERS CHEMICAL COMPANY			5,244.47	12-SEP-17	5,244.47	Reconciled
380174	07-SEP-17	HOME DEPOT USA INC			206.91	13-SEP-17	206.91	Reconciled
380175	07-SEP-17	IDEXX DISTRIBUTION, INC			1,184.80	11-SEP-17	1,184.80	Reconciled
380176	07-SEP-17	INDUSTRIAL METAL SUPPLY CO			312.91	12-SEP-17	312.91	Reconciled
380177	07-SEP-17	INDUSTRIAL SHOE CO			141.15	13-SEP-17	141.15	Reconciled
380178	07-SEP-17	INFOSYS LIMITED			22,880.00	18-SEP-17	22,880.00	Reconciled
380179	07-SEP-17	IRVINE BEAUTIFUL CHURCH			11.92	26-SEP-17	11.92	Reconciled
380180	07-SEP-17	IRVINE COMMUNITY DEVELOPMENT COMPANY LLC			21,557.43	18-SEP-17	21,557.43	Reconciled
380181	07-SEP-17	IRVINE PIPE & SUPPLY INC			2,519.12	11-SEP-17	2,519.12	Reconciled
380182	07-SEP-17	JCI JONES CHEMICALS INC			2,109.45	18-SEP-17	2,109.45	Reconciled
380183	07-SEP-17	JOHN CRANE, INC.			1,539.65	12-SEP-17	1,539.65	Reconciled
380184	07-SEP-17	JW CONTRACTING INC			1,129.57			Negotiable
380185	07-SEP-17	KENNY THE PRINTER			255.88	11-SEP-17	255.88	Reconciled
380186	07-SEP-17	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES			400.00	11-SEP-17	400.00	Reconciled
380187	07-SEP-17	KIM, JIN HO			1,640.98	14-SEP-17	1,640.98	Reconciled
380188	07-SEP-17	KIMBALL MIDWEST			596.96	12-SEP-17	596.96	Reconciled
380189	07-SEP-17	L & S CONSTRUCTION INC			2,716.55	12-SEP-17	2,716.55	Reconciled

IRWD Ledger Upgrade Payment Register For 01-SEP-17 To 30-SEP-17 Report Date: 29-SEP-2017 14:26
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 5
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380190	07-SEP-17	LA HABRA FENCE COMPANY INC			9,981.00	15-SEP-17	9,981.00	Reconciled
380191	07-SEP-17	LANDFORMS LANDSCAPE			35.64	13-SEP-17	35.64	Reconciled
380192	07-SEP-17	LEWIS BRISBOIS BISGAARD AND SMITH, LLP			340.00	20-SEP-17	340.00	Reconciled
380193	07-SEP-17	LOM PARTNERS, LLC			9.32	28-SEP-17	9.32	Reconciled
380194	07-SEP-17	LOTUS CONSULTING			8,640.00	11-SEP-17	8,640.00	Reconciled
380195	07-SEP-17	LSA ASSOCIATES INC			6,413.75	11-SEP-17	6,413.75	Reconciled
380196	07-SEP-17	MC FADDEN-DALE INDUSTRIAL SUPPLY CO			210.39	12-SEP-17	210.39	Reconciled
380197	07-SEP-17	MC MASTER CARR SUPPLY CO			2,275.61	11-SEP-17	2,275.61	Reconciled
380198	07-SEP-17	METTLER-TOLEDO INC			1,359.36	11-SEP-17	1,359.36	Reconciled
380199	07-SEP-17	MICHAEL BAKER INTERNATIONAL, INC.			17,663.83	15-SEP-17	17,663.83	Reconciled
380200	07-SEP-17	MORRIS, AARON			632.03	12-SEP-17	632.03	Reconciled
380201	07-SEP-17	MR CRANE INC			1,094.45	11-SEP-17	1,094.45	Reconciled
380202	07-SEP-17	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY			674.00	11-SEP-17	674.00	Reconciled
380203	07-SEP-17	NATURALWELL, LLC			1,485.00	11-SEP-17	1,485.00	Reconciled
380204	07-SEP-17	NATURES IMAGE INC			1,889.60	12-SEP-17	1,889.60	Reconciled
380205	07-SEP-17	NGUYEN, LINH			247.84	19-SEP-17	247.84	Reconciled
380206	07-SEP-17	NOSSAMAN LLP			70,383.63	14-SEP-17	70,383.63	Reconciled
380207	07-SEP-17	O'HAREN GOVERNMENT RELATIONS			6,500.00	14-SEP-17	6,500.00	Reconciled
380208	07-SEP-17	OLIN CORPORATION			16,531.71	18-SEP-17	16,531.71	Reconciled
380209	07-SEP-17	OMEGA INDUSTRIAL SUPPLY, INC.			209.31	11-SEP-17	209.31	Reconciled
380210	07-SEP-17	ONESOURCE DISTRIBUTORS LLC			378.99	11-SEP-17	378.99	Reconciled
380211	07-SEP-17	ORACLE AMERICA, INC.			28,173.06	14-SEP-17	28,173.06	Reconciled
380212	07-SEP-17	ORANGE COUNTY SANITATION DISTRICT			1,500.00	11-SEP-17	1,500.00	Reconciled
380213	07-SEP-17	PACIFIC RESOURCE RECOVERY			3,319.69	12-SEP-17	3,319.69	Reconciled
380214	07-SEP-17	PACIFIC SURVEYS, LLC			1,195.00	13-SEP-17	1,195.00	Reconciled
380215	07-SEP-17	PAULUS ENGINEERING, INC.			13,524.40	14-SEP-17	13,524.40	Reconciled

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 Payment Type: All Display Supplier Address: No

380255	07-SEP-17	WASTE MANAGEMENT OF ORANGE COUNTY		2,481.84	11-SEP-17	2,481.84	Reconciled
380256	07-SEP-17	WAXIE'S ENTERPRISES, INC		1,274.96	12-SEP-17	1,274.96	Reconciled
380257	07-SEP-17	WEN, CHENSHENG		8.60	25-SEP-17	8.60	Reconciled
380258	07-SEP-17	WIRELESS WATCHDOGS, LLC		640.00	14-SEP-17	640.00	Reconciled
380259	07-SEP-17	ZEE MEDICAL SERVICE CO		506.75	11-SEP-17	506.75	Reconciled
380260	11-SEP-17	CITY OF TUSTIN	300 CENTENNIAL	243.00	12-SEP-17	243.00	Reconciled
380261	11-SEP-17	CITY OF TUSTIN	300 CENTENNIAL	181.14	12-SEP-17	181.14	Reconciled

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

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380262		11-SEP-17	PASCAL & LUDWIG CONSTRUCTORS	ONTARIO	9,785.00	13-SEP-17	9,785.00	Reconciled
380263		11-SEP-17	PASCAL & LUDWIG CONSTRUCTORS	ESR 243289424	515.00	13-SEP-17	515.00	Reconciled
380264		11-SEP-17	W.M. LYLES CO	FRESNO	93,295.94	15-SEP-17	93,295.94	Reconciled
380265		11-SEP-17	W.M. LYLES CO	ESCR 35110399	4,910.31	13-SEP-17	4,910.31	Reconciled
380266		11-SEP-17	PASCAL & LUDWIG CONSTRUCTORS	ONTARIO	728,094.72	15-SEP-17	728,094.72	Reconciled
380267		11-SEP-17	PASCAL & LUDWIG CONSTRUCTORS	ESR 243289025	38,320.78	14-SEP-17	38,320.78	Reconciled
380268		11-SEP-17	PASCAL & LUDWIG CONSTRUCTORS	ONTARIO	193,879.80	15-SEP-17	193,879.80	Reconciled
380269		11-SEP-17	PASCAL & LUDWIG CONSTRUCTORS	ESR 243289084	10,204.20	14-SEP-17	10,204.20	Reconciled
380270		14-SEP-17	Hoffman, Michael S (Mike)		95.00			Negotiable
380271		14-SEP-17	Kalinsky, Arseny (Arseny)		115.00	15-SEP-17	115.00	Reconciled
380272		14-SEP-17	Oldewage, Lars D (Lars)		72.99	19-SEP-17	72.99	Reconciled
380273		14-SEP-17	Reideler, Kevin		265.00	25-SEP-17	265.00	Reconciled
380274		14-SEP-17	Silva, Constantino (Tino)		80.00	25-SEP-17	80.00	Reconciled
380275		14-SEP-17	SOURCEMEDIA LLC	PURCHASE	3,499.00			Negotiable
380276		14-SEP-17	A STITCH ON TIME.COM		242.00	18-SEP-17	242.00	Reconciled
380277		14-SEP-17	ACCURATE AIR ENGINEERING INC		2,034.67	25-SEP-17	2,034.67	Reconciled
380278		14-SEP-17	AFLAC		203.12	19-SEP-17	203.12	Reconciled
380279		14-SEP-17	AFLAC		6,684.74	20-SEP-17	6,684.74	Reconciled
380280		14-SEP-17	AGUIRRE, ROBERT		51.58			Negotiable
380281		14-SEP-17	AIRGAS, INC.		1,355.40	19-SEP-17	1,355.40	Reconciled
380282		14-SEP-17	ALCORN FENCE COMPANY		22,848.00	18-SEP-17	22,848.00	Reconciled
380283		14-SEP-17	ALLIED ELECTRONICS INC		441.19	20-SEP-17	441.19	Reconciled
380284		14-SEP-17	ALMECIGA ROZO, DANIEL		24.60			Negotiable
380285		14-SEP-17	AM CONSERVATION GROUP, INC.		88.53	19-SEP-17	88.53	Reconciled
380286		14-SEP-17	ARCADIS U.S., INC.		87,164.97	21-SEP-17	87,164.97	Reconciled
380287		14-SEP-17	ARCHITERRA INC.		15,487.04	20-SEP-17	15,487.04	Reconciled
380288		14-SEP-17	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA		21,071.80	22-SEP-17	21,071.80	Reconciled

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 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380289		14-SEP-17	AT&T		48.66	20-SEP-17	48.66	Reconciled
380290		14-SEP-17	AT&T		1,661.41	21-SEP-17	1,661.41	Reconciled
380291		14-SEP-17	AT&T		569.86	21-SEP-17	569.86	Reconciled
380292		14-SEP-17	AUTOZONE PARTS, INC.		124.94	25-SEP-17	124.94	Reconciled
380293		14-SEP-17	BATTERIES PLUS AND BATTERIES PLUS BULBS		3,822.07	18-SEP-17	3,822.07	Reconciled
380294		14-SEP-17	BEST DRILLING AND PUMP, INC.		40,850.00	20-SEP-17	40,850.00	Reconciled
380295		14-SEP-17	BLAIRS TOWING INC		350.00	26-SEP-17	350.00	Reconciled
380296		14-SEP-17	BLOOMBERG FINANCE LP		12,735.00	21-SEP-17	12,735.00	Reconciled
380297		14-SEP-17	BRENNTAG PACIFIC		3,680.00	18-SEP-17	3,680.00	Reconciled

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
380298	14-SEP-17	14-SEP-17	INC BSI SERVICES AND SOLUTIONS (WEST), INC.		4,800.00	20-SEP-17	4,800.00	Reconciled
380299	14-SEP-17	14-SEP-17	BURKE, WILLIAMS & SORENSEN, LLP		4,070.95	19-SEP-17	4,070.95	Reconciled
380300	14-SEP-17	14-SEP-17	C WELLS PIPELINE MATERIALS INC		21,217.09			Negotiable
380301	14-SEP-17	14-SEP-17	CALIFORNIA BARRICADE RENTAL, INC.		2,662.50	18-SEP-17	2,662.50	Reconciled
380302	14-SEP-17	14-SEP-17	CANON FINANCIAL SERVICES, INC		1,312.40	20-SEP-17	1,312.40	Reconciled
380303	14-SEP-17	14-SEP-17	CLA-VAL COMPANY		6,827.12	18-SEP-17	6,827.12	Reconciled
380304	14-SEP-17	14-SEP-17	CLARKE MOSQUITO CONTROL PRODUCTS, INC.		3,633.98	22-SEP-17	3,633.98	Reconciled
380305	14-SEP-17	14-SEP-17	CLEAN ENERGY		6,119.79	25-SEP-17	6,119.79	Reconciled
380306	14-SEP-17	14-SEP-17	CLEARINGHOUSE		477.67	19-SEP-17	477.67	Reconciled
380307	14-SEP-17	14-SEP-17	CNC ENGINEERING		1,540.00	19-SEP-17	1,540.00	Reconciled
380308	14-SEP-17	14-SEP-17	COLONIAL LIFE & ACCIDENT INSURANCE CO.		1,336.20	20-SEP-17	1,336.20	Reconciled
380309	14-SEP-17	14-SEP-17	CONTROLLED MOTION SOLUTIONS, INC		435.66	18-SEP-17	435.66	Reconciled
380310	14-SEP-17	14-SEP-17	COOPER, GEORGETA		151.50			Negotiable
380311	14-SEP-17	14-SEP-17	COPE, ROBERT		165.00			Negotiable
380312	14-SEP-17	14-SEP-17	COXCO LLC		6,817.91	25-SEP-17	6,817.91	Reconciled
380313	14-SEP-17	14-SEP-17	CR & R INCORPORATED		168.26	20-SEP-17	168.26	Reconciled
380314	14-SEP-17	14-SEP-17	CR & R INCORPORATED		125.19	20-SEP-17	125.19	Reconciled

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 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380315	14-SEP-17	14-SEP-17	CS-AMSCO		4,692.97	26-SEP-17	4,692.97	Reconciled
380316	14-SEP-17	14-SEP-17	CUMMINS PACIFIC, LLC		450.00	18-SEP-17	450.00	Reconciled
380317	14-SEP-17	14-SEP-17	DDB ENGINEERING, INC.		4,194.98	19-SEP-17	4,194.98	Reconciled
380318	14-SEP-17	14-SEP-17	DEACON, JANET		782.69	27-SEP-17	782.69	Reconciled
380319	14-SEP-17	14-SEP-17	DEE JASPAR & ASSOCIATES, INC.		39,384.72			Negotiable
380320	14-SEP-17	14-SEP-17	DELL MARKETING LP		25,787.17	20-SEP-17	25,787.17	Reconciled
380321	14-SEP-17	14-SEP-17	DISCOUNT COURIER SERVICE		194.46	18-SEP-17	194.46	Reconciled
380322	14-SEP-17	14-SEP-17	DOMINGUEZ, JULIE		165.00	19-SEP-17	165.00	Reconciled
380323	14-SEP-17	14-SEP-17	EAGLE PRINT DYNAMICS		1,445.60	18-SEP-17	1,445.60	Reconciled
380324	14-SEP-17	14-SEP-17	EHS INTERNATIONAL, INC		1,800.00	19-SEP-17	1,800.00	Reconciled
380325	14-SEP-17	14-SEP-17	ELITE AUTOMOTIVE SERVICE, LLC		295.00	22-SEP-17	295.00	Reconciled
380326	14-SEP-17	14-SEP-17	EMPLOYEE BENEFIT SPECIALIST, INC		1,260.00	20-SEP-17	1,260.00	Reconciled
380327	14-SEP-17	14-SEP-17	EPD USA INC		1,054.77	19-SEP-17	1,054.77	Reconciled
380328	14-SEP-17	14-SEP-17	EUROFINS EATON ANALYTICAL, INC.		300.00	19-SEP-17	300.00	Reconciled
380329	14-SEP-17	14-SEP-17	FARRELL & ASSOCIATES		217.70	18-SEP-17	217.70	Reconciled
380330	14-SEP-17	14-SEP-17	FEDEX		330.08	20-SEP-17	330.08	Reconciled
380331	14-SEP-17	14-SEP-17	FERGUSON ENTERPRISES, INC.		4,516.88	18-SEP-17	4,516.88	Reconciled
380332	14-SEP-17	14-SEP-17	FIDELITY SECURITY LIFE INSURANCE COMPANY		6,720.23	19-SEP-17	6,720.23	Reconciled
380333	14-SEP-17	14-SEP-17	FIRST AMERICAN TITLE CO.		97.09	19-SEP-17	97.09	Reconciled
380334	14-SEP-17	14-SEP-17	FISHER SCIENTIFIC COMPANY LLC		14,343.52	19-SEP-17	14,343.52	Reconciled
380335	14-SEP-17	14-SEP-17	FLEET SOLUTIONS LLC		4,821.10	19-SEP-17	4,821.10	Reconciled
380336	14-SEP-17	14-SEP-17	FUSCOE ENGINEERING, INC.		2,670.00	18-SEP-17	2,670.00	Reconciled
380337	14-SEP-17	14-SEP-17	GARZA INDUSTRIES, INC		1,292.58	18-SEP-17	1,292.58	Reconciled
380338	14-SEP-17	14-SEP-17	GEORGE HILLS COMPANY, INC.		85.00	21-SEP-17	85.00	Reconciled
380339	14-SEP-17	14-SEP-17	GORAYA, DILARJ		40.44			Negotiable
380340	14-SEP-17	14-SEP-17	GRAINGER		2,059.69	19-SEP-17	2,059.69	Reconciled

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Cleared

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380341		14-SEP-17	GRAYBAR ELECTRIC COMPANY		2,205.55	18-SEP-17	2,205.55	Reconciled
380342		14-SEP-17	GRIFIN, REID		108.52	20-SEP-17	108.52	Reconciled
380343		14-SEP-17	HACH COMPANY		1,644.07	20-SEP-17	1,644.07	Reconciled
380344		14-SEP-17	HAMILTON, KURT		1,010.61			Negotiable
380345		14-SEP-17	HARRINGTON INDUSTRIAL PLASTICS LLC		2,158.11	18-SEP-17	2,158.11	Reconciled
380346		14-SEP-17	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY		107.12	19-SEP-17	107.12	Reconciled
380347		14-SEP-17	HDR ENGINEERING INC		8,941.00	20-SEP-17	8,941.00	Reconciled
380348		14-SEP-17	HELP/SYSTEMS, LLC		2,454.00	19-SEP-17	2,454.00	Reconciled
380349		14-SEP-17	HELPMATES STAFFING SERVICES		10,204.29	19-SEP-17	10,204.29	Reconciled
380350		14-SEP-17	HILL BROTHERS CHEMICAL COMPANY		3,546.72	19-SEP-17	3,546.72	Reconciled
380351		14-SEP-17	HOLDA, BRANDON		1.98			Negotiable
380352		14-SEP-17	HOME DEPOT USA INC		1,004.39	19-SEP-17	1,004.39	Reconciled
380353		14-SEP-17	HORIZON TECHNOLOGY INC		846.16	21-SEP-17	846.16	Reconciled
380354		14-SEP-17	HUNT, HARRIS		165.00	18-SEP-17	165.00	Reconciled
380355		14-SEP-17	INDUSTRIAL METAL SUPPLY CO		192.01	19-SEP-17	192.01	Reconciled
380356		14-SEP-17	IRVINE PIPE & SUPPLY INC		782.46	18-SEP-17	782.46	Reconciled
380357		14-SEP-17	IRWD EMPLOYEE ASSOCIATION		1,310.00	22-SEP-17	1,310.00	Reconciled
380358		14-SEP-17	IRWD-PETTY CASH CUSTODIAN		808.87	15-SEP-17	808.87	Reconciled
380359		14-SEP-17	JIG CONSULTANTS		10,330.00	22-SEP-17	10,330.00	Reconciled
380360		14-SEP-17	JOE RHODES MAINT SERVICE INC		970.17	20-SEP-17	970.17	Reconciled
380361		14-SEP-17	JOHN CRANE, INC.		4,816.37	20-SEP-17	4,816.37	Reconciled
380362		14-SEP-17	JOHN MICHAEL COVAS		191.70			Negotiable
380363		14-SEP-17	JONES, NATALIE		15.36			Negotiable
380364		14-SEP-17	KAYUGA SOLUTION INC		5,385.00	18-SEP-17	5,385.00	Reconciled
380365		14-SEP-17	KAZARIANS & ASSOCIATES, INC.		312.00	22-SEP-17	312.00	Reconciled
380366		14-SEP-17	KENT & AMY DAHLBERG		7,093.00	21-SEP-17	7,093.00	Reconciled
380367		14-SEP-17	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		3,125.00	19-SEP-17	3,125.00	Reconciled

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

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380368		14-SEP-17	KONECRANES INC		6,227.00	19-SEP-17	6,227.00	Reconciled
380369		14-SEP-17	KOZUKA, HIROSHI		31.96			Negotiable
380370		14-SEP-17	KS DIRECT LLC		4,062.44	18-SEP-17	4,062.44	Reconciled
380371		14-SEP-17	LEE & RO, INC.		45,517.56	21-SEP-17	45,517.56	Reconciled
380372		14-SEP-17	LEONARD CHAIDEZ TREE SERVICE		300.00	19-SEP-17	300.00	Reconciled
380373		14-SEP-17	LEYS, SUSAN		355.12			Negotiable
380374		14-SEP-17	LU, ZHUJIA		869.35			Negotiable
380375		14-SEP-17	M.CUBED		7,472.50	28-SEP-17	7,472.50	Reconciled
380376		14-SEP-17	MC MASTER CARR SUPPLY CO		3,780.93	19-SEP-17	3,780.93	Reconciled
380377		14-SEP-17	MCR TECHNOLOGIES INC		3,665.09	20-SEP-17	3,665.09	Reconciled
380378		14-SEP-17	MICHAEL BAKER INTERNATIONAL, INC.		14,721.60	21-SEP-17	14,721.60	Reconciled
380379		14-SEP-17	MOBILE MODULAR MANAGEMENT CORPORATION		1,018.24			Negotiable
380380		14-SEP-17	MOULTON NIGUEL WATER DISTRICT		1,036.34	22-SEP-17	1,036.34	Reconciled
380381		14-SEP-17	MSC INDUSTRIAL SUPPLY CO		24.14	22-SEP-17	24.14	Reconciled
380382		14-SEP-17	MUTUAL PROPANE		114.65	19-SEP-17	114.65	Reconciled
380383		14-SEP-17	NATURES IMAGE INC		1,504.60	19-SEP-17	1,504.60	Reconciled
380384		14-SEP-17	NO, BYUNGKUK		21.97			Negotiable
380385		14-SEP-17	NUNEZ, KAILANI		4.09	25-SEP-17	4.09	Reconciled
380386		14-SEP-17	O.C. SUPERIOR CUSTOM CLEANING SERVICES		168.00	22-SEP-17	168.00	Reconciled
380387		14-SEP-17	OLIN CORPORATION		14,728.22	21-SEP-17	14,728.22	Reconciled
380388		14-SEP-17	ONESOURCE DISTRIBUTORS LLC		439.10	18-SEP-17	439.10	Reconciled
380389		14-SEP-17	ORACLE AMERICA,		193,243.75	20-SEP-17	193,243.75	Reconciled

380390	14-SEP-17	INC. ORANGE COUNTY AUTO PARTS CO	5,122.64	18-SEP-17	5,122.64	Reconciled
380391	14-SEP-17	ORANGE COUNTY FIRE AUTHORITY	980.00	20-SEP-17	980.00	Reconciled
380392	14-SEP-17	ORANGE COUNTY SHERIFF'S OFFICE	62.50	22-SEP-17	62.50	Reconciled
380393	14-SEP-17	OUTSOURCE TECHNICAL LLC	1,305.00	18-SEP-17	1,305.00	Reconciled
380394	14-SEP-17	PACIFIC COAST BOLT CORE	6,783.17	20-SEP-17	6,783.17	Reconciled

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 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380395		14-SEP-17	PAPER DEPOT DOCUMENT		900.00	26-SEP-17	900.00	Reconciled
380396		14-SEP-17	DESTRUCTION LLC		1,972.65	20-SEP-17	1,972.65	Reconciled
380397		14-SEP-17	PARKHOUSE TIRE INC		413.97	20-SEP-17	413.97	Reconciled
380398		14-SEP-17	PERKINELMER HEALTH SCIENCES INC		878.66	20-SEP-17	878.66	Reconciled
380399		14-SEP-17	FERS LONG TERM CARE		562.34	18-SEP-17	562.34	Reconciled
380400		14-SEP-17	PHENIX ENTERPRISES, INC		8,319.49	18-SEP-17	8,319.49	Reconciled
380401		14-SEP-17	PIPELINE PRODUCTS INC		1,647.70	20-SEP-17	1,647.70	Reconciled
380402		14-SEP-17	PONTO AND SON'S WHOLESALE		1,139.49	20-SEP-17	1,139.49	Reconciled
380403		14-SEP-17	PRAXAIR DISTRIBUTION INC		1,336.14	21-SEP-17	1,336.14	Reconciled
380404		14-SEP-17	PRE-PAID LEGAL SERVICES INC		400.00	18-SEP-17	400.00	Reconciled
380405		14-SEP-17	PRO MOBILE AUTO DETAILING		815.00	19-SEP-17	815.00	Reconciled
380406		14-SEP-17	PROCARE WORK INJURY CENTER		6,392.52	18-SEP-17	6,392.52	Reconciled
380407		14-SEP-17	PRUDENTIAL OVERALL SUPPLY		1,513.70	18-SEP-17	1,513.70	Reconciled
380408		14-SEP-17	PTI SAND & GRAVEL INC		350.00	18-SEP-17	350.00	Reconciled
380409		14-SEP-17	QUICKEL PAVING INC		31.46	18-SEP-17	31.46	Reconciled
380410		14-SEP-17	R & S SOIL PRODUCTS INC		840.45	26-SEP-17	840.45	Reconciled
380411		14-SEP-17	RAINBOW DISPOSAL CO INC		357.36	21-SEP-17	357.36	Reconciled
380412		14-SEP-17	RAM AIR ENGINEERING INC		12,917.25	19-SEP-17	12,917.25	Reconciled
380413		14-SEP-17	REACH EMPLOYEE ASSISTANCE INC		971.60	28-SEP-17	971.60	Reconciled
380414		14-SEP-17	RED WING SHOE STORE		172.39	19-SEP-17	172.39	Reconciled
380415		14-SEP-17	RINCON TRUCK CENTER INC.		6,285.63	18-SEP-17	6,285.63	Reconciled
380416		14-SEP-17	RINGCLEAR LLC		102.12	20-SEP-17	102.12	Reconciled
380417		14-SEP-17	RMC WATER AND ENVIRONMENT		738.00	19-SEP-17	738.00	Reconciled
380418		14-SEP-17	ROYAL WHOLESALE ELECTRIC		9,423.32	18-SEP-17	9,423.32	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 14
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380419		14-SEP-17	SEPARATION PROCESSES INC		874.00	18-SEP-17	874.00	Reconciled
380420		14-SEP-17	SHAMROCK SUPPLY CO INC		819.05	19-SEP-17	819.05	Reconciled
380421		14-SEP-17	SHARIFI, SOFIE		589.31			Negotiable
380422		14-SEP-17	SILER, HUGH		5,905.53	20-SEP-17	5,905.53	Reconciled
380423		14-SEP-17	SITEONE LANDSCAPE SUPPLY, LLC		2,675.00	21-SEP-17	2,675.00	Reconciled
380424		14-SEP-17	SOLANA APTS		7.07			Negotiable
380425		14-SEP-17	SOUTH COAST ANSWERING SERVICE		681.35	20-SEP-17	681.35	Reconciled
380426		14-SEP-17	SOUTH COAST WATER CO.		40.00	19-SEP-17	40.00	Reconciled
380427		14-SEP-17	SOUTHERN CALIFORNIA EDISON COMPANY		32,442.38	18-SEP-17	32,442.38	Reconciled
380428		14-SEP-17	SOUTHERN COUNTIES		3,421.26	19-SEP-17	3,421.26	Reconciled

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
380429	14-SEP-17	LUBRICANTS LLC SUPPORT PRODUCT SERVICES, INC			1,643.12	27-SEP-17	1,643.12	Reconciled
380430	14-SEP-17	SUSAN A. SIROTA			4,295.00	18-SEP-17	4,295.00	Reconciled
380431	14-SEP-17	TAYLOR, CARRIE			3.34			Negotiable
380432	14-SEP-17	TESTAMERICA LABORATORIES, INC			336.00	20-SEP-17	336.00	Reconciled
380433	14-SEP-17	TETRA TECH, INC			71,720.00	25-SEP-17	71,720.00	Reconciled
380434	14-SEP-17	THE FURMAN GROUP, INC.			12,540.00	22-SEP-17	12,540.00	Reconciled
380435	14-SEP-17	THE GAS COMPANY			3,439.61	21-SEP-17	3,439.61	Reconciled
380436	14-SEP-17	THOMAS HARDER & CO			1,520.00	19-SEP-17	1,520.00	Reconciled
380437	14-SEP-17	THYSSENKRUPP ELEVATOR CORPORATION			185.84	19-SEP-17	185.84	Reconciled
380438	14-SEP-17	TRABUCO CANYON WATER DISTRICT			70,582.71	19-SEP-17	70,582.71	Reconciled
380439	14-SEP-17	TRANSCAT, INC			349.49	19-SEP-17	349.49	Reconciled
380440	14-SEP-17	TRIPAC MARKETING INC			206.80	19-SEP-17	206.80	Reconciled
380441	14-SEP-17	TROPICAL PLAZA NURSERY INC			33,002.70	20-SEP-17	33,002.70	Reconciled
380442	14-SEP-17	TRUCPARCO			351.98	25-SEP-17	351.98	Reconciled
380443	14-SEP-17	UTILITY SPECIALISTS, INC			13,700.00	27-SEP-17	13,700.00	Reconciled
380444	14-SEP-17	VENKATARAMAN, SHILPA			495.00	20-SEP-17	495.00	Reconciled
380445	14-SEP-17	WASTE MANAGEMENT OF ORANGE COUNTY			60.82	20-SEP-17	60.82	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 15
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 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380446	14-SEP-17	WATER RESEARCH FOUNDATION			25,000.00	25-SEP-17	25,000.00	Reconciled
380447	14-SEP-17	WATERBORNE, INC			465.00	26-SEP-17	465.00	Reconciled
380448	14-SEP-17	WAXIE'S ENTERPRISES, INC			330.56	19-SEP-17	330.56	Reconciled
380449	14-SEP-17	WECK LABORATORIES INC			7,550.00	22-SEP-17	7,550.00	Reconciled
380450	14-SEP-17	WINDWOOD GLEN			6.00			Negotiable
380451	15-SEP-17	JCI JONES CHEMICALS INC	TAMPA		3,149.80	21-SEP-17	3,149.80	Reconciled
380452	15-SEP-17	HOME DEPOT USA	INLOUISVILLE		113.44	20-SEP-17	113.44	Reconciled
380453	15-SEP-17	STATE BOARD OF EQUALIZATION	SACRAMENTO		7,449.00	20-SEP-17	7,449.00	Reconciled
380454	18-SEP-17	JCI JONES CHEMICALS INC	TAMPA		3,435.10	25-SEP-17	3,435.10	Reconciled
380455	20-SEP-17	NATIONAL WATER RESEARCH INSTITUTE	PURCHASING		50,000.00	21-SEP-17	50,000.00	Reconciled
380456	20-SEP-17	Bennett, Ray R (Ray)			178.71	22-SEP-17	178.71	Reconciled
380457	20-SEP-17	Garcia, Juan			269.41	22-SEP-17	269.41	Reconciled
380458	20-SEP-17	LaMar, Steven E			2,718.86	26-SEP-17	2,718.86	Reconciled
380459	20-SEP-17	Lassalette, James P (Jim)			90.00			Negotiable
380460	20-SEP-17	AGILENT TECHNOLOGIES, INC.			98.94	25-SEP-17	98.94	Reconciled
380461	20-SEP-17	AIR TECHNOLOGY LABORATORIES			503.00			Negotiable
380462	20-SEP-17	ALEXANDER'S CONTRACT SERVICES, INC.			125.00	25-SEP-17	125.00	Reconciled
380463	20-SEP-17	AMAZON CAPITAL SERVICES, INC.			391.26	26-SEP-17	391.26	Reconciled
380464	20-SEP-17	ANDERSONPENNA PARTNERS, INC.			57,811.00	26-SEP-17	57,811.00	Reconciled
380465	20-SEP-17	ARMORCAST PRODUCTS COMPANY			13,669.29	27-SEP-17	13,669.29	Reconciled
380466	20-SEP-17	ASHFORD, WALT			661.70	25-SEP-17	661.70	Reconciled
380467	20-SEP-17	AT&T			3,783.65	26-SEP-17	3,783.65	Reconciled
380468	20-SEP-17	AT&T			2,080.76	26-SEP-17	2,080.76	Reconciled
380469	20-SEP-17	ATHENS SERVICES			7,572.23	27-SEP-17	7,572.23	Reconciled
380470	20-SEP-17	ATHENS SERVICES			1,563.60	26-SEP-17	1,563.60	Reconciled
380471	20-SEP-17	AUTOZONE PARTS, INC.			185.85	27-SEP-17	185.85	Reconciled
380472	20-SEP-17	BEHRENS AND ASSOCIATES, INC.			1,185.25	25-SEP-17	1,185.25	Reconciled

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

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

380473	20-SEP-17	BILL'S SWEEPING SERVICE INC	460.00	26-SEP-17	460.00	Reconciled
380474	20-SEP-17	BIOMAGIC INC	10,211.46	26-SEP-17	10,211.46	Reconciled
380475	20-SEP-17	BLACK & VEATCH CORPORATION	331,826.16			Negotiable
380476	20-SEP-17	BOGLE, KRIS	36.85			Negotiable
380477	20-SEP-17	BOOT WORLD, INC.	1,844.67			Negotiable
380478	20-SEP-17	BORCHARD SURVEYING & MAPPING, INC.	5,020.00			Negotiable
380479	20-SEP-17	BOUDREAU PIPELINE CORP.	25.36			Negotiable
380480	20-SEP-17	BRENNITAG PACIFIC INC	18,302.20	27-SEP-17	18,302.20	Reconciled
380481	20-SEP-17	BUSH & ASSOCIATES INC	2,252.00			Negotiable
380482	20-SEP-17	CABELA'S MARKETING AND BRAND MANAGEMENT INC	883.89	25-SEP-17	883.89	Reconciled
380483	20-SEP-17	CALIFORNIA BANK & TRUST	22,487.92			Negotiable
380484	20-SEP-17	CALIFORNIA BARRICADE RENTAL, INC.	15,152.94	27-SEP-17	15,152.94	Reconciled
380485	20-SEP-17	CANON FINANCIAL SERVICES, INC	8,996.59	25-SEP-17	8,996.59	Reconciled
380486	20-SEP-17	CAROLLO ENGINEERS, INC	6,710.00	27-SEP-17	6,710.00	Reconciled
380487	20-SEP-17	CDW GOVERNMENT LLC	977.09	26-SEP-17	977.09	Reconciled
380488	20-SEP-17	CHAIREL CUSTOM HAY, INC.	11,732.60			Negotiable
380489	20-SEP-17	CITY OF IRVINE	64.00	26-SEP-17	64.00	Reconciled
380490	20-SEP-17	CITY OF IRVINE	359.11	26-SEP-17	359.11	Reconciled
380491	20-SEP-17	CITY OF TUSTIN	10,937.85	25-SEP-17	10,937.85	Reconciled
380492	20-SEP-17	CIVILSOURCE, INC.	39,594.00			Negotiable
380493	20-SEP-17	CONNER, MASON K	164.80			Negotiable
380494	20-SEP-17	CR & R INCORPORATED	10.22	25-SEP-17	10.22	Reconciled
380495	20-SEP-17	CRAMER FISH SCIENCES	8,655.50	26-SEP-17	8,655.50	Reconciled
380496	20-SEP-17	CS-AMSCO	10,329.53	26-SEP-17	10,329.53	Reconciled
380497	20-SEP-17	CULLIGAN OF SANTA ANA	3,008.55	26-SEP-17	3,008.55	Reconciled
380498	20-SEP-17	DATA CLEAN CORPORATION	830.00	26-SEP-17	830.00	Reconciled
380499	20-SEP-17	DEE JASPAR & ASSOCIATES, INC.	8,041.95			Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 17
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380500		20-SEP-17	DRA ARCHITECTS, A CALIFORNIA CORPORATION		7,590.00			Negotiable
380501		20-SEP-17	EHS INTERNATIONAL, INC		3,320.00	25-SEP-17	3,320.00	Reconciled
380502		20-SEP-17	EMERGENCY POWER CONTROLS INC		7,751.43	27-SEP-17	7,751.43	Reconciled
380503		20-SEP-17	ENGLISH CONGREGATION OF JEHOVAH'S WITNESSES		1,416.48			Negotiable
380504		20-SEP-17	ENVIRONMENTAL EQUIPMENT SUPPLY		33.05	25-SEP-17	33.05	Reconciled
380505		20-SEP-17	ENVIRONMENTAL EXPRESS INC		213.70	25-SEP-17	213.70	Reconciled
380506		20-SEP-17	ENVIRONMENTAL RESOURCE ASSOCIATES		516.39	25-SEP-17	516.39	Reconciled
380507		20-SEP-17	EVANS-HYDRO INC		931.39	27-SEP-17	931.39	Reconciled
380508		20-SEP-17	EXECUTIVE LIGHTING & ELECTRIC		170.00	25-SEP-17	170.00	Reconciled
380509		20-SEP-17	FAROKIAN, FRANK		52.89			Negotiable
380510		20-SEP-17	FEDEX		336.06	25-SEP-17	336.06	Reconciled
380511		20-SEP-17	FISHER SCIENTIFIC COMPANY LLC		2,724.55	25-SEP-17	2,724.55	Reconciled
380512		20-SEP-17	FOOTHILL/EASTERN TRANSPORTATION		4,650.00			Negotiable
380513		20-SEP-17	FORREST CARTER GIBBS OSBORNE		600.00	22-SEP-17	600.00	Reconciled
380514		20-SEP-17	FORRESTER, JOHN F		11.30	25-SEP-17	11.30	Reconciled
380515		20-SEP-17	FRIENDS OF HARBORS, BEACHES & PARKS, INC.		200.00			Negotiable
380516		20-SEP-17	FRONTIER CALIFORNIA INC.		476.62	27-SEP-17	476.62	Reconciled
380517		20-SEP-17	FUSCOE ENGINEERING, INC.		845.00	22-SEP-17	845.00	Reconciled

380518	20-SEP-17	GEIGER BROS	837.68	25-SEP-17	837.68	Reconciled
380519	20-SEP-17	GENESCO INC	4,037.51			Negotiable
380520	20-SEP-17	GENTERRA	4,301.00	22-SEP-17	4,301.00	Reconciled
380521	20-SEP-17	CONSULTANTS INC GEORGE HILLS COMPANY, INC.	1,250.00	27-SEP-17	1,250.00	Reconciled
380522	20-SEP-17	GHD INC.	17,820.30	27-SEP-17	17,820.30	Reconciled
380523	20-SEP-17	GRAINGER	1,237.66	25-SEP-17	1,237.66	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 29-SEP-2017 14:26
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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380524		20-SEP-17	GRAYBAR ELECTRIC COMPANY		555.46	25-SEP-17	555.46	Reconciled
380525		20-SEP-17	GU, BONHYUN		14.68			Negotiable
380526		20-SEP-17	HACH COMPANY		5,067.27	25-SEP-17	5,067.27	Reconciled
380527		20-SEP-17	HARRINGTON INDUSTRIAL PLASTICS LLC		3,666.06	25-SEP-17	3,666.06	Reconciled
380528		20-SEP-17	HARRISON, JEFFREY		15.97	26-SEP-17	15.97	Reconciled
380529		20-SEP-17	HDPE SUPPLY		732.84	25-SEP-17	732.84	Reconciled
380530		20-SEP-17	HDR ENGINEERING INC		3,783.63	25-SEP-17	3,783.63	Reconciled
380531		20-SEP-17	HELPMATES STAFFING SERVICES		22,384.10	26-SEP-17	22,384.10	Reconciled
380532		20-SEP-17	HILL BROTHERS CHEMICAL COMPANY		11,592.02			Negotiable
380533		20-SEP-17	HOME DEPOT USA INC		1,449.22	25-SEP-17	1,449.22	Reconciled
380534		20-SEP-17	HOYA OPTICAL LABS OF AMERICA, INC.		365.99	27-SEP-17	365.99	Reconciled
380535		20-SEP-17	HU, JIANI		35.58			Negotiable
380536		20-SEP-17	IBM CORPORATION		925.00	25-SEP-17	925.00	Reconciled
380537		20-SEP-17	IBRAHIM, ROXANNE		19.96			Negotiable
380538		20-SEP-17	IRON MOUNTAIN INFORMATION MANAGEMENT INC		1,567.18	25-SEP-17	1,567.18	Reconciled
380539		20-SEP-17	IRVINE PACIFIC		11.44			Negotiable
380540		20-SEP-17	IRVINE PIPE & SUPPLY INC		2,197.39	25-SEP-17	2,197.39	Reconciled
380541		20-SEP-17	IRVINE UNIFIED SCHOOL DISTRICT		42,171.56	28-SEP-17	42,171.56	Reconciled
380542		20-SEP-17	JUST ENERGY SOLUTIONS INC.		58.58	25-SEP-17	58.58	Reconciled
380543		20-SEP-17	KWON, JINA		30.78	25-SEP-17	30.78	Reconciled
380544		20-SEP-17	LANDCARE HOLDINGS, INC.		67,378.00			Negotiable
380545		20-SEP-17	LEAL, JOCELYN		264.35	26-SEP-17	264.35	Reconciled
380546		20-SEP-17	LEAP PAL PARTS AND CONSUMABLES LLC		525.85	25-SEP-17	525.85	Reconciled
380547		20-SEP-17	LOM PARTNERS LLC		41.06			Negotiable
380548		20-SEP-17	LU'S LIGHTHOUSE, INC.		169.14	27-SEP-17	169.14	Reconciled
380549		20-SEP-17	MBC APPLIED ENVIRONMENTAL SCIENCES		1,300.00			Negotiable
380550		20-SEP-17	MBK ENGINEERS		8,911.50	25-SEP-17	8,911.50	Reconciled
380551		20-SEP-17	MC MASTER CARR SUPPLY CO		67.59	25-SEP-17	67.59	Reconciled

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 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380552		20-SEP-17	MICHAEL BAKER INTERNATIONAL, INC.		12,735.84	28-SEP-17	12,735.84	Reconciled
380553		20-SEP-17	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		7,600.00	22-SEP-17	7,600.00	Reconciled
380554		20-SEP-17	MUSULAS, KIMBERLY		1.96			Negotiable
380555		20-SEP-17	MUTUAL PROPANE		18.00	25-SEP-17	18.00	Reconciled
380556		20-SEP-17	NATIONAL READY MIXED CONCRETE CO.		3,156.57	25-SEP-17	3,156.57	Reconciled
380557		20-SEP-17	NCH CORPORATION		696.65	26-SEP-17	696.65	Reconciled
380558		20-SEP-17	NCL OF WISCONSIN INC		108.54	27-SEP-17	108.54	Reconciled
380559		20-SEP-17	NINYO & MOORE		7,474.75	25-SEP-17	7,474.75	Reconciled
380560		20-SEP-17	NORMAN A. OLSSON CONSTRUCTION, INC.		5,703.80	25-SEP-17	5,703.80	Reconciled
380561		20-SEP-17	OLIN CORPORATION		15,823.73			Negotiable
380562		20-SEP-17	ONESOURCE DISTRIBUTORS LLC		302.10	25-SEP-17	302.10	Reconciled

380563	20-SEP-17	ORANGE COUNTY AUTO PARTS CO	488.65	22-SEP-17	488.65	Reconciled
380564	20-SEP-17	ORANGE COUNTY TREASURER	996.57	22-SEP-17	996.57	Reconciled
380565	20-SEP-17	ORANGE COUNTY WATER DISTRICT	2,397.50	22-SEP-17	2,397.50	Reconciled
380566	20-SEP-17	PACIFIC COAST BOLT CORP	235.32	27-SEP-17	235.32	Reconciled
380567	20-SEP-17	PACIFIC PARTS & CONTROLS INC	110.30	25-SEP-17	110.30	Reconciled
380568	20-SEP-17	PAULUS ENGINEERING, INC.	38,782.44	27-SEP-17	38,782.44	Reconciled
380569	20-SEP-17	PAYNE & FEARS LLP	751.00	22-SEP-17	751.00	Reconciled
380570	20-SEP-17	PHAM, TUY	11.00			Negotiable
380571	20-SEP-17	PREMIER PAVING INC.	1,311.25	25-SEP-17	1,311.25	Reconciled
380572	20-SEP-17	PROCARE WORK INJURY CENTER	50.00	25-SEP-17	50.00	Reconciled
380573	20-SEP-17	PTI SAND & GRAVEL INC	1,113.47	26-SEP-17	1,113.47	Reconciled
380574	20-SEP-17	QUINN RENTAL SERVICES	16,013.27	27-SEP-17	16,013.27	Reconciled
380575	20-SEP-17	RAM AIR ENGINEERING INC	7,675.25	25-SEP-17	7,675.25	Reconciled
380576	20-SEP-17	REFRIGERATION SUPPLIES DISTRIBUTOR	453.62	25-SEP-17	453.62	Reconciled

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

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380577		20-SEP-17	RINCON TRUCK CENTER INC.		101.60	22-SEP-17	101.60	Reconciled
380578		20-SEP-17	RMC WATER AND ENVIRONMENT		29,366.69			Negotiable
380579		20-SEP-17	SANTA ANA BLUE PRINT		1,489.82	25-SEP-17	1,489.82	Reconciled
380580		20-SEP-17	SANTA MARGARITA FORD		41.32	25-SEP-17	41.32	Reconciled
380581		20-SEP-17	SCHINDLER ELEVATOR CORPORATION		4,401.00	26-SEP-17	4,401.00	Reconciled
380582		20-SEP-17	SHAYGAN, ATHENA		19.96			Negotiable
380583		20-SEP-17	SHOETERIA		3,852.22	27-SEP-17	3,852.22	Reconciled
380584		20-SEP-17	SITEONE LANDSCAPE SUPPLY, LLC		1,988.76	26-SEP-17	1,988.76	Reconciled
380585		20-SEP-17	SITMATIC		688.49	25-SEP-17	688.49	Reconciled
380586		20-SEP-17	SNYDER LANGSTON		410.82			Negotiable
380587		20-SEP-17	SOUTH BAY FOUNDRY, INC		6,508.10	26-SEP-17	6,508.10	Reconciled
380588		20-SEP-17	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT		1,262.30			Negotiable
380589		20-SEP-17	SOUTHERN CALIFORNIA EDISON COMPANY		35.06	25-SEP-17	35.06	Reconciled
380590		20-SEP-17	SOUTHERN CALIFORNIA EDISON COMPANY		323,981.26	25-SEP-17	323,981.26	Reconciled
380591		20-SEP-17	SOUTHWEST VALVE & EQUIPMENT		5,375.97			Negotiable
380592		20-SEP-17	STANTEC CONSULTING SERVICES INC.		224.50	25-SEP-17	224.50	Reconciled
380593		20-SEP-17	STETSON ENGINEERS INC.		4,335.00	25-SEP-17	4,335.00	Reconciled
380594		20-SEP-17	TESORIERO, JENNIFER		215.51	26-SEP-17	215.51	Reconciled
380595		20-SEP-17	TESTAMERICA LABORATORIES, INC		52.50	25-SEP-17	52.50	Reconciled
380596		20-SEP-17	THE GAS COMPANY		10,844.88	26-SEP-17	10,844.88	Reconciled
380597		20-SEP-17	TRIPAC MARKETING INC		1,923.20	25-SEP-17	1,923.20	Reconciled
380598		20-SEP-17	TROPICAL PLAZA NURSERY INC		559.10	25-SEP-17	559.10	Reconciled
380599		20-SEP-17	TRUCPARCO		611.83	25-SEP-17	611.83	Reconciled
380600		20-SEP-17	TYCO INTEGRATED SECURITY, LLC		3,948.97	25-SEP-17	3,948.97	Reconciled
380601		20-SEP-17	UHL, PETER		34.85			Negotiable

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

380602	20-SEP-17	UNITED PARCEL SERVICE INC	322.00	25-SEP-17	322.00	Reconciled
380603	20-SEP-17	UNITED SITE SERVICES OF CALIFORNIA INC	152.29	27-SEP-17	152.29	Reconciled
380604	20-SEP-17	VERTECH INDUSTRIAL SYSTEMS, LLC	35,912.73	28-SEP-17	35,912.73	Reconciled
380605	20-SEP-17	VULCAN MATERIALS COMPANY	1,374.53	25-SEP-17	1,374.53	Reconciled
380606	20-SEP-17	VUNNAMADALA, RAJESWARI	456.64			Negotiable
380607	20-SEP-17	VWR INTERNATIONAL, LLC	3,573.72	25-SEP-17	3,573.72	Reconciled
380608	20-SEP-17	W DESIGN ASSOCIATES INC	9,290.00	26-SEP-17	9,290.00	Reconciled
380609	20-SEP-17	WALTERS WHOLESALE ELECTRIC	960.08	26-SEP-17	960.08	Reconciled
380610	20-SEP-17	WALTON MOTORS & CONTROLS INC	3,918.84	25-SEP-17	3,918.84	Reconciled
380611	20-SEP-17	WASTE MANAGEMENT OF ORANGE COUNTY	697.05	25-SEP-17	697.05	Reconciled
380612	20-SEP-17	WATER EDUCATION FOUNDATION	1,500.00			Negotiable
380613	20-SEP-17	WATERLINE TECHNOLOGIES INC	2,627.00	22-SEP-17	2,627.00	Reconciled
380614	20-SEP-17	WAXIE'S ENTERPRISES, INC	972.43	25-SEP-17	972.43	Reconciled
380615	20-SEP-17	WECK LABORATORIES INC	3,870.00	28-SEP-17	3,870.00	Reconciled
380616	20-SEP-17	WEST COAST SAFETY SUPPLY INC	1,304.60			Negotiable
380617	20-SEP-17	WEST YOST ASSOCIATES, INC	18,197.75			Negotiable
380618	20-SEP-17	WEST, ROBERT	500.00	21-SEP-17	500.00	Reconciled
380619	20-SEP-17	WESTAMERICA COMMUNICATIONS, INC.	2,873.25	22-SEP-17	2,873.25	Reconciled
380620	20-SEP-17	WOLTERS KLUWER LEGAL & REGULATORY US, A DIVISION OF CCH INCORPORATED	468.71	27-SEP-17	468.71	Reconciled
380621	20-SEP-17	XIANGJUN CHANG AND LAN ZHOU	31.96			Negotiable
380622	20-SEP-17	XYLEM WATER SOLUTIONS USA, INC.	4,920.01	26-SEP-17	4,920.01	Reconciled

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380623		20-SEP-17	YAMAUCHI, RANDAL		387.00	25-SEP-17	387.00	Reconciled
380624		20-SEP-17	YP LLC		125.00	25-SEP-17	125.00	Reconciled
380625		21-SEP-17	DEPARTMENT OF TOXIC SUBSTANCES CONTROL	PO BOX 1288	225.00	28-SEP-17	225.00	Reconciled
380626		21-SEP-17	SUKLE ADVERTISING INC.	PURCHASE	295,000.00	28-SEP-17	295,000.00	Reconciled
380627		21-SEP-17	Ho, Connie	HOME	7.44			Negotiable
380628		27-SEP-17	REGENTS OF THE UNIVERSITY OF CALIFORNIA	7601 IRVINE BLV	800.00			Negotiable
380629		28-SEP-17	Barboza, Armando		151.79			Negotiable
380630		28-SEP-17	Bonkowski, Thomas J (Thomas)		26.86			Negotiable
380631		28-SEP-17	Bowers, Marie		61.00			Negotiable
380632		28-SEP-17	Jackson, Bradley E (Brad)		45.00			Negotiable
380633		28-SEP-17	Marcacci, Mark		116.00			Negotiable
380634		28-SEP-17	Pham, Amie		125.00			Negotiable
380635		28-SEP-17	Silva, Jose A (Jose)		154.99			Negotiable
380636		28-SEP-17	ADS LLC		26,863.70			Negotiable
380637		28-SEP-17	AECOM TECHNICAL SERVICES, INC.		241,491.58			Negotiable
380638		28-SEP-17	AERATION INDUSTRIES INTERNATIONAL INC		9,999.53			Negotiable
380639		28-SEP-17	AIRGAS, INC.		1,824.68			Negotiable
380640		28-SEP-17	ALL AMERICAN SEWER TOOLS		1,979.92			Negotiable
380641		28-SEP-17	ALLIANT INSURANCE SERVICES, INC		3,173.40			Negotiable
380642		28-SEP-17	ALPHA TRAFFIC SERVICES, INC.		620.00			Negotiable
380643		28-SEP-17	AMAZON CAPITAL SERVICES, INC.		401.04			Negotiable
380644		28-SEP-17	ANTHEM BLUE CROSS		490.40			Voided
380645		28-SEP-17	ANTHONY N. LARSEN		400.00			Negotiable

380646	28-SEP-17	APPLIED INDUSTRIAL TECHNOLOGIES - CA LLC		3,467.06		Negotiable
380647	28-SEP-17	AQUA-METRIC SALES COMPANY		57,261.11		Negotiable
380648	28-SEP-17	ARC		395.73		Negotiable
380649	28-SEP-17	AT&T		5,887.97		Negotiable

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380650		28-SEP-17	AUTOZONE PARTS, INC.		200.39			Negotiable
380651		28-SEP-17	BIOMAGIC INC		3,025.62			Negotiable
380652		28-SEP-17	BLACK BOX CORP OF PENNSYLVANIA		488.97			Negotiable
380653		28-SEP-17	BLAIRS TOWING INC		300.00			Negotiable
380654		28-SEP-17	BONYADI, COLLETTE		157.30			Negotiable
380655		28-SEP-17	BOWIE, ARNESON, WILES & GIANNONE		2,288.25			Negotiable
380656		28-SEP-17	BRENNTAG PACIFIC INC		5,134.83			Negotiable
380657		28-SEP-17	BRITHINEE ELECTRIC		54,369.04			Negotiable
380658		28-SEP-17	BTF PRECISE MICROBIOLOGY INC.		545.65			Negotiable
380659		28-SEP-17	C WELLS PIPELINE MATERIALS INC		872.79			Negotiable
380660		28-SEP-17	CALIFORNIA BARRICADE RENTAL, INC.		4,822.50			Negotiable
380661		28-SEP-17	CALIFORNIA COUNCIL FOR ENVIRONMENTAL AND ECONOMIC BALANCE		10,000.00			Negotiable
380662		28-SEP-17	CALIFORNIA COUNCIL FOR ENVIRONMENTAL AND ECONOMIC BALANCE		22,000.00			Negotiable
380663		28-SEP-17	CALIFORNIA URBAN WATER CONSERVATION COUNCIL		6,985.04			Negotiable
380664		28-SEP-17	CANON SOLUTIONS AMERICA, INC.		407.01			Negotiable
380665		28-SEP-17	CAROLLO ENGINEERS, INC		23,133.98			Negotiable
380666		28-SEP-17	CDW GOVERNMENT LLC		360.14			Negotiable
380667		28-SEP-17	CITY OF IRVINE		2,783.00			Negotiable
380668		28-SEP-17	CITY OF NEWPORT BEACH		1,375.56			Negotiable
380669		28-SEP-17	CITY OF SANTA ANA		241,564.42			Negotiable
380670		28-SEP-17	CITY OF SANTA ANA		116.68			Negotiable
380671		28-SEP-17	CLA-VAL COMPANY		9,999.47			Negotiable
380672		28-SEP-17	CLARKE MOSQUITO CONTROL PRODUCTS, INC.		879.47			Negotiable
380673		28-SEP-17	CLEARINGHOUSE		477.67			Negotiable

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

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380674		28-SEP-17	COAST PLUMBING HEATING AND AIR, INC		990.00			Negotiable
380675		28-SEP-17	COMMERCIAL COATING RESOURCE INC		1,825.00			Negotiable
380676		28-SEP-17	CORELOGIC INC		5,940.00			Negotiable
380677		28-SEP-17	COUNTY OF RIVERSIDE		48,146.12			Negotiable
380678		28-SEP-17	COX COMMUNICATIONS, INC.		3,370.96			Negotiable
380679		28-SEP-17	CR & R INCORPORATED		101.84			Negotiable
380680		28-SEP-17	CULLIGAN OF SANTA ANA		5,014.25			Negotiable
380681		28-SEP-17	CUMMINS PACIFIC, LLC		19.05			Negotiable
380682		28-SEP-17	DATASITE INC		13,070.00			Negotiable
380683		28-SEP-17	DE VAUL PAINT COMPANY		208.66			Negotiable
380684		28-SEP-17	DELL MARKETING LP		4,082.37			Negotiable

380685	28-SEP-17	DENALI WATER SOLUTIONS LLC	7,436.30	Negotiable
380686	28-SEP-17	DIRECTV INC	244.76	Negotiable
380687	28-SEP-17	DISCOUNT COURIER SERVICE	67.47	Negotiable
380688	28-SEP-17	DON WILSON BUILDERS	0.98	Negotiable
380689	28-SEP-17	EAST ORANGE COUNTY WATER DISTRICT	23,716.83	Negotiable
380690	28-SEP-17	EMD MILLIPORE CORPORATION	1,311.18	Negotiable
380691	28-SEP-17	EMERGENCY POWER CONTROLS INC	2,400.00	Negotiable
380692	28-SEP-17	ENDRESS AND HAUSER INC	5,500.00	Negotiable
380693	28-SEP-17	ENETCENTRIC	954.96	Negotiable
380694	28-SEP-17	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.	10,542.50	Negotiable
380695	28-SEP-17	ENVIRONMENTAL RESOURCE ASSOCIATES	121.87	Negotiable
380696	28-SEP-17	EVANS-HYDRO INC	13,040.71	Negotiable
380697	28-SEP-17	EXECUTIVE LIGHTING & ELECTRIC	4,761.20	Negotiable

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 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380698		28-SEP-17	FARRELL & ASSOCIATES		2,508.42			Negotiable
380699		28-SEP-17	FEDEX		322.80			Negotiable
380700		28-SEP-17	FERREIRA CONSTRUCTION CO., INC.		619.84			Negotiable
380701		28-SEP-17	FISERV		21,363.84			Negotiable
380702		28-SEP-17	FISHER SCIENTIFIC COMPANY LLC		3,994.05			Negotiable
380703		28-SEP-17	FLW, INC.		2,388.22			Negotiable
380704		28-SEP-17	FRONTIER CALIFORNIA INC.		99.39			Negotiable
380705		28-SEP-17	GALLADE CHEMICAL INC		868.47			Negotiable
380706		28-SEP-17	GALVANIC APPLIED SCIENCES USA INC.		190.59			Negotiable
380707		28-SEP-17	GANAHL LUMBER CO.		1,226.53			Negotiable
380708		28-SEP-17	GANGUPANTULA, SHANTHAN		45.41			Negotiable
380709		28-SEP-17	GEIGER BROS		1,525.51			Negotiable
380710		28-SEP-17	GENERAL MONITORS INC.		70.00			Negotiable
380711		28-SEP-17	GEXPRO		2,009.65			Negotiable
380712		28-SEP-17	GJ AUTOMOTIVE EQUIPMENT CO INC		9,347.31			Negotiable
380713		28-SEP-17	GONZALEZ, WILLIAM		20.00			Negotiable
380714		28-SEP-17	GRAINGER		3,983.32			Negotiable
380715		28-SEP-17	GRAYBAR ELECTRIC COMPANY		2,969.69			Negotiable
380716		28-SEP-17	HACH COMPANY		1,142.33			Negotiable
380717		28-SEP-17	HARRINGTON INDUSTRIAL PLASTICS LLC		14,657.94			Negotiable
380718		28-SEP-17	HARRY H. KOBZEFF		2,800.00			Negotiable
380719		28-SEP-17	HDR ENGINEERING INC		1,725.70			Negotiable
380720		28-SEP-17	HELP/SYSTEMS, LLC		6,550.00			Negotiable
380721		28-SEP-17	HELPMATES STAFFING SERVICES		16,008.00			Negotiable
380722		28-SEP-17	HIGHLAND PRODUCTS GROUP, LLC		3,820.10			Negotiable
380723		28-SEP-17	HILL BROTHERS CHEMICAL COMPANY		7,497.07			Negotiable
380724		28-SEP-17	HILL, JOHN		12.37			Negotiable
380725		28-SEP-17	HOME DEPOT USA INC		281.24			Negotiable

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380726		28-SEP-17	HOYA OPTICAL LABS OF AMERICA, INC.		349.02			Negotiable
380727		28-SEP-17	HU, JIANAN		53.99			Negotiable

380728	28-SEP-17	IBM CORPORATION	4,075.00				Negotiable
380729	28-SEP-17	IDEXX DISTRIBUTION, INC	3,163.41				Negotiable
380730	28-SEP-17	INFOSYS LIMITED	91,180.00				Negotiable
380731	26-SEP-17	IRVINE PIPE & SUPPLY INC	4,314.19				Negotiable
380732	28-SEP-17	IRWD EMPLOYEE ASSOCIATION	1,310.00				Negotiable
380733	28-SEP-17	IRWD-PETTY CASH CUSTODIAN	872.29				Negotiable
380734	28-SEP-17	KHAIR, MOHAMMAD	50.76				Negotiable
380735	28-SEP-17	KIMBALL MIDWEST	2,093.44				Negotiable
380736	28-SEP-17	KLEINFELDER, INC.	3,861.86				Negotiable
380737	28-SEP-17	KUSTERS ZIMA CORPORATION	980.10				Negotiable
380738	28-SEP-17	LAGUNA BEACH COUNTY WATER DISTRICT	9,560.66				Negotiable
380739	28-SEP-17	LANDCARE HOLDINGS, INC.	4,328.00				Negotiable
380740	28-SEP-17	LCS TECHNOLOGIES, INC.	12,150.00				Negotiable
380741	28-SEP-17	LINA AND ROBERT FULLER	89.97				Negotiable
380742	28-SEP-17	LINKEDIN CORPORATION	6,131.25				Negotiable
380743	28-SEP-17	MARVIN GARDENS LLC	2,593.70	28-SEP-17	2,593.70		Reconciled
380744	28-SEP-17	MC FADDEN-DALE INDUSTRIAL	337.46				Negotiable
380745	28-SEP-17	MC MASTER CARR SUPPLY CO	3,008.71				Negotiable
380746	28-SEP-17	MCR TECHNOLOGIES INC	1,950.00				Negotiable
380747	28-SEP-17	MEDIAVALET INC.	12,000.00				Negotiable
380748	28-SEP-17	MEHR, SHABNAM	186.16				Negotiable
380749	28-SEP-17	MILLER, PAMELA	10,000.00				Negotiable
380750	28-SEP-17	MR CRANE INC	1,017.60				Negotiable
380751	28-SEP-17	NATURALWELL, LLC	1,320.00				Negotiable
380752	28-SEP-17	NEWPORT RIDGE APTS	162.51				Negotiable
380753	28-SEP-17	NORTHWOOD PLACE APTS	483.58				Negotiable
380754	28-SEP-17	O'HAREN GOVERNMENT RELATIONS	6,500.00				Negotiable

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Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380755		28-SEP-17	OCTA		996.00			Negotiable
380756		28-SEP-17	ODOTECH INC.		54,800.00			Negotiable
380757		28-SEP-17	OLIN CORPORATION		11,730.57			Negotiable
380758		28-SEP-17	ONESOURCE DISTRIBUTORS LLC		4,413.52			Negotiable
380759		28-SEP-17	ORANGE COUNTY WATER DISTRICT		1,808,359.00			Negotiable
380760		28-SEP-17	ORANGE COUNTY WATER DISTRICT		17,220.00			Negotiable
380761		28-SEP-17	PACIFIC COAST BOLT CORP		875.22			Negotiable
380762		28-SEP-17	PACIFIC GAS AND ELECTRIC COMPANY		640.61			Negotiable
380763		28-SEP-17	PACIFIC HYDROTECH CORPORATION		105,414.37			Negotiable
380764		28-SEP-17	PAYNE & FEARS LLP		5,565.64			Negotiable
380765		28-SEP-17	PERS LONG TERM CARE		878.66			Negotiable
380766		28-SEP-17	PILLSBURY WINTHROP SHAW PITTMAN LLP		9,673.00			Negotiable
380767		28-SEP-17	POWERS BROS. MACHINE, INC.		11,105.20			Negotiable
380768		28-SEP-17	PRO MOBILE AUTO DETAILING		350.00			Negotiable
380769		28-SEP-17	PTI SAND & GRAVEL INC		1,138.44			Negotiable
380770		28-SEP-17	QUINN RENTAL SERVICES		384.38			Negotiable
380771		28-SEP-17	R. J NOBLE COMPANY		973.28			Negotiable
380772		28-SEP-17	RAM AIR ENGINEERING INC		14,748.19			Negotiable
380773		28-SEP-17	RAWLS, HEATHER		948.41			Negotiable
380774		28-SEP-17	RED WING SHOE STORE		775.44			Negotiable
380775		28-SEP-17	REFRIGERATION SUPPLIES DISTRIBUTOR		232.23			Negotiable
380776		28-SEP-17	RELIANCE STANDARD LIFE INSURANCE COMPANY		26,929.07			Negotiable
380777		28-SEP-17	RESPONSE ENVELOPE,		2,618.33			Negotiable

380778 28-SEP-17 INC ROYAL WHOLESale 4,156.78 Negotiable
 380779 28-SEP-17 ELECTRIC RS HUGHES COMPANY, 1,432.21 Negotiable
 INC.
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 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380780		28-SEP-17	SAFETY-KLEEN SYSTEMS, INC		580.75			Negotiable
380781		28-SEP-17	SANDERS PAVING INC		52,132.75			Negotiable
380782		28-SEP-17	SANTA CLARA APTS		843.42			Negotiable
380783		28-SEP-17	SANTA MARGARITA FORD		2,123.76			Negotiable
380784		28-SEP-17	SHAMROCK SUPPLY CO INC		2,018.88			Negotiable
380785		28-SEP-17	SKORUZ TECHNOLOGIES INC		20,196.00			Negotiable
380786		28-SEP-17	SOUTH BAY FOUNDRY, INC		1,874.85			Negotiable
380787		28-SEP-17	SOUTH COAST WATER CO.		151.66			Negotiable
380788		28-SEP-17	SOUTHERN CALIFORNIA EDISON COMPANY		89.15			Negotiable
380789		28-SEP-17	SOUTHERN CALIFORNIA EDISON COMPANY		800.00			Negotiable
380790		28-SEP-17	SOUTHERN CALIFORNIA EDISON COMPANY		670.00			Negotiable
380791		28-SEP-17	SOUTHERN CALIFORNIA EDISON COMPANY		390,878.20			Negotiable
380792		28-SEP-17	SPARKLETTTS		464.30			Negotiable
380793		28-SEP-17	SPX FLOW US, LLC		1,058.34			Negotiable
380794		28-SEP-17	STANDARD REGISTER, INC.		5,113.07			Negotiable
380795		28-SEP-17	STANTEC CONSULTING SERVICES INC.		15,025.50			Negotiable
380796		28-SEP-17	STERN, GABRIEL		7.17			Negotiable
380797		28-SEP-17	SUMMIT CHEMICAL SPECIALTY PRODUCTS		10,372.90			Negotiable
380798		28-SEP-17	SUNSHINE SUPPLY COMPANY, INC.		2,734.70			Negotiable
380799		28-SEP-17	SURF CITY OPTOMETRY		225.00			Negotiable
380800		28-SEP-17	SYNERGY COMPANIES		137,478.18			Negotiable
380801		28-SEP-17	TEKDRAULICS		1,770.13			Negotiable
380802		28-SEP-17	THOMPSON INDUSTRIAL SUPPLY		6,772.14			Negotiable
380803		28-SEP-17	TITO'S BUILD YOUR OWN BURRITO BAR LLC		3,258.79	28-SEP-17	3,258.79	Reconciled

IRWD Ledger Upgrade Payment Register For 01-SEP-17 To 30-SEP-17 Report Date: 29-SEP-2017 14:26
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 29
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380804		28-SEP-17	TROPICAL PLAZA NURSERY INC		35,005.12			Negotiable
380805		28-SEP-17	TRUCPARCO		1,124.98			Negotiable
380806		28-SEP-17	ULINE INC		299.04			Negotiable
380807		28-SEP-17	UNITED PARCEL SERVICE INC		34.31			Negotiable
380808		28-SEP-17	UNITED SITE SERVICES OF CALIFORNIA INC		478.06			Negotiable
380809		28-SEP-17	US BANK NAT'L ASSOCIATION NORTH DAKOTA		97,155.58			Negotiable
380810		28-SEP-17	VAUGHAN'S INDUSTRIAL REPAIR CO INC		600.00			Negotiable
380811		28-SEP-17	VERIZON WIRELESS SERVICES LLC		7,854.26			Negotiable
380812		28-SEP-17	VWR INTERNATIONAL, LLC		309.03			Negotiable
380813		28-SEP-17	WALTERS WHOLESALE ELECTRIC		371.22			Negotiable
380814		28-SEP-17	WANG, TENG		14.83			Negotiable

380815	28-SEP-17	WAXIE'S ENTERPRISES, INC		1,279.74	Negotiable
380816	28-SEP-17	WECK LABORATORIES INC		1,285.00	Negotiable
380817	28-SEP-17	WIN-911 SOFTWARE		415.00	Negotiable
380818	28-SEP-17	WORKFORCE SAFETY LLC		3,830.00	Negotiable
380819	28-SEP-17	YANG, STEVEN		84.59	Negotiable
380820	28-SEP-17	YSI, INC		1,085.95	Negotiable
380821	28-SEP-17	ZANGGER, BILL		1,020.41	Negotiable
380822	28-SEP-17	ZEE MEDICAL SERVICE CO		106.03	Negotiable
380823	28-SEP-17	ZENON ENVIRONMENTAL CORPORATION		95,055.67	Negotiable
380824	29-SEP-17	ANTHEM BLUE CROSS LOS ANGELES	LOS ANGELES	281.97	Negotiable
380825	29-SEP-17	ANTHEM BLUE CROSS LOS ANGELES	LOS ANGELES	208.43	Negotiable
380826	29-SEP-17	PASCAL & LUDWIG CONSTRUCTORS	ONTARIO	636,981.65	Negotiable
380827	29-SEP-17	PASCAL & LUDWIG CONSTRUCTORS	243289025 ESR	33,525.35	Negotiable

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

Payment Register For 01-SEP-17 To 30-SEP-17 Report Date: 29-SEP-2017 14:26
 Account: Checking AP and PR Page: 30
 Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
380828		29-SEP-17	PASCAL & LUDWIG CONSTRUCTORS	ONTARIO	60,735.40			Negotiable
380829		29-SEP-17	PASCAL & LUDWIG CONSTRUCTORS	ESR 243289424	3,196.60			Negotiable
380830		29-SEP-17	PACIFIC HYDROTECH CORPORATION	PAY	21,497.37			Negotiable
380831		29-SEP-17	TROPICAL PLAZA NURSERY INC	PAY	13,209.75			Negotiable
380832		29-SEP-17	W.M. LYLES CO	FRESNO	25,399.20			Negotiable
380833		29-SEP-17	W.M. LYLES CO	ESCR 35110399	1,336.80			Negotiable
380834		29-SEP-17	JCI JONES CHEMICALS INC	TAMPA	2,992.92			Negotiable
380835		29-SEP-17	TRINH, RICHARD	INS CLAIM	39,000.00			Negotiable
380836		29-SEP-17	SAF-T-FLO WATER SERVICES, INC.	PURCHASE	14,771.72			Voided
380837		29-SEP-17	SAF-T-FLO WATER SERVICES, INC.	PURCHASE	14,476.29			Negotiable
Payment Document Subtotal:					10,594,532.46		4,883,496.58	

Payment Document : IRWD Wire

12233		06-SEP-17	INTERNAL REVENUE SERVICE	FRESNO	200,746.22			Negotiable
12234		06-SEP-17	FRANCHISE TAX BOARD	SACRAMENTO	54,783.90			Negotiable
12235		06-SEP-17	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,778.53			Negotiable
12236		06-SEP-17	ORDONEZ, CYNTHIA MARIE	DESERT HOT SPR	230.77			Negotiable
12237		06-SEP-17	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,134.60			Negotiable
12238		06-SEP-17	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	11,317.56			Negotiable
12239		06-SEP-17	GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY	DENVER	119,505.12			Negotiable
12240		06-SEP-17	BANK OF AMERICA	SAN FRANCISCO	27,225.99			Negotiable
12241		06-SEP-17	U.S. BANK NATIONALST. ASSOCIATION	LOUIS	27,825.32			Negotiable

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

Payment Register For 01-SEP-17 To 30-SEP-17 Report Date: 29-SEP-2017 14:26
 Account: Checking AP and PR Page: 31
 Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
12242		06-SEP-17	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	62,224.55			Negotiable
12243		11-SEP-17	BANK OF AMERICA	CHICAGO	19,657.65			Negotiable

12244	11-SEP-17	MERRILL LYNCH CALPERS	SACRAMENTO 1	465,630.06	Negotiable
12245	13-SEP-17	FILANC-BALFOUR BEATTY JV	ACT 4427724347	510,154.19	Negotiable
12246	13-SEP-17	FILANC-BALFOUR BEATTY JV	ESR 211084000	6,777.01	Negotiable
12247	13-SEP-17	PCL CONSTRUCTION, INC.	ACCT 6971821722	389,281.20	Negotiable
12248	13-SEP-17	PCL CONSTRUCTION, INC.	ESR 141511,1	2,940.50	Negotiable
12249	13-SEP-17	U.S. BANK NATIONALST. ASSOCIATION	LOUIS	13,609.73	Negotiable
12250	13-SEP-17	SUMITOMO MITSUI BANKING CORPORATION	NEW YORK	31,110.41	Negotiable
12251	18-SEP-17	YORK INSURANCE SERVICES GROUP INC - CA	PAY	14,523.24	Negotiable
12252	18-SEP-17	U.S. BANK NATIONALST. ASSOCIATION	LOUIS	8,350.12	Negotiable
12253	19-SEP-17	YORK INSURANCE SERVICES GROUP INC - CA	PAY	11,994.57	Negotiable
12254	20-SEP-17	INTERNAL REVENUE SERVICE	FRESNO	202,668.38	Negotiable
12255	20-SEP-17	FRANCHISE TAX BOARD	SACRAMENTO	56,451.84	Negotiable
12256	20-SEP-17	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,689.18	Negotiable
12257	20-SEP-17	ORDONEZ, CYNTHIA MARIE	DESERT HOT SPR	230.77	Negotiable
12258	20-SEP-17	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,134.60	Negotiable
12259	26-SEP-17	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	11,389.55	Negotiable
12260	26-SEP-17	GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY	DENVER	116,287.38	Negotiable

IRWD Ledger Upgrade
 BANK: Bank of America N.A. Branch : Los Angeles Payment Register For 01-SEP-17 To 30-SEP-17 Report Date: 29-SEP-2017 14:26
 Bank Account Currency: USD (US Dollar) Account: Checking AP and PR Page: 32
 Payment Type: All Display Supplier Address: No Payment Currency: USD (US Dollar)

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
12261		26-SEP-17	YORK INSURANCE SERVICES GROUP INC - CA	PAY	7,194.33			Negotiable
12262		26-SEP-17	MUNICIPAL WATER DISTRICT OF ORANGEVALLEY COUNTY	FOUNTAIN	2,635,045.89			Negotiable
12263		29-SEP-17	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	20,512.30			Negotiable
12264		29-SEP-17	MERRILL LYNCH CAPITAL SERVICES, INC	CHARLOTTE	689,124.40			Negotiable
12265		29-SEP-17	CITIGROUP GLOBAL MARKETS INC.	NEW YORK	689,124.40			Negotiable
12266		29-SEP-17	CITIGROUP GLOBAL MARKETS INC.	NEW YORK	801,008.45			Negotiable
12267		29-SEP-17	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	52,731.71			Negotiable
12268		29-SEP-17	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	7,837.48			Negotiable
12269		29-SEP-17	CALPERS	SACRAMENTO 1	2,867.15			Negotiable
12270		29-SEP-17	BANK OF AMERICA MERRILL LYNCH	CHICAGO	73,010.08			Negotiable

Payment Document Subtotal: 7,369,109.13

Bank Account Subtotal : 17,963,641.59 4,883,496.58

Report Count : 788 Report Total: 17,963,641.59 4,883,496.58

Disbursements

*** End of Report ***

\$ 17,963,641.59 Disbursements
~~<54,675.64>~~ Voids
 \$ 17,908,965.95 Total Disbursements and Voids

Exhibit "E"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

September
2017

	AMOUNT	VENDOR	PURPOSE
9/1/2017	860,943.73	BANK OF AMERICA	ACH Payments for Payroll
9/15/2017	887,187.74	BANK OF AMERICA	ACH Payments for Payroll
9/29/2017	880,423.11	BANK OF AMERICA	ACH Payments for Payroll
	<u>\$2,628,554.58</u>		

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-SEP-17 to 30-SEP-17

NAME	CHECK NO.	CHECK	AMOUNT	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Arce, Jesus	380093	7-Sep-17	100.00	Certification Renewal	SWRCB Water Distribution Operator Grade III exam fee
Arce, Jesus	380093	7-Sep-17	168.00	Certification Renewal	SWRCB Water Distribution Operator Grade III
Barboza, Armando	380629	28-Sep-17	141.03	Other(Misc)	Safety shoe allowance
Bennett, Ray	380456	20-Sep-17	163.71	Mileage	Rosedale-Rio Broavo DRP Project Tour/Inspection - September 2017
Coria, Alex	380097	7-Sep-17	300.00	Certification Renewal	SWRCB Wastewater Treatment Plant Operator Grade III
Dillman, Tyler	380098	7-Sep-17	100.00	Certification Renewal	SWRCB Water Distribution Operator Grade III exam fee
Garcia, Juan	380457	20-Sep-17	236.47	Mileage	DWR Landscape Stakeholder Advisory Group, Fresno, CA - September 11, 2017
Habiger, Steve Jr	380100	7-Sep-17	105.00	Certification Renewal	SWRCB Distribution Operator Grade V
Kalinsky, Arseny	380271	14-Sep-17	115.00	Certification Renewal	Professional Engineers license renewal
LaMar, Steve	380458	20-Sep-17	206.20	Lodging	ACWA Board of Directors, Sacramento, CA - July 27, 2017
LaMar, Steve	380458	20-Sep-17	206.20	Lodging	ACWA Board of Directors, Sacramento, CA - July 28, 2017
LaMar, Steve	380458	20-Sep-17	279.34	Lodging	ACWA Region 1 Conf., Marin Municipal Water District, Oakland, CA - August 3, 2017
LaMar, Steve	380458	20-Sep-17	301.60	Lodging	NWRA Western Water Seminar, Santa Fe, NM - August 7, 2017
LaMar, Steve	380458	20-Sep-17	301.60	Lodging	NWRA Western Water Seminar, Santa Fe, NM - August 8, 2017
LaMar, Steve	380458	20-Sep-17	301.60	Lodging	NWRA Western Water Seminar, Santa Fe, NM - August 9, 2017
LaMar, Steve	380458	20-Sep-17	180.60	Auto Rental	NWRA Western Water Seminar, Santa Fe, NM - August 7-9, 2017
LaMar, Steve	380458	20-Sep-17	258.09	Lodging	California Environmental Dialogue Plenary meeting, San Diego, CA - August 17, 2017
Marcacci, Mark	380633	28-Sep-17	116.00	Certification Renewal	Professional Engineers license renewal
Mwe, Nang	380102	7-Sep-17	116.00	Certification Renewal	Professional Engineers license renewal
Pham, Amie	380634	28-Sep-17	125.00	Other(Misc)	Safety shoe allowance
Reideler, Kevin	380273	14-Sep-17	172.00	Certification Renewal	CWEA Collections Grade III
Silva, Jose	380635	28-Sep-17	154.99	Other(Misc)	Safety shoe allowance
Total Amount:			\$4,148.43		

October 23, 2017

Prepared by: J. Smyth/M. Cortez

Submitted by: K. Burton *KLB*

Approved by: Paul A. Cook *[Signature]*

CONSENT CALENDAR

REIMBURSEMENT AGREEMENT BETWEEN IRWD AND THE CITY OF IRVINE FOR RELOCATION AND ADJUSTMENT OF IRWD FACILITIES FOR THE UNIVERSITY DRIVE WIDENING

SUMMARY:

The City of Irvine (City) is proceeding with its University Drive Widening project. As part of this project, IRWD pipeline appurtenances will be relocated and adjusted to grade. This project requires a Reimbursement Agreement (RA) since the estimated construction cost is over \$100,000. Staff recommends that the Board:

- Authorize budget increases in the amount of \$100,000 each for Projects 07170, 07171 and 07172, each from \$148,000 to \$248,000; and
- Authorize the General Manager to execute a Reimbursement Agreement with the City for relocating and adjusting IRWD facilities as part of its University Drive Widening project.

BACKGROUND:

IRWD has had an RA in place with the City since 1995 for managing various street rehabilitation projects. Typically included in the City's Capital Improvement Projects are alternate bid items for raising IRWD sewer manhole covers, sewer cleanouts, and water valve frames and lids to the new pavement grade. Any project up to \$100,000 in reimbursable costs can be authorized by the General Manager as an addendum to this "umbrella" RA.

IRWD and the City have also agreed that any City street improvement project which involves the construction, modification, or relocation of IRWD facilities with an estimated construction cost over \$100,000 will be administered through a separate RA. This project will construct the relocation and adjustment of IRWD facilities in support of the City's University Drive Widening project between MacArthur Boulevard and Campus Drive. The estimated construction cost is \$449,883. Staff retained the City's design engineer, Harris and Associates, to provide civil engineering design services to prepare plans and specifications for relocating IRWD's appurtenances as part of the City's construction bid package. Harris and Associates completed the design and the project was approved by the City Council on September 12, 2017. The City will advertise the project for bidding in October and anticipates construction starting in January 2018.

A Vicinity Map is attached as Exhibit "A" and the RA as Exhibit "B". The RA has been reviewed by IRWD's legal counsel.

FISCAL IMPACTS:

Staff anticipates receiving invoices from the City in February 2018. Projects 07170, 07171 and 07172 are included in the FY 2017-18 Capital Budget. Staff requests budget increases in the amount of \$100,000 per project to fund construction as shown in the following table:

Project No.	Current Budget	Addition <Reduction>	Total Budget
07170	\$148,000	\$100,000	\$248,000
07171	\$148,000	\$100,000	\$248,000
07172	\$148,000	\$100,000	\$248,000
Total	\$444,000	\$300,000	\$744,000

ENVIRONMENTAL COMPLIANCE:

Activities such as executing reimbursement agreements are not subject to the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15061 (b)(3), in that CEQA applies only to projects which have the potential for causing a significant effect on the environment. Construction of the relocation of IRWD facilities as a part of the University Drive Widening Project is subject to CEQA. As the lead agency, the City of Irvine is responsible for CEQA compliance.

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD AUTHORIZE BUDGET INCREASES IN THE AMOUNT OF \$100,000 EACH FOR PROJECTS 07170, 07171 AND 07172, EACH FROM \$148,000 TO \$248,000, AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A REIMBURSEMENT AGREEMENT WITH THE CITY OF IRVINE FOR RELOCATING AND ADJUSTING IRWD FACILITIES AS PART OF ITS UNIVERSITY DRIVE WIDENING PROJECT, CAPITAL IMPROVEMENT PROJECT NO. 311306.

LIST OF EXHIBITS:

- Exhibit "A" – Vicinity Map
- Exhibit "B" – Reimbursement Agreement

EXHIBIT "A"



PROJECT SITE

LOCATION MAP

NO SCALE

EXHIBIT "B"

File No.

REIMBURSEMENT AGREEMENT BETWEEN
IRVINE RANCH WATER DISTRICT
AND THE CITY OF IRVINE
FOR
RELOCATION AND ADJUSTMENT OF STREET UTILITIES FOR
UNIVERSITY DRIVE WIDENING PROJECT
CIP NO. 311306

This Agreement is made and entered into as of this ____ day of _____, 2017, by and between IRVINE RANCH WATER DISTRICT, a California water district formed and existing pursuant to the California Water District Law, hereinafter referred to as "DISTRICT," and the CITY OF IRVINE, a municipal corporation, hereinafter referred to as "CITY."

W I T N E S S E T H:

WHEREAS, CITY proposes to construct street improvements for the University Drive Widening Project, CIP No. 311306 (the "Project"), within the jurisdictional boundaries of DISTRICT and the City of Irvine; and

WHEREAS, such construction will necessitate the following: excavation and trench safety measures; removal of 9 ea. existing air-vacuum valve assemblies; removal of 4 ea. existing 4" blow offs; removal of 2 ea. existing 8" blow offs; protection of an existing 24" pipe and manual air release; removal of 1 ea. existing fire hydrant, removal of 21 ea. existing cathodic protection test stations; removal of 38 lf. existing 16" CML&C domestic water pipelines; removal, replacement and adjustment to grade of 26 ea. valve cans; removal, replacement and adjustment to grade of 4 ea. valve assemblies; installation of 10 ea. new 2" air release and vacuum valves; installation of 4 ea. new 4" blow off/ bottom drain assemblies; installation of 2 ea. new 8" blow off/ bottom drain assemblies; installation of 1 ea. new traffic rated meter box (sized for 2" meter) with metal lid; installation of 1 ea. new fire hydrant assembly; installation of 21 ea. new cathodic protection stations; construction of 50 lf of new 16" (1/4" thick) CML&C steel domestic water pipeline; installation of 1 ea. new brass plug on an existing saddle; construction of 70 sf of new 6" reinforced PCC pad over 6" of sand; construction of 12 lf of new 6" curb; adjustment to grade 6 ea. IRWD sewer manhole frames and covers; adjustment to grade

1 ea. IRWD recycled water manhole frame and cover; removal of 2 ea. existing valves and installation of 2 ea. blind flanges on existing tees; abandonment of 1 ea. existing 6" fire service lateral; removal of 5 ea. existing corp stops and installation of plugs per IRWD W-11; installation and adjustment to grade of 3 ea. new valves; removal of 2 ea. existing manual air releases; removal of 1 ea. existing valve and installation of 1 ea. new flanged spool; Installation of 3 ea. new ball corp stops on existing saddles, as depicted on Exhibit "A" attached hereto incorporated by reference herein (hereinafter referred to as the "IRWD FACILITIES"); and

WHEREAS, the parties have determined that it would be more expedient for CITY to construct the IRWD FACILITIES rather than for DISTRICT to do so; and

WHEREAS, DISTRICT is amenable to the CITY constructing the IRWD FACILITIES with the CITY agreeing to advance the costs; and

WHEREAS, DISTRICT agrees to fully reimburse the CITY through payments billed by the CITY and approved by DISTRICT for the entire cost of the IRWD FACILITIES; and

WHEREAS, except as otherwise provided herein, upon the completion of the IRWD FACILITIES, the IRWD FACILITIES shall become the property of DISTRICT in accordance with the terms and conditions hereinafter set forth.

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

SECTION 1. IRWD FACILITIES. In conjunction with the Project, CITY agrees to initiate and pursue to completion the design and construction of the IRWD FACILITIES.

SECTION 2. PLANS. CITY agrees that the IRWD FACILITIES shall be completed pursuant to approved project plans and specifications (the "Plans and Specifications") which shall be approved by DISTRICT and used in awarding the construction contract. The Plans and Specifications shall be deemed to incorporate the applicable portions of DISTRICT's latest edition of "Construction Manual for the Construction of Water, Sewer, and Reclaimed Water Facilities" (the "Construction Manual"). The IRWD FACILITIES shall be contracted by CITY together with non-reimbursable work to be completed by CITY within the Project pursuant to plans prepared by DISTRICT's design engineer.

SECTION 3. BIDDING AND AWARD. The parties agree that the construction of the IRWD FACILITIES shall be included in CITY's contract(s) awarded for the Project and that the IRWD FACILITIES shall be bid as a separate item or items that can be deleted. During the bidding process, CITY shall deliver to IRWD one (1) complete set of the bid documents that include the IRWD FACILITIES, including all related addenda concurrently with the distribution thereof to prospective bidders. Upon opening of bids by CITY, CITY will submit the bids or a spread sheet summary of the bids to DISTRICT. DISTRICT will have a period of ten (10) calendar days from its receipt of the bid results for review and approval of the IRWD FACILITIES bid item(s) submitted by the bidder identified to DISTRICT by CITY as CITY's proposed successful bidder. CITY agrees that bids received for the construction of the IRWD FACILITIES bid item(s) shall be subject to the approval of DISTRICT prior to award of the Project construction contract(s) that include the IRWD FACILITIES; and further agrees that in the event DISTRICT does not approve such bids, either party may terminate this Agreement upon twenty-four (24) hours' prior written notice, in which event CITY shall have no further obligation to construct the IRWD FACILITIES, and DISTRICT may elect to install the IRWD FACILITIES with its own contractor. If DISTRICT approves of the IRWD FACILITIES bid item(s) of CITY's successful bidder, CITY agrees to cause the IRWD FACILITIES to be constructed as part of the contract awarded to such bidder. The total estimated construction cost for the IRWD FACILITIES is \$449,883, provided, however, the amount to be reimbursed by DISTRICT shall be based on the actual costs of construction. Upon award of the construction contract, CITY shall provide DISTRICT with one (1) original copy of the fully executed contract documents and one (1) copy of the bid package relating to the IRWD FACILITIES received from the successful bidder.

SECTION 4. DESIGN REVISIONS AND CHANGE ORDERS. DISTRICT agrees to reimburse CITY for any change order(s) for revision(s) requested by DISTRICT or otherwise required to construct the IRWD FACILITIES. CITY shall promptly furnish DISTRICT with copies of any proposed change order(s) to such contract within five (5) working days of the initiation of the changed conditions to such contract, which shall be subject to DISTRICT approval if and to the extent the IRWD FACILITIES are affected therefrom.

DISTRICT shall promptly review proposed change order(s) and provide CITY with a response within five (5) working days or sooner of receiving proposed change order(s) information from CITY. DISTRICT agrees not to unreasonably cause delay(s) to the construction schedule of the Project in reviewing proposed change order(s) for the IRWD FACILITIES. Notwithstanding any other provision herein, any approval required to be given by the DISTRICT under this

Section shall be deemed given if no response to the CITY's request for such approval is received by the CITY within eight (8) working days following the written request for such approval unless the parties agree otherwise in a writing executed by both parties.

SECTION 5. REIMBURSEMENT. DISTRICT agrees to reimburse CITY for the following costs (collectively, the "Costs"): (1) the actual costs of construction, permits, bonds, and legal fees (excluding the costs of preparation of this Agreement) incurred by CITY in connection with the construction of the IRWD FACILITIES, plus (2) an administration fee which shall be equal to four percent (4%) of the actual cost of construction (costs paid directly to CITY's contractor for construction, only, excluding any cost for design, surveying, geotechnical or other work) of the IRWD FACILITIES and which shall be deemed to cover all costs of project administration, including, but not limited to, accounting, inspection, surveying, compaction testing, geotechnical services and engineering. CITY shall keep a separate accounting of all Costs incurred by CITY in relation to the IRWD FACILITIES.

Within sixty (60) days of DISTRICT's acceptance of the IRWD FACILITIES as provided in Section 8, a final accounting of the Costs shall be made by CITY and submitted to DISTRICT along with an invoice for the Costs and any supporting documentation necessary to show the amounts which represent Costs of IRWD FACILITIES. Amounts paid pursuant to progress payment invoices shall be subject to adjustment in the final accounting. Within thirty (30) days of said final accounting, DISTRICT agrees to pay to CITY the total amount of the Costs.

SECTION 6. LAWS, ORDINANCES, RULES AND REGULATIONS. CITY shall require in its contract for the construction of the IRWD FACILITIES that its contractor be fully informed of and comply with all laws, ordinances, rules and regulations, including, but not limited to, all applicable requirements of the California Labor Code, prevailing wage laws, the Construction Manual, and the Rules and Regulations of DISTRICT, in connection with the construction of the IRWD FACILITIES.

SECTION 7. INSPECTION. DISTRICT shall have sole and absolute discretion as to all aspects of design and construction of the IRWD FACILITIES, and DISTRICT shall be entitled to inspect the construction of IRWD FACILITIES as it deems necessary to assure compliance with the Plans and Specifications, including shop drawing review and material inspection thereof. DISTRICT shall have access to all phases of the Project work to be performed by CITY for the purpose of such inspection; provided, however, all questions regarding the work being

performed will be directed to CITY's resident engineer. DISTRICT will promptly notify CITY of any portion of the work on the IRWD FACILITIES which appears not to conform to the Plans and Specifications. The determination of DISTRICT as to conformity of the IRWD FACILITIES with the Plans and Specifications shall be made in DISTRICT's sole and absolute discretion. DISTRICT agrees not to unreasonably withhold its approval as to such conformity of the IRWD FACILITIES with the Plans and Specifications. CITY shall require its contractor to construct the IRWD FACILITIES so that the IRWD FACILITIES conform to the Plans and Specifications. CITY agrees to assume full responsibility for certifying or obtaining certification of the compaction of backfill material over the IRWD FACILITIES.

SECTION 8. ACCEPTANCE. DISTRICT agrees to accept the IRWD FACILITIES when the IRWD FACILITIES have been completed by CITY in accordance with all requirements of the Plans and Specifications, including any change orders approved by DISTRICT as provided in Section 3 hereof. At the time of completion and acceptance of the IRWD FACILITIES, CITY agrees to furnish DISTRICT with one (1) copy of the contractor's redlined set of blue-line "record" drawings (showing all revisions, manufacturer and type of valves, pipe and fittings as required by DISTRICT) and one (1) copy of the compaction reports and certificate, survey notes and cut sheets.

SECTION 9. OWNERSHIP. It is mutually agreed between the parties hereto that notwithstanding the fact that CITY shall accomplish the construction of the IRWD FACILITIES subject to reimbursement, the IRWD FACILITIES to be completed hereunder, together with the necessary franchises, licenses, easements, rights-of-way, and other privileges, shall at all times be subject to the applicable rates, rules and regulations of DISTRICT, as modified or amended from time to time. CITY hereby disclaims any interest in the IRWD FACILITIES and does hereby transfer and assign to DISTRICT any and all right, title, and interest it may have in the IRWD FACILITIES. DISTRICT shall own, operate and maintain the IRWD FACILITIES following acceptance thereof.

SECTION 10. GUARANTEES. CITY will, pursuant to the requirement(s) of the Plans and Specifications, cause its contractor(s) for the IRWD FACILITIES to guarantee the IRWD FACILITIES against defects in workmanship and materials for a period of one (1) year from the date of acceptance by CITY, which acceptance shall be given only after acceptance by DISTRICT as provided in Section 8. It is further agreed that CITY shall cause the IRWD FACILITIES to be brought or restored to full compliance with the requirements of the Plans and Specifications, including any test requirements, for any portions of the IRWD FACILITIES

which during said one (1) year period are found not to be in conformance with the provisions of the Plans and Specifications. This guarantee is in addition to any and all other warranties, express or implied, from CITY's contractors or material manufacturers, with respect to the IRWD FACILITIES. The guarantee and obligations under this section shall in no way be relieved by DISTRICT's inspection and/or acceptance of the IRWD FACILITIES. This section sets forth the entire guarantee and warranty of CITY with respect to the IRWD FACILITIES. The express or implied warranties of other persons with respect to IRWD FACILITIES shall in no way be limited by the guarantee and warranty of CITY contained in this section. If requested by DISTRICT, CITY agrees to assign to DISTRICT the contractor's guarantee and/or any other guarantees or warranties relating to the IRWD FACILITIES.

SECTION 11. INDEMNIFICATION. CITY shall indemnify, defend and hold DISTRICT, its officers, agents, employees, and engineers harmless from any expense, liability or claim for death, injury, loss, damage or expense to persons or property which may arise or is claimed to have arisen during construction of the IRWD FACILITIES as a result of any work or action performed by CITY or on behalf of CITY, save and except to the extent such expense, liability or claim is proximately caused in whole or in part by any act, omission, or negligence of DISTRICT, its officers, agents, employees or engineers or by any act or omission for which DISTRICT, its officers, agents, employees or engineers are liable without fault.

DISTRICT shall indemnify, defend and hold CITY, its officers, agents, and employees, harmless from any expense, liability or claim for death, injury, loss, damage or expense to persons or property which may arise or is claimed to have arisen either (i) as a result of any acts performed by DISTRICT, its officers, agents, or employees, with respect to the IRWD FACILITIES construction; or (ii) following DISTRICT acceptance of the IRWD FACILITIES, with respect to maintenance and operation of the IRWD FACILITIES, save and except to the extent such expense, liability or claim is proximately caused in whole or in part by any negligence of CITY, its officers, agents, employees or engineers, or by any act or omission for which CITY, its officers, agents, employees or engineers are liable without fault.

SECTION 12. INSURANCE AND BONDING. CITY shall cause its contractor(s) to provide performance and payment bonds for the construction of the Project including the IRWD FACILITIES and to obtain insurance coverage sufficiently broad to insure the matters set forth in this Agreement and to include DISTRICT, its officers, agents, employees and engineers, as additional insureds on all insurance policies that CITY requires its contractor(s) to provide. As evidence of such insurance coverage, CITY shall, prior to commencement of construction of the

IRWD FACILITIES, provide DISTRICT with certificates of insurance and insurance endorsements from CITY's contractor(s) in a form acceptable to DISTRICT.

SECTION 13. TERMINATION. DISTRICT shall have the right to terminate this Agreement at any time, subject to the provisions of this section, by providing five (5) business days' prior written notice to CITY, except as noted in Section 3. If at the request or direction of a party other than CITY, the construction of the IRWD FACILITIES is not accomplished or completed, DISTRICT shall remain obligated for the actual amount of the Costs incurred by CITY to the date of termination.

If CITY's Project is canceled or modified so as to eliminate the necessity of the construction of the IRWD FACILITIES, CITY shall have the right to terminate this Agreement and thereby terminate its obligation to construct the IRWD FACILITIES, by providing five (5) business days' prior written notice to DISTRICT. In such case, DISTRICT will not be obligated for any design or any other Costs incurred by CITY. If IRWD elects to construct the IRWD FACILITIES, DISTRICT may, but shall not be obligated to, acquire design or other work from CITY by separate agreement.

SECTION 14. NOTICE. Any notice or other written instrument required or permitted by this Agreement to be given to either party shall be deemed received when personally served or twenty-four (24) hours after being deposited in the U.S. Mail, postage prepaid, registered or certified and addressed as follows:

DISTRICT: Irvine Ranch Water District
15600 Sand Canyon Avenue
P.O. Box 57000
Irvine, CA 92619-7000
Attn: General Manager

CITY: City of Irvine
6427 Oak Canyon, Bldg. 1
Irvine, CA 92618
Attn: Darrell Hartman, Senior Civil Engineer

SECTION 15. SUCCESSORS AND ASSIGNS; INTEGRATION; AMENDMENT.
This Agreement shall be binding upon and inure to the benefit of the successor and assigns of CITY and DISTRICT. This Agreement constitutes the entire Agreement between CITY and DISTRICT and supersedes all prior understandings and agreements between the parties with

respect to the subjects hereof. This Agreement may be modified only in writing signed by both parties hereto.

SECTION 16. LEGAL FEES. In the event of any declaratory or other legal or equitable action instituted between CITY and DISTRICT in connection with this Agreement, the prevailing party shall be entitled to recover from the losing party all of its costs and expenses, including court costs and reasonable attorneys' fees.

SECTION 17. DEEMED APPROVAL. Any approval required to be given by either party pursuant to this Agreement shall be deemed given if no response to the party's request for such approval is received by the requesting party within fifteen (15) days following the written request for such approval.

SECTION 18. SEVERABILITY. If any term, provision, covenant or condition of this Agreement is held to be invalid, void or other unenforceable, to any extent, by any court of competent jurisdiction, the remainder of this Agreement shall not be affected thereby, and each term provision, covenant or condition of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

SECTION 19. APPLICABLE LAW. This Agreement shall be construed and enforced in accordance with the laws of the State of California.

SECTION 20. WAIVER. The waiver of any provision of this Agreement by either party shall not be deemed to be a waiver of any other provision or of any preceding or subsequent breach hereunder.

IN WITNESS WHEREOF, the parties to the Agreement have executed this Agreement on the date herein above written.

IRVINE RANCH WATER DISTRICT

By _____
Paul Cook, General Manager

Dated _____

ATTEST:

By _____
Secretary/Assistant Secretary

Dated _____

APPROVED AS TO FORM:

By _____
Legal Counsel, IRWD

Dated _____

CITY OF IRVINE
A Municipal Corporation

By _____
Sean Joyce
City Manager of the City of Irvine

Dated _____

By _____
Manuel Gomez
Director of Public Works

Dated _____

ATTEST:

By _____
Molly McLaughlin
City Clerk of the City of Irvine

Dated _____

APPROVED AS TO FORM:

By _____
Jeffrey Melching, RUTAN & TUCKER, LLP
City Attorney of the City of Irvine

Dated _____

EXHIBIT "A"

REIMBURSEMENT AGREEMENT BETWEEN IRVINE RANCH WATER DISTRICT (IRWD)
AND THE CITY OF IRVINE
FOR
RELOCATION AND ADJUSTMENT OF STREET UTILITIES FOR UNIVERSITY DRIVE WIDENING PROJECT
CIP NO. 311306

ENGINEERS ESTIMATE

ITEM NO.	DESCRIPTION	QUANTITY	UNITS	UNIT COST	EXTENDED AMOUNT
1A	EXCAVATION/ TRENCH SAFETY MEASURES	1	LS	\$20,000.00	\$ 20,000.00
2A	REMOVE EXISTING AIR-VACUUM VALVE ASSEMBLY	9	EA	\$ 800.00	\$ 7,200.00
3A	REMOVE EXISTING 4" BLOW OFF	4	EA	\$ 800.00	\$ 3,200.00
4A	REMOVE EXISTING 8" BLOW OFF	2	EA	\$ 2,000.00	\$ 4,000.00
5A	PROTECT EXISTING 24" RECYCLED WATER PIPELINE AND MANUAL AIR RELEASE	1	LS	\$ 1,500.00	\$ 1,500.00
6A	REMOVE EXISTING FIRE HYDRANT	1	EA	\$ 3,250.00	\$ 3,250.00
7A	REMOVE EXISTING CATHODIC PROTECTION TEST STATION	21	EA	\$ 800.00	\$ 16,800.00
8A	REMOVE EXISTING 16" CML&C DOMESTIC WATER PIPELINE	38	LF	\$ 30.00	\$ 1,140.00
9A	REMOVE AND REPLACE VALVE CAN AND ADJUST TO GRADE	26	EA	\$ 1,050.00	\$ 27,300.00
10A	REMOVE AND REPLACE VALVE ASSEMBLY AND ADJUST TO GRADE	4	EA	\$ 4,725.00	\$ 18,900.00
11A	INSTALL NEW 2" AIR RELEASE AND VACUUM VALVE	10	EA	\$ 6,750.00	\$ 67,500.00
12A	INSTALL NEW 4" BLOW OFF/ BOTTOM DRAIN ASSEMBLY	4	EA	\$ 8,000.00	\$ 32,000.00
13A	INSTALL NEW 8" BLOW OFF/ BOTTOM DRAIN ASSEMBLY	2	EA	\$15,750.00	\$ 31,500.00
14A	INSTALL NEW TRAFFIC RATED 2" METER BOX WITH METAL LID	1	EA	\$ 525.00	\$ 525.00
15A	INSTALL NEW FIRE HYDRANT ASSEMBLY	1	EA	\$ 9,000.00	\$ 9,000.00
16A	INSTALL NEW CATHODIC PROTECTION STATION WITH NEW WIRES TO PIPELINE	21	EA	\$ 6,825.00	\$ 143,325.00
17A	CONSTRUCT NEW 16" (1/4" THICK) CML&C STEEL DOMESTIC WATER PIPELINE	50	LF	\$ 265.00	\$ 13,250.00
18A	INSTALL NEW BRASS PLUG ON SADDLE	1	EA	\$ 105.00	\$ 105.00
19A	CONSTRUCT NEW 6" REINFORCED PCC PAD OVER 6" SAND	70	SF	\$ 50.00	\$ 3,500.00
20A	CONSTRUCT NEW B-6 CURB ONLY	12	LF	\$ 30.00	\$ 360.00
21A	ADJUST IRWD SEWER MANHOLE FRAME AND COVER TO GRADE	6	EA	\$ 800.00	\$ 4,800.00
22A	ADJUST IRWD RECYCLED WATER MANHOLE FRAME AND COVER TO GRADE	1	EA	\$ 1,050.00	\$ 1,050.00
23A	REMOVE EXISTING VALVE AND INSTALL BLIND FLANGE ON EXISTING TEE	2	EA	\$ 800.00	\$ 1,600.00
24A	ABANDON EXISTING 6" FIRE SERVICE LATERAL	1	EA	\$ 1,050.00	\$ 1,050.00
25A	REMOVE EXISTING CORP STOP, INSTALL PLUG, CONNECT PER W-11	5	EA	\$ 800.00	\$ 4,000.00
26A	INSTALL NEW VALVE AND ADJUST TO GRADE	3	EA	\$ 3,750.00	\$ 11,250.00
27A	REMOVE EXISTING MANUAL AIR RELEASE	2	EA	\$ 800.00	\$ 1,600.00
28A	REMOVE EXISTING VALVE AND INSTALL NEW FLANGED SPOOL	1	EA	\$ 1,300.00	\$ 1,300.00
29A	INSTALL NEW BALL CORP STOP ON EXISTING SADDLE	3	EA	\$ 525.00	\$ 1,575.00
TOTAL CONSTRUCTION ESTIMATE					\$ 432,580.00
4% ADMINISTRATION FEE PER SECTION 5 OF AGREEMENT					\$ 17,303.00
TOTAL COSTS					\$ 449,883.00

October 23, 2017

Prepared by: A. Murphy/M. Cortez

Submitted by: K. Burton 

Approved by: Paul A. Cook 

CONSENT CALENDAR

SAN JOAQUIN MARSH IMPROVEMENTS FINAL ACCEPTANCE

SUMMARY:

The San Joaquin Marsh Improvements project is complete. The contractor, Olsson Construction, completed the required work and all punch list items. The project has received final inspection and acceptance of construction is recommended.

BACKGROUND:

The San Joaquin Marsh is a natural treatment system facility composed of 11 interconnected ponds that provide freshwater wetland habitat and water quality treatment functions including nutrient removal. This project constructed miscellaneous improvements throughout the San Joaquin Marsh to mitigate the effects of reduced San Diego Creek flows due to the Peters Canyon Channel Water Capture and Reuse Pipeline project as well as improve overall San Joaquin Marsh operations.

Stantec Corporation completed the design in July 2016 and Olsson Construction was awarded the construction contract on September 14, 2016. After receipt of construction materials, Olsson Construction mobilized in January 2017. The addition of approximately six months to the original contract time was primarily due to two items of work: the procurement of the pumps for the San Diego Creek Pump Station and a District-requested upgrade of the wireless communication modules on the Upper Carlson Marsh magnetic flow meters.

Project Title:	San Joaquin Marsh Improvements
Project No.:	06168
Design Engineer:	Stantec
Construction Management by:	IRWD Staff
Contractor:	Olsson Construction, Inc.
Original Contract Cost:	\$1,494,775.00
Final Contract Cost:	\$1,528,351.11
Original Contract Days:	180
Final Contract Days:	356
Final Change Order Approved On:	September 29, 2017

FISCAL IMPACTS:

Project 06168 is included in the FY 2017-18 Capital Budget. The existing budget is sufficient to fund the final payment for the project.

ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15301 which provides exemption for minor alterations of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination. A Notice of Exemption for the project was prepared and filed with the County of Orange on March 15, 2016.

COMMITTEE STATUS:

This item was not reviewed by a Committee

RECOMMENDATION:

THAT THE BOARD ACCEPT CONSTRUCTION OF THE SAN JOAQUIN MARSH IMPROVEMENTS, PROJECT 06168; AUTHORIZE THE GENERAL MANAGER TO FILE A NOTICE OF COMPLETION; AND AUTHORIZE THE PAYMENT OF THE RETENTION 35 DAYS AFTER THE DATE OF RECORDING THE NOTICE OF COMPLETION.

LIST OF EXHIBITS:

None.

October 23, 2017

Prepared by: J. Nash/R. Mori

Submitted by: K. Burton (KLB)

Approved by: Paul A. Cook / 

CONSENT CALENDAR

AUTOMATION SUPPORT CONSULTANT SERVICES

SUMMARY:

Since March 2014, Vertech Industrial Systems, LLC (Vertech) has provided automation support services including programmable logic controller (PLC) and operator interface terminal (OIT) programming, supervisory control and data acquisition (SCADA) development, and field commissioning services for multiple projects within the District. With the majority of the scoped projects either complete or in the final stages of completion, staff recommends that the Board authorize the General Manager to execute a new Professional Services Agreement, in the amount of \$200,000, with Vertech for additional automation support services for upcoming projects.

BACKGROUND:

Staff previously retained Vertech to provide automation support services for various projects including the Zone 1-3 Meter Replacement, Reservoir Management Systems for Foothill Zone 6 and Portola Zone 8 Reservoirs, San Joaquin Marsh Electrical Upgrades, Newport Coast Lift Station, IDF Sodium Hypochlorite Storage and Feed System, ILP North Conversion Zone C+ Reservoir, and the Michelson Water Recycling Plant Operations Center Permanent Generator. Vertech has completed its work on all projects except for the Newport Coast Lift Station, IDF Sodium Hypochlorite Storage and Feed System, and the Zone C+ Reservoir, which are currently in construction and underway.

Through the execution of these projects, Vertech staff have become proficient with the District's automation hardware and software systems, programming standards and requirements, and automation development processes. Vertech has also developed an unparalleled understanding of the District's facility startup and commissioning practices, which has improved the overall facility startup process with the District's contractors. Vertech has completed the work on time and on budget and has demonstrated an in-depth understanding of the District's automation practices throughout the execution of the work.

Professional Services Agreement with Vertech:

Based on the successful partnership with Vertech over the past few years, staff has evaluated upcoming projects and identified a need for additional automation support services associated with the Dyer Road Wellfield Surge Tanks, Eastwood Zone A to B and Zone A to C Pump Stations, Second Zone 1 Reservoir, and the PDF Sodium Hypochlorite Storage and Feed System projects.

Staff recommends that a Professional Services Agreement, in the amount of \$200,000, be executed with Vertech to provide additional automation support services for the projects described above. A copy of Vertech's billing rate schedule is provided as Exhibit "A". The billing rate for the controls integrator will increase from \$130 per hour to \$145 per hour, but the

billing rates for all other staff will remain unchanged from the original proposed billing rates established in 2014. The proposed billing rates are comparable with those of other automation consultants performing this type of work. As Vertech has performed exceptional work for the District, staff recommends hiring this firm using the Competitive Bidding exception (under Section 3d) as the process could not produce an advantage where it would be practical to comply with the provisions because of its unique proficiency in using the District's hardware and software systems.

FISCAL IMPACTS:

Automation support services will be provided for projects that are included in the FY 2017-18 Capital Budget. The available budgets and existing Expenditure Authorizations for those projects will be used to fund these services.

ENVIRONMENTAL COMPLIANCE:

Activities such as executing agreements for consulting services are exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15061 (b) (3). These types of activities are covered by the general rule that CEQA applies only to projects which have the potential for causing a significant direct effect on the environment or reasonably indirect effect on the environment. In addition, the specific projects identified herein, are subject to CEQA and have either already completed, or are currently undergoing, the CEQA review process.

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A NEW PROFESSIONAL SERVICES AGREEMENT, IN THE AMOUNT OF \$200,000, WITH VERTECH INDUSTRIAL SYSTEMS, LLC FOR AUTOMATION SUPPORT SERVICES FOR UPCOMING PROJECTS.

LIST OF EXHIBITS:

Exhibit "A" – Vertech Billing Rate Schedule

EXHIBIT "A"



Vertech typically provides fixed price quotes for projects requiring our services. However, for clients who prefer to work on a time and materials basis, or for clients requiring consulting or repair services, we provide the following hourly rates.

SERVICE DESCRIPTIONS AND RATES

Scheduled Services

Control system consulting or repair services scheduled more than one week in advance are considered scheduled services.

High Priority / Emergency Services

Services offered per availability. Rates can also be negotiated depending on availability.

Scheduled Services – Normal Business Hours (M-F 7am-5pm):

Type	Rate
Project Manager/Senior Controls Integrator	\$165.00/hour
Controls Integrator	\$145.00/hour

Scheduled Services - After Business Hours:

Type	Rate
Project Manager/Senior Controls Integrator	\$225.00/hour
Controls Integrator	\$165.00/hour

High Priority / Emergency Services:

Type	Rate
Project Manager/Senior Controls Integrator	\$255.00/hour
Controls Integrator	\$225.00/hour

Designer Services

Designer

\$100.00/hour

Travel Time

Travel time will be charged at our standard rates round trip from our office to your location.

Expenses and Materials

All travel related expenses will be billed at cost plus 15%. All materials will be billed at cost plus 20%. Travel costs are determined as detailed below:

Expense Type	Cost Method	Bill Amount
Mileage	GSA Mileage	Cost + 15%
Meals	GSA Per diem rates and rules	Cost + 15%
Airfare	Actual cost with receipts	Cost + 15%
Hotel	Actual cost with receipts	Cost + 15%
Car rental	Actual cost with receipts	Cost + 15%
Incidentals	Actual cost with receipts	Cost + 15%
Materials	Actual cost with receipts	Cost + 20%

October 23, 2017

Prepared and

submitted by: C. Compton *u*

Approved by: Paul Cook

CONSENT CALENDAR

2017 SPECIAL DISTRICTS REPRESENTATIVE SEAT ELECTION FOR THE COUNTYWIDE ORANGE COUNTY REDEVELOPMENT AGENCY OVERSIGHT BOARD

SUMMARY:

In 2012, California dissolved all of the redevelopment agencies throughout the state. In 2015, state law was changed to require the creation of countywide oversights to oversee the activities of former the redevelopment agencies and their successor agencies. Each county's oversight board is be created in 2018 and must include one special district representative. The special district representative is to be selected by the Independent Special District Selection Committee.

In September, the Orange County Local Agency Formation Commission, which staffs the Independent Special District Selection Committee, notified Orange County special districts that they would hold an election for the special districts seat on the countywide Orange County Redevelopment Agency Oversight Board. As part of the election process, the Executive Officer of LAFCO is now accepting nominations for the position and "Declaration of Qualification to Vote" forms designating the voting member and alternative for each special district seeking to vote in the election. The deadline for submitting nominations and the "Declaration of Qualification to Vote" is Monday, November 10, 2017, at 3:00 pm. Ballots for election of the special districts representative will be mailed out on November 13, 2017, and must be returned prior to December 18, 2017, at 3:00 pm.

Staff recommends that the Board:

- Authorize the District Secretary to submit the "Declaration of Qualification to Vote" form designating President Doug Reinhart as IRWD's authorized voting member and Vice President Peer Swan as IRWD's alternate voting member for the Orange County Special District Selection Committee election;
- Nominate Director Mary Aileen Matheis as a candidate for the Special District seat on the countywide Orange County Redevelopment Agency Oversight Board;
- Authorize President Reinhart or the designated alternate to submit the "2017 Nomination Form" on behalf of Director Matheis; and
- Authorize the District's voting member to cast the District's ballot in favor of Director Matheis.

BACKGROUND:

On February 1, 2012, all 400 redevelopment agencies in California were dissolved. To help facilitate the dissolution of each agency, a successor to the redevelopment agency was appointed and an oversight board comprised of representatives from cities, counties, school districts and

special districts were appointed to oversee the successor's activities. The oversight boards were given fiduciary responsibilities to ensure taxing entities received their property tax revenues and to ensure that holders of obligations of the dissolved redevelopment agency were paid.

In 2015, state law was changed to consolidate the oversight boards within each county, with the exception of those in Los Angeles County, into one countywide oversight board beginning in 2018. As a result in Orange County, the Orange County Redevelopment Agency Oversight Board is being created as the countywide oversight board for the county. Per state law, each countywide oversight board is to have a special districts representative appointed by the Independent Special District Selection Committee. If no appointment is made by July 15, 2018, the law provides that the Governor is empowered to make the appointment.

On September 21, the Executive Director Orange County Local Agency Formation Commission, which staffs the Independent Special District Selection Committee, sent a letter to each Orange County special district notifying them of the nomination and election process for the special districts seat on the countywide Orange County Redevelopment Agency Oversight Board. The Executive Director sent a second letter on October 10. Copies of the letters are attached as Exhibit "A" and Exhibit "B".

As part of the nomination and election process, each special district must designate a board member to serve as its designated voting member and must designate a board member to serve as the alternate in the event the designated voting member is not available. The Selection Committee requires that each special district file the "Declaration of Qualification to Vote" form designating the voting member and alternate by November 10, 2017, at 3:00 pm. Staff recommends that the Board authorize the District Secretary to submit the "Declaration of Qualification to Vote" form designating President Doug Reinhart as IRWD's authorized voting member and Vice President Peer Swan, as IRWD's alternate voting member, for the Orange County Special District Selection Committee election prior to the November 10 deadline.

The deadline for submitting nominations for the open seat is also November 10. Director Matheis has indicated her interest in representing special districts on the countywide board. Staff also recommends that the Board authorize President Reinhart or the designated alternate to submit the "2017 Nomination Form" on her behalf, and authorize the District's voting member to cast the District's ballot in favor of Director Matheis.

Ballots for election for the Special District representative seat will be mailed out on November 13 and must be returned prior to December 18 at 3:00 pm.

FISCAL IMPACTS:

None.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

THE BOARD AUTHORIZE THE DISTRICT SECRETARY TO SUBMIT THE “DECLARATION OF QUALIFICATION TO VOTE” FORM DESIGNATING PRESIDENT DOUG REINHART AS IRWD’S AUTHORIZED VOTING MEMBER AND VICE PRESIDENT PEER SWAN AS IRWD’S ALTERNATE VOTING MEMBER FOR THE ORANGE COUNTY SPECIAL DISTRICT SELECTION COMMITTEE ELECTION; NOMINATE DIRECTOR MARY AILEEN MATHEIS AS A CANDIDATE FOR THE SPECIAL DISTRICT REPRESENTATIVE SEAT ON THE ORANGE COUNTY REDEVELOPMENT AGENCY OVERSIGHT BOARD; AUTHORIZE PRESIDENT REINHART OR THE DESIGNATED ALTERNATE TO SUBMIT THE “2017 NOMINATION FORM” ON BEHALF OF DIRECTOR MATHEIS; AND AUTHORIZE THE DISTRICT’S VOTING MEMBER TO CAST THE DISTRICT’S BALLOT IN FAVOR OF DIRECTOR MATHEIS.

LIST OF EXHIBITS:

- Exhibit “A” – September 21, 2017, Redevelopment Agency Oversight Board Appointments-
County of Orange
- Exhibit “B” – October 10, 2017, Letter on Start of Nomination Period for Redevelopment
Agency Oversight Board Appointment- County of Orange



ORANGE COUNTY

September 21, 2017

CHAIR
DEREK J. MCGREGOR
 Representative of
 General Public

VICE CHAIR
DR. ALLAN BERNSTEIN
 Councilmember
 City of Tustin

LISA BARTLETT
 Supervisor
 5th District

CHERYL BROTHERS
 Councilmember
 City of Fountain Valley

TODD SPITZER
 Supervisor
 3rd District

CHARLEY WILSON
 Director
 Santa Margarita Water District

JOHN WITHERS
 Director
 Irvine Ranch Water District

ALTERNATE
WENDY BUCKNUM
 Councilmember
 City of Mission Viejo

ALTERNATE
JAMES FISLER
 Director
 Mesa Water District

ALTERNATE
LOU PENROSE
 Representative of
 General Public

ALTERNATE
MICHELLE STEEL
 Supervisor
 2nd District

CAROLYN EMERY
 Executive Officer

TO: Presiding Officers, Independent Special Districts of Orange County

RE: Redevelopment Agency Oversight Board Appointments - County of Orange

Recent Legislation gives the Orange County Local Agency Formation Commission ("LAFCO") the responsibility to conduct elections for the special district representative to the new county-wide Orange County Redevelopment Agency Oversight Board ("RDA Board"). The purpose of this letter is to inform you that LAFCO will conduct that 2018 election by mailed ballot, as it does other Independent Special District Selection Committee elections.

Background

California redevelopment law created an oversight board to monitor the remaining activities of each former redevelopment agency. In September of 2015, the Governor signed SB 107, which required the consolidation of more than 400 RDA Oversight Boards into just one oversight board per county, with the exception of Los Angeles County (Health and Safety Code Section 34179.) Each county's oversight board includes one special district representative to be appointed by that county's Independent Special District Selection Committee in accordance with that Committee's election procedures (Government Code Section 56332(e)). The new law further states that should the Committee fail to appoint a special district representative to the oversight board by July 15, 2018, the Governor is empowered to make the appointments. SB 107 did not specify a term of office, merely specifying that a board member "shall serve at the pleasure of the entity that appointed such member."

For your reference, I have included additional background on the legislation that was prepared by the California Special Districts Association ("CSDA") and the California Association of Local Agency Formation Commissions ("CALAFCO").

Appointments to Orange County RDA Oversight Board

The Orange County Special District Selection Committee's Bylaws authorize the LAFCO Executive Officer to conduct the elections of the

Committee in writing, which LAFCO has elected to do for the past several years. This is to inform you that, as authorized by the new law, LAFCO will conduct the elections for the special district representative to the new Orange County RDA oversight board by the same means it conducts other elections, which is by mailed written ballot.

The nomination and election by mail will be conducted pursuant to the following schedule:

DATE	EVENT
Tuesday, October 10, 2017	Nomination Period Begins: LAFCO Executive Officer emails notification letters with nomination form and Declaration of Qualification to Vote to independent special district presiding officers and general managers.
November 10, 2017 (3 PM)	Nomination Period Ends: Deadline for submitting nominations and Declaration of Qualification to Vote for RDA Oversight Board to LAFCO by 3:00 p.m.*
November 13, 2017	Voting Period Begins: Ballots emailed to all special district presiding officers/designees and general managers.
December 18, 2017 (3 PM)	Voting Period Ends: Ballots due to LAFCO by 3:00 p.m.
December 19, 2017	Ballots Counted: LAFCO staff tabulates ballots and announces results.
* Pursuant to Government Code §56332 (f)(2), if only one candidate is nominated for a vacant seat, that candidate shall be deemed selected, with no further proceedings.	

Should you have any questions regarding the election process, please contact me or our Commission Clerk, Cheryl-Carter Benjamin at (714) 640-5100.

Sincerely,



Carolyn Emery
 Executive Officer

Attachment: "Countywide RDA Oversight Board Special District Appointments issued by CSDA & CALAFCO

cc: Eric Woolery, Orange County Auditor-Controller
 Special District General Managers



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COUNTYWIDE RDA OVERSIGHT BOARD SPECIAL DISTRICT APPOINTMENTS

CALIFORNIA SPECIAL DISTRICTS ASSOCIATION
CALIFORNIA ASSOCIATION OF LOCAL AGENCY FORMATION COMMISSIONS
Last Updated: September 27, 2016



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DISCLAIMER:

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ACKNOWLEDGEMENTS:

In preparing this paper, CSDA and CALAFCO greatly benefited from individuals who were generous with their time and insightful with their views. Members of our working group held background experience as special district general managers and directors of finance, local agency formation commission executive officers, RDA oversight board representatives, and attorneys.

CSDA and CALAFCO extend sincere appreciation to the individuals on our joint working group, who significantly contributed to the development of this guide. The contributions of the following people were invaluable:

Gary Bell
Attorney at Law
Colantuono, Highsmith & Whatley, PC

José C. Henríquez,
Executive Officer
El Dorado County Local Agency Formation Commission

Shane McAfee
General Manager
Greater Vallejo Recreation and Park District

Keene Simonds
Executive Officer
Marin County Local Agency Formation Commission

Charles Turner
Director of Finance
Eastern Municipal Water District



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On July 1, 2018, more than 400 redevelopment agency (RDA) oversight boards will be consolidated into just one oversight board per county (and five oversight boards in Los Angeles County). When this occurs, each county's Independent Special Districts Selection Committee will be granted the authority to appoint one special district representative to that county's respective oversight board.

If the Independent Special District Selection Committee in a county fails to act by July 15, 2018, the governor will make the appointment on its behalf. Therefore, it is important that the special districts in each affected county, and the Local Agency Formation Commissions (LAFcos) that administer the operations of the Independent Special Districts Selection Committees, take proactive steps to ensure a successful locally-controlled appointment process.

Much is at stake in the decisions that go before oversight boards. In fiscal years 2015-16 and 2016-17 combined, the governor's 2016 May Revise estimated special districts will receive \$316 million in property tax restoration due to the continued wind down of RDAs. Oversight board actions could affect the amount and speed of future property tax restorations to special districts and other local agencies.

Due to the newness and uniqueness of the statute providing for countywide oversight boards, the many cross-references within the statute, and the lack of familiarity most LAFcos and special districts have with the Health and Safety Code in which the statute is included, the authorizing language for special district appointments may be challenging to some local officials.

For these reasons, the California Special Districts Association (CSDA) and California Local Agency Formation Commission (CALAFCO) convened a working group to outline the process for appointing special district representatives to countywide oversight boards, and to provide guidance on potential questions related to that process.

COUNTIES REQUIRING A COUNTYWIDE OVERSIGHT BOARD

The following thirty-seven counties have two or more oversight boards that will be consolidated into one countywide oversight board on July 1, 2018 (except for Los Angeles County, which will be consolidated into five oversight boards):

- Alameda
- Butte
- Contra Costa
- Fresno
- Humboldt
- Imperial
- Kern
- Kings
- Lake
- Los Angeles (five oversight boards)
- Madera
- Marin
- Monterey
- Mendocino
- Merced
- Nevada
- Orange
- Placer
- Riverside
- Sacramento
- San Bernardino
- San Diego
- San Joaquin
- San Luis Obispo
- San Mateo
- Santa Barbara
- Santa Clara
- Santa Cruz
- Shasta
- Solano
- Sonoma
- Stanislaus
- Sutter
- Tulare
- Ventura
- Yolo
- Yuba

Of the counties noted above, the following eleven counties do not currently have an Independent Special Districts Selection Committee in place. Therefore, the special districts and LAFco in each of these counties will need to form an Independent Special Districts Selection Committee in order to facilitate the appointment of a special district representative to the new countywide RDA oversight board:

- Fresno
- Imperial
- Kings
- Madera
- Merced
- San Joaquin
- Solano
- Stanislaus
- Tulare
- Yolo
- Yuba



SPECIAL DISTRICT REPRESENTATIVE APPOINTMENT PROCESS

The statutory authorization for appointing the special district representative to a countywide oversight board is found in Health and Safety Code 34179, which can be found in the appendix. This publication overviews the application of this authority in conjunction with the relevant code sections cross-referenced to the Cortese-Knox-Hertzberg Act or "LAFCo Law" in the Government Code.

On July 1, 2018, counties with 2 – 39 individual RDA oversight boards will be consolidated into one countywide oversight board. Upon consolidation, the county's Independent Special District Selection Committee is responsible for appointing the special district representative to the new countywide oversight board. The Independent Special District Selection Committee consists of the presiding officer of the legislative body of each independent special district or district-appointed alternate (Government Code Section 56332(a)).

Procedures

The LAFCo Executive Officer/Designee is responsible for calling and giving written notice of meetings of the Independent Special District Selection Committee, at which a representative may be appointed to the countywide RDA oversight board. (Government Code Section 56332(b)).

- A majority of the Independent Special District Selection Committee may determine to conduct the committee's business by mail, including holding all elections by mailed ballot (Government Code Section 56332(e)).

If the independent special district selection committee has determined to conduct the committee's business by mail or if the executive officer/designee determines that a meeting of the special district selection committee, for the purpose of selecting the special district members or filling vacancies, is not feasible, the executive officer/designee shall conduct the business of the committee by mail. Elections by mail shall be conducted as follows (Government Code Section 56332(f)):

- 1) The executive officer/designee shall prepare and deliver a call for nominations to each eligible district. The presiding officer, or his or her alternate as designated by the governing body, may respond in writing by the date specified in the call for nominations, which date shall be at least 30 days from the date on which the executive officer mailed the call for nominations to the eligible district.
- 2) At the end of the nominating period, if only one candidate is nominated for a vacant seat, that candidate shall be deemed appointed. If two or more candidates are nominated, the executive officer/designee shall prepare and deliver one ballot and voting instructions to each eligible district. The ballot shall include the names of all nominees and the office for which each was nominated. Each presiding officer, or his or her alternate as designated by the governing body, shall return the ballot to the executive officer/designee by the date specified in the voting instructions, which date shall be at least 30 days from the date on which the executive officer/designee mailed the ballot to the eligible district.
- 3) The call for nominations, ballot, and voting instructions shall be delivered by certified mail to each eligible district. As an alternative to the delivery by certified mail, the executive officer/designee, with prior concurrence of the presiding officer or his or her alternate as designated by the governing body, may transmit materials by electronic mail.
- 4) If the executive officer/designee has transmitted the call for nominations or ballot by electronic mail, the presiding officer, or his or her alternate as designated by the governing body, may respond to the executive officer/designee by electronic mail.



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- 5) Each returned nomination and ballot shall be signed by the presiding officer or his or her alternate as designated by the governing body of the eligible district.
- 6) For an election to be valid, at least a quorum of the special districts must submit valid ballots. The candidate receiving the most votes shall be elected, unless another procedure has been adopted by the selection committee. Any nomination and ballot received by the executive officer/designee after the date specified is invalid, provided, however, that if a quorum of ballots is not received by that date, the executive officer/designee shall extend the date to submit ballots by 60 days and notify all districts of the extension. The executive officer/designee shall announce the results of the election within seven days of the date specified.
 - o A quorum is the majority of members representing eligible districts (Government Code Section 56332(a))
- 7) All election materials shall be retained by the executive officer/designee for a period of at least six months after the announcement of the election results

Eligibility Requirements

Members appointed by the independent special district selection committee shall be elected or appointed members of the legislative body of an independent special district residing within the county but shall not be members of the legislative body of a city or county (Government Code Section 56332(c)).

- Special district appointees to current individual oversight boards (pre consolidation into countywide oversight boards) are not restricted to members of the legislative body of the district.

There is no clear indication that the members appointed by the selection committee must be located in a former RDA. However, it could be implied by Health and Safety Code Section 34179(j)(3).

- Current individual oversight boards (prior to consolidation into countywide oversight boards) limit eligibility to special districts that have territory in the territorial jurisdiction of the former RDA and are eligible to receive property tax residual from the RPTTF: "One member appointed by the largest special district, by property tax share, with territory in the territorial jurisdiction of the former redevelopment agency, which is of the type of special district that is eligible to receive property tax revenues pursuant to Section 34188" (Health and Safety Code Section 34179(a)(3)(A)).

Based on Health and Safety Code Section 34179(j)(3), the committee should appoint a representative from a special district that receives property tax residual from the Redevelopment Property Tax Trust Fund (RPTTF).

- Health and Safety Code Section 34179(j)(3) reads in full: "One member may be appointed by the independent special district selection committee established pursuant to Section 56332 of the Government Code, for the types of special districts that are eligible to receive property tax revenues pursuant to Section 34188."

Deadlines and Vacancies

If no one is appointed by July 15, 2018, the governor may appoint an individual on behalf of the Independent Special District Selection Committee. The governor may also appoint individuals for any member position that remains vacant for more than 60 days (Health and Safety Code Section 34179(k)).



Notification Requirements

Health and Safety Code Section 34179(j) does not include notification requirements of the selected special district appointee. However, the current individual oversight boards (prior to consolidation into countywide oversight boards) were required to elect one of their members as the chairperson and report the name of the chairperson and other members to the Department of Finance (Health and Safety Code Section 34179(a)). Additionally, the LAFCo Executive Officer/Designee must announce the results of an Independent Special District Selection Committee election within seven days (Government Code Section 56332(f)(6)).

Counties with Only One Individual Oversight Board

In each county where only one individual RDA oversight board exists, as of July 1, 2018, there will be no consolidation into a countywide oversight board and no change to the composition of the existing oversight board (Health and Safety Code Section 34179(l)).

Counties with 40 or More Individual Oversight Boards

In each county where 40 or more individual oversight boards exist (Los Angeles County), as of July 1, 2018, there will be a consolidation into five oversight boards. The special district membership of each oversight board shall be selected as outlined in Health and Safety Code Section 34179(j)(3) via the Independent Special District Selection Committee process (Health and Safety Code Section 34179(q)(1)).

The consolidated oversight boards in this county shall be numbered one through five, and their respective jurisdictions shall encompass the territory located within the respective borders of the first through fifth county board of supervisors districts, as those borders existed on July 1, 2018. Each oversight board shall have jurisdiction over each successor agency located within its borders (Health and Safety Code Section 34179(q)(2)).

- If a successor agency has territory located within more than one county board of supervisors' district, the county board of supervisors shall, no later than July 15, 2018, determine which oversight board shall have jurisdiction over that successor agency. The county board of supervisors or their designee shall report this information to the successor agency and the department by the aforementioned date (Health and Safety Code Section 34179(q)(3)).

Health and Safety Code Section 34179(q) does not specify if the city and special district appointees must be from an agency located in the respective supervisorial seat.

POTENTIAL QUESTIONS

What if my county does not currently have an Independent Special District Selection Committee?

In the case where more than one successor agency exists within the county, an Independent Special District Selection Committee shall be created pursuant to Government Code Section 56332. Each independent special district shall appoint a member representative to the committee and notify the LAFCo of the appointed member. The LAFCo shall then call and conduct a meeting of the committee, pursuant to Section 56332, for purposes of appointing a representative to the countywide RDA oversight board.



Does the Independent Special District Selection Committee also select an alternate, as it does with LAFCo commissioners? How should a vacancy be addressed?

The strictest interpretation of the statute only authorizes the appointment of one person, but a reasonable argument can be made for the appointment of an alternate. The Legislature expressly incorporated Government Code Section 56332 without elaboration, and that section allows for alternates.

Health and Safety Code Section 34179 does not mention alternates for the countywide oversight boards, but does allow each appointing authority to appoint an alternate for the current individual oversight boards (prior to the consolidation into a countywide oversight board) (Health and Safety Code Section 34179(a)(11)). The selection process outlined in Government Code Section 56332(c) includes the selection of an alternate for the commission.

To resolve any ambiguity, the Independent Special District Selection Committee may choose to adopt local policies, pursuant to its authority in Government Code section 56332, expressly authorizing the appointment of an alternate.

If the LAFCo Executive Officer/Designee anticipates a vacancy will occur – or if an actual vacancy occurs – an election may be held for a representative to the countywide oversight board (Government Code section 56332(b)).

What is the term of an appointment to the countywide RDA oversight board?

Nothing in Health and Safety Code Section 34179 describes terms for members of the oversight board. Rather, Section 34179(g) provides that "Each member of an oversight board shall serve at the pleasure of the entity that appointed such member."

Can an appointee be replaced mid-term?

Yes; nothing in Health and Safety Code Section 34179 describes terms for members of the oversight board. Rather, Section 34179(g) provides that "Each member of an oversight board shall serve at the pleasure of the entity that appointed such member."

Can the Independent Special District Selection Committee replace a special district representative appointed by the governor due to a vacancy?

While not clearly outlined within the relevant statutes, the intent of having locally appointed representatives on the oversight board is undermined if the law is interpreted such that seats could become, essentially, permanent representatives of the governor.

That being said, Independent Special District Selection Committees are strongly encouraged to appoint a representative no later than July 15, 2018, and within 60 days of any vacancy thereafter, in order to avoid this potential question.

What should a LAFCo do where the law is not explicit as to the process for appointments to the countywide RDA oversight board?

LAFCos should adopt local commission policies. Government Code Section 56300 allows LAFCos to adopt local policies either to clarify requirements or specify how a LAFCo will implement State law taking into account the local conditions. Case law has also indicated that these policies are allowed so long as they are not in conflict with State law.



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For example, Government Code 56325(d) indicates that, notwithstanding any other provision of the Cortese-Knox-Hertzberg Act, each LAFCo can appoint one member and one alternate member who represents the public at large. The same section goes on to specify that the appointment of the public and alternate members must be subject to an affirmative vote of at least one of the members from the other appointed authorities; and it also specifies the noticing requirements to announce the vacancy in this position. Section 56325(d) does not contain any direction for the process of appointing public members, nor does it have an indication of the vetting process for candidates eligible to be appointed to this position. With this unclear in the law, some LAFCos have adopted policies to clarify and indicate the basic appointment process.

LAFCos may establish local policies for appointing special district representatives to the countywide RDA oversight board, so long as they are not in conflict with State law.

DEFINITIONS

Taxing entities

Cities, counties, a city and county, special districts, and school entities, as defined in subdivision (f) of Section 95 of the Revenue and Taxation Code, that receive passthrough payments and distributions of property taxes pursuant to the provisions of this part (Health and Safety Code Section 34171(k)).

Executive officer

The executive officer or designee as authorized by the Local Agency Formation Commission (Government Code Section 56332(g)).



APPENDIX

HEALTH AND SAFETY CODE

DIVISION 24. COMMUNITY DEVELOPMENT AND HOUSING [33000 - 37964] (*Heading of Division 24 amended by Stats. 1975, Ch. 1137.*)

PART 1.85. DISSOLUTION OF REDEVELOPMENT AGENCIES AND DESIGNATION OF SUCCESSOR AGENCIES [34170 - 34191.6] (*Part 1.85 added by Stats. 2011, 1st Ex. Sess., Ch. 5, Sec. 7.*)

CHAPTER 4. Oversight Boards [34179 - 34181] (*Chapter 4 added by Stats. 2011, 1st Ex. Sess., Ch. 5, Sec. 7.*)

34179. (a) Each successor agency shall have an oversight board composed of seven members. The members shall elect one of their members as the chairperson and shall report the name of the chairperson and other members to the Department of Finance on or before May 1, 2012. Members shall be selected as follows:

- (1) One member appointed by the county board of supervisors.
- (2) One member appointed by the mayor for the city that formed the redevelopment agency.
- (3) (A) One member appointed by the largest special district, by property tax share, with territory in the territorial jurisdiction of the former redevelopment agency, which is of the type of special district that is eligible to receive property tax revenues pursuant to Section 34188.
(B) On or after the effective date of this subparagraph, the county auditor-controller may determine which is the largest special district for purposes of this section.
- (4) One member appointed by the county superintendent of education to represent schools if the superintendent is elected. If the county superintendent of education is appointed, then the appointment made pursuant to this paragraph shall be made by the county board of education.
- (5) One member appointed by the Chancellor of the California Community Colleges to represent community college districts in the county.
- (6) One member of the public appointed by the county board of supervisors.
- (7) One member representing the employees of the former redevelopment agency appointed by the mayor or chair of the board of supervisors, as the case may be, from the recognized employee organization representing the largest number of former redevelopment agency employees employed by the successor agency at that time. In the case where city or county employees performed administrative duties of the former redevelopment agency, the appointment shall be made from the recognized employee organization representing those employees. If a recognized employee organization does not exist for either the employees of the former redevelopment agency or the city or county employees performing administrative duties of the former redevelopment agency, the appointment shall be made from among the employees of the successor agency. In voting to approve a contract as an enforceable obligation, a member appointed pursuant to this paragraph shall not be deemed to be interested in the contract by virtue of being an employee of the successor agency or community for purposes of Section 1090 of the Government Code.
- (8) If the county or a joint powers agency formed the redevelopment agency, then the largest city by acreage in the territorial jurisdiction of the former redevelopment agency may select one member. If there are no cities with territory in a project area of the redevelopment agency, the county superintendent of education may appoint an additional member to represent the public.
- (9) If there are no special districts of the type that are eligible to receive property tax pursuant to Section 34188, within the territorial jurisdiction of the former redevelopment agency, then the county may appoint one member to represent the public.



(10) If a redevelopment agency was formed by an entity that is both a charter city and a county, the oversight board shall be composed of seven members selected as follows: three members appointed by the mayor of the city, if that appointment is subject to confirmation by the county board of supervisors, one member appointed by the largest special district, by property tax share, with territory in the territorial jurisdiction of the former redevelopment agency, which is the type of special district that is eligible to receive property tax revenues pursuant to Section 34188, one member appointed by the county superintendent of education to represent schools, one member appointed by the Chancellor of the California Community Colleges to represent community college districts, and one member representing employees of the former redevelopment agency appointed by the mayor of the city if that appointment is subject to confirmation by the county board of supervisors, to represent the largest number of former redevelopment agency employees employed by the successor agency at that time.

(11) Each appointing authority identified in this subdivision may, but is not required to, appoint alternate representatives to serve on the oversight board as may be necessary to attend any meeting of the oversight board in the event that the appointing authority's primary representative is unable to attend any meeting for any reason. If an alternate representative attends any meeting in place of the primary representative, the alternate representative shall have the same participatory and voting rights as all other attending members of the oversight board.

(b) The governor may appoint individuals to fill any oversight board member position described in subdivision (a) that has not been filled by May 15, 2012, or any member position that remains vacant for more than 60 days.

(c) The oversight board may direct the staff of the successor agency to perform work in furtherance of the oversight board's and the successor agency's duties and responsibilities under this part. The successor agency shall pay for all of the costs of meetings of the oversight board and may include such costs in its administrative budget. Oversight board members shall serve without compensation or reimbursement for expenses.

(d) Oversight board members are protected by the immunities applicable to public entities and public employees governed by Part 1 (commencing with Section 810) and Part 2 (commencing with Section 814) of Division 3.6 of Title 1 of the Government Code.

(e) A majority of the total membership of the oversight board shall constitute a quorum for the transaction of business. A majority vote of the total membership of the oversight board is required for the oversight board to take action. The oversight board shall be deemed to be a local entity for purposes of the Ralph M. Brown Act, the California Public Records Act, and the Political Reform Act of 1974. All actions taken by the oversight board shall be adopted by resolution.

(f) All notices required by law for proposed oversight board actions shall also be posted on the successor agency's Internet Web site or the oversight board's Internet Web site.

(g) Each member of an oversight board shall serve at the pleasure of the entity that appointed such member.

(h) (1) The department may review an oversight board action taken pursuant to this part. Written notice and information about all actions taken by an oversight board shall be provided to the department as an approved resolution by electronic means and in a manner of the department's choosing. Without abrogating the department's authority to review all matters related to the Recognized Obligation Payment Schedule pursuant to Section 34177, oversight boards are not required to submit the following oversight board actions for department approval:

(A) Meeting minutes and agendas.

(B) Administrative budgets.

(C) Changes in oversight board members, or the selection of an oversight board chair or vice chair.

(D) Transfers of governmental property pursuant to an approved long-range property management plan.



(E) Transfers of property to be retained by the sponsoring entity for future development pursuant to an approved long-range property management plan.

(2) An oversight board action submitted in a manner specified by the department shall become effective five business days after submission, unless the department requests a review of the action. Each oversight board shall designate an official to whom the department may make those requests and who shall provide the department with the telephone number and e-mail contact information for the purpose of communicating with the department pursuant to this subdivision. Except as otherwise provided in this part, in the event that the department requests a review of a given oversight board action, it shall have 40 days from the date of its request to approve the oversight board action or return it to the oversight board for reconsideration and the oversight board action shall not be effective until approved by the department. In the event that the department returns the oversight board action to the oversight board for reconsideration, the oversight board shall resubmit the modified action for department approval and the modified oversight board action shall not become effective until approved by the department. If the department reviews a Recognized Obligation Payment Schedule, the department may eliminate or modify any item on that schedule prior to its approval. The county auditor-controller shall reflect the actions of the department in determining the amount of property tax revenues to allocate to the successor agency. The department shall provide notice to the successor agency and the county auditor-controller as to the reasons for its actions. To the extent that an oversight board continues to dispute a determination with the department, one or more future Recognized Obligation Payment Schedules may reflect any resolution of that dispute. The department may also agree to an amendment to a Recognized Obligation Payment Schedule to reflect a resolution of a disputed item; however, this shall not affect a past allocation of property tax or create a liability for any affected taxing entity.

(i) Oversight boards shall have fiduciary responsibilities to holders of enforceable obligations and the taxing entities that benefit from distributions of property tax and other revenues pursuant to Section 34188. Further, the provisions of Division 4 (commencing with Section 1000) of the Government Code shall apply to oversight boards. Notwithstanding Section 1099 of the Government Code, or any other law, any individual may simultaneously be appointed to up to five oversight boards and may hold an office in a city, county, city and county, special district, school district, or community college district.

(j) Except as specified in subdivision (q), commencing on and after July 1, 2018, in each county where more than one oversight board was created by operation of the act adding this part, there shall be only one oversight board, which shall be staffed by the county auditor-controller, by another county entity selected by the county auditor-controller, or by a city within the county that the county auditor-controller may select after consulting with the department. Pursuant to Section 34183, the county auditor-controller may recover directly from the Redevelopment Property Tax Trust Fund, and distribute to the appropriate city or county entity, reimbursement for all costs incurred by it or by the city or county pursuant to this subdivision, which shall include any associated startup costs. However, if only one successor agency exists within the county, the county auditor-controller may designate the successor agency to staff the oversight board. The oversight board is appointed as follows:

(1) One member may be appointed by the county board of supervisors.

(2) One member may be appointed by the city selection committee established pursuant to Section 50270 of the Government Code. In a city and county, the mayor may appoint one member.

(3) One member may be appointed by the independent special district selection committee established pursuant to Section 56332 of the Government Code, for the types of special districts that are eligible to receive property tax revenues pursuant to Section 34188.

(4) One member may be appointed by the county superintendent of education to represent schools if the superintendent is elected. If the county superintendent of education is appointed, then the appointment made pursuant to this paragraph shall be made by the county board of education.

(5) One member may be appointed by the Chancellor of the California Community Colleges to represent community college districts in the county.

(6) One member of the public may be appointed by the county board of supervisors.



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(7) One member may be appointed by the recognized employee organization representing the largest number of successor agency employees in the county.

(k) The governor may appoint individuals to fill any oversight board member position described in subdivision (j) that has not been filled by July 15, 2018, or any member position that remains vacant for more than 60 days.

(l) Commencing on and after July 1, 2018, in each county where only one oversight board was created by operation of the act adding this part, then there will be no change to the composition of that oversight board as a result of the operation of subdivision (j).

(m) Any oversight board for a given successor agency, with the exception of countywide oversight boards, shall cease to exist when the successor agency has been formally dissolved pursuant to Section 34187. A county oversight board shall cease to exist when all successor agencies subject to its oversight have been formally dissolved pursuant to Section 34187.

(n) An oversight board may direct a successor agency to provide additional legal or financial advice than what was given by agency staff.

(o) An oversight board is authorized to contract with the county or other public or private agencies for administrative support.

(p) On matters within the purview of the oversight board, decisions made by the oversight board supersede those made by the successor agency or the staff of the successor agency.

(q) (1) Commencing on and after July 1, 2018, in each county where more than 40 oversight boards were created by operation of the act adding this part, there shall be five oversight boards, which shall each be staffed in the same manner as specified in subdivision (j). The membership of each oversight board shall be as specified in paragraphs (1) through (7), inclusive, of subdivision (j).

(2) The oversight boards shall be numbered one through five, and their respective jurisdictions shall encompass the territory located within the respective borders of the first through fifth county board of supervisors districts, as those borders existed on July 1, 2018. Except as specified in paragraph (3), each oversight board shall have jurisdiction over each successor agency located within its borders.

(3) If a successor agency has territory located within more than one county board of supervisors' district, the county board of supervisors shall, no later than July 15, 2018, determine which oversight board shall have jurisdiction over that successor agency. The county board of supervisors or their designee shall report this information to the successor agency and the department by the aforementioned date.

(4) The successor agency to the former redevelopment agency created by a county where more than 40 oversight boards were created by operation of the act adding this part, shall be under the jurisdiction of the oversight board with the fewest successor agencies under its jurisdiction.

(Amended by Stats. 2015, Ch. 325, Sec. 11. Effective September 22, 2015.)



October 10, 2017

TO: Presiding Officers, Independent Special Districts of Orange County

DEREK J. MCGREGOR
Representative of
General Public

Subject: Start of Nomination Period for Redevelopment Agency Oversight Board Appointment- County of Orange

DR. ALLAN BERNSTEIN
Councilmember
City of Tustin

LISA BARTLETT
Supervisor
5th District

As a follow-up to my September 21, 2017 letter regarding the election process for the appointment of the special district member to the new county-wide Orange County Redevelopment Agency Oversight Board ("RDA Board"), this memorandum is to inform you of the start of the nomination period for this appointment (**Tuesday, October 10, 2017**).

CHERYL BROTHERS
Councilmember
City of Fountain Valley

TODD SPITZER
Supervisor
3rd District

The election process for special district seats are governed by Government Code Section 56332 and the Independent Special Districts Selection Committee Bylaws. To participate in the process, both, the attached Declaration of Qualification to Vote and the Nomination Form (if your District is nominating a candidate) must be submitted to LAFCO by **November 10, 2017**. The nomination and election by mail process will be conducted pursuant to the following schedule:

CHARLEY WILSON
Director
Santa Margarita Water District

JOHN WITHERS
Director
Irvine Ranch Water District

WENDY BUCKNUM
Councilmember
City of Mission Viejo

DATE	EVENT
Tuesday, October 10, 2017	Nomination Period Begins: LAFCO Executive Officer emails notification letters with nomination form and Declaration of Qualification to Vote to independent special district presiding officers and general managers.
November 10, 2017 (3 PM)	Nomination Period Ends: Deadline for submitting nominations and Declaration of Qualification to Vote for RDA Oversight Board to LAFCO by 3:00 p.m.*
November 13, 2017	Voting Period Begins: Ballots emailed to all special district presiding officers/designees and general managers.
December 18, 2017 (3 PM)	Voting Period Ends: Ballots due to LAFCO by 3:00 p.m.
December 19, 2017	Ballots Counted: LAFCO staff tabulates ballots and announces results.
* Pursuant to Government Code §56332 (f)(2), if only one candidate is nominated for a vacant seat, that candidate shall be deemed selected, with no further proceedings.	

JAMES FISLER
Director
Mesa Water District

LOU PENROSE
Representative of
General Public

MICHELLE STEEL
Supervisor
2nd District

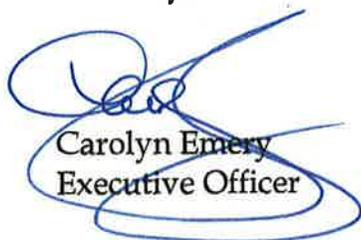
CAROLYN EMERY
Executive Officer

With respect to potential nominations, please note the following:

- To be eligible for a position, the nominee must be "elected or appointed to your district," for a fixed term.
- Individuals eligible for these positions must be "members of the legislative body of an independent special district...but shall not be members of the legislative body of a city or county" (Government Code Section 56332(c). For example, a city council member serving as a board-member of a vector control district is ineligible.
- Nominations must be made at a meeting of the governing board of the nominee's corresponding special district during the nominations period.
- Health and Safety Code Section 34179(j)(3) reads in full: "One member may be appointed by the independent special district selection committee established pursuant to Section 56332 of the Government Code, for the types of special districts that are eligible to receive property tax revenues pursuant to Section 34188."
- All completed nominations forms and any supplemental information must be received by LAFCO by the close of the nomination period, which is **3:00 p.m. on Friday, November 10, 2017**. Nominations may be delivered by email at cemery@oclafco.org, U.S. Mail, or by fax to (714) 640-5139.

Should you have any questions regarding the election process, please contact me or our Commission Clerk, Cheryl-Carter Benjamin at (714) 640-5100.

Sincerely,



Carolyn Emery
Executive Officer

Attachments: Declaration of Qualification to Vote
2017 Nomination Form

cc: Eric Woolery, Orange County Auditor-Controller
Independent Special District General Managers

DECLARATION OF QUALIFICATION TO VOTE

Doug Reinhart, Presiding Officer
Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, CA 92618-3102
boardmail@irwd.com

I, _____,* hereby attest that
_____**has been authorized by the Board of
_____to vote in the Orange County Special
District Selection Committee election.

The Board also designated _____***as the alternate
voting member.

Name and Title*: _____

Signature*: _____

Date: _____

**Must be signed by either Board President or Board Secretary*

*** Must be a member of the Board*

****Must be a member of the Board*

Completed forms must be received by LAFCO by 3 PM, Tuesday, November 10, 2017. Forms must be delivered to Orange County LAFCO by:

- (1) Email at: cemery@oclafco.org, or
- (2) Mail at: Orange County LAFCO
2677 North Main Street, Suite 1050
Santa Ana, CA 92705
Attn: Carolyn Emery, or
- (3) FAX at: (714) 640-5139, Attn: Carolyn Emery

2017 NOMINATION FORM

Candidate for the Redevelopment Agency Oversight Board Appointment

**CANDIDATE INFORMATION FOR REDEVELOPMENT AGENCY OVERSIGHT BOARD
MEMBER:**

NAME: _____

TITLE: _____

DISTRICT: _____

Check box if resume or statement of qualifications is attached.

SPECIAL DISTRICT SELECTION COMMITTEE MEMBER SUBMITTING NOMINATION
(Must be the presiding officer or a designated alternate board member.)

NAME: _____ DATE: _____

SIGNATURE: _____

TITLE: _____

DISTRICT: _____

A resume or other supplemental information about the candidate may be included and will be distributed with the election ballots. All completed nomination forms and any supplemental information must be returned to Orange County LAFCO by:

1. Email at: cemery@oclafco.org or
2. Mail at: Orange County LAFCO
2677 North Main Street, Suite 1050
Santa Ana, CA 92705; or
3. Fax at: (714) 640-5139, Attn: Carolyn Emery

All forms and supplemental information must be received by LAFCO by 3:00 p.m. on Tuesday, November 10, 2017. Nomination forms or candidate information received after that deadline will not be considered.

October 23, 2017

Prepared by: C. Kessler/K. Lew

Submitted by: K. Burton *KLB*

Approved by: Paul A. Cook *[Signature]*

ACTION CALENDAR

ORANGE PARK ACRES SEWER SERVICE AGREEMENT AMENDMENT

SUMMARY

Due to low customer support for a community-wide sewer system in Orange Park Acres (OPA), staff recommends that the Board approve a revised Addendum No. 9 to the Application for Service and Agreement with the Irvine Ranch Water District for sewer service within Orange Park Acres (Improvement District 256).

BACKGROUND:

IRWD and the Orange Park Acres Mutual Water Company consolidated in June 2008. As a part of the consolidation, IRWD committed to investigate the feasibility of a community-wide sewer system. In October 2009, Stantec Consulting prepared a Sub Area Master Plan (SAMP) that outlined a back-bone sewer system suitable to serve the OPA community and identified the costs associated with the design and construction of that system.

In February 2011, the Board approved a resolution that established sewer connection fees in OPA to facilitate customers seeking immediate sewer service. The purpose of setting sewer connection fees for OPA was to establish a fee for individual homeowners who were interested in connecting to the existing public sewer system in advance of the proposed community-wide sewer system and to provide them with a cost basis for a sewer connection fee that could be compared to the cost obligation for a proposed General Obligation (G.O.) bond to construct a community sewer system as documented in the OPA SAMP. In addition, staff recommended offering customers an option of deferring payment of the connection fees given the unique situation of a potential bond authorization within the following year or two. Due to low support for a community-wide sewer system, the bond measure never progressed to a community vote and the proposed sewer system was placed on hold.

Since establishment of the 2011 connection fee, only nine customers of OPA paid sewer connection fees and connected to the sewer. With no community sewer system funding mechanism in place, staff concluded that a new approach to sewer construction in OPA was necessary. Therefore, in June 2017, the Board approved a reduction to the sewer connection fees for OPA from \$24,500 to \$5,900. This new approach to OPA sewer connection eliminated any design and construction components of the 2011 connection fee and passed any design and construction costs to the customer(s) proposing construction of new sewer mains. The current connection fee of \$5,900 represents full buy-in into the OCSD capital outlay. The District is currently processing refunds to the nine customers for any sewer connection fees paid in excess of the current \$5,900 connection fee.

With this new approach, customers will now be required to build and donate proposed sewer mains to IRWD and seek reimbursement from their neighbors if they connect. Future customers that benefit from a customer-funded sewer project will be required to reimburse fair-share

construction costs to the customer who funded the project in addition to the standard \$5,900 IRWD connection fee prior to execution of the Application for Service and Agreement with the District.

Reimbursement agreements will identify parcels that could benefit by connecting to the proposed sewer main. If a customer whose parcel is listed within the reimbursement agreement proposes to connect to the sewer main, IRWD would collect fair-share construction costs as defined in the reimbursement agreement on behalf of the customer who funded the project prior to approving the connection. Specific terms of these types of reimbursement agreements will be brought to the Board as needed.

Staff proposes several revisions to Addendum No. 9 of the Application for Service and Agreement, included as Exhibit "A". The following summarized revisions reflect this new approach to the sewer connections within OPA:

- Removed references to G.O. bond measures;
- Removed connection fee deferment and loan option; and
- Revised language relating to reimbursement agreements.

Addendum No. 9 to the Agreement has been reviewed by legal counsel.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD APPROVE A REVISED ADDENDUM NO. 9 TO THE APPLICATION FOR SERVICE AND AGREEMENT WITH THE IRVINE RANCH WATER DISTRICT FOR SEWER SERVICE WITHIN ORANGE PARK ACRES (IMPROVEMENT DISTRICT 256).

LIST OF EXHIBITS:

Exhibit "A" – Addendum No. 9 to Application for Service and Agreement with IRWD for Sewer Service – Improvement District No. 256 Orange Park Acres

EXHIBIT "A"

DATE: XXXX
W.O.: Oracle PR XXXX
TRACT: Ref. Code XXXX
I/D #: OPA ID 256

ADDENDUM NO. 9
TO
APPLICATION FOR SERVICE AND AGREEMENT WITH
IRVINE RANCH WATER DISTRICT
SEWER SERVICE - ID NO. 256 (ORANGE PARK ACRES)

1. Sewer main extension. Check applicable paragraph(s):
 - No reimbursable District sewer main extensions will be used or constructed by Applicant. Checking this box will not change the sewer connection fee specified in Exhibit "A."
 - Applicant's Property is to be connected to an existing sewer located at [*insert location] _____ . This existing sewer or a portion thereof was previously installed under the terms of a reimbursement agreement between the District and another District customer. Applicant acknowledges and agrees that as a condition of connection, standard sewer connection fees and fair share of the construction costs as set forth under the terms of the reimbursement agreement will be paid to the District by the Applicant. The District will then reimburse collected construction costs to the party entitled to receive such amount under the applicable reimbursement agreement. Checking this box will not change the sewer connection fee specified in Exhibit "A."
 - Applicant's sewer service will require the construction by Applicant of a reimbursable District sewer main extension. Concurrent with or prior to this Application, Applicant and District are entering into/have entered into a reimbursement agreement containing provisions regarding Applicant's design and construction of the Facilities, as defined therein, and the circumstances under which Applicant shall be entitled to reimbursement. Execution of a reimbursement agreement does not release Applicant from their obligation to pay the sewer connection fee. Checking this box will not change the sewer connection fee specified in Exhibit "A."
2. Applicant will be responsible for paying all of Applicant's on-site costs for connection to the District sewer, including lateral piping, abandonment of septic systems, and any other facilities and costs to connect Applicant's Property to District's public system as defined in the Rules and Regulations. The sewer connection fee does not cover any of these on-site costs, and District will not reimburse any on-site costs.
3. This Addendum has no effect on water service to Applicant. If Applicant's Property does not currently have water service, the Application includes separate provisions concerning water service.

October 23, 2017

Prepared by: W. Stewart

Submitted by: K. Burton *KRB*

Approved by: Paul A. Cook *Paul A. Cook*

ACTION CALENDAR

MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY RECOVERY FACILITIES CONTRACT CHANGE ORDERS NO. 64 AND NO. 65

SUMMARY:

Filanc/Balfour-Beatty (FBB) is constructing the Michelson Water Recycling Plant (MWRP) Biosolids and Energy Recovery Facilities (Biosolids Project). Contract Change Order (CCO) No. 64 includes costs for several structural, electrical, instrumentation, and controls items. CCO No. 65 includes mechanical, electrical, and instrumentation changes. Staff recommends that the Board:

- Approve CCO No. 64 in the amount of \$231,100.22 with FBB; and
- Approve CCO No. 65 in the amount of \$149,591.14 with FBB.

BACKGROUND:

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

CCO No. 64:

Staff negotiated with FBB and agrees to the labor and material costs contained in CCO No. 64, in the amount of \$231,100.22, which contains the following items:

- *Modifications to Centrate Treatment Facility Stairs in the amount of \$9,758.16* – Staff determined that the stairs on the east side of the Centrate Treatment Facility would not allow proper surface drainage based on the surrounding grade. This item is for the labor, materials, and equipment to place the stair landing at a higher elevation allowing for proper drainage.
- *Modifications to Ductwork in the Solids Handling Building in the amount of \$9,537.05* – The alignment of ductwork was modified due to a conflict with the odor control piping. To resolve the conflict, the ductwork was lowered six inches. This item is for the labor and materials to make the modifications.

- *Electrical Conduits and Wires for Additional Bridge Breakers for Cake Receiving Pumps in the amount of \$21,678.83* – Following the recommendation of the manufacturer of the cake receiving pumps, staff agreed to add two bridge breakers that will break up the biosolids cake as it travels on conveyors to the heat dryer system. Electrical conduits and wires are required to power the bridge breakers. This item is for the labor and material costs of the electrical conduits and wires for the additional bridge breakers.
- *Handrail Modifications at the Methane Digesters in the amount of \$22,154.53* – Due to headroom limitations, the access ladders to the bottom of each digester required relocation, and were addressed in all three methane digesters. This item is for the labor and materials to make the modifications.
- *Electrical and Instrumentation Related Components for the Installation of the Thin Client at Dryer Facility in the amount of \$53,090.84* – Change Order No. 55 was approved to add a thin client in the pellet load-out bay of the Solids Handling Building for better and more efficient operation of the dryer facility. This item is for the labor and materials related to installing the electrical and instrumentation components of the thin client.
- *Electrical Modifications at the Motor Control Centers for the Acid Phase Sludge Heating Recirculation Pumps in the amount of \$47,611.11* – For equipment protection, a temperature controller connected to a thermocouple monitors the stator temperature of each acid phase sludge heating recirculation pump. Review of the Contract Documents indicate that there were no provisions at the motor control center for the high stator temperature fault. This item is for the labor and materials to make the modifications.
- *FOG Receiving Pumps Thermocouple and Thermostat Wiring in the amount of \$37,826.58* – The Contract Documents do not show the required wiring for the temperature controller and thermostat for the FOG receiving pumps. This item is for the labor and material costs to install the wires.
- *SCADA Programming Changes in the amount of \$23,694.13* – For better monitoring and operation, staff decided to make several SCADA programming changes. These changes include an update to alarm dialer template and the addition of an alarm at the thickened sludge wetwell to alert the operator of a possible blockage in the piping. Also, the addition of a manual override feature for the polymer feed valves will allow the operator to use the valve in manual without impacting the automation for the rest of the process. Lastly, the open/close status of an isolation valve between the two cells of the thickened sludge wetwells was updated to provide better monitoring. This item is for the labor to make these programming changes.
- *Change of Limit Switches for Buried Service in the amount of \$5,748.99* – It was discovered that the specified limit switches for three valves servicing the Centrate Treatment were not designed for buried service. This item is for the labor and materials to install the correct limit switches.

Staff recommends that the Board approve CCO No. 64 in the amount of \$231,100.22, which is attached as Exhibit "A". Items that do not claim or grant additional time are considered full compensation for those items. If items require additional time, the items included in this change order are full compensation except for time impacts. The Contractor reserves the right to claim time impacts, but the Contractor must show any time impacts to the project's critical path and how IRWD is responsible for these time impacts. Resolution of these time impacts is scheduled for a later date. CCO No. 64 does not extend any of the milestone completion dates.

CCO No. 65:

The negotiation of CCOs sometimes require an extended period of time to fully agree on the changes, costs, and submission for approval. This extended period of time may adversely impact the cash flow of the contractor, its subcontractors, and suppliers. As an act of good faith, staff is submitting the following items as CCO No. 65. The amounts related to CCO No. 65 are amounts that staff agree to. When staff and FBB agree to a final CCO amount, any cost difference reflected in CCO No. 65 and the final agreed upon amount will be accounted for in a subsequent CCO.

CCO No. 65, in the amount of \$149,591.14, includes:

- *Additional Conduits and Wires for the Engine Generator, Switchgear-16, and Switchgear-16 Programmable Logic Controller (PLC) in the amount of \$100,000* – Additional conduits and wires are required to connect the engine generator, Switchgear-16 and Switchgear-16 PLC. The additional conduits and wires were not anticipated during design. This item is for the labor and materials to install these additional conduits and wires.
- *Modifications to Spirac Conveyor in the Solids Handling Building in the amount of \$13,641.00* – There was a conflict between the conveyor and the structural steel on the second floor in the Solids Handling Building. This item is for the labor and materials to make the modifications.
- *Additional Metal Bridge Walkway Structural Support Angles in the amount of \$35,950.14* – Additional structural angles were required for support of the metal bridge walkway between the Digester Control Building and the Methane Digesters. This item is for the labor and materials to install the support angles.

Staff recommends that the Board approve CCO No. 65 in the amount of \$149,591.14, which is attached as Exhibit "B". The construction change order summary is attached as Exhibit "C".

FISCAL IMPACTS:

The MWRP Biosolids and Energy Recovery Facilities Project 04286 is included in the FY 2017-18 Capital Budget. The existing budget is sufficient to fund the change orders. Staff will submit a capital budget increase to the Board in November 2017.

Action Calendar: Michelson Water Recycling Plant Biosolids and Energy Recovery Facilities
Contract Change Orders No. 64 and No. 65
October 23, 2017
Page 4

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD APPROVE CONTRACT CHANGE ORDER NO. 64 IN THE AMOUNT OF \$231,100.22 WITH FILANC/BALFOUR BEATTY FOR STRUCTURAL, ELECTRICAL, INSTRUMENTATION, AND CONTROLS MODIFICATIONS; AND APPROVE CONTRACT CHANGE ORDER NO. 65 IN THE AMOUNT OF \$149,591.14 WITH FILANC/BALFOUR BEATTY FOR MECHANICAL, ELECTRICAL, AND INSTRUMENTATION CHANGES FOR THE MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY RECOVERY FACILITIES, PROJECT 04286.

LIST OF EXHIBITS:

Exhibit "A" – Contract Change Order No. 64 with FBB
Exhibit "B" – Contract Change Order No. 65 with FBB
Exhibit "C" – Construction Change Order Summary

CONTRACT CHANGE ORDER

EXHIBIT "A"



Irvine Ranch Water District

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

C.O. No. 64

Final

Project No. 04286

MWRP Biosolids and Energy Recovery Facilities

Project Title

Date: 10/02/2017

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
1. Modifications to Centrate Treatment Facility Stairs (CR-379) PR 04286 Task 5.29	\$9,758.16	\$0.00	See Notes
2. Modifications to Ductwork in Solids Handling Building (CR-401) PR 04286 Task 5.31	\$9,537.05	\$0.00	See Notes
3. Electrical Conduits and Wires for Additional Bridge Breakers for Cake Receiving Pumps (CR-416) PR 04286 Task 5.30	\$21,678.83	\$0.00	See Notes
4. Handrail Modifications at the Methane Digesters (CR-472) PR 04286 Task 5.29	\$22,154.53	\$0.00	See Notes
5. Electrical and Instrumentation Related Components for the Installation of Thin Client at Dryer Facility (CR-485B) PR 04286 Task 5.30	\$53,090.84	\$0.00	See Notes
6. Electrical Modifications at the Motor Control Centers for the Acid Phase Sludge Heating Recirculation Pumps (CR-517) PR 04286 Task 5.30	\$47,611.11	\$0.00	See Notes
7. FOG Receiving Pumps Thermocouple and Thermostat Wiring (CR-525) PR 04286 Task 5.30	\$37,826.58	\$0.00	See Notes
8. SCADA Programming Changes (CR-537/570/573/573A) PR 04286 Task 5.30	\$23,694.13	\$0.00	See Notes
9. Change of Limit Switches for Buried Service (CR-560) PR 04286 Task 5.30	\$5,748.99	\$0.00	See Notes
TOTAL	\$231,100.22	\$0.00	0

Notes:

- For all items noted above, the Contractor reserves the right to compensable and/or excusable time extensions provided that time impacts to the Project's critical path are demonstrated to be beyond the Contractor's control.
- Contractor reserves any and all rights it has and otherwise does not waive or release any claims it may have for additional compensation related to impact, including but not limited to the cumulative effect of the number, nature, or extent of any changes or design clarifications.
- The project completion date of October 31, 2017 per CCO No. 45 is unchanged by this Change Order.

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.

DAYS ±

1. NET AMOUNT THIS CHANGE ORDER	=	\$231,100.22	0
2. ORIGINAL CONTRACT AMOUNT	=	\$163,465,940.00	1,278
3. TOTAL PREVIOUS CHANGE ORDER(S)	=	\$16,954,843.71	368
4. TOTAL BEFORE THIS CHANGE ORDER (2+ 3)	=	\$180,420,783.71	1,646
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$180,651,883.93	1,646

We hereby agree to make the above change subject to the terms of this change order for the sum of: _____
 -----Two Hundred Thirty-One Thousand One Hundred and 22/100 -----Dollars

Date	Filanc/Balfour-Beatty	Contractor	By: Harry Cosmos, President
SIGNATURE		DATE	APPROVAL LEVEL REQUIRED
_____	_____	_____	Department Director Approval Required <input type="checkbox"/>
IRWD Engineer or Consulting Engineer	_____	Date	Executive Director Approval Required <input type="checkbox"/>
_____	_____	_____	General Manager Approval Required <input type="checkbox"/>
Principal Engineer	_____	Date	Board Approval Required <input checked="" type="checkbox"/>
_____	_____	_____	_____
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.

CONTRACT CHANGE ORDER

EXHIBIT "B"



Irvine Ranch Water District

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

C.O. No. 65

Final

Project No. 04286

MWRP Biosolids and Energy Recovery Facilities

Project Title

Date: 10/02/2017

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
1. Additional Conduits and Wires for the Engine Generator, Switchgear-16, and Switchgear-16 Programmable Logic Controller (CR-204) PR 04286 Task 5.30	\$100,000	\$0.00	See Notes
2. Modifications to Spirac Conveyor in the Solids Handling Building (CR-409) PR 04286 Task 5.31	\$13,641.00	\$0.00	See Notes
3. Additional Metal Bridge Walkway Structural Support Angles (CR-420) PR 04286 Task 5.29	\$35,950.14	\$0.00	See Notes
TOTAL	\$149,591.14	\$0.00	0

Notes:

- For all items noted above, the Contractor reserves the right to compensable and/or excusable time extensions provided that time impacts to the Project's critical path are demonstrated to be beyond the Contractor's control.
- Contractor reserves any and all rights it has and otherwise does not waive or release any claims it may have for additional compensation related to impact, including but not limited to the cumulative effect of the number, nature, or extent of any changes or design clarifications.
- The project completion date of October 31, 2017 per CCO No. 45 is unchanged by this Change Order.

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.

DAYS ±

1. NET AMOUNT THIS CHANGE ORDER	=	\$149,591.14	0
2. ORIGINAL CONTRACT AMOUNT	=	\$163,465,940.00	1,278
3. TOTAL PREVIOUS CHANGE ORDER(S)	=	\$17,185,943.93	368
4. TOTAL BEFORE THIS CHANGE ORDER (2+ 3)	=	\$180,651,883.93	1,646
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$180,801,475.07	1,646

We hereby agree to make the above change subject to the terms of this change order for the sum of: _____
 -----One Hundred Forty-Nine Thousand Five Hundred Ninety-One and 14/100 -----Dollars

Date _____		Contractor <u>Filanc/Balfour-Beatty</u>		By: Harry Cosmos, President	
SIGNATURE		DATE		APPROVAL LEVEL REQUIRED	
_____		_____		Department Director Approval Required <input type="checkbox"/>	
IRWD Engineer or Consulting Engineer		Date		Executive Director Approval Required <input type="checkbox"/>	
_____		_____		General Manager Approval Required <input type="checkbox"/>	
Principal Engineer		Date		Board Approval Required <input checked="" type="checkbox"/>	
_____		_____		_____	
Executive Director of Engineering & Water Quality		Date		_____	
_____		_____		Purchase Order No. _____	
General Manager		Date		_____	

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 "C"

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

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

				Contract Amount						Contract Days				Original Completion Date:
				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
1	Approved by Exe. Director of Engineering and Water Quality Approved on October 24, 2013 1.1 Modifications to Road to Development Area - Delete AC to Triangle, add AB to Michelson (CR-004)	A	IRWD	\$ 20,202.42	\$20,202.42	\$0.00	\$20,202.42	0.01%	\$163,486,142.42	0	0	0	1,278	10/28/2016
2	Approved by Exe. Director of Engineering and Water Quality Approved on November 13, 2013 2.1 Street Light Conduit Modifications (CR-007)	B	IRWD	\$ 12,475.08	\$12,475.08	\$20,202.42	\$32,677.50	0.02%	\$163,498,617.50	0	0	0	1,278	10/28/2016
3	Approved by Board of Directors Approved on March 10, 2014 3.1 Bid Quantity Adjustment of Bid Item 8.6 Pre-Drill	B	FBB	\$ 745,503.00	\$745,503.00	\$32,677.50	\$778,180.50	0.48%	\$164,244,120.50	0	0	0	1,278	10/28/2016
4	Approved by Exe Dir of Eng & Water Quality Approved on March 14, 2014 4.1 Installation of Five Additional Groundwater Wells and Monitoring -- (CR-006) PR 21146 (4286) Task 3505 4.2 Brace Bay Modifications at the FOG Station -- (CR-015) PR 21146 (4286) Task 3505 4.3 Grounding Extension at Nitrogen and Mineral Oil System (CR-025) PR 21146 (4286) Task 3510	A	IRWD	\$11,047.81	\$23,029.22	\$778,180.50	\$801,209.72	0.49%	\$164,267,149.72	0	0	0	1,278	10/28/2016
5	Approved by Exe Dir of Eng & Water Quality Approved on March 14, 2014 5.1 Unidentified Utility - Meter Shop Discharge (CR-008) PR 21146 (4286) Task 3505 5.2 Connection Beam Modifications at Solids Handling Facility (CR-014) PR 21146 (4286) Task 3235 5.3 Increased Grating Thickness at Solids Handling Facility (CR-041) PR 21146 (4286) Task 3505	B	IRWD	\$15,225.75	\$24,851.73	\$801,209.72	\$826,061.45	0.51%	\$164,292,001.45	0	0	0	1,278	10/28/2016
6	Approved by General Manager Approved on March 20, 2014 6.1 Additional Costs to Install Piles to the Design Tip (CR-033) PR 21146 (4286) Task 3505	B	FBB	\$31,815.00	\$31,815.00	\$826,061.45	\$857,876.45	0.52%	\$164,323,816.45	0	0	0	1,278	10/28/2016

- A - District Convenience/Initiation - Project Related
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MWRP Biosolids and Energy Recovery Facilities

PR 21146 (4286)

Construction Change Order Summary

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

Change Order	Description	Category	IRWD or FBB	Contract Amount						Contract Days				Original Completion Date:
				Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	10/28/2016
														Original Contract Amount: \$163,465,940.00
7	Approved by Exe Dir of Eng & Water Quality Approved on April 21, 2014				\$24,725.00	\$857,876.45	\$882,601.45	0.54%	\$164,348,541.45	0	0	0	1,278	10/28/2016
7.1	Meter Shop Discharge Pipe Leak Investigation and Repair (CR-013) PR 21146 (4286) Task 3505	B	IRWD	\$2,542.00						0				
7.2	Additional Reinforcement and Lifting Eyes for Removable Slabs at Solids Handling Building (CR-021) PR 21146 (4286) Task 3505	C	FBB	\$14,059.00						0				
7.3	Increased Grating Thickness at Solids Handling Facility (CR-041) PR 21146 (4286) Task 3505 Additional Conductance Probe Materials for Relay Level Switches for Various Sumps Located at the Microturbine Area PR 21146 (4286) Task 3510	C	FBB	\$8,124.00						0				
8	Approved by General Manager Approved on April 21, 2014				(\$49,990.00)	\$882,601.45	\$832,611.45	0.51%	\$164,298,551.45	0	0	0	1,278	10/28/2016
8.1	Cost Sharing for Project Partnering (CR-21146 (4286) Task 3235	A	IRWD	(\$14,611.00)						0				
8.2	Credit for Primavera 7.0 Project Portfolio Management Software (CR-002) PR 21146 (4286) Task 3235	A	IRWD	(\$2,700.00)						0				
8.3	Deletion of Concrete Pad near Development Area (CR-004A) PR 21146 (4286) Task 3235	A	IRWD	(\$3,865.00)						0				
8.4	Deletion of Ground Test Device (CR-034) PR 21146 (4286) Task 3210	A	IRWD	(\$15,579.00)						0				
8.5	Deletion of Existing T-4 Switchgear Level Indicating Switch (CR-035) PR 21146 (4286) Task 3210	A	IRWD	(\$9,167.00)						0				
8.6	Change to NEMA 4X Panels and Modification to NEMA 4X Bar Graph Display (CR-046) PR 21146 (4286) Task 3210	A	IRWD	(\$4,068.00)						0				
9	Approved by Exe. Director of Eng. & Water Quality Approved on May 31, 2014				\$24,840.17	\$832,611.45	\$857,451.62	0.52%	\$164,323,391.62	0	0	0	1,278	10/28/2016
9.1	Additional Circuits for Gas Monitors and Re-route of Conduits in Solids Handling Facility (CR-028) PR 21146 (4286) Task 3510	C	FBB	\$1,187.49						0				
9.2	Cantilevered Beam Support Modifications in the Solids Handling Facility (CR-049) PR 21146 (4286) Task 3505	C	FBB	\$4,605.30						0				
9.3	Additional Ethernet Switches (CR-062) PR 21146 (4286) Task 3510	C	IRWD	\$19,047.38						0				
10	Approved by Exe. Director of Eng. & Water Quality Approved on May 31, 2014				\$21,398.99	\$857,451.62	\$878,850.61	0.54%	\$164,344,790.61	0	0	0	1,278	10/28/2016
10.1	Additional Grace Ports for Various PLCs (CR-030) PR 21146 (4286) Task 3510	C	IRWD	\$8,580.62						0				
10.2	Provide H-20 Rated Hatches at WAS Pump Station and Valve Vault (CR-061) PR 21146 (4286) Task 3505	C	IRWD	\$12,818.37						0				

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

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

				Contract Amount						Contract Days				Original Completion Date:
				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
11	Approved by Exe. Director of Eng. & Water Quality Approved on June 4, 2014				\$24,739.76	\$878,850.61	\$903,590.37	0.55%	\$164,369,530.37	#REF!	0	#REF!	#REF!	10/28/2016
11.1	Waste Activated Sludge (WAS) Pump Station Structural Modifications (CR-023) PR 21146 (4286) Task 3505	C	IRWD	\$12,905.49						0				
11.2	Removable Slab Modifications on the Second Floor of Solids Handling Building (CR-064) PR 21146 (4286) Task 3505	C	IRWD	\$11,834.27						0				
12	Approved by Board of Directors Approved on July 21, 2014				\$156,580.22	\$903,590.37	\$1,060,170.59	0.65%	\$164,526,110.59	0	0	0	1,278	10/28/2016
12.1	Final Bid Quantity Adjustment for Bid Item No. 5.2 – Undocumented Fill (suitable) – Remedial Grading – Remove and Re-compact a net increase of 8,104.7 CY from 51,700 CY to 59,804.7 CY at \$5/CY. PR 21146 (4286) Task 3505	B	N/A	\$40,523.37						0				
12.2	Final Bid Quantity Adjustment for Bid Item No. 5.5 - Undocumented Fill (not suitable) - Remedial Grading - Remove and Export Offsite, a net increase of 60 CY, from 1,800 CY to 1,860 CY at \$25 /CY. PR 21146 (4286) Task 3505	B	N/A	\$1,500.00						0				
12.3	Final Bid Quantity Adjustment for Bid Item No. 5.6 - Geotextile Fabric - Remedial Grading, a net decrease of 5,414 SF, from 181,500 SF to 176,086 SF at \$0.40/SF. PR 21146 (4286) Task 3505	B	N/A	(\$2,165.60)						0				
12.4	Final Bid Quantity Adjustment for Bid Item No. 5.6 - Geotextile Fabric - Remedial Grading, a net decrease of 5,414 SF, from 181,500 SF to 176,086 SF at \$0.40/SF. PR 21146 (4286) Task 3505	B	N/A	(\$6,523.33)						0				
12.5	Final Bid Quantity Adjustment for Bid Item No. 5.8 - Undocumented Fill - Deep Foundations – Removal, a net increase of 966 CY, from 21,650 CY to 22,616 CY at \$5.50/CY. PR 21146 (4286) Task 3505	B	N/A	\$5,313.00						0				
12.6	Final Bid Quantity Adjustment for Bid Item No. 5.9 - Alluvium - Remedial Grading - Removal and Export Offsite, a net increase of 2,076 CY, from 28,154 CY to 30,230 CY at \$35/CY. PR 21146 (4286) Task 3505	B	N/A	\$72,665.98						0				
12.7	Final Bid Quantity Adjustment for Bid Item No. 5.10 - Undocumented Fill Deep Foundations - Compaction of stockpiled materials, a net increase of 3,117 CY, from 11,400 CY to 14,517 CY at \$15/CY. PR 21146 (4286) Task 3505	B	N/A	\$46,755.00						0				
12.8	Final Bid Quantity Adjustment for Bid Item No. 5.11 - Undocumented Fill - Deep Foundations - Export excess offsite a net decrease of 2,151 CY, from 10,250 CY to 8,099 CY PR 21146 (4286) Task 3505	B	N/A	(\$30,114.00)						0				

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

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

				Contract Amount						Contract Days				Original Completion Date:
				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
12.9	Final Bid Quantity Adjustment for Bid Item No. 5.12 - Geotextile Fabric - Deep Foundations, a net increase of 9,218 SF, from 51,500 SF to 60,718 SF at \$0.60/SF. PR 21146 (4286) Task 3505	B	N/A	\$5,530.80						0				
12.10	Final Bid Quantity Adjustment for Bid Item No. 5.13 - Aggregate Base - Deep Foundations, a net increase of 513.2 CY, from 2,860 CY to 3,373.2CY at \$45/CY. PR 21146 (4286) Task 3505	B	N/A	\$23,095.00						0				
13	Approved by Exe. Director of Engineering & Water Quality Approved on July 10, 2014				\$10,129.18	\$1,060,170.59	\$1,070,299.77	0.65%	\$164,536,239.77	0	0	0	1,278	10/28/2016
13.1	Modifications to Switchgear 16 (CR-070) PR 21146 (4286) Task 3510	A	FBB	\$10,129.18						0				
14	Approved by General Manager Approved on June 24, 2014				\$44,543.19	\$1,070,299.77	\$1,114,842.96	0.68%	\$164,580,782.96	0	0	0	1,278	10/28/2016
14.1	Slide Gates Clarification Regarding Actuators (CR-039) PR 21146 (4286) Task 3520	A	IRWD	\$44,543.19						0				
15	Approved by General Manager Approval on July 31, 2014				\$45,214.40	\$1,114,842.96	\$1,160,057.36	0.71%	\$164,625,997.36	0	0	0	1,278	10/28/2016
15.1	Provide Masonry Shelf Angle at Digester Control Building (CR-031) PR 21146 (4286) Task 3505	C	FBB	\$27,543.19						0				
15.2	Beam Size Increase for Monorail Runway in Solids Handling Building - (CR-074) PR 21146 (4286) Task 3505	C	FBB	\$1,200.47						0				
15.3	Upsize Odor Control Circulation Pump Motor Disconnects (CR-082) PR 21146 (4286) Task 3510	B	FBB	\$1,184.83						0				
15.4	Additional Deck Support for the Solids Handling Building Roof (CR-044) PR 21146 (4286) Task 3505	C	FBB	\$15,285.91						0				
16	Approved by E&O Committee Approved on August 19, 2014				\$62,037.10	\$1,160,057.36	\$1,222,094.46	0.75%	\$164,688,034.46	0	0	0	1,278	10/28/2016
16.1	Installation of Level 3 Diesel Particulate Filter (DPF) on the Standby Generator - (CR-073) PR 21146 (4286) Task 3520	B	IRWD	\$62,037.10						0				
17	Approved by Board of Directors Approved on August 25, 2014				(\$106,241.99)	\$1,222,094.46	\$1,115,852.47	0.68%	\$164,581,792.47	0	0	0	1,278	10/28/2016
17.1	Modifications to Switchgear 16 (CR-070A) PR 21146 (4286) Task 3510	A	FBB	(\$106,241.99)						0				
18	Approved by Board of Directors Approved on August 25, 2014				\$108,087.55	\$1,115,852.47	\$1,223,940.02	0.75%	\$164,689,880.02	0	0	0	1,278	10/28/2016
18.1	Stormwater Drainage System Modification (CR-017) PR 21146 (4286)	A	IRWD	\$108,087.55						0				

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

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

Change Order	Description	Category	IRWD or FBB	Contract Amount						Contract Days				Original Completion Date:
				Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	10/28/2016
														Original Contract Amount: \$163,465,940.00
19	Approved by Executive Director of Engineering & Water Quality Approved on September 30, 2014				\$72,572.86	\$1,223,940.02	\$1,296,512.88	0.79%	\$164,762,452.88	0	0	0	1,278	10/28/2016
19.1	Modification to Switchgear 16 (CR-070B) PR 21146 (4286) Task 3510	A	IRWD	\$1,125.75						0				
19.2	Alluvium Removal Due to 36-inch Storm Drain Installation (CR-085) PR 21146 (4286) Task 3520	B	N/A	\$14,140.00						0				
19.3	Additional Structural Support for Fats, Oils, and Grease (FOG) Grinders (CR-081) PR 21146 (4286) Task 3505	C	FBB	\$8,323.99						0				
19.4	Portable Lift Truck for 480V ABB Breakers (CR-108) PR 21146 (4286) Task 3510	A	IRWD	\$2,625.12						0				
19.5	Retaining Wall North and West of Biosolids Site (CR-010) PR 21146 (4286) Task 3505	B	IRWD	\$46,358.00						0				
20	Approved by Executive Director of Engineering & Water Quality Approved on November 19, 2014				\$54,485.63	\$1,296,512.88	\$1,350,998.51	0.83%	\$164,816,938.51	0	0	0	1,278	10/28/2016
20.1	Nitrogen Slab Modifications (CR-052) PR 21146 (4286) Task 3505	A	IRWD	\$24,855.80						0				
20.2	Additional Conduits and Circuits for the Access Control Systems for the Solids Handling Building and the Digester Control Building (CR-082) PR 21146 (4286) Task 3510	A	IRWD	\$3,412.13						0				
20.3	Digital Power Meters Change for SWGR-14 and SWGR-15 (CR-109) PR 21146 (4286) Task 3510	A	IRWD	\$3,863.22						0				
20.4	Truck Unloading Panel Modifications (CR-115) PR 21146 (4286) Task 3510	A	IRWD	\$12,843.50						0				
20.5	Switchgear SWGR-14 Modifications (CR-116) PR 21146 (4286) Task 3510	A	IRWD	\$9,510.98						0				
21	Approved by General Manager Approved on January 30, 2015				\$ 98,506.19	\$1,350,998.51	\$1,449,504.70	0.89%	\$164,915,444.70	0	0	0	1,278	10/28/2016
21.1	Additional Anchorage for Methane Digesters (CR-051A) PR 21146 (4286) Task 3520	B	FBB	\$92,367.44						0				
21.2	Additional Input/Outputs Review of Master I/O List (CR-136) PR 21146 (4286) Task 3510	C	FBB	\$6,138.75						0				

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

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

				Contract Amount						Contract Days				Original Completion Date:
				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
22	Approved by Board of Directors Approved on February 9, 2015				\$964,324.51	\$1,449,504.70	\$2,413,829.21	1.48%	\$165,879,769.21	0	0	0	1,278	10/28/2016
22.1	Electrical Conduit Overfill (CR-055) PR 21146 (4286) Task 3510	C	FBB	\$485,250.28						0				
22.2	Heat Dryer Equipment Escalation Costs (CR-057) PR 21146 (4286) Task 3520	B	FBB	\$333,477.50						0				
22.3	Glass-lining Sludge Density Meters (CR-067) PR 21146 (4286) Task 3510	A	IRWD	\$71,010.74						0				
22.4	Switchgear-16 Enclosure (CR-040) PR 21146 (4286) Task 3510	C	FBB	\$56,882.30						0				
22.5	Propane Gas Tank Foundation Demolition (CR-084) PR 21146 (4286) Task 3505	C	IRWD	\$2,004.98						0				
22.6	Credit for travel costs related to inspection of centrifuges in Germany (CR-091) PR 21146 (4286) Task 3520	A	IRWD	(\$5,573.42)						0				
22.7	Deletion of MMC Switchgear-14 Breaker (CR-092) PR 21146 (4286) Task 3510	A	IRWD	(\$5,032.00)						0				
22.8	Increase of Fiber Optic Conduit Size (CR-097) PR 21146 (4286) Task 3510	C	IRWD	\$23,269.61						0				
22.9	Overtime to perform work in the Solids Handling electrical room (CR-103) PR 21146 (4286) Task 3510	A	IRWD	\$1,384.47						0				
22.10	Credit for modification to the Uninterruptible Power System (CR-118) PR 21146 (4286) Task 3510	A	IRWD	(\$9,771.72)						0				
22.11	Addition of Low Voltage Compartment in SCE Switch "C" (CR-160) PR 21146 (4286) Task 3510	A	IRWD	\$2,156.20						0				
22.12	Addition of input/output points relating to sump pumps located at the Solids Handling Building (CR-161) PR 21146 (4286) Task 3510	A	FBB	\$9,265.57						0				

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

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

				Contract Amount						Contract Days				Original Completion Date:
				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
23	Approved by General Manager Approved on February 26, 2015				\$97,005.10	\$2,413,829.21	\$2,510,834.31	1.54%	\$165,976,774.31	0	0	0	1,278	10/28/2016
23.1	Additional Steel Reinforcement the Pellet Storage Silos Anchor Bolts (CR-094) PR 21146 (4286) Task 3505	B	FBB	\$5,514.57						0				
23.2	Differential Pressure Transmitter (CR-094) PR 21146 (4286) Task 3510	A	IRWD	\$2,535.33						0				
23.3	Additional Aluminum Trench Grating in Digester Control Building (CR-107) PR 21146 (4286) Task 3520	A	IRWD	\$7,552.11						0				
23.4	Light Weight Concrete for Electrical Conduits Underneath the Solids Handling Building Electrical Room (CR-113) PR 21146 (4286) Task 3510	A	IRWD	\$30,535.94						0				
23.5	Adding Energyjets Weir Plates to Dewatering Centrifuges – (CR-124) PR 21146 (4286) Task 3520	A	IRWD	\$11,139.25						0				
23.6	Provide Angle Supports for the Removable Slabs at the Solids Handling Building – (CR-137) PR 21146 (4286) Task 3520	A	IRWD	\$20,671.61						0				
23.7	Structural Modification at Solids Handling Building – (CR-140) PR 21146 (4286) Task 3520	C	FBB	\$1,109.42						0				
23.8	Increase of Fiber Optic Conduit Size (CR-097) PR 21146 (4286) Task 3510	A	IRWD	\$5,516.45						0				
23.9	Steel Joist Framing Modifications at Digester Control Building (CR-151) PR 21146 (4286) Task 3505	C	FBB	\$2,286.29						0				
23.10	WAS Valve Vault and Piping Modifications (CR-100) PR 21146 (4286) Task 3520	A	IRWD	\$10,144.13						0				
24	Approved by General Manager Approved on March 6, 2015				\$99,122.95	\$2,510,834.31	\$2,609,957.26	1.60%	\$166,075,897.26	0	0	0	1,278	10/28/2016
24.1	Coating of WAS/Primary Sludge Pump Stations & Sludge Wetwells per RFI-0612A (CR-127) PR 21146 (4286) Task 3505	A	FBB	\$99,122.95						0				
25	Approved by Board of Directors Approved on March 23, 2015				\$280,575.97	\$2,609,957.26	\$2,890,533.23	1.77%	\$166,356,473.23	0	0	0	1,278	10/28/2016
25.1	Lightning Protection for the Methane Digesters (CR-121) PR 21146 (4286) Task 3505	C	FBB	\$158,259.68						0				
25.2	Deflagration Quench Tubes outside of the Dryer Room (CR-143) PR 21146 (4286) Task 3505	B	FBB	\$122,316.29						0				

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

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

				Contract Amount						Contract Days				Original Completion Date:
				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
26	Approved by Exe. Dir. Of Engineering & Water Quality Approved on April 14, 2015				\$74,815.79	\$2,890,533.23	\$2,965,349.02	1.81%	\$166,431,289.02	0	0	0	1,278	10/28/2016
26.1	UPS and Power Fail Alarms per RFI 357 (CR-056) PR 21146 (4286) Task	C	FBB	\$3,646.82						0				
26.2	I/O Points for Methane Digester Sump Pumps per RFI-356 (CR-077) PR 21146 (4286) Task 3510	C	FBB	\$6,489.00						0				
26.3	Loss of Power Alarms to the SCADA Network per RFI-0393B (CR-093) PR 21146 (4286) Task 3510	A	FBB	\$20,297.16						0				
26.4	FOG Flushing and Rock Trap Modifications per RFI-0534 (CR-101) PR 21146	A	IRWD	\$18,093.61						0				
26.5	Install Grounding Pig Tails in Solids Handling Building Area Electrical Room per RFI 0594 (CR-105) PR 21146 (4286) Task 3510	A	IRWD	\$1,593.10						0				
26.6	Additional Pushbuttons, Light and Relays for the FOG Receiving Control Panel (CR-114) PR 21146 (4286) Task 3510	A	IRWD	\$6,892.40						0				
26.7	Changes to the HMI Enclosures at the Sludge Receiving Area (CR-133) PR 21146 (4286) Task 3510	A	IRWD	\$7,114.17						0				
26.8	Provide Storage Shelf for Keyboard and Mouse to the HMI Enclosures at the Sludge Receiving Area (CR-135) PR 21146 (4286) Task 3510	A	IRWD	\$1,163.26						0				
26.9	Dewatering Feed Pump Station Guardrail Additions (CR-142) PR 21146 (4286) Task 3520	C	FBB	\$4,204.00						0				
26.10	Additional I/O Points for PLC-4300 (CR-156) PR 21146 (4286) Task 3510	C	FBB	\$3,035.28						0				
26.11	Shoring Revision to Roof Slab of Dewatering Feed Pump Station (CR-189) PR 21146 (4286) Task 3510	B	FBB	\$1,286.99						0				
26.12	Coating of the Sludge Receiving Bins (CR-199) PR 21146 (4286) Task 3520	A	FBB	\$1,000.00						0				
27	Approved by Board of Directors Approved on April 27, 2015				\$107,253.26	\$2,965,349.02	\$3,072,602.28	1.88%	\$166,538,542.28	0	0	0	1,278	10/28/2016
27.1	Modifications to Human-Machine Interface (HMI) for the Microturbine Area (CR-078) PR 21146 (4286) Task 3510	A	IRWD	\$29,744.43						0				
27.2	Modifications to the Piping and Automation Features at Fats, Oils, and Grease (FOG) Facility (CR-129) PR 21146 (4286) Task 3510	A	IRWD	\$35,771.81						0				
27.3	Structural Support to the Monorail at the Dewatering Feed Pump Station (CR-152) PR 21146 (4286) Task 3505	C	FBB	\$13,697.51						0				
27.4	Two Additional Magnetic Flowmeters at Polymer Feed System (CR-158) PR 21146 (4286) Task 3510	A	IRWD	\$9,522.81						0				
27.5	Modifications to PLCs at Sludge Receiving Area (CR-180) PR 21146 (4286) Task 3510	A	IRWD	\$18,516.70						0				

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

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

				Contract Amount						Contract Days				Original Completion Date:
				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
28	Approved by Exe. Dir. Of Eng. & Water Quality Approved on May 15, 2015				\$74,550.35	\$3,072,602.28	\$3,147,152.63	1.93%	\$166,613,092.63	0	0	0	1,278	10/28/2016
28.1	Decanter Control Panel Modifications (CR-215) Task 3520	C	FBB	\$22,451.01						0				
28.2	Additional Structural Support in the Solids Handling Building (CR-075) Task 3505	C	FBB	\$12,028.44						0				
28.3	Additional Sump Pump Drain Line in the Bulk Polymer Storage Area (CR-119) Task 3520	C	FBB	\$1,433.86						0				
28.4	Install Three 5-inch conduits on Southwest Side of the Biosolids Site (CR-120) Task 3510	C	FBB	\$16,033.58						0				
28.5	Provide Power to Several Instruments Located at the Solids Handling Building and Digester Control Building (CR-154) Task 3520	C	FBB	\$3,454.91						0				
28.6	Install Foam Separator Drain at Digester Control Building (CR-167) Task 3520	C	FBB	\$11,013.75						0				
28.7	Install Support for 14-inch Plug Valve at Centrate Treatment Wetwell (CR-197) Task 3520	C	FBB	\$1,715.20						0				
28.8	Trench Modifications at the Sludge Cake Load-Out Area of the Solids Handling Building (CR-123) Task 3505	C	FBB	\$6,419.60						0				
29	Approved by Board of Directors Approved on June 22, 2015				\$225,971.77	\$3,147,152.63	\$3,373,124.40	2.06%	\$166,839,064.40	0	0	0	1,278	10/28/2016
29.1	Foul Air Pipe Supports in the Solids Handling Building Basement (CR-106) PR 21146 (4286) Task 3520	C	FBB	\$119,937.87						0				
29.2	Secondary Circuit Breaker for Transformer T-14 (CR-185) PR 21146 (4286) Task 3510	A	IRWD	\$106,033.90						0				

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**MWRP Biosolids and Energy Recovery Facilities
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30	Approved by Board of Directors Approved on July 27, 2015				(\$47,976.59)	\$3,373,124.40	\$3,325,147.81	2.03%	\$166,791,087.81	0	0	0	1,278	10/28/2016
30.1	Credit for Changing Storm Drain line from Ductile Iron to PVC (CR-042) PR 21146 (4286) Task 3520	A	IRWD	(\$1,890.92)						0				
30.2	Installation of Additional Digester Anchorage (CR-051B) PR21146 (4286) Task 3505	B	FBB	\$118,335.54						0				
30.3	Huber Screens I/O Modifications per RFI-0391 and RFI-0525A (CR-068) PR 21146 (4286) Task 3510	A	IRWD	\$12,579.20						0				
30.4	Credit for FBB's Portion of Partnering (CR-090) PR 21146 (4286) Task Deletion of Waterstops at Methane Digester Complex (CR-102) PR 21146 (4286) Task 3505	E	FBB	(\$81,948.33)						0				
30.5	Deletion of Bid Item No. 18.4 - Computers and Networking Hardware for the Control System (CR-138) PR 21146 (4286) Task 3510	A	IRWD	(\$200,000.00)						0				
30.6	Electrical and Gas Modifications (CR-146) PR 21146 (4286) Task 3510	C	IRWD	\$363,978.41						0				
30.7	Credit for Changing Heat Dryer Wet Material Mixer from A24 Steel to A36 Steel (CR-157) PR 21146 (4286) Task 3520	E	FBB	(\$2,392.66)						0				
30.8	Credit for Travel Cost of On-Site Inspection for Acid Phase Digester (CR-175) PR 21146 (4286) Task 3520	B	IRWD	(\$683.39)						0				
30.9	Heat Dryer I/O Modifications per RFI-0626 (CR-179) PR 21146 (4286) Task 3510	A	IRWD	\$11,191.41						0				
30.10	Decant Trough I/O Modifications per RFI-0979 (CR-202) PR 21146 (4286) Task 3510	A	IRWD	\$9,960.55						0				
30.11	Deletion of Interior Coating of Methane Digesters (CR-188) PR 21146 (4286) Task 3520	A	IRWD	(\$398,571.00)						0				
30.12	Piping Modifications and Addition of Carbon Canisters (CR-218) PR 21146 (4286) Task 3520	A	IRWD	\$88,076.01						0				
30.13	Pickling and Passivation of Sludge Mixers (CR-248) PR 21146 (4286) Task 3520	C	IRWD	\$73,997.23						0				
30.14	IRWD Costs Associated to Repairing the Pile and Installing Couplers (CR-139) PR 21146 (4286) Task 3505	E	FBB	(\$38,102.85)						0				

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

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

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Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
31	Approved by Exe. Dir. Of Eng. & Water Quality Approved on July 28, 2015				\$74,999.74	\$3,325,147.81	\$3,400,147.55	2.08%	\$166,866,087.55	0	0	0	1,278	10/28/2016
31.1	Provide Circuit and Breaker for Standby Generator in the Microturbine Area (CR-170) PR 21146 (4286) Task 3510	C	FBB	\$4,296.86						0				
31.2	Additional Pipe Support for 14-inch Air Line at the Centrate Facility (CR-226) PR 21146 (4286) Task 3520	C	FBB	\$893.78						0				
31.3	Addition of E-stops (CR-128) PR 21146 (4286) Task 3510	A	FBB	\$57,916.71						0				
31.4	Structural Support of Jib Crane at Dewatering Feed Pump Station Stairwell (CR-243) PR 21146 (4286) Task 3520	C	FBB	\$11,892.39						0				
32	Approved by Exe. Dir. Of Eng. & Water Quality Approved on August 31, 2015				\$74,682.96	\$3,400,147.55	\$3,474,830.51	2.13%	\$166,940,770.51	0	0	0	1,278	10/28/2016
32.1	Additional Conduits and Circuits for Fire Alarm in the Solids Handling	A	IRWD	\$21,637.57						0				
32.2	Additional Davit Bases at Centrate Treatment Facility (CR-111) PR 21146 (4286) Task 3520	A	IRWD	\$1,809.77						0				
32.3	Additional Fire Alarm Panel in Digester Control Building (CR-169) PR 21146 (4286) Task 3510	A	IRWD	\$25,153.79						0				
32.4	Modifications to FOG Sump Pumps Controls (CR-177) PR 21146 (4286) Task 3510	A	IRWD	\$5,690.83						0				
32.5	Additional Truck Load-out Conveyor Input and Output (CR-201) PR 21146 (4286) Task 3510	A	IRWD	\$2,220.12						0				
32.6	Additional Spare Conduits in the Microturbine Area (CR-229) PR 21146 (4286) Task 3510	A	FBB	\$14,602.41						0				
32.7	Conduits for Electrical Disconnect Switch for Roll-Up Doors of the Digester Control Building (CR-230) PR 21146 (4286) Task 3510	A	IRWD	\$3,568.47						0				
33	Approved by Executive Director of Engineering & Water Quality Approved on September 30, 2015				\$58,247.75	\$3,474,830.51	\$3,533,078.26	2.16%	\$166,999,018.26	0	0	0		1/0/1900
33.1	Realignment of 8-inch Reclaimed Water Line at Gate 2 (CR-225) PR 21146 (4286) Task 3520	B	FBB	\$24,017.48						0				
33.2	Additional Conduits and Wires for Lighting Circuits to Minimize Voltage Drop (CR-228) PR 21146 (4286) Task 3510	C	IRWD	\$32,399.41						0				
33.3	Cable and Conduit Changes at Solids Handling Building and Dewatering Feed Pump Station (CR-231) PR 21146 (4286) Task 3510	C	IRWD	\$1,830.86						0				

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PR 21146 (4286)
Construction Change Order Summary**

Contractor: Filane/Balfour-Beatty
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				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
34	Approved by Board of Directors Approved on October 26, 2015				\$164,775.28	\$3,533,078.26	\$3,697,853.54	2.26%	\$167,163,793.54	0	0	0	1,278	10/28/2016
34.1	Credit for Third Submittal Review Through 05/31/2015 (CR-088) PR 21146 (4286) Task 1065	B	IRWD	(\$39,502.50)						0				
34.2	Credit for Overtime Inspection Hours Through 05/31/2015 (CR-089) PR 21146 (4286) Task 3520	E	FBB	(\$80,850.00)						0				
34.3	Credit for Special Inspections for Structural Anchors and Geotechnical Investigation (CR-295) PR 21146 (4286) Task 1065	A	IRWD	(\$27,500.00)						0				
34.4	Change in Knife Gate Valve Manufacturer (CR-187) PR 21146 (4286) Task 3520	E	FBB	\$275,954.90						0				
34.5	Credit for Changes in Low Voltage SWGR-14 Circuit Breaker (CR-163) PR 21146 (4286) Task 3510	A	IRWD	(\$1,978.00)						0				
34.6	Change to Addressable Smoke Detectors (CR-220) PR 21146 (4286) Task 3510	B	IRWD	\$38,650.88						0				
35	Approved by General Manager Approved on November 25, 2015				\$97,980.57	\$3,697,853.54	\$3,795,834.11	2.32%	\$167,261,774.11	0	0	0	1,278	10/28/2016
35.1	Change in Naming Convention for Storm Water Pump Station (Area 1500) SCADA Programming (CR-181) PR 21146 (4286) Task 3510	E	FBB	\$9,027.03						0				
35.2	Valve Status Override Functionality (CR-182) PR 21146 (4286) Task 3510	E	FBB	\$38,999.08						0				
35.3	Control Changes for Primary Sludge and Waste Activated Pump Stations (Area 1900) SCADA Programming (CR-184) PR 21146 (4286) Task 3510	A	IRWD	\$36,772.78						0				
35.4	Motor Protection Relay (CR-239) PR 21146 (4286) Task 3510	A	IRWD	\$13,181.68						0				
36	Approved by General Manager Approved on December 3, 2015				\$86,007.50	\$3,795,834.11	\$3,881,841.61	2.37%	\$167,347,781.61	0	0	0	1,278	10/28/2016
36.1	Light Weight Concrete for Underslab Conduits at Microturbine Area (CR-253) PR 21146 (4286) Task 3510	A	FBB	\$21,117.50						0				
36.2	Outstanding CB&I Items (CR-099A) PR 21146 (4286) Task 3520 – This change order includes: CR-098 (Guard Rail at Biogas Storage Tank); CR-099 (Tube Steel Supports); additional Off-Site Storage Costs; and credit for Use of SS 308 in Lieu of SS 316L Welds.	B	FBB	\$64,890.00						0				

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

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Design Engineer: Black & Veatch

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Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
37	Approved by Exe. Director of Engineering and Water Quality Approved on January 21, 2016				\$47,446.49	\$3,881,841.61	\$3,929,288.10	2.40%	\$167,395,228.10	0	0	0	1,278	10/28/2016
37.1	Additional Pressure Relief Valves in the Digester Control Building Slab (CR-112) PR 21146 (4286) Task 3520	C	IRWD	\$1,065.72						0				
37.2	Change Feeder Circuit Breaker Size in MCC-4102 (CR-165) PR 21146 (4286) Task 3510	C	IRWD	\$4,157.60						0				
37.3	Change Feeder Circuit Breaker Size for the Primary Sludge Pump Variable Frequency Drive (CR-233) PR 21146 (4286) Task 3510	C	IRWD	\$2,430.59						0				
37.4	SCADA Programming Changes Due to Change to Schweitzer Power Quality	A	FBB	\$16,814.00						0				
37.5	Additional Labeling of Parallel Conduits and Cables (CR-262) PR 21146 (4286) Task 3510	A	IRWD	\$8,410.00						0				
37.6	Change in Sludge Receiving Entrance Beacon Operation CR-263) PR 21146 (4286) Task 3510	A	IRWD	\$5,382.19						0				
37.7	Anodize Aluminum Light Fixture Stanchions/Sun Shades (CR-283) PR 21146 (4286) Task 3510	A	IRWD	\$5,911.61						0				
37.8	Hot Tap 8-Inch ACP Potable Water Line (CR-311) PR 21146 (4286) Task 3520	A	FBB	\$3,274.78						0				

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														Original Contract Amount: \$163,465,940.00
38	Approved by General Manager Approved on February 29, 2016				\$83,345.07	\$3,929,288.10	\$4,012,633.17	2.45%	\$167,478,573.17	0	0	0	1,278	10/28/2016
38.1	Software Control Block Revision for Area 4300 – Dewatering (CR-211) PR 4286 Task 3510	C	FBB	\$18,908.76						0				
38.2	Revised Master List of SCADA Templates (CR-247) PR 4286 Task 3510	C	FBB	\$47,274.54						0				
38.3	Additional Overflow Alarms at Sludge Holding Tanks (CR-280) PR 4286 Task 3510	A	IRWD	\$9,654.54						0				
38.4	Leak Detection at Sulfuric Acid Facility (CR-290) PR 21146 (4286) Task 3510	A	IRWD	\$5,499.97						0				
38.5	Insulation for Acid Phase Gas Piping (CR-218A) PR 21146 (4286) Task 3520	A	IRWD	\$2,007.26						0				
39	Approved by General Manager Approved on March 7, 2016				\$98,006.46	\$4,012,633.17	\$4,110,639.63	2.51%	\$167,576,579.63	0	0	0	1,278	10/28/2016
39.1	SCE Installation - Final Accounting of Work Items Between Negotiated Change Order and Actual Work (CR-146E) PR 4286 Task 3510	B	FBB	\$7,809.51						0				
39.2	Installation of Southern California Gas (SCG) Boxes (CR-146F) PR 4286 Task 3510	A	FBB	\$3,479.81						0				
39.3	Schweitzer SEL-735 Power Monitors for Centrifuge Panels (CR-207) PR 4286 Task 3510	A	IRWD	\$34,274.40						0				
39.4	Hirschmann Ethernet Switches for Centrifuge Panels (CR-208) PR 4286 Task 3510	A	IRWD	\$9,569.15						0				
39.5	Addition of Sample Pump Variable Frequency Drives for Thickening Centrifuges (CR-237) PR 4286 Task 3520	E	IRWD	\$24,496.55						0				
39.6	Upgrade of Exit Signs and Ceiling Lights in the Gas Room of the Digester Control Building to NEC Class 1 Division 1 (CR-313) PR 4286 Task 352	A	IRWD	\$18,377.04						0				
40	Approved by General Manager Approved on April 20, 2016				\$97,287.05	\$4,110,639.63	\$4,207,926.68	2.57%	\$167,673,866.68	0	0	0	1,278	10/28/2016
40.1	Brace Plates in Solids Handling Building (CR-069) PR 4286 Task 3505	C	FBB	\$40,216.76						0				
40.2	Relocation of RIO-50 Panel (CR-186) PR 4286 Task 3510	B	FBB	\$4,818.64						0				
40.3	Addition of Two Doors at the bases of the stairways at Methane Digesters Nos. 1 and No. 2 (CR-232) PR 4286 Task 3505	C	FBB	\$52,251.65						0				

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41	Approved By Board of Directors Approved on May 23, 2016				\$1,103,650.56	\$4,207,926.68	\$5,311,577.24	3.25%	\$168,777,517.24	0	0	0	1,278	10/28/2016
41.1	Additional SCE and SCG Modifications (CR-146A) PR 4286 Task 3510	B	FBB	\$51,238.69						0				
41.2	Additional Potholing Due to SCE and SCG Realignment (CR-146B) PR 4286 Task 3510	B	FBB	\$36,706.57						0				
41.3	Additional Cameras at the Unloading/Loading Area of the Solids Handling Facility (CR-164) PR 4286 Task 3505	A	IRWD	\$61,731.96						0				
41.4	Fire Sprinkler System Modifications – Mechanical (CR-174) PR 4286 Task 3520	B	IRWD	\$154,592.08						0				
41.5	Fire Sprinkler System Modifications – Electrical (CR-166) PR 4286 Task 3510	B	IRWD	\$13,730.06						0				
41.6	Fiber Optic System Modifications (CR-172/CR-306/CR-314) PR 4286 Task 3510	A	IRWD	\$178,879.46						0				
41.7	T-15, T-16, and T-17 Secondary Breakers (CR-185A, CR-185B, and CR-185C) PR 4286 Task 3510	A	IRWD	\$254,941.66						0				
41.8	Cable and Conduit Changes at the Sludge Receiving Area of the Solids Handling Building (CR-203) PR 4286 Task 3510	C	FBB	\$14,338.94						0				
41.9	Concrete Surface Treatment (CR-222) PR 4286 Task 3505	A	IRWD	\$68,714.34						0				
41.1	Heating Water Boiler Control Modifications (CR-246) PR 4286 Task 3510	A	IRWD	\$71,379.00						0				
41.11	SCADA Control Modifications for the Acid Phase Digesters, Methane Digesters, and Sludge Holding Tank (CR-252) PR 4286 Task 3510	A	IRWD	\$50,540.23						0				
41.12	Ambient Gas Analyzer Wiring Modification (CR-264) PR 4286 Task 3510	B	IRWD	\$19,734.51						0				
41.13	Disconnect Switches for Flow Valves in the Solids Handling Building (CR-272) PR 4286 Task 3510	C	IRWD	\$25,550.26						0				
41.14	Centrifuge Pedestal Modifications (CR-301) PR 4286 Task 3505	C	IRWD	\$30,603.14						0				
41.15	SCADA, Instrumentation, and Electrical Modifications (CR-287, CR-294, and CR-322) PR 4286 Task 3510	A	IRWD	\$70,969.66						0				

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

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

				Contract Amount						Contract Days				Original Completion Date:
				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
42	Approved By Board of Directors Approved on May 23, 2016				(\$199,771.09)	\$5,311,577.24	\$5,111,806.15	3.13%	\$168,577,746.15	0	0	0	1,278	10/28/2016
42.1	Value Engineering of Chemical Pump Systems (CR-054) PR 4286 Task 3520	E	FBB	(\$48,549.90)						0				
42.2	Change in Lightning Protection Installation for Egg-Shaped Digesters (CR-121A) PR 4286 Task 3510	E	FBB	(\$97,141.74)						0				
42.3	Deletion of Seal Water Stations and Seal Water Piping (CR-214) PR 4286 Task 3520	A	IRWD	(\$10,557.28)						0				
42.4	Deletion of Low Pressure Switches for Centrate Pumps (CR-257) PR 4286 Task 3510	A	IRWD	(\$1,748.17)						0				
42.5	Centrifuge Seismic Restraint Design Costs (CR-345) PR 4286 Task 1065	A	IRWD	(\$24,064.00)						0				
42.6	Credit for Overtime Inspection Hours From 6/1/2015 to Through 12/31/2015 (CR-089B) PR 4286 Task 1065	E	FBB	(\$17,710.00)						0				
43	Approved by Exe. Director of Engineering and Water Quality Approved on May 31, 2016				\$74,731.69	\$5,111,806.15	\$5,186,537.84	3.17%	\$168,652,477.84	0	0	0	1,278	10/28/2016
43.1	Combustible Gas Detection System (CR-234) PR 21146 (4286) Task 3510	E	FBB	\$18,843.39						0				
43.2	Additional Wires and Cables Between MCC-4102 and PLC-4000 (CR-278) PR 21146 (4286) Task 3510	C	FBB	\$1,775.13						0				
43.3	SCADA Programming Modifications (CR-282) PR 21146 (4286) Task 3510	E	FBB	\$49,679.02						0				
43.4	Change of Waste Gas Burner Feeder Circuit Breaker (CR-344) PR 21146 (4286) Task 3510	B	FBB	\$4,434.15						0				
44	Approved by Exe. Director of Engineering and Water Quality Approved on June 29, 2016				\$74,912.99	\$5,186,537.84	\$5,261,450.83	3.22%	\$168,727,390.83	0	0	0	1,278	10/28/2016
44.1	Electrical and Telephonic Modifications for Elevators for Solids Handling Building and Digester Control Building (CR-037A) PR 4286 Task 3510	C	FBB	\$38,882.06						0				
44.2	Odor Control Recirculation Pump Selector Switch SCADA Modifications (CR-343) PR 4286 Task 3510	A	IRWD	\$9,294.71						0				
44.3	SCADA Valve Matrix Tables Animation Clarification for Milestone 1 (CR-353) PR 4286 Task 3510	A	IRWD	\$9,195.86						0				
44.4	PLC Status Object Update (CR-234) PR 4286 Task 3510	B	FBB	\$4,783.14						0				
44.5	Elevator Safety Beam in the Digester Control Building (CR-302) PR 4286 Task 3505	C	FBB	\$3,830.95						0				
44.6	Masonry Changes to the North Retaining Wall (CR-365) PR 4286 Task 3505	B	IRWD	\$8,926.27						0				

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**MWRP Biosolids and Energy Recovery Facilities
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Design Engineer: Black & Veatch

Change Order	Description	Category	IRWD or FBB	Contract Amount						Contract Days				Original Completion Date:
				Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	10/28/2016
														Original Contract Amount: \$163,465,940.00
45	Approved by Board of Directors Approved on July 25, 2016/December 20, 2016 Recovery Plan PR 4286 Task 3510	B	FBB	\$9,250,000.00	\$9,250,000.00	\$5,261,450.83	\$14,511,450.83	8.88%	\$177,977,390.83	368	0	368	1,646	10/31/2017
46	Approved by General Manager Approved on January 27, 2017				\$94,696.76	\$14,511,450.83	\$14,606,147.59	8.94%	\$178,072,087.59	0	368	368	1,646	10/31/2017
46.1		C	IRWD	\$1,457.22						0				
46.2	Additional Auto Dialer (CR-234A) PR 4286 Task 3510	A	IRWD	\$6,081.90						0				
46.3	Grating and Handrail Modifications at Bulk Polymer Storage Platform (CR-300) PR 4286 Task 3505	A	IRWD	\$5,568.83						0				
46.4	SCADA IP Address Update (CR-309) PR 4286 Task 3510	A	IRWD	\$1,227.96						0				
46.5	Masonry Modifications at Solids Handling Building Stairwell (CR-324) PR 4286 Task 3505	C	FBB	\$5,939.45						0				
46.6	Change in Valve Operator at the Centrate Treatment Facility (CR-329) PR 4286 Task 3520	A	IRWD	\$4,824.29						0				
46.7	Boot Wash Landing Addition (CR-349) PR 4286 Task 3505	C	FBB	\$1,834.60						0				
46.8	Updating Valve Analog SCADA Template (CR-354) PR 4286 Task 3510	A	IRWD	\$692.72						0				
46.9	Additional Light Fixtures and Lamps (CR-355A) PR 4286 Task 3510	A	IRWD	\$8,508.46						0				
46.10	Addition of Rebate Angle in the FOG Unloading Sump Area (CR-363) PR 4286 Task 3505	A	IRWD	\$763.62						0				
46.11	MCC-4103 Hot Water Circulation Pump Breakers Change (CR-366) PR 4286 Task 3510	B	IRWD	\$2,316.03						0				
46.12	MCC-4100/4101 Cake Transfer Pump Breakers Change (CR-370) PR 4286 Task 3510	B	IRWD	\$23,720.61						0				
46.13	MCC-4102 Breaker Change (CR-374) PR 4286 Task 3510	B	IRWD	\$2,316.03						0				
46.14	SCADA Programming Modifications During Benchtest No.1 for Areas 1900 and 2000 (CR-376) PR 4286 Task 3510	A	IRWD	\$24,092.32						0				
46.15	Additional Light Fixture Above Door in Digester Control Building Gas Room (CR-399) PR 4286 Task 3510	A	IRWD	\$1,478.19						0				
46.16	Change in Size of Disconnect Switches for Digested Sludge Mixers (CR-408) PR 4286 Task 3510	B	FBB	\$1,290.10						0				
46.17	Additional Thickening Feed Grinder Control Panel Circuits (CR-438) PR 4286 Task 3510	B	IRWD	\$1,286.63						0				
46.18	Thickness and Glazing Change for Windows (CR-438) PR 4286 Task 3510	C	IRWD	\$1,297.80						0				
47	Approved by General Manager Approved on February 28, 2017				\$96,414.36	\$14,606,147.59	\$14,702,561.95	8.99%	\$178,168,501.95	0	368	368	1,646	10/31/2017
47.1	Relocation of Neutralization Tank Drainage Piping PR 4286 Task 3520	B	FBB	\$2,312.08						0				
47.2	Modifications to Digester Control Building Door and Piping Due to Heating Water Expansion Tank Pad Adjustment (CR-221) PR 4286 Task 3505	C	FBB	\$5,500.74						0				
47.3	PLC-3100 Changes (CR-284) PR 4286 Task 3510	C	FBB	\$1,070.38						0				
47.4	Additional Angle Support to Acid Phase Digester Bridges (CR-298) PR 4286 Task 3505	C	FBB	\$4,986.21						0				
47.5	Additional Potable Water Gate Valves (CR-332) PR 4286 Task 3520	A	IRWD	\$3,892.44						0				

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

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

				Contract Amount						Contract Days				Original Completion Date:
				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
47.6	T-4 Kirk Key Interlock Installation (CR-335) PR 4286 Task 3510	B	IRWD	\$6,924.69						0				
47.7	Solids Handling Building Dumpster Room Channel Frames Modifications (CR-338) PR 4286 Task 3505	C	FBB	\$5,093.87						0				
47.8	PCS Server Configuration Clarification (CR-352) PR 4286 Task 3510	A	IRWD	\$6,824.35						0				
47.9	Additional Anchorage Support for Ledgers of the Digester Control Building Roof (CR-361) PR 4286 Task 3505	C	FBB	\$13,794.95						0				
47.10	Change of MCC-4103 Hot Water Circulation Pump Breakers (CR-366B) PR 4286 Task 3510	A	IRWD	\$1,336.13						0				
47.11	Centrate Treatment Facility Pull Boxes Duct Bank Settlement (CR-383) PR 4286 Task 3510	B	FBB	\$3,300.13						0				
47.12	Modifications to the MCC-4100/4101/4102/4103 (CR-405) PR 4286 Task 3510	B	FBB	\$7,418.52						0				
47.13	Cake Storage Hopper Modifications (CR-421) PR 4286 Task 3510	C	FBB	\$2,250.67						0				
47.14	Removing Installed Lighting in the Solids Handling Building (CR-427) PR 4286 Task 3510	A	IRWD	\$8,947.37						0				
47.15	Electrical Changes for Generator MPC (CR-430) PR 4286 Task 3510	A	IRWD	\$10,950.14						0				
47.16	Electrical Modifications to MCC-4100 and 4103 (CR-431) PR 4286 Task 3510	A	FBB	\$4,500.00						0				
47.17	Occupancy Sensors in the Solids Handling Building Shower Areas (CR-444) PR 4286 Task 3510	C	FBB	\$1,601.36						0				
47.18	Digester Gas Pre-Treatment In-Slab Conduit Size Change (CR-454) PR 4286 Task 3510	C	FBB	\$5,710.33						0				

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				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
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48	Approved by Board of Directors Approved on March 13, 2017				\$728,237.74	\$14,702,561.95	\$15,430,799.69	9.44%	\$178,896,739.69	0	368	368	1,646	10/31/2017
48.1	Structural Modifications of the Elevator Shafts (CR-037) PR 4286 Task 3505200) PR 4286 Task 3505	B	FBB	\$58,705.90						0				
48.2	SCADA Programming Update of Polymer Feed and Storage System (CR-148A) PR 4286 Task 3510	A	FBB	\$23,685.14						0				
48.3	Stairs and Platform at SHB Load-Out Area (CR-149) PR 4286 Task 3505	C	FBB	\$39,622.65						0				
48.4	Additional Polymer Dilution Flow Meters and Associated Conduits and Cables (CR-159B) PR 4286 Task 3510	A	IRWD	\$38,978.70						0				
48.5	Miscellaneous Andritz Items (CR-205) PR 4286 Task 3520	A	IRWD	\$41,246.71						0				
48.6	RIO-4001 Changes (CR-286) PR 4286 Task 3510	A	IRWD	\$27,889.74						0				
48.7	RIO-3102 Changes (CR-310) PR 4286 Task 3510	A	IRWD	\$18,280.62						0				
48.8	Mini Power Center - Additional Outlet and Data Locations in the SHB (CR-419) PR 4286 Task 3510	A	IRWD	\$13,261.60						0				
48.9	New Lighting in the SHB First Floor Area (CR-427A) PR 4286 Task 3510	A	IRWD	\$102,503.46						0				
48.10	Additional Conduits and Cables for Thermocouples for Several Pumps (CR-424, CR-424A through CR-424F) PR 4286 Task 3510	B	FBB	\$54,982.68						0				
48.11	Additional Wall Panel Framework at the SHB (CR-445) PR 4286 Task 3505	C	FBB	\$128,000.00						0				
48.12	Changes in Uninterruptible Power Supply Units (CR-162/CR-162A) PR 4286 Task 3510	A	IRWD	\$128,052.94						0				
48.13	Addition of Circuit Breaker at Transformer T-14 (CR-474) PR 4286 Task 3510	A	IRWD	\$53,027.60						0				

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**MWRP Biosolids and Energy Recovery Facilities
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Construction Change Order Summary**

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Design Engineer: Black & Veatch

				Contract Amount						Contract Days				Original Completion Date:
				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
49	Approved by Board of Directors Approved on March 13, 2017				(\$47,099.20)	\$15,430,799.69	\$15,383,700.49	9.41%	\$178,849,640.49	0	368	368	1,646	10/31/2017
49.1	Related Mechanical Piping Modifications Due to Change in Chemical Pumps in CCO No. 42 (CR-054A) PR 4286 Task 3520	E	FBB		(\$23,897.73)					0				
49.2	Changing the Solids Handling Building Roofing from EPDM to PVC (CR-255) PR 4286 Task 3505	E	FBB		(\$9,000.00)					0				
49.3	Net Reduction of Scope of Work in CR-353 – SCADA Valve Matrix Tables Animation Clarifications (CR-353B/353C) PR 4286 Task 3510	A	IRWD		(\$4,429.09)					0				
49.4	Change in Starters for MCC-4100/4101 Cake Transfer Pump Breakers (CR-370A) PR 4286 Task 3510	A	IRWD		(\$4,047.43)					0				
49.5	Deletion of Insulation for the Solids Handling Building Foundation (CR-393) PR 4286 Task 3505	A	IRWD		(\$5,724.95)					0				
50	Approved by Executive Director of Engineering & Water Quality Approved on March 31, 2017				\$72,150.89	\$15,383,700.49	\$15,455,851.38	9.46%	\$178,921,791.38	0	368	368	1,646	10/31/2017
50.1	Electrical Modifications to FOG Local Control Panel 70-LCP-0710 (CR-304) PR 4286 Task 5.30	A	IRWD		\$6,614.77					0				
50.2	Condensate Modifications at Digester Gas Pre-Treatment Area (CR-312) PR 4286 Task 5.31	C	FBB		\$9,826.09					0				
50.3	Installation of Lindapters Instead of Eye Bolts (CR-413) PR 4286 Task 5.29	A	FBB		\$13,346.01					0				
50.4	T-5 Connection to Biosolids Switch-14 (CR-480) PR 4286 Task 5.30	A	IRWD		\$35,170.26					0				
50.5	Polymer Feeder Blender Skids Flow Element Grounding Conductor (CR-482) PR 4286 Task 5.30	C	IRWD		\$7,193.76					0				
51	Approved by Executive Director of Engineering & Water Quality Approved on March 31, 2017				(\$126,390.00)	\$15,455,851.38	\$15,329,461.38	9.38%	\$178,795,401.38	0	368	368	1,646	10/31/2017
51.1	Credit for Overtime Inspection Hours From 1/1/2016 to Through 12/31/2016 (CR-089C) PR 4286 Task 4.0	E	IRWD		(\$97,570.00)					0				
51.2	Credit for Overtime Inspection Hours From 1/1/2017 to Through 03/31/2017 (CR-089D) PR 4286 Task 4.0	E	IRWD		(\$28,820.00)					0				

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				Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	10/28/2016
														Original Contract Amount: \$163,465,940.00
52	Approved by General Manager Approved on April 28, 2017				\$98,342.16	\$15,329,461.38	\$15,427,803.54	9.44%	\$178,893,743.54	0	368	368	1,646	10/31/2017
52.1	Removal of Unsuitable Alluvium (CR-146H) PR 4286 Task 5.29	B	FBB	\$3,564.32						0				
52.2	Polymer Dilution Water Flowmeters (CR-159A) PR 4286 Task 5.31	A	IRWD	\$14,090.39						0				
52.3	Aluminum Handrail and Guardrail Modifications at Liquid Chemical and Polymer Areas (CR-171) PR 4286 Task 5.30	A	IRWD	\$13,765.20						0				
52.4	Modifications Due to Solids Handling Building Electrical Room Equipment Clearance Issues (CR-196) PR 4286 Task 5.30	C	FBB	\$9,382.01						0				
52.5	Data and Telephone Outlets in Solids Handling Building (CR-261) PR 4286 Task 5.30	A	IRWD	\$27,620.21						0				
52.6	HVAC Duct Modifications in Dewatering Feed Pump Station (CR-268) PR 4286 Task 5.31	C	FBB	\$16,023.50						0				
52.7	Coating of 8 Roll-up doors (CR-358) PR 4286 Task 5.29	A	IRWD	\$5,710.32						0				
52.8	Upsizing Wire Size of Dewatering Feed Pump Station Main Breaker Light Panel LP-3501 (CR-390) PR 4286 Task 5.30	A	IRWD	\$1,449.75						0				
52.9	Modifications to the Roofs of the Solids Handling Building and Digester Control Building (CR-528) PR 4286 Task 5.29	A	IRWD	\$6,736.46						0				
53	Exe. Director of Water Quality and Engineering Approved on June 5, 2017				\$42,281.96	\$15,427,803.54	\$15,470,085.50	9.46%	\$178,936,025.50	0	368	368	1,646	10/31/2017
53.1	Modifications to Regenerative Thermal Oxidizer (RTO) Drainage and Utility Water Piping (CR-267) PR 4286 Task 5.31	C	IRWD	\$33,814.80						0				
53.2	Modifications to Liquid Chemical Feed Control Panel Wiring (CR-396) per RFI-1602 PR 4286 Task 5.30	C	FBB	\$8,467.16						0				
54	Approved by General Manager Approved on June 19, 2017				\$44,210.51	\$15,470,085.50	\$15,514,296.01	9.49%	\$178,980,236.01	0	368	368	1,646	10/31/2017
54.1	Modifications to Thickening and Dewatering Platforms (CR-195) PR 4286 Task 5.29	C	FBB	\$44,210.51						0				
55	Approved by General Manager Approved on July 3, 2017				\$94,352.43	\$15,514,296.01	\$15,608,648.44	9.55%	\$179,074,588.44	0	368	368	1,646	10/31/2017
55.1	Additional Pipe Supports of 54-Inch Fiberglass Reinforced Air Duct (CR-106A) PR 4286 Task 5.29	C	FBB	\$14,211.18						0				
55.2	Natural Gas Step Down Manifolds and Gas Transition Piping (CR-146G) PR 4286 Task 5.29	B	IRWD	\$20,489.32						0				
55.3	Modifications to the West End Stair Landing of the Solids Handling Building (CR-315) PR 4286 Task 5.29	B	IRWD	\$5,622.11						0				
55.4	Regenerative Thermal Oxidizer (RTO) Pad Modifications (CR-400) PR 4286 Task 5.29	C	FBB	\$8,471.16						0				
55.5	Addition of Thin Client at the Dryer Facility (CR-485) PR 4286 Task 5.30	A	IRWD	\$36,874.10						0				
55.6	Change in Size to 2 Check Valves in the Digester Control Building (CR-514) PR 4286 Task 5.31	C	FBB	\$8,684.56						0				
56	Approved by Board Approved on July 24, 2017				\$201,744.33	\$15,608,648.44	\$15,810,392.77	9.67%	\$179,276,332.77	0	368	368	1,646	10/31/2017
56.1	Addition Of Stairs and Platform to RTO (CR-266) PR 4286 Task 5.29	A	IRWD	\$101,744.33						0				
56.2	Microturbine CLC (ESC Capstone) per RFI 1141 (CR-277) PR 4286 Task	B	FBB	\$100,000.00						0				

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				Original Contract Amount: \$163,465,940.00						Original Days: 1,278				10/28/2016
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57	Approved by General Manager Approval on August 5, 2017				\$98,886.90	\$15,810,392.77	\$15,909,279.67	9.73%	\$179,375,219.67	0	368	368	1,646	10/31/2017
57.1	Additional Support at Digester Control Building (CR-342) PR 04286 Task 5.29	C	IRWD	\$2,522.47						0				
57.2	Pipe and Duct Hanger Modifications (CR-362) PR 04286 Task 5.29	C	IRWD	\$4,083.12						0				
57.3	Increase Wire Size of Main Breaker PP-3501 (CR-418) PR 04286 Task 5.30	C	FBB	\$696.66						0				
57.4	Roof Vent at DCB Elevator/Stair Tower (CR-437) PR 04286 Task 5.29	B	IRWD	\$8,563.72						0				
57.5	T-14 Fixed Type Manual Operator per Submittal 16443-0016A (CR-540) PR 04286 Task 5.31	C	IRWD	\$1,945.62						0				
57.6	Area Classification at Methane Digesters to meet NFPA Table 6.2(a) - Plug Valves Limit Switches (CR-557) PR 04286 Task 5.30	C	FBB	\$64,195.15						0				
57.7	Area Classification at Methane Digesters to meet NFPA Table 6.2(a) - Sump Pump Cable Retrofit PR 04286 Task 5.30	C	FBB	\$16,880.16						0				

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														Original Contract Amount: \$163,465,940.00
58	Approved by Board of Directors Approval on August 28, 2017				\$182,938.94	\$15,909,279.67	\$16,092,218.61	9.84%	\$179,558,158.61	0	368	368	1,646	10/31/2017
58.1	Concrete Cap over Shallow Pipe Crossings (CR-348) PR 04286 Task 5.31	B	FBB	\$7,923.00						0				
58.2	Additional Conduit and Wiring for Sludge Screen Moisture Sensors (CR-381) PR 04286 Task 5.30	C	FBB	\$8,355.32						0				
58.3	SCADA Programming Modifications (CR-433/476/546/547/551) PR 04286 Task 5.30	A	IRWD	\$15,758.38						0				
58.4	Polymer Storage Power Panels Wire and Breaker Modifications (CR-456) PR 04286 Task 5.30	C	FBB	\$24,238.65						0				
58.5	Odor Control Starter Modifications (CR-466) PR 04286 Task 5.30	B	FBB	\$41,436.09						0				
58.6	Odor Control Fan Remote Temperature Device Revisions (CR-522) PR 04286 Task 5.30	A	IRWD	\$52,484.50						0				
58.7	Re-location of Digester Control Building Gas Room Local Control Panels (CR-534) PR 04286 Task 5.30	A	FBB	\$32,743.00						0				
59	Approved by Exe. Director of Water Quality and Engineering Approval on September 6, 2017				\$98,988.68	\$16,092,218.61	\$16,191,207.29	9.90%	\$179,657,147.29	0	368	368	1,646	10/31/2017
59.1	Modifications to Building 101 (CR-212) PR 04286 Task 5.30	E	FBB	\$26,500.00						0				
59.2	Change in Conduit Size in Area 20 (CR-292) PR 04286 Task 5.10	C	FBB	\$1,946.70						0				
59.3	Centrifuge Discharge Cake Conveyors Schematic Modifications (CR-422) PR 04286 Task 5.10	C	FBB	\$6,410.04						0				
59.4	Power Monitor Programming Modifications (CR-539) PR 04286 Task 5.10	A	IRWD	\$2,595.60						0				
59.5	SCADA Programming Modifications (CR-547A) PR 04286 Task 5.10	A	IRWD	\$1,574.86						0				
59.6	Change in Area Classification at Methane Digesters to meet NFPA Standards - MOVs (CR-557B) PR 04286 Task 5.10	C	FBB	\$54,736.73						0				
59.7	FOG Heating Disconnect Switch Relocation (CR-559) PR 04286 Task 5.10	C	FBB	\$5,224.75						0				
60	Approved by Exe. Director of Water Quality and Engineering Approval on September 5, 2017				(\$34,540.00)	\$16,191,207.29	\$16,156,667.29	9.88%	\$179,622,607.29	0	368	368	1,646	10/31/2017
60.1	Credit for Overtime Inspection Hours From 4/1/2017 Through 6/30/2017 (CR-089E) PR 04286 Task 4.0	E	FBB	(\$34,540.00)						0				

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

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

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

Change Order	Description	Category	IRWD or FBB	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Contract Days				Original Completion Date:		
										Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Original Contract Amount: \$163,465,940.00	Original Days: 1,278	10/28/2016
														Revised Contract Amount	Revised Contract Days	Revised Completion Date
61	Approved by Exe. Director of Water Quality and Engineering Approved on September 6, 2017 61.1 Credit for Bulk Polymer Storage Changes per RFI-0863 and Submittal 15140-013B (CR-168) PR 04286 Task 5.16	E	FBB	(\$1,752.39)	(\$1,752.39)	\$16,156,667.29	\$16,154,914.90	9.88%	\$179,620,854.90	0	368	368	1,646	10/31/2017		
62	Pending Approval by Board of Directors Pending Approval on October 9, 2017 62.1 Fats, Oil, and Grease (FOG) Modifications (CR-223A) PR 04286 Task 5.30 62.2 Density Meter Conduit and Cabling Modifications (CR-326) PR 04286 Task 5.30 62.3 Fiber Optic Modifications (CR-356) PR 04286 Task 5.30 62.4 Sludge Screen Pneumatic Control Panel Conduit and Cabling (CR-380) PR 04286 Task 5.30 62.5 Additional Circuits for Control of the Thickening Centrifuges (CR-386) PR 04286 Task 5.30 62.6 Upsize of Power Panel PP-8001 Circuit Breaker (CR-414) PR 04286 Task 5.30 62.7 Electrical Power Feeders to Electric Water Heater (CR-426) PR 04286 Task 5.30 62.8 Chemical Sump Pump Control Panel Space Heater Wiring Modifications (CR-461) PR 04286 Task 5.30 62.9 Relocate Electrical Feeders to Generator Bus (CR-462) PR 04286 Task 5.30 62.10 Electrical and Instrumentation Related Components for the Installation of Thin Client at Dryer Facility (CR-485A) PR 04286 Task 5.30 62.11 Polymer Room Eye Wash Station Flow Switches (CR-535) PR 04286 Task 5.30 62.12 Chemical Storage and Feed Modifications (CR-563) PR 04286 Task 5.30 62.13 PLC Redundancy Hot Standby Status Register (CR-568) PR 04286 Task 5.30	A	IRWD	\$52,174.90	\$708,162.72	\$16,154,914.90	\$16,863,077.62	10.32%	\$180,329,017.62	0	368	368	1,646	10/31/2017		
63	Pending Approval by General Manager Pending Approval on October 2, 2017 63.1 Electrical Modifications to RIO-2001 (CR-269) PR 04286 Task 5.30 63.2 Modifications to RIO-4002 (CR-285) PR 04286 Task 5.30 63.3 Cap for 12-Inch Storm Drain (CR-351) PR 04286 Task 5.16 63.4 Access Hatch for Regenerative Thermal Oxidizer Pipe Chase (CR-473) PR 04286 Task 5.31 63.5 Electrical Upgrades to RIO-4002 (CR-447) PR 04286 Task 5.30	C	IRWD	\$30,563.48	\$91,766.09	\$16,863,077.62	\$16,954,843.71	10.37%	\$180,420,783.71	0	368	368	1,646	10/31/2017		
64	Pending Approval by Board of Directors Pending Approval on October 23, 2017 64.1 Modifications to Centrate Treatment Facility Stairs (CR-379) PR 04286 Task 5.29 64.2 Modifications to Ductwork in Solids Handling Building (CR-401) PR 04286 Task 5.31	B	FBB	\$9,758.16	\$231,100.22	\$16,954,843.71	\$17,185,943.93	10.51%	\$180,651,883.93	0	368	368	1,646	10/31/2017		

- A - District Convenience/Initiation - Project Related
- B - Differing Site Conditions
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**MWRP Biosolids and Energy Recovery Facilities
PR 21146 (4286)
Construction Change Order Summary**

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

Change Order	Description	Category	IRWD or FBB	Contract Amount						Contract Days				Original Completion Date:	
				Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Original Days: 1,278		10/28/2016	
												Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date	
64.3	Electrical Conduits and Wires for Additional Bridge Breakers for Cake Receiving Pumps (CR-416) PR 04286 Task 5.30	B	FBB	\$21,678.83							0				
64.4	Handrail Modifications at the Methane Digesters (CR-472) PR 04286 Task 5.29	B	FBB	\$22,154.53							0				
64.5	Electrical and Instrumentation Related Components for the Installation of Thin Client at Dryer Facility (CR-485B) PR 04286 Task 5.30	A	IRWD	\$53,090.84							0				
64.6	Electrical Modifications at the Motor Control Centers for the Acid Phase Sludge Heating Recirculation Pumps (CR-517) PR 04286 Task 5.30	A	IRWD	\$47,611.11							0				
64.7	FOG Receiving Pumps Thermocouple and Thermostat Wiring (CR-525) PR 04286 Task 5.30	C	FBB	\$37,826.58							0				
64.8	SCADA Programming Changes (CR-537/570/573/573A) PR 04286 Task 5.30	A	IRWD	\$23,694.13							0				
64.9	Change of Limit Switches for Buried Service (CR-560) PR 04286 Task 5.30	C	FBB	\$5,748.99							0				
65	Pending Approval by Board of Directors Pending Approval on October 23, 2017				\$149,591.14	\$17,185,943.93	\$17,335,535.07	10.60%	\$180,801,475.07		0	368	368	1,646	10/31/2017
65.1	Additional Conduits and Wires for the Engine Generator, Switchgear-16, and Switchgear-16 Programmable Logic Controller (CR-204) PR 04286 Task 5.30	C	FBB	\$100,000.00							0				
65.2	Modifications to Spirac Conveyor in the Solids Handling Building (CR-409) PR 04286 Task 5.31	B	FBB	\$13,641.00							0				
65.3	Additional Metal Bridge Walkway Structural Support Angles (CR-420) PR 04286 Task 5.29	B	FBB	\$35,950.14							0				

Category	Total Amount	% of Original Contract
A - District Convenience/Initiation - Project Related	\$ 2,518,832.06	1.54%
B - Differing Site Conditions	\$ 11,879,605.83	7.27%
C - Design Oversight	\$ 3,055,872.81	1.87%
D - District Convenience/Initiation - Non-Project Related	\$ -	0.00%
E - Contractor Convenience/Initiation	\$ (118,775.63)	-0.07%
TOTAL (A + B + C + D)	\$ 17,335,535.07	10.60%

-\$149,591.14

Category	Total Amount	% of Original Contract
IRWD-Initiation/Driven	\$ 3,284,141.35	2.01%
FBB-Initiation/Driven	\$ 13,880,673.50	8.49%
Not applicable	\$ 170,720.22	0.10%
TOTAL	\$ 17,335,535.07	10.60%

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