

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

October 27, 2014

PLEDGE OF ALLEGIANCE

CALL TO ORDER

5:00 P.M., Board Room, District Office
15600 Sand Canyon Avenue, Irvine, California

ROLL CALL

Directors Matheis, Reinhart, Swan, Withers and President LaMar

NOTICE

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

COMMUNICATIONS TO THE BOARD

1. A. Written:

B. Oral:

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

Recommendation: Determine that the need to discuss and/or take immediate action on item(s) introduced come to the attention of the District subsequent to the agenda being posted.

WORKSHOP

3. **GROUNDWATER WORK PLAN UPDATE**

Recommendation: That the Board provide input regarding the criteria used in the draft updated Groundwater Work Plan.

CONSENT CALENDAR

Next Resolution No. 2014- 47

Items 4-10

4. **RESOLUTION OF COMMENDATION FOR LESTER BUSALD**

Recommendation: That the Board adopt a resolution commending Lester Busald for his dedicated service to the District.

Reso No. 2014-

CONSENT CALENDAR - Continued

Next Resolution No. 2014- 47

Items 4-10

5. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the October 13, 2014 Regular Board Meeting be approved as presented.

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

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

7. SEPTEMBER 2014 TREASURY REPORTS

Recommendation: That the Board receive and file the Treasurer's Investment Summary report, the Monthly Interest Rate Swap Summary for September 2014, and Disclosure Report of Reimbursements to board members and staff; approve the September 2014 Summary of Payroll Ach Payments in the total amount of \$1,479,395 and approve the September 2014 Accounts Payable Disbursement Summary of Warrants 351648 through 352356, workers' compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$18,794,711.

8. MANNING AND PORTOLA ZONE 9 BOOSTER PUMP STATION GENERATOR FINAL ACCEPTANCE

Recommendation: That the Board accept construction of the Manning and Portola Zone 9 Booster Pump Station Generator, projects 11667 (4146) and 11675 (4277); 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.

9. PLANNING AREA 51 HERITAGE FIELDS DISTRICT 1 CAPITAL FACILITIES

Recommendation: That the Board authorize a budget increase for project 11673 (4268) in the amount of \$62,200, from \$424,000 to \$486,200, and for project 30394 (4278) in the amount of \$66,000, from \$398,200 to \$464,200 for the construction of streets, storm drains, domestic water, sewer and recycled water improvements under an existing Supplemental Reimbursement Agreement with Heritage Fields El Toro, LLC for Planning Area 51 (Great Park) in Heritage Fields District 1.

CONSENT CALENDAR – Continued	Next Resolution No. 2014- 47	Items 4-10
10.	<u>FATS, OILS, AND GREASE PROGRAM SERVICES CONTRACT AWARD WITH ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.</u> Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with Environmental Engineering and Contracting, Inc. in the amount of \$176,760 for the period of November 1, 2014 to October 31, 2015.	

ACTION CALENDAR

- | | | |
|-----|---|--|
| 11. | <u>MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY RECOVERY FACILITIES CONSULTANT VARIANCES</u>

Recommendation: That the Board authorize the General Manager to execute Variance No. 7 in the amount of \$21,000 with Environ International Corp. for additional air permit application preparation; authorize the General Manager to execute Variance No. 1 in the credit amount of <\$890,000> with HDR Engineering, Inc. to reduce construction management staff; and authorize the General Manager to execute Variance No. 3 in the amount of \$899,000 with Black & Veatch for replacement construction management staff for the Michelson Water Recycling Plant Biosolids and Energy Recovery facilities, project 21146 (4286). | |
| 12. | <u>MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION CONTRACT CHANGE ORDER</u>

Recommendation: That the Board approve Contract Change Order No. 115, in the amount of \$655,000, with J. R. Filanc Construction Company for modifications to the curb, paving, and hardscape for the Michelson Water Recycling Plant Phase 2 Expansion, project 30214 (1706). | |

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

OTHER BUSINESS - Continued

13. C. CLOSED SESSION CONFERENCE WITH LEGAL COUNSEL RELATIVE TO ANTICIPATED LITIGATION - Government Code Section 54956.9(d)(4) - initiation of litigation (one potential case)

CLOSED SESSION CONFERENCE WITH REAL PROPERTY NEGOTIATOR RELATIVE TO (Government Code Section 54956.8)

Property: OCSD Service Area 7 Sewer Infrastructure

Agency Negotiator: Paul Cook, General Manager

Purpose of Negotiations: Proposed Acquisition of Property - Price and terms

- 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.

DS

October 27, 2014

Prepared by: M. Hoolihan

Submitted by: K. Burton 

Approved by: Paul Cook 

WORKSHOP

GROUNDWATER WORK PLAN UPDATE

SUMMARY:

Staff will present an updated Groundwater Work Plan (GWWP) with a focus on a review of the methodology and specific assumptions used for analyzing groundwater requirements, and of the effects of the various options of the Basin Production Percentage (BPP). The GWWP incorporates comments from the Engineering and Operations Committee and identifies specific projects to meet near-term requirements.

BACKGROUND:

In September 2012, staff presented an updated version of the GWWP to the Board. The major considerations for calculating groundwater needs for that work plan were:

- future annexations to Orange County Water District (OCWD);
- assumptions for including recycled water in the BPP calculation;
- IRWD's reliability requirements; and
- IRWD's BPP goal of 75%.

In the September 2012 update, various scenarios were presented using assumptions with and without IRWD's proposed annexation and including or excluding recycled water in the BPP calculation. Since that time a number of changes have occurred that will have an impact on the groundwater work plan. These include:

- OCWD Annexation – IRWD's proposed annexation of approximately 5,300 acres of developed land into OCWD became effective on July 1, 2014. As part of the Annexation Agreement IRWD also agreed to the following that impact the GWWP:
 - The Deep Aquifer Treatment System (DATS) Basin Equity Assessment exemption expired on June 30, 2014; and
 - A maximum BPP of 70% over the next 10 years starting on July 1, 2014.
- Wells 21 and 22 Project – The completion of this project in 2013 allows IRWD to produce groundwater from the Wells 21 and 22 project. This project is exempt from the BPP until 2032.

With the completion of IRWD's recent annexation to OCWD and the assumption that IRWD and OCWD will include recycled water in the BPP calculation in the near future, the remaining considerations for the GWWP are the BPP goal and IRWD's water reliability requirements. The following is a summary of the current status of these two criteria:

- **BPP Goal:** The BPP, set annually by OCWD, defines how much groundwater can be pumped by a producer as a percentage of the producer's total demand. IRWD's current criterion is to have enough production capacity to meet OCWD's stated long-term goal of a 75% BPP. In past work plans a 75% BPP was assumed for setting both near-term and long-term production requirements, although lower BPPs were presented for reference purposes.
- **Water Reliability Requirements:** The 2008 IRWD Reliability Study recommended developing sufficient local water production capacity for a reliable water supply mix in the most critical supply outage scenario, which would be a Diemer outage for six months or more. Enough local water supplies would need to be developed to meet a full maximum day water demand scenario minus 20% in emergency conservation. An updated reliability study is being completed and any changes to the current reliability requirements will be incorporated into future GWWPs.

Staff will present a review of both of these criteria including how groundwater requirements and timing of proposed projects are analyzed, what the groundwater requirements are at various BPPs, and the potential impacts to production capacity based on various BPPs. The presentation includes recommendations to update IRWD's BPP goal as reviewed in the Engineering and Operations Committee and will outline the next steps that will be taken to meet near-term groundwater requirements. A draft of the GWWP presentation is attached as Exhibit "A".

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15262 provides exemption for planning studies.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on September 23, 2014.

RECOMMENDATION:

THAT THE BOARD PROVIDES INPUT REGARDING THE CRITERIA USED IN THE DRAFT UPDATED GROUNDWATER WORK PLAN.

LIST OF EXHIBITS:

Exhibit "A" – Draft Groundwater Work Plan Presentation

Groundwater Work Plan

IRWD Board Workshop

October 27, 2014



Agenda

1. Basin Production Percentage (BPP) Methodology
2. Reliability Requirements
3. Groundwater Production Goal
4. Recommended Projects and Priorities

Basin Production Percentage (BPP)

Basin Production Percentage (BPP) is the percent of total water usage an agency can pump from the groundwater basin.

BPP Basic Formula

$$\text{Total Water Use} \times \text{BPP} = \text{Groundwater Production Limit}$$

(2013-14 BPP = 70%)



IRWD Adjusted Formula

- Adjusted for parts of IRWD outside OCWD
- Adjusted for use of Recycled Water

$$\left(\text{Total Water Use} - \text{Total Water Used Outside OCWD} - \text{Total Recycled Water Use Inside OCWD} \right) \times \text{BPP} = \text{Groundwater Production Limit}$$

Groundwater Requirements Criteria

IRWD'S Adjusted Formula

$$\left(\text{Total Water Use} - \text{Total Water Used Outside OCWD} - \text{Total Recycled Water Use Inside OCWD} \right) \times \text{BPP} = \text{Groundwater Production Limit}$$

Criteria for Calculating Groundwater Requirements

Future Annexation Assumptions

- 5,300 acre annexation accomplished as of July 1, 2014
- IRWD agreed to no new annexation request for 20 years

Future of Recycled Water and the BPP Calculation

- Assume recycled water will be included in the BPP Calculation in the near future

IRWD's Reliability Requirements
IRWD's GW Production Goal

IRWD Existing Groundwater Summary

Potable Water Well Project	Capacity for Reliability (cfs)	Assumed Percent Utilization	Non-exempt GW Production (AFY)	Exempt GW Production (AFY)	Comments
DRWF	80.0	48%	28,000	-	DRWF Agreement : 20,000 afy limit & 8,000 afy matching (DATS)
DATS	12.2	90%	8,000	-	
IDP	6.3	90%	-	4,100	No expiration on exemption from BEA
Wells 21 & 22	9.7	90%	-	6,330	Exempt from BEA though 2032
Other (Well 115, OPA, LF2)	7.0	90%	2,150	430	Lake Forest Well 2 not in OCWD
Total	115.2		38,150	10,860	

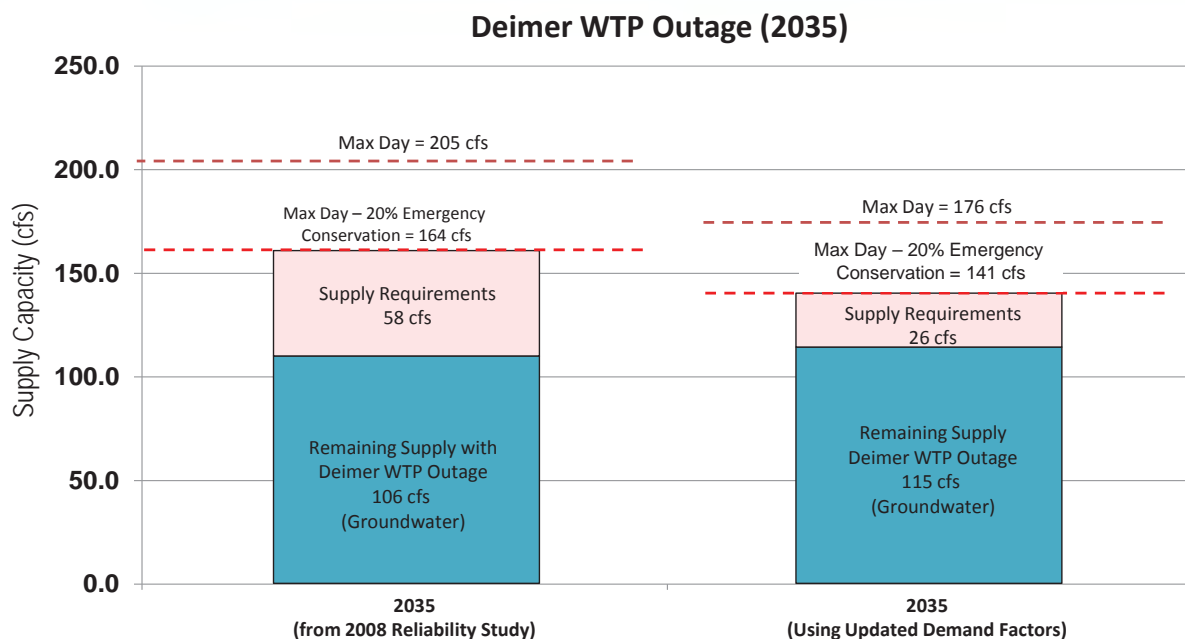
Reliability Requirements Review



IRWD Reliability Requirements

- 2008 Reliability Study
 - Recommended IRWD maintain enough local supplies to meet a maximum day demand minus 20% in emergency conservation
- 2015 Reliability Study Update
 - Proposals received in October, award in November
 - Changes in reliability recommendations will be incorporated into future Groundwater Work Plans

2008 Reliability Study Review



Reliability Requirements

Reliability Requirement (@ 2035)	26 cfs
Baker Treatment Plant	- 10.5 cfs
Remaining Reliability Requirements	15.5 cfs

Groundwater Requirements = 15.5 cfs

Adding 15.5 cfs of GW production capacity would give IRWD the ability to pump to approximately a **68% BPP** in 2035.

IRWD Groundwater Production Goal



IRWD GW Production Goal

Existing GW Production Goal

- Current goal is to develop enough groundwater production capacity to pump up to a 75% BPP in 2035.

Changed conditions since last update

- IRWD BPP capped at 70% though 2024-25;
- DATS project is non-exempt as of July 1, 2014.

Recommended GW Production Goal

- Develop capacity to pump up to a 70% BPP through 2025;
- Increase capacity to 75% after 2025 through joint well projects with other agencies;
- Maximize cost effective GW production outside OCWD.

Capital Cost Requirements

IRWD BPP Goal	Additional Requirements in 2035	Approximate Capital Cost
65%	7,700 af	3 New Well Projects = \$54 million
70%	11,700 af	4 New Well Projects = \$78 million
75%	15,800 af	6 New Well Projects = \$108 million

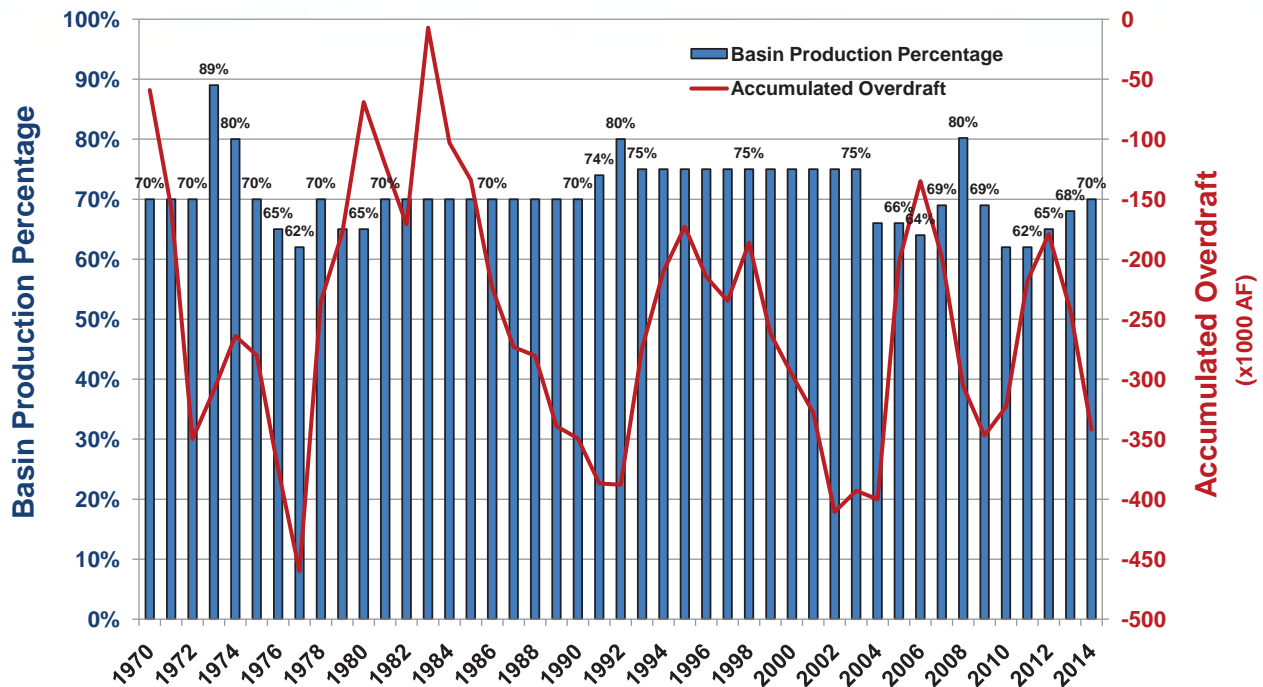
Based on planning estimate of 1 future well = 2,700 AFY or 1,860 gpm @ \$18M per well.

Unused Well Capacities at Various BPP Goals

IRWD BPP Goal	Additional Requirements in 2035	Unused Well Capacity (@ various BPPs set by OCWD)		
		BPP = 65%	BPP = 70%	BPP = 75%
65%	7,700 af (3 wells)	-	-	-
70%	11,700 af (4 wells)	4,000 af	-	-
75%	15,800 af (6 wells)	8,100 af	4,100 af	-

Assuming IRWD were to build 6 wells to produce up to a 75% BPP Goal and OCWD set the actual BPP to 65% on a given year, IRWD would potentially have 3 of these well projects (or 8,100 af of capacity) that would not be used that year.

OCWD Basin Production Percentage History

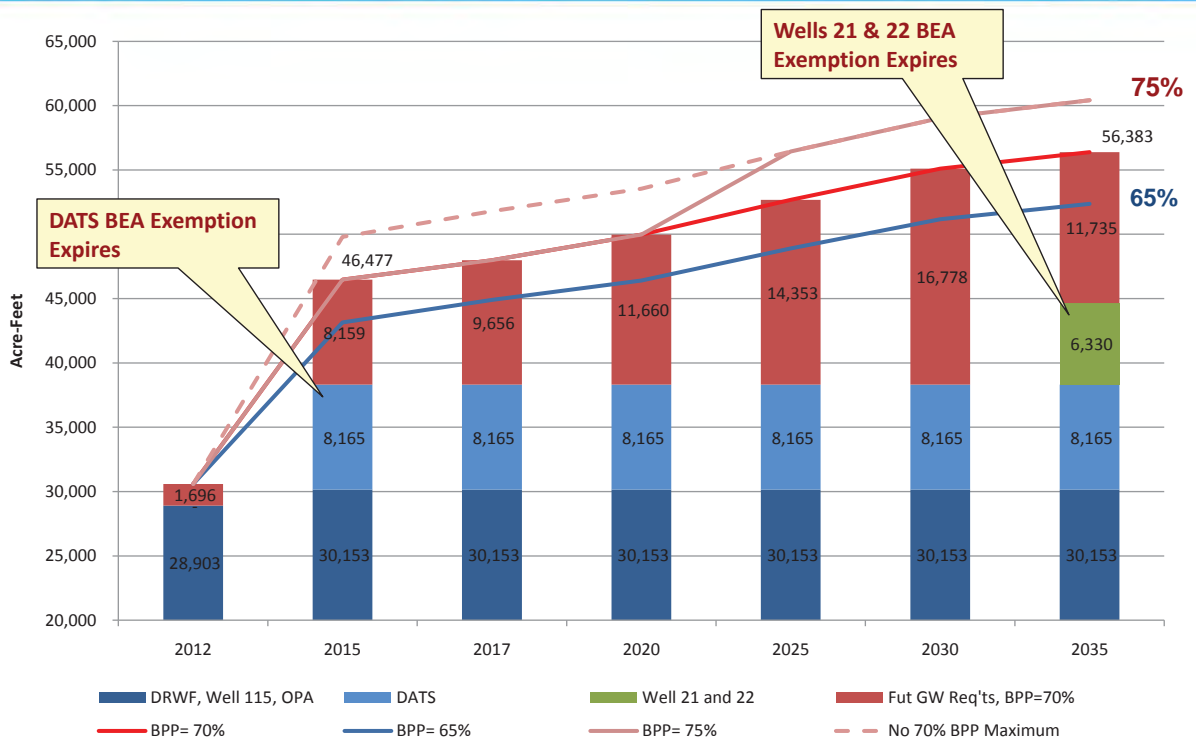


Historical Breakdown of BPP

	Less than or equal to 65%	Less than or equal to 70%	Greater than 70%
Since 1970	17%	63%	37%
Since 2004	33%	83%	17%

Past trends indicate that future BPPs will be at or below 70% most years.

Groundwater Requirements at 70% BPP



Groundwater Requirements at 70% BPP

Recycled Water included in BPP Calc & 70% BPP

**2020 Groundwater Requirements
= 11,660 AFY**

**2035 Groundwater Requirements
= 11,735 AFY**

Near Term Groundwater Projects

Recycled Water included in BPP Calc & 70% BPP

**2020 Groundwater Requirements
= 11,660 AFY**

- Well TL-Redhill Blending Option (1,450 AFY)
- Well 112 to IDP Treatment Plant (1,250 AFY)
- Well TL-Park Blending Option (1,450 AFY)
- Well 52 Blending/TP (1,161 AFY / 7,100 AFY)

Near Term Project Evaluation

Project Description	Net Yield AFY	Estimated Capital Cost	Capital and O&M \$/AF	Project Implementation Duration (years)
Tustin Legacy on Redhill Blending (Treatment)	1,450 (1,290)	\$8,525,000 (\$11,440,000)	\$766 (\$1,400)	2.2 (3.0)
Well 112 Treatment at IDP-PTP	1,260	\$12,662,000	\$1,211	3.0
Tustin Legacy Well at Park Blending (Treatment)	1,450 (1,290)	\$9,268,000 (\$12,200,000)	\$799 (\$1,435)	2.2 (3.0)
Well 52 Treatment Plant (Blending)	7,113 (1,160)	\$30,960,000 (\$8,074,000)	\$702 (\$832)	3.3 (2.2)
<u>Other Projects</u>				
Lake Forest Wells	500	\$5,815,350	\$435	2.0
West OC Well (OCWD)	4,350	\$20,066,450	\$828	2.1
OPA-2 Future Demand	1,870	\$3,794,420	\$588	2.1

Recommendations

Staff Recommendations

- Construct new IRWD well projects to develop production capacity to meet 70% BPP
- Explore opportunities for joint well projects with other groundwater producers to develop production capacity to meet 75% BPP after 2025
- Maximize cost effective GW production outside OCWD

Recommendations

Staff Recommendations for Near Term Projects

- Continue Acquisition of TL-Redhill and TL-Park Wells
 - Drill 1 well for capacity and water quality analysis
- Evaluate Well 112 IDP Treatment Option
 - LRP funding
- Proceed with Well 52 Blending/Treatment Study

Other Projects


- Track West OC Well Project with OCWD
- Complete analysis of Lake Forest Wells 3 & 7

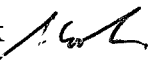
Questions



October 27, 2014

Prepared by: R. Lee

Submitted by: P. Sheilds 

Approved by: Paul A. Cook 

CONSENT CALENDAR

RESOLUTION COMMENDING LESTER BUSALD
FOR HIS SERVICE TO THE DISTRICT

SUMMARY:

As Mr. Lester Busald will be retiring from the District following 35 years of dedicated and outstanding service, staff has prepared a resolution (provided as Exhibit "A") to honor him.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE BOARD ADOPT THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2014-47

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT COMMENDING
LESTER BUSALD FOR HIS DEDICATED AND
LOYAL SERVICE TO THE DISTRICT

LIST OF EXHIBITS:

Exhibit "A" – Resolution

EXHIBIT "A"

RESOLUTION NO. 2014 – 47

RESOLUTION OF THE BOARD OF DIRECTORS
OF IRVINE RANCH WATER DISTRICT COMMENDING
LESTER BUSALD FOR HIS DEDICATED AND
LOYAL SERVICE TO THE DISTRICT

WHEREAS, Lester Busald began his career with the Irvine Ranch Water District on January 2, 1979 as a Utility Worker; was promoted to Operator I in the Recycling Operations Department in March of the same year; to Operator II in 1981 and Operator III in 1984; to Lead Operator in 1999, and then promoted to Operations Supervisor in 2004.

WHEREAS, in Lester's career he achieved a certification from the California State University Sacramento for "Operations of Wastewater Treatment Plants, Volume III" in 1982, and achieved a Grade III certification for "Wastewater Treatment Plant Operator" in 1984 from the California State Water Resources Control Board; and

WHEREAS, Lester has provided the District with 35 years of dedicated, loyal, enthusiastic, and spirited service. He is also known for his ability to inspire, and work well with fellow employees; and

WHEREAS, Lester has been involved with many successful project startups over the years including the Michelson Water Recycling Plant (MWRP) Phase 1 Upgrade Project and MWRP Phase II Expansion Project; and

WHEREAS, Lester was responsible for generating the Plant Operations Monthly Report and the Critical Alarm Surveillance Testing Program that has protected the MWRP operations and assured a great regulatory compliance record; and

WHEREAS, Lester has tirelessly dedicated his life and career to serve the best interests of the District and the community it serves; and

WHEREAS, all employees who know Lester will genuinely miss him; and

NOW, THEREFORE, BE IT RESOLVED, the Board of Directors of the Irvine Ranch Water District commends Lester Busald for his long and loyal service. His dedication and outstanding service which he has rendered to the District stands as an example to all employees. On this occasion the Board extends the best wishes for Les in his retirement.

SIGNED and APPROVED this 27th day of October 2014.

Steven LaMar
President

October 27, 2014

Prepared and

Submitted by: L. Bonkowski

Approved by: P. Cook



CONSENT CALENDAR

MINUTES OF REGULAR BOARD MEETING

SUMMARY:

Provided are the minutes of the October 13, 2014 Regular Board Meeting minutes for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE OCTOBER 13, 2014 REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – Minutes of October 13, 2014 Regular Board Meeting

EXHIBIT "A"

MINUTES OF REGULAR MEETING – OCTOBER 13, 2014

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President LaMar on October 13, 2014 in the District office, 15600 Sand Canyon Avenue, Irvine, California.

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

Directors Absent: None.

Also Present: General Manager Cook, Executive Director of Engineering Burton, Executive Director of Finance Clary, Executive Director of Operations Sheilds, Executive Director of Water Policy Weghorst, Director of Treasury and Risk Management Jacobson, Director of Administration Mossbarger, Director of Public Affairs Beeman, Director of Human Resources Roney, Assistant Director of Water Operations Roberts, Legal Counsel Arneson (by teleconference), Secretary Bonkowski, Mr. Ray Bennett, Mr. Steve Malloy, Mr. Ian Swift, Ms. Christine Compton, Mr. Jim Reed, Mr. Justin Cox and other members of the public and staff.

WRITTEN COMMUNICATION: None.

ORAL COMMUNICATION

- 1) Mrs. Joan Irvine Smith's assistant addressed the Board of Directors with respect to the Dyer Road Wellfield. She said it was her understanding that currently wells 2, 4, 6, C-8, C-9, 10, 11, 12, 13, 14, 15, and 17 will operate in accordance with the District's annual pumping plan and that wells 1, 3, 5, 7 and 16 will be off. This was confirmed by Mr. Cook, General Manager of the District.
- 2) Mr. Justin Cox, a resident of Santa Ana Heights, thanked conservation staff for their assistance and support relative to water quality issues from runoff going into the Upper Newport Bay.

ITEMS TOO LATE TO BE AGENDIZED: None.

CONSENT CALENDAR

Director Reinhart asked that Item No. 13, Michelson Water Recycling Plant Protective Coasting Final Acceptance on the Consent Calendar be moved to the Action Calendar for discussion. There being no objection, this item was moved accordingly. There being no further comments, on MOTION by Matheis, seconded and unanimously carried, **CONSENT CALENDAR ITEMS 3 THROUGH 12 AND 14 WERE APPROVED AS FOLLOWS:**

CONSENT CALENDAR (CONTINUED)

3. MINUTES OF REGULAR BOARD MEETING

Recommendation: That the minutes of the September 8, 2014 Regular Board meeting and September 19, 2014 Adjourned Regular Board meeting be approved as presented.

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

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

5. 2014 STATE LEGISLATIVE UPDATE

Recommendation: Receive and file.

6. AUGUST 2014 TREASURY REPORTS

Recommendation: That the Board receive and file the Treasurer's Investment Summary report, the Monthly Interest Rate Swap Summary for August 2014, and Disclosure Report of Reimbursements to Board members and staff; approve the August 2014 Summary of Payroll ACH payments in the total amount of \$1,474,933 and approve the August 2014 accounts payable Disbursement Summary of warrants 351010 through 351647, Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$16,506,738.

7. ANNUAL MICROSOFT ENTERPRISE AGREEMENT SOFTWARE MAINTENANCE RENEWAL

Recommendation: That the Board authorize staff to renew the annual Microsoft Enterprise Agreement effective December 1, 2014 through November 30, 2015 in the amount of \$107,000.

8. AUGMENTATION OF THE EXISTING PET CONTROL PROGRAM FOR VIREO AT PARK PLACE APARTMENT HOMES

Recommendation: That the Board approve SARES-REGIS Group's request for IRWD to concur with a City of Irvine waiver of the conditional ban on pets for up to 156 units at the Vireo at Park Place Apartment Homes (Vireo); accept \$8,112 in funding to support the San Joaquin Marsh Feral Animal Monitoring and Trapping Program; authorize the General Manager to approve pet restriction language in the tenant disclosure statements in lease agreements; and inform the SARES-REGIS Group that IRWD reserves the right to rescind its concurrence with the waiver of the conditional ban on pets if the number of units with pets at Vireo exceeds 156 units, if animal control becomes an issue in the future or if Feral Animal Program costs exceed the designated funding.

CONSENT CALENDAR (CONTINUED)

9. COST OF SERVICE AND RATE STUDY CONSULTANT SELECTION

Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with Carollo Engineers, Inc. in the amount of \$99,200 for the Cost of Service and Rate Study.

10. 2014 DEFERRED COMPENSATION PLAN PROVIDER CONTRACT RENEWAL AND INVESTMENT REVIEW

Recommendation: That the Board approve the retention of Great-West Retirement Services as record-keeper for the District's deferred compensation plan for a period of 10 years at a total fee not to exceed 0.11%, calculated on the average annual assets in the plan.

11. PORTOLA SPRINGS 16-INCH RECYCLED WATER PIPELINE FINAL ACCEPTANCE

Recommendation: That the Board accept construction of the Portola Springs 16-inch Recycled Water Pipeline, project 30433 (4951); 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.

12. SAN JOAQUIN MARSH CAMPUS PAVING BID REJECTION AND BUDGET INCREASE

Recommendation: That the Board reject all bids received on September 3, 2014, for the San Joaquin Marsh Campus paving project and authorize a budget increase in the amount of \$83,600, from \$231,000 to \$314,600, for the San Joaquin Marsh Campus Paving, project 11788 (5226).

14. BAKER PIPELINE CATHODIC PROTECTION UPGRADES CAPITAL BUDGET ADDITION

Recommendation: That the Board authorize the addition of project 11802 (5530) to the Fiscal Year 2014-15 capital budget in the amount of \$574,700 for the Baker Pipeline Cathodic Protection Upgrades, project 11802 (5530).

ACTION CALENDAR

MICHELSON WATER RECYCLING PLANT PROTECTIVE COATINGS FINAL ACCEPTANCE

In response to Director Reinhart comment, General Manager said that for future Final Acceptance of Facilities that staff will include additional background information on what change orders to the project had occurred. There being no further comments, on MOTION by Reinhart, seconded and unanimously carried, **THE BOARD ACCEPTED CONSTRUCTION OF THE MICHELSON WATER RECYCLING PLANT PROTECTIVE COATINGS, PROJECT**

21123 (3799); AUTHORIZED THE GENERAL MANAGER TO FILE A NOTICE OF COMPLETION; AND AUTHORIZED THE PAYMENT OF THE RETENTION 35 DAYS AFTER THE DATE OF RECORDING THE NOTICE OF COMPLETION.

BAKER WATER TREATMENT PLANT CONSTRUCTION PHASE SERVICES VARIANCE

Executive Director of Engineering Burton reported that the construction of the Baker Plant was awarded to PCL Construction, Inc. on January 6, 2014 and construction is well underway. Construction phase services are currently being performed by a blended team comprised of staff and consultants from multiple engineering firms. During the budgeting process for the construction management of the project, staff determined that two construction inspectors would be necessary to provide adequate inspection coverage of the project. The first construction inspector was anticipated to be required immediately upon start of construction, and the second construction inspector was anticipated to be required once the contractor was fully mobilized and progressing with simultaneous construction activities in multiple process areas.

Mr. Burton said that staff selected the first construction inspector from HDR through a Request for Proposals procurement process. Staff deferred the selection of the second inspector to a later date as the availability of the second inspector could not be guaranteed at the time of the initial selection process.

Mr. Burton said that in July 2014, PCL began simultaneous construction work in multiple process areas. PCL recently added discipline-specific supervisors to the onsite staff, including a dedicated concrete supervisor and pipeline supervisor in addition to their overall project superintendent and project manager in an effort to advance more work simultaneously. He said the increased work efforts and increased contractor requests for inspection have established an increased demand on the first construction inspector, resulting in the need to fill the second construction inspector role.

Mr. Burton said that staff requested the consulting firms currently providing construction management services for the project to submit proposals for potential candidates for the second construction inspector position. He said that Arcadis, Jacobs Project Management Company, and HDR each submitted proposals presenting one or more candidates for the position. Staff reviewed each of the proposals and recommends selection of a candidate from HDR based on the candidate's extensive experience and commitment to the project.

Director Reinhart said that this item was reviewed by the Engineering and Operations Committee on September 23, 2014 and they concur with the staff recommendation. On MOTION by Reinhart, seconded and unanimously carried, THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 1 IN THE AMOUNT OF \$412,375 WITH HDR ENGINEERING, INC. FOR THE BAKER WATER TREATMENT PLANT, PROJECT 11747 (5027).

PETERS CANYON CHANNEL WATER CAPTURE AND REUSE PIPELINE PROJECT
ENVIRONMENTAL COMPLIANCE VARIANCE NO. 1

General Manager Cook reported that on November 25, 2013, the Board authorized a Professional Services Agreement with Environmental Science Associates (ESA) to prepare an Initial Study/Mitigated Negative Declaration (IS/MND) for the Peters Canyon Channel Water Capture and Reuse Pipeline Project. The project will divert nuisance surface and groundwater flows with high selenium concentrations from selected tributaries to Peters Canyon Channel and deliver flows to the Orange County Sanitation District (OCSD) for treatment and reuse. Mr. Cook said that additional environmental compliance work is needed beyond the original budgeted scope of work to fully evaluate project impacts and to develop mitigation strategies for the operation of the San Joaquin Marsh.

Using a PowerPoint presentation, Mr. Ray Bennett discussed the need for selenium control pursuant to the 2002 Environmental Protection Agency declaration which stated that the Newport Bay/San Diego Creek watershed was impaired and therefore had established a Total Maximum Daily Load (TMDL) for selenium. Mr. Bennett said that in 2013, the Board approved an agreement with the City of Irvine, City of Tustin, Orange County Flood Control District, County of Orange and the California Department of Transportation, collectively referred to as the "Funding Parties" to develop a feasible project to reduce discharges with high concentrations of selenium into the watershed. Currently the most highly concentration flows are discharged to Peters Canyon Channel (a tributary to San Diego Creek), while CalTrans currently discharges its flows to an IRWD sewer under a temporary special discharge permit. He said that the Funding Parties established the terms for the design, construction, operation and maintenance of the Peters Canyon Pipeline Project as follows: 1) The Funding Parties will pay all project related capital costs which include all environmental review, design and construction costs; 2) IRWD will provide an annual funding contribution for operation and maintenance of the project up to \$60,000 per year (in 2013 dollars) and any costs greater than IRWD's commitment, including environmental mitigation, which will be paid by the Funding Parties; 3) IRWD will design, construct, own, operate and maintain the project for 20 years; 4) IRWD will receive 32% of the project's selenium credits to offset the District's selenium discharges to the San Diego Creek watershed including the Marsh; 5) IRWD will be the lead agency for performing environmental review in compliance with the California Environmental Quality Act (CEQA) and will be responsible for securing the necessary permits and rights-of-way for the project; and 6) IRWD will not be responsible for any consequences, including the loss of grant funding, which may occur as a result of any delays to the project.

Mr. Bennett said that the project would provide the following benefits to IRWD and the Funding Parties: 1) Compliance with the RWQCB requirement to limit point discharges of selenium within the San Diego Creek/Newport Bay Watershed during low flows; 2) The generation of selenium credits which can be used throughout the San Diego Creek watershed including the Marsh; 3) Elimination of CalTrans discharges with high selenium concentrations to the Michelson Water Recycling Plant; 4) Eligibility for treatment through the OCSD Urban Runoff Program at no cost (except flows from CalTrans); 5) A supplemental water supply for reuse by OCWD in recharging the Orange County groundwater basin; 6) Ability to make use of \$4,300,000 in grants that have been secured for implementation of the project; and 7) Lower concentrations of selenium in flows diverted to the Marsh.

Mr. Bennett said that the project will have potential impacts on the Marsh if not adequately mitigated and are associated with reduced flows being available in San Diego Creek for diversion to the Marsh. They include: 1) IRWD's forbearance of its non-consumptive 5 cfs water right in order to maximize project diversions during low flow periods; 2) Reduced flows in and out of the wetland facilities; 3) Changes in water quality; 4) Increased residence times of flows through the ponds; 5) Unknown changes in selenium sequestration and bioavailability; and 6) Unknown impacts to fish, wildlife and habitat. He said that the complex and interrelated combination of project benefits and potential impacts have resulted in the need to perform additional environmental evaluations and to develop flexible mitigation strategies that will maximize project benefits while protecting the Marsh.

Mr. Bennett said that staff has identified the need for ESA to perform additional work to more fully evaluate the project and to develop mitigation strategies for impacts on the operations of the Marsh. These additional work activities include an estimate of selenium and nitrogen loading to the Marsh; a refinement of the diversion estimates, an impact analysis at the Marsh, and the development of an adaptive management plan. He said that ESA's original scope of work did not include time and resources associated with addressing the above work, and at staff's request, ESA has submitted a variance for the additional work. Staff has negotiated several cost reductions with ESA in the variance scope of work and staff considers the resulting costs to be reasonable. Director Swan commented that he did not support doing a study on sequestration at this time given the current drought conditions, that Marsh operations have historically responded to varying and seasonal conditions as they arise and the study could cause a delay impacting the grant funding and asked if this is legally required. Legal Counsel Arneson and Executive Director of Water Policy Weghorst discussed the CEQA requirement that the environmental document not defer the development of mitigation measures, and the use of adaptive management measures to meet this requirement. President LaMar said he recommended approval of this item and would request that a progress report be submitted to the San Joaquin Marsh Ad Hoc Committee. Director Swan made a motion to move forward with the project which is linked to the \$3.2 million grant funding and reject hiring a consultant to prepare an adaptive management plan. His motion failed as it did not receive a second. Director Withers left the Board room at 5:52 p.m. Mr. Weghorst reiterated that a plan is required to identify the selenium load and determine how the load will affect the water quality. Following discussion, Director Reinhart said he would make a motion to approve the item with the caveat that the adaptive management plan work in progress would be submitted to the San Joaquin Marsh Ad Hoc Committee. On **MOTION** by Reinhart, seconded and carried. on a 3-1-1 vote (Reinhart, LaMar and Matheis voting aye, Swan voting no, and Withers absent), **THE BOARD AUTHORIZED THE GENERAL MANAGER TO APPROVE AN INCREASE TO THE FY 2014-15 CAPITAL BUDGET IN THE AMOUNT OF \$96,200 TO PROJECT 21163 (4985) FOR ADDITIONAL ENVIRONMENTAL REVIEW WORK, AUTHORIZED THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 1 IN THE AMOUNT OF \$91,664 WITH ENVIRONMENTAL SCIENCE ASSOCIATES, AND STAFF WAS DIRECTED TO SUBMIT PROGRESS REPORTS ON THE ADAPTIVE MANAGEMENT PLAN TO THE SAN JOAQUIN MARSH AD HOC COMMITTEE.**

UTILITY BILLING SYSTEM MANAGED SUPPORT SERVICES

General Manager Cook reported that the District successfully went “live” with its new Oracle Customer Care and Billing (CC&B) utility billing software solution in August 2014. The post go-live support period of three months is nearing completion at the end of October. Mr. Cook said that while IRWD staff has been trained to operating the system, additional staff training is required to provide the technical support required to keep the system running efficiently. He said that additional support and training would be for the period of November 1, 2014 through July 31, 2015.

Director Swan said that this item was reviewed by the Finance and Personnel Committee on October 7, 2014 and that the Committee reviewed the costs and additional work required, and concur with the staff recommendation. Following discussion, on MOTION by Swan, seconded and carried, on a 3-1 vote (Reinhart, LaMar, Swan, and Matheis voting aye, and Withers absent), **THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT FOR AN AMOUNT NOT TO EXCEED \$595,000 WITH INFOSYS LIMITED.**

2015-2016 STATE LOBBYING AND ADVOCACY SERVICES

General Manager Cook reported that IRWD continues to be a leader in water resources public policy and governance. During the 2013-2014 legislative session, the District engaged in a number of state policy discussions regarding water infrastructure, supply reliability and governance. Many of these discussions are expected to carry over into the 2015-2016 legislative session. The services to be provided by O’Haren Government Relations would allow the District to maintain continuity in its current Sacramento representation throughout the entire 2015-2016 legislative session.

Director Matheis said that this item was reviewed and approved by the Water Resources Policy and Communications Committee on October 6, 2014. On MOTION by Matheis, seconded and carried on a 4-1 vote (Matheis, LaMar, Reinhart and Swan voting aye and Withers absent), **THE BOARD APPROVED A SOLE-SOURCE 24-MONTH PROFESSIONAL SERVICE AGREEMENT, FROM JANUARY 1, 2015, THROUGH DECEMBER 31, 2016, WITH O’HAREN GOVERNMENT RELATIONS FOR \$6,500 PER MONTH PLUS REIMBURSABLE DIRECT EXPENSES WITH A MAXIMUM OF \$3,900 PER YEAR FOR A TOTAL CONTRACT AMOUNT NOT TO EXCEED \$163,800.**

2015-2016 FEDERAL LOBBYING AND ADVOCACY SERVICES

General Manager Cook reported that IRWD continues to be a leader in water resources public policy and governance. During the 113th congressional session, the District engaged in a number of federal policy discussions regarding water infrastructure, water supply reliability and the Water Resources Reform and Development Act. Many of these discussions are expected to carry over into the 114th Congress. The services to be provided by The Furman Group would allow the District to maintain continuity in its current federal representation throughout the entire 114th Congress.

On MOTION by Swan, seconded and carried on a 4-1 vote (Matheis, LaMar, Reinhart and Swan voting aye and Withers absent), THE BOARD APPROVED A SOLE-SOURCE 24-MONTH PROFESSIONAL SERVICES AGREEMENT, FROM JANUARY 1, 2015, THROUGH DECEMBER 31, 2016, WITH THE FURMAN GROUP FOR \$11,500 PER MONTH PLUS REIMBURSABLE DIRECT EXPENSES FOR THE FIRST YEAR OF THE CONTRACT AND \$12,500 PER MONTH PLUS REIMBURSABLE DIRECT EXPENSES FOR THE SECOND YEAR OF THE CONTRACT FOR A TOTAL CONTRACT AMOUNT NOT TO EXCEED \$324,000.

WATER SHORTAGE CONTINGENCY PLAN REVISIONS

General Manager Cook reported that on September 8, 2014, the Board directed staff to revise the District's Water Shortage Contingency Plan (WSCP) to be consistent with existing practices that encourage neighbors to work together to save water and to call IRWD's water use efficiency experts for assistance. Mr. Cook then read the modified language in the Voluntary Measures section of the WSCP to the Board. The Board did not ask for any further refinements to the language in the Plan.

Director Matheis said that this item was reviewed and approved by the Water Resources Policy and Communications Committee on October 6, 2014. On MOTION by Matheis, seconded and carried on a 4-1 vote (Matheis, LaMar, Reinhart and Swan voting aye and Withers absent), THE BOARD ADOPTED THE FOLLOWING RESOLUTION BY TITLE:

RESOLUTION NO. 2014-46

RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT ADOPTING AMENDED WATER SHORTAGE CONTINGENCY PLAN

GENERAL MANAGER'S REPORT

General Manager Cook reported on discussions relative to OCWD's implementation of Sustainable Groundwater Management Act and said that IRWD is working with OCWD staff on this issue. He said that an update will be submitted to the November Water Resources Policy and Communications Committee.

Directors Withers returned to the Board room at 6:20 p.m.

Mr. Cook reported that IRWD received the 2014 Cool Plant Award for Water and Wastewater achieving 6 million kWh in energy savings through various programs with SCE with Mr. Thomas Bonkowski and Mr. Patrick Shields accepting the award for IRWD.

Mr. Cook said that he was learned that IRWD along with other agencies have been awarded the California LAFCO Government Leadership award for the annexation process with the awards presentation scheduled for October 16, 2014.

DIRECTORS' COMMENTS

Director Matheis reported on her attendance at the CSDA annual conference.

Director Withers reported on his attendance at a Great Park groundbreaking event and IRWD's Open House with NBC 4 News relative to the drought which he said went very well. He said that he will be attending a California LAFCO conference this Wednesday through Friday, an NWRI Operations Committee meeting, and next Monday an OCWD Legislative and Public Affairs Committee meeting.

Director Reinhart reported that he attended a MWDOC Board meeting, an IRWD Outreach Luncheon, a Water Policy Forum, a SOCWA Board meeting, and a WACO meeting.

Director Swan reported on his attendance at an OCWD Water Issues meeting, a Southern California Dialogue meeting, a WACO meeting, a Clean Tech conference and said he would like IRWD to become a member, and IRWD's Open House. He said he is planning to attend the upcoming ACC-OC event and an ACWA Region 5 tour and watershed reliability discussion.

Director LaMar reported on his attendance at IRWD's business outreach luncheon, a WACO Planning meeting, and IRWD's Open House event.

CLOSED SESSION

President LaMar said that the following Closed Sessions would be held this evening:

CLOSED SESSION CONFERENCE WITH LEGAL COUNSEL RELATIVE TO ANTICIPATED LITIGATION - Government Code Section 54956.9(d)(4) – initiation of litigation (two potential cases);

CLOSED SESSION: CONFERENCE WITH LEGAL COUNSEL RELATIVE TO ANTICIPATED LITIGATION - Government Code Section 54956.9(d)(2) - significant exposure to litigation re Serrano Summit development agreement (one potential case); and

CLOSED SESSION CONFERENCE WITH LEGAL COUNSEL RELATIVE TO ANTICIPATED LITIGATION - Government Code Section 54956.9(d)(2) - significant exposure to litigation (two potential cases) - claims filed under the Tort Claims Act, on file with the District.

OPEN SESSION

Following the Closed Session, the meeting was reconvened with Directors La Mar, Matheis, Reinhart, Swan, Withers present. No action was reported on the first and second closed session items.

With respect to the third of the above listed closed session items, President LaMar reported that on a motion made, seconded and carried 5-0, the administrative claim of Scherrie McCarthy was rejected.

ADJOURNMENT

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

APPROVED and SIGNED this 27th day of October, 2014.

President, IRVINE RANCH WATER DISTRICT

Secretary, IRVINE RANCH WATER DISTRICT

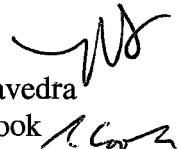
APPROVED AS TO FORM:
Bowie, Arneson, Wiles & Giannone

Legal Counsel

October 27, 2014

Prepared and

Submitted by: N. Savedra

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

10/08/14	CleanTech OC 2014
10/09/14	Monthly meeting w/General Manager Paul Cook re: District activities
10/17/14	ACC-OC Legislative Roundtable w/State Senator Lou Correa
10/21/14	South Orange County Agencies' Meeting
10/22/14	NROC Executive Committee Meeting
10/23/14	Southern California Water Committee Annual Meeting, University City, CA
10/24/14	IRWD Representative Solar Decathlon Groundbreaking Ceremony
10/31/14	Orange County Forum
11/03/14	ACWA Headwaters Task Force Committee Meeting

Mary Aileen Matheis

10/15/14	IRWD/EOCWD Ad Hoc Committee Meeting
10/22/14	LAFCO Municipal Service Review Meeting
10/23/14	Southern California Water Committee Annual Meeting, University City, CA
10/26-27/14	ACWA Regions 8, 9 & 10 Joint Program and Tour, San Diego, CA
10/29/14	Shadetree Partnership Board of Directors Meeting
10/30/14	ISDOC Quarterly Meeting

Douglas Reinhart

10/15/14	IRWD/EOCWD Ad Hoc Committee Meeting
10/21/14	South Orange County Agencies' Meeting
10/22/14	LAFCO Municipal Service Review Meeting

Consent Calendar: Ratify/Approve Board of Directors' Attendance at Meetings and Events

October 27, 2014

Page 2

Peer Swan

10/16/14	ACC-OC City Leader Event @IRWD's San Joaquin Marsh
10/17/14	ACWA Region 6 & 7 – San Joaquin Valley Water Forum, Visalia, CA
10/19-20/14	ACWA Region 5 Program and Tour, Livermore, CA
10/22/14	Southern California Water Dialogue Committee Meeting
10/26-27/14	ACWA Regions 8, 9 & 10 Joint Program and Tour, San Diego, CA
10/28/14	Board presentation at Newport Sunrise Rotary
10/29/14	IRWD Representative at Carollo Engineers Open House
10/31/14	Orange County Forum

John Withers

10/20/14	OCSD Legislative & Public Affairs Committee Meeting
10/29/14	IRWD Representative at Carollo Engineers Open House
10/30/14	ISDOC Quarterly Meeting
10/31/14	Orange County Forum

RECOMMENDATION:


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

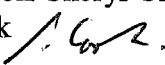
LIST OF EXHIBITS:

None

October 27, 2014

Prepared by: T. Fournier/J. Davis 

Submitted by: R. Jacobson/Cheryl Clary 

Approved by: Paul Cook 

CONSENT CALENDAR

SEPTEMBER 2014 TREASURY REPORTS

SUMMARY:

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

- A. The Investment Summary Report for September 2014. This Investment Summary Report is in conformity with the 2014 Investment Policy and provides sufficient liquidity to meet estimated expenditures during the next six months, as outlined in Exhibit "A".
- B. The Monthly Interest Rate Swap Summary as of September 30, 2014, as outlined in Exhibit "B".
- C. The Summary of Payroll ACH payments in the total amount of \$1,479,395, as outlined in Exhibit "C".
- D. The September 30, 2014 Disbursement Summary of warrants 351648 through 352356, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$18,794,711, as outlined in Exhibit "D".
- E. The Disclosure Report of Reimbursements to Board Members and Staff for September 2014, detailing payments or reimbursements for individual charges of \$100.00 or more per transaction, as outlined in Exhibit "E".

FISCAL IMPACTS:

As of September 30, 2014, the book value of the investment portfolio was \$298,499,014, with a 0.45% rate of return and a market value of \$298,297,994. Based on the District's September 30, 2014 quarterly real estate investment rate of return of 12.18%, the District's weighted average return for the fixed income and real estate investments was 2.73%.

As of September 30, 2014, 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 \$648,064.

Payroll ACH payments totaled \$1,479,395, and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for September totaled \$18,794,711.

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE TREASURER'S INVESTMENT SUMMARY REPORT, THE MONTHLY INTEREST RATE SWAP SUMMARY FOR SEPTEMBER 2014, AND DISCLOSURE REPORT OF REIMBURSEMENTS TO BOARD MEMBERS AND STAFF; APPROVE THE SEPTEMBER 2014 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$1,479,395 AND APPROVE THE SEPTEMBER 2014 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 351648 THROUGH 352356, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$18,794,711.

LIST OF EXHIBITS:

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

09/30/14

SETTLEMENT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION/ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	YTPC	ORIGINAL COST	CARRY VALUE	MARKET VALUE (1) 9/30/2014	UNREALIZED GAIN/(LOSS)(2)
07/16/14			10/31/14		LAIP	State of California Tsy.	\$50,000,000		0.240%		\$50,000,000.00	\$50,000,000.00	50,009,064.20	9,064.20
07/16/14			10/15/14		LAIF BABS	State of California Tsy.	8,043,206		0.240%		\$8,043,206.28	\$8,043,206.28	8,044,664.38	1,458.10
07/30/14	N/A	N/A	10/03/14	NR	FHLB - Discount Note	Fed Home Loan Bank Discount Note	8,000,000	0.040%	0.041%		7,999,422.40	7,999,982.23	8,000,000.00	17.77
08/27/14	N/A	N/A	11/19/14	NR	FHLB - Discount Note	Fed Home Loan Bank Discount Note	5,000,000	0.045%	0.046%		4,999,475.00	4,999,693.75	4,999,900.00	206.25
08/13/14	N/A	N/A	12/11/14	NR	FHLB - Discount Note	Fed Home Loan Bank Discount Note	5,000,000	0.065%	0.066%		4,998,916.67	4,999,359.03	4,999,850.00	490.97
08/13/14	N/A	N/A	01/30/15	NR	FHLB - Discount Note	Fed Home Loan Bank Discount Note	10,000,000	0.090%	0.091%		9,995,750.00	9,996,975.00	9,999,400.00	2,425.00
08/13/14	N/A	N/A	05/20/15	NR	FNMA - Discount Note	Fed Natl Mortgage Discount Note	10,000,000	0.130%	0.132%		9,989,888.89	9,991,658.33	9,997,100.00	5,441.67
08/13/14	N/A	N/A	06/09/15	NR	FHLMC - Discount Note	Fed Home Loan Mortgage Corp Discount Note	10,000,000	0.150%	0.152%		9,987,500.00	9,989,541.67	9,996,200.00	6,658.33
08/13/14	N/A	N/A	07/29/15	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	15,000,000	0.125%	0.182%		14,991,750.00	14,992,905.00	14,989,650.00	(3,255.00)
03/04/14	N/A	N/A	08/28/15	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Mortgage Corp	2,008,140.00	0.500%	0.225%		2,008,140.00	2,004,971.11	2,005,920.00	948.89
03/04/14	N/A	N/A	08/28/15	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	8,000,000	0.375%	0.225%		8,017,720.00	8,010,821.62	8,015,840.00	5,018.38
05/28/14	N/A	N/A	09/10/15	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.750%	0.165%		5,101,550.00	5,074,325.96	5,072,900.00	(1,425.96)
10/17/12	One Time 2yr	10/09/14	10/09/15	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.480%	0.460%	0.466%	5,002,000.00	5,000,686.29	5,000,400.00	(286.29)
01/07/14	One Time	10/28/14	10/28/15	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.500%	0.300%	0.411%	5,008,050.00	5,004,788.47	5,001,350.00	(3,438.47)
12/18/12	Continuous	03/18/13	12/18/15	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	10,000,000	0.400%	0.425%	0.701%	9,992,500.00	9,996,965.75	9,990,625.00	(6,340.75)
05/27/14	N/A	N/A	12/21/15	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.375%	0.241%		5,010,450.00	5,008,133.86	5,007,850.00	(283.86)
01/15/13	N/A	07/15/13	01/15/16	NA/AA+/AAA	FHLB - Note	Fed Home Loan Bank	5,000,000	0.375%	0.390%		4,997,750.00	4,998,876.03	4,996,800.00	(2,076.03)
03/14/13	Continuous	09/07/13	03/07/16	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	4,444,444	0.470%	0.490%	0.730%	4,438,444.44	4,441,562.90	4,435,200.00	(6,362.90)
03/14/14	Continuous	06/10/14	03/10/16	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.350%	0.413%	0.874%	4,993,750.00	4,995,477.99	4,976,950.00	(18,527.99)
04/12/13	Continuous	07/12/13	04/12/16	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.410%	0.447%	0.851%	4,994,500.00	4,997,194.80	4,974,500.00	(22,694.80)
04/29/14	Continuous after	07/25/14	04/25/16	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.390%	0.448%	0.878%	4,994,250.00	4,995,353.83	4,969,700.00	(25,653.83)
05/20/13	Quarterly	10/29/13	04/29/16	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.500%	0.500%	0.500%	5,000,000.00	5,000,000.00	4,998,500.00	(1,500.00)
05/12/14	Continuous after	05/12/15	05/12/16	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.480%	0.480%	0.480%	5,000,000.00	5,000,000.00	4,991,650.00	(8,350.00)
12/19/13	Quarterly	11/20/13	05/20/16	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.520%	0.520%	0.520%	5,000,000.00	5,000,000.00	4,994,900.00	(5,100.00)
01/31/14	Continuous	03/27/14	06/27/16	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.500%	0.552%	0.552%	4,993,750.00	4,995,479.78	4,984,150.00	(11,329.78)
05/08/14	N/A	N/A	07/05/16	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.375%	0.484%		4,988,300.00	4,990,465.02	4,988,000.00	(2,465.02)
04/29/14	Continuous after	07/29/14	07/29/16	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.550%	0.550%	0.550%	5,000,000.00	5,000,000.00	4,984,600.00	(15,400.00)
02/11/14	Continuous after	08/11/14	08/11/16	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.570%	0.590%	0.590%	4,997,500.00	4,998,135.96	4,991,000.00	(7,135.96)
12/31/13	Quarterly	06/14/13	09/14/16	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.650%	0.759%	0.759%	4,985,500.00	4,989,521.26	4,985,600.00	(3,921.26)
03/14/13	Continuous	12/26/12	09/26/16	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.680%	0.683%	0.690%	4,999,500.00	4,999,719.04	4,993,650.00	(6,069.04)
12/03/13	One Time	11/25/14	11/25/16	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.750%	0.647%	0.716%	5,005,000.00	5,003,613.41	5,001,750.00	(1,863.41)
12/09/13	Quarterly	12/09/14	12/09/16	Aaa/AA+/NR	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	0.700%	0.727%	0.780%	4,996,000.00	4,997,080.29	4,975,781.00	(21,299.29)
12/19/13	Quarterly	06/19/14	12/19/16	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.750%	0.750%	0.750%	5,000,000.00	5,000,000.00	4,991,700.00	(8,300.00)
12/20/13	Quarterly	06/19/14	12/19/16	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.750%	0.755%	0.755%	4,999,250.00	4,999,445.21	4,991,700.00	(7,745.21)
12/27/13	Continuous after	06/24/14	12/27/16	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.750%	0.760%	0.760%	4,998,500.00	4,998,880.47	4,997,000.00	(1,880.47)
12/27/13	S Quarterly	06/27/14	12/27/16	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	2,500,000	0.500%	0.550%	0.550%	2,498,750.00	2,499,067.06	2,500,825.00	1,757.94
04/30/14	Quarterly	07/30/14	01/30/17	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.850%	0.850%	0.850%	5,000,000.00	5,000,000.00	4,996,350.00	(3,650.00)
03/13/14	Quarterly	06/13/14	03/13/17	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	0.875%	0.946%	1.719%	4,989,500.00	4,991,435.22	4,988,700.00	(2,735.22)
04/25/14	Continuous after	04/24/15	04/24/17	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	0.900%	0.976%	1.142%	4,988,750.00	4,990,321.92	5,002,500.00	12,178.08
04/30/14	Quarterly	07/28/14	04/28/17	Aaa/AA+/NR	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.000%	1.000%	1.000%	5,000,000.00	5,000,000.00	4,993,650.00	(6,350.00)
06/30/14	Quarterly	09/30/14	06/30/17	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.150%	1.113%	0.709%	5,005,500.00	5,005,033.30	4,978,700.00	(26,333.30)
08/28/14	Quarterly	11/25/14	08/25/17	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	1.125%	1.139%	1.139%	4,998,000.00	4,998,062.21	4,983,150.00	(14,912.21)
06/29/14	N/A	N/A	04/30/36	NR	Direct Muni	ETWD	1,123,185	4.570%	4.570%	4.570%	1,123,184.60	1,123,184.60	1,123,184.60	
SUB-TOTAL							\$289,110,835				\$289,131,998.28	\$289,121,924.65	\$288,920,904.18	(\$201,020.47)
RESTRICTED CASH (Swap Collateral Deposits)														
09/02/14					Collateral Deposit	Citi-Group	\$8,037,090		0.090%		\$8,037,089.75	\$8,037,089.75	8,037,089.75	
09/02/14					Collateral Deposit	Merrill Lynch	\$1,340,000		0.090%		\$1,340,000.00	\$1,340,000.00	1,340,000.00	
SUB-TOTAL							\$9,377,090				\$9,377,089.75	\$9,377,089.75	\$9,377,089.75	
TOTAL INVESTMENTS							\$298,487,925				\$298,509,088.03	\$298,499,014.40	\$298,297,993.93	
					Petty Cash						3,400.00			
					September	Bank of America					6,091,036.66			
											\$304,603,524.69			

- (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.
- (2) Gain (loss) calculated against carry value using the trading value provided by Bank of New York/or Brokers
- (3) Real estate rate of return is based on most recent quarter end return

Outstanding Variable Rate Debt	\$339,700,000
Net Outstanding Variable Rate Debt (Less \$130 million fixed-payer swaps)	\$209,700,000
Investment Balance:	\$304,603,525
Investment to Variable Rate Debt Ratio:	145%
Portfolio - Average Number of Days To Maturity	450

	Investment Portfolio	Real Estate Portfolio (3)	Weighted Avg. Return
September	0.45%	12.18%	2.73%
August	0.45%	12.25%	2.74%
Change			

This Investment Summary Report is in conformity with the 2014 Investment Policy and provides sufficient liquidity to meet the next six months estimated expenditures.

IRVINE RANCH WATER DISTRICT
SUMMARY OF MATURITIES

09/30/14

DATE	TOTAL	%	LAIF	AGENCIES	COLLATERAL DEPOSIT	Direct Muni	Agency Discount Notes
09/14	\$67,420,296	22.57%	\$58,043,206		\$9,377,090		
10/14	8,000,000	2.68%					8,000,000
11/14	5,000,000	1.68%					5,000,000
12/14	5,000,000	1.68%					5,000,000
01/15	10,000,000	3.35%					10,000,000
02/15	-						
03/15	-						
04/15	-						
05/15	10,000,000	3.35%					10,000,000
06/15	10,000,000	3.35%					10,000,000
07/15	15,000,000	5.03%					15,000,000
08/15	10,000,000	3.35%		10,000,000			
SUB-TOTAL	\$140,420,296	47.04%	\$58,043,206	\$10,000,000	\$9,377,090		\$63,000,000
13 Months - 3 YEARS							
9/1/2015 - 12/30/15	30,000,000	10.05%		30,000,000			
01/01/16 - 03/31/2016	14,444,444	4.83%		14,444,444			
04/01/16 - 06/30/2016	30,000,000	10.05%		30,000,000			
07/01/16 - 9/30/2016	25,000,000	8.38%		25,000,000			
10/01/16 - 12/31/2016	27,500,000	9.21%		27,500,000			
1/1/2017 - 3/31/2017	10,000,000	3.35%		10,000,000			
04/01/17-06/30/17	15,000,000	5.03%		15,000,000			
07/01/17 - 9/30/2017	\$5,000,000	1.68%		5,000,000			
04/30/2036	1,123,185	0.38%				1,123,185	
TOTALS	\$298,487,925	100.00%	\$58,043,206	\$166,944,444	\$9,377,090	\$1,123,185	\$63,000,000

% OF PORTFOLIO

19.45%

55.92%

3.14%

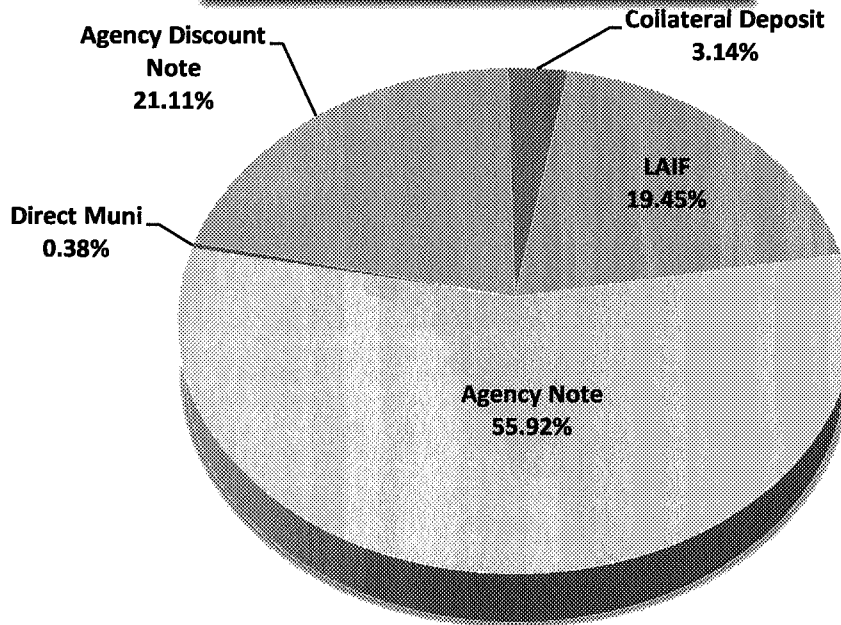
0.38%

21.11%

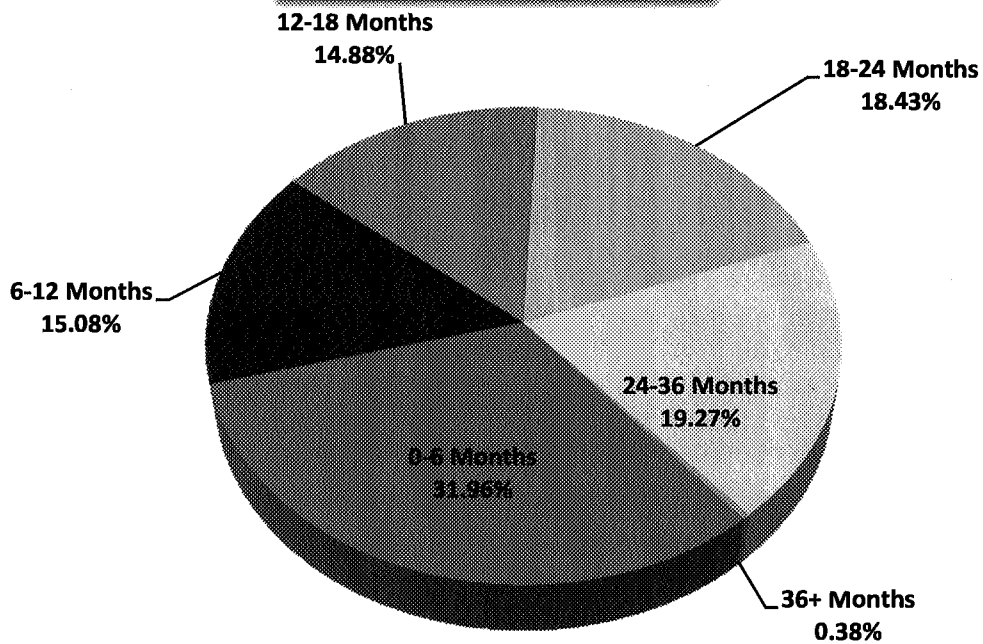
September 2014 INVESTMENT PORTFOLIO

September 30, 2014

Portfolio by Investment Type



Portfolio by Maturities



Irvine Ranch Water District
 Summary of Real Estate
 9/30/2014

	<u>ACQUISITION DATE</u>	<u>PROPERTY TYPE</u>	<u>OWNERSHIP INTEREST</u>	<u>ORIGINAL COST</u>	<u>RATE OF RETURN QUARTER ENDED Sep-14</u>
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 43,550,810	15.98%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	8.56%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,739,845	5.68%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,630,577	3.62%
Sand Canyon Professional Center	Jul-12	Medical Office	Fee Simple	\$ 8,648,594	8.41%
				<u>\$ 72,569,826</u>	<u>12.18%</u>

**IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT
 INVESTMENT ACTIVITY
 SEPTEMBER**

MATURITIES/SALES/CALLS

PURCHASES

DATE	SECURITY TYPE	PAR	YIELD	Settlement Date	Maturity Date	SECURITY TYPE	PAR	YIELD TO MATURITY
9/26/2014	FHLMC - Discount Note	\$5,000,000	0.06%					

**IRVINE RANCH WATER DISTRICT
INTEREST RATE SWAP MONTHLY SUMMARY REPORT - DETAIL
September 30, 2014**

Current Fiscal Year Active Swaps								Cash Flow				Mark to Market	
Effective Date	Maturity Date	Years to Maturity	Counter Party	Notional Amt	Type	Base Index	Fixed Rate	Prior Month	Current Month	Fiscal YTD	Cumulative Cash Flow	Current Mark to Market	Notional Difference
Fixed Payer Swaps - By Effective Date													
6/4/2006	6/4/2019	4.7	ML	\$ 20,000,000	FXP	LIBOR	6.200%	\$ (93,932)	\$ (103,997)	\$ (302,036)	\$ (7,750,586)	\$ 15,970,859	\$ (4,029,141)
6/4/2006	6/4/2019	4.7	CG	20,000,000	FXP	LIBOR	6.200%	(93,932)	(103,997)	(302,036)	(7,750,586)	15,964,371	(4,035,629)
6/17/2006	6/17/2019	4.7	CG	30,000,000	FXP	LIBOR	6.140%	(139,526)	(154,492)	(448,651)	(11,488,822)	23,995,870	(6,004,130)
3/10/2007	3/10/2029	14.5	ML	30,000,000	FXP	LIBOR	5.687%	(128,936)	(142,789)	(414,692)	(10,268,640)	19,629,364	(10,370,636)
3/10/2007	3/10/2029	14.5	CG	30,000,000	FXP	LIBOR	5.687%	(128,936)	(142,789)	(414,692)	(10,268,640)	19,575,115	(10,424,885)
Totals/Weighted Avgs				9.2	\$ 130,000,000		5.949%	\$ (585,262)	\$ (648,064)	\$ (1,882,107)	\$ (47,527,275)	\$ 95,135,579	\$ (34,864,421)
Total Current Year Active Swaps				\$ 130,000,000				\$ (585,262)	\$ (648,064)	\$ (1,882,107)	\$ (47,527,275)	\$ 95,135,579	\$ (34,864,421)

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 Active 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 Active & Terminated Swaps							\$ 130,000,000	\$ (585,262)	\$ (648,064)	\$ (1,882,107)	\$ (47,527,275)	\$ 95,135,579	\$ (34,864,421)

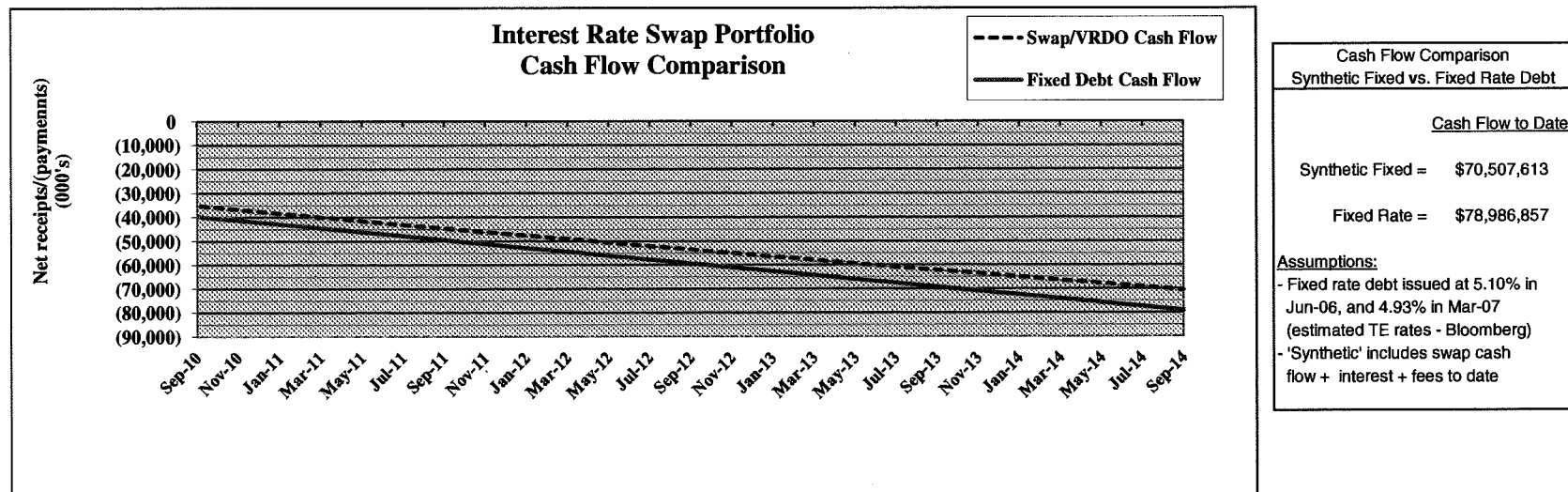


Exhibit "C"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

September
2014

DATE	AMOUNT	VENDOR	PURPOSE
9/5/2014	729,593.12	BANK OF AMERICA	ACH Payments for Payroll
9/19/2014	749,802.00	BANK OF AMERICA	ACH Payments for Payroll
	<u>\$1,479,395.12</u>		

Exhibit "D"

IRWD Ledger Payment Register For 01-SEP-14 To 30-SEP-14 Report Date: 01-OCT-2014 14:15
 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								
351648		02-SEP-14	ORANGE COUNTY SANITATION DISTRICT	FOUNTAIN VALLEY	1,570.00	08-SEP-14	1,570.00	Reconciled
351649		02-SEP-14	JCI JONES CHEMICALS INC	CINCINNATI	6,407.35	08-SEP-14	6,407.35	Reconciled
351650		04-SEP-14	Compton, Christine A		50.64			Negotiable
351651		04-SEP-14	Akiyoshi, Eric S (Eric)		75.00	04-SEP-14	75.00	Reconciled
351652		04-SEP-14	Soto, Franklin E (Frank)		6.72	09-SEP-14	6.72	Reconciled
351653		04-SEP-14	Solis, Henry (Henry)		245.00	10-SEP-14	245.00	Reconciled
351654		04-SEP-14	Kallo, John		145.00	08-SEP-14	145.00	Reconciled
351655		04-SEP-14	Oldewage, Lars D (Lars)		48.16	08-SEP-14	48.16	Reconciled
351656		04-SEP-14	Perez, Rodolfo (Rudy)		12.32	29-SEP-14	12.32	Reconciled
351657		04-SEP-14	SOUTH COAST AIR QUALITY MANAGEMENTBAR 2 DISTRICT	DIAMOND	571.85	29-SEP-14	571.85	Reconciled
351658		04-SEP-14	AAF INTERNATIONAL		1,331.10	08-SEP-14	1,331.10	Reconciled
351659		04-SEP-14	ACCURATE AIR ENGINEERING INC		996.58	09-SEP-14	996.58	Reconciled
351660		04-SEP-14	ADS LLC		1,991.00	08-SEP-14	1,991.00	Reconciled
351661		04-SEP-14	ADVANTAGE TENNIS ACADEMY		133.87	12-SEP-14	133.87	Reconciled
351662		04-SEP-14	ALSTON & BIRD LLP		1,888.04	08-SEP-14	1,888.04	Reconciled
351663		04-SEP-14	AMERICAN GEOTECHNICAL, INC.		2,284.00	05-SEP-14	2,284.00	Reconciled
351664		04-SEP-14	APCO GRAPHICS INC		206.94	08-SEP-14	206.94	Reconciled
351665		04-SEP-14	AQUA BEN CORPORATION		32,931.36	09-SEP-14	32,931.36	Reconciled
351666		04-SEP-14	AQUA-METRIC SALES COMPANY		10,618.77	15-SEP-14	10,618.77	Reconciled
351667		04-SEP-14	ARIZONA INSTRUMENT LLC		1,525.35	08-SEP-14	1,525.35	Reconciled
351668		04-SEP-14	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA		11,712.56	12-SEP-14	11,712.56	Reconciled
351669		04-SEP-14	AT&T		80.74	09-SEP-14	80.74	Reconciled
351670		04-SEP-14	AT&T		609.17	08-SEP-14	609.17	Reconciled
351671		04-SEP-14	Ordonez, Bernardino A (Berny)		3,000.00	08-SEP-14	3,000.00	Reconciled

IRWD Ledger Payment Register For 01-SEP-14 To 30-SEP-14 Report Date: 01-OCT-2014 14:15
 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								
351672		04-SEP-14	BLOOMBERG FINANCE LP		11,985.00	11-SEP-14	11,985.00	Reconciled
351673		04-SEP-14	BRANDON M. ARANT		800.00	15-SEP-14	800.00	Reconciled
351674		04-SEP-14	C WELLS PIPELINE MATERIALS INC		1,521.72	08-SEP-14	1,521.72	Reconciled
351675		04-SEP-14	CALIFORNIA BARRICADE INC		4,915.00	09-SEP-14	4,915.00	Reconciled
351676		04-SEP-14	CAPTIVE AUDIENCE MARKETING INC.		85.32	09-SEP-14	85.32	Reconciled
351677		04-SEP-14	CAROLLO ENGINEERS, INC		30,684.50	16-SEP-14	30,684.50	Reconciled
351678		04-SEP-14	CHARLES P CROWLEY COMPANY INC		5,101.00	16-SEP-14	5,101.00	Reconciled
351679		04-SEP-14	Kessler, Christian L (Christian)		1,047.56	05-SEP-14	1,047.56	Reconciled
351680		04-SEP-14	CLEARINGHOUSE		477.67	08-SEP-14	477.67	Reconciled
351681		04-SEP-14	Cariker, Cody J (Cody)		853.35	05-SEP-14	853.35	Reconciled
351682		04-SEP-14	CONEYBEARE INC		17,397.63	11-SEP-14	17,397.63	Reconciled
351683		04-SEP-14	CROCKER & CROCKER		11,715.26	11-SEP-14	11,715.26	Reconciled
351684		04-SEP-14	D & G SIGNS		2,056.80	08-SEP-14	2,056.80	Reconciled
351685		04-SEP-14	DATAZEO, INC.		71.52	08-SEP-14	71.52	Reconciled
351686		04-SEP-14	DEACON, AMOS R.		944.66	08-SEP-14	944.66	Reconciled
351687		04-SEP-14	EAST ORANGE COUNTY WATER DISTRICT		3,702.89	08-SEP-14	3,702.89	Reconciled
351688		04-SEP-14	ENVIRONMENTAL EXPRESS INC		906.88	08-SEP-14	906.88	Reconciled
351689		04-SEP-14	ENVIRONMENTAL		650.20	10-SEP-14	650.20	Reconciled

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
351690	04-SEP-14	04-SEP-14	RESOURCE ASSOCIATES ENVIRONMENTAL SCIENCE ASSOCIATES		875.00	10-SEP-14	875.00	Reconciled
351691	04-SEP-14	04-SEP-14	FARRELL & ASSOCIATES		115.82	12-SEP-14	115.82	Reconciled
351692	04-SEP-14	04-SEP-14	FERGUSON ENTERPRISES, INC.		270.00	08-SEP-14	270.00	Reconciled
351693	04-SEP-14	04-SEP-14	FIDELITY SECURITY LIFE INSURANCE COMPANY		6,063.70	12-SEP-14	6,063.70	Reconciled
351694	04-SEP-14	04-SEP-14	FISHER SCIENTIFIC COMPANY LLC		2,861.15	08-SEP-14	2,861.15	Reconciled
351695	04-SEP-14	04-SEP-14	FRANK LA PLACA EXTERMINATING INC		175.00	05-SEP-14	175.00	Reconciled
351696	04-SEP-14	04-SEP-14	GDS2		13,933.36	10-SEP-14	13,933.36	Reconciled
351697	04-SEP-14	04-SEP-14	GE ANALYTICAL INSTRUMENTS INC		9,508.00	12-SEP-14	9,508.00	Reconciled

IRWD Ledger
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 01-OCT-2014 14:15
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 3
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
351698	04-SEP-14	04-SEP-14	GRAINGER		3,808.15	08-SEP-14	3,808.15	Reconciled
351699	04-SEP-14	04-SEP-14	GRAYBAR ELECTRIC COMPANY		4,994.69	08-SEP-14	4,994.69	Reconciled
351700	04-SEP-14	04-SEP-14	GREAT PACIFIC EQUIPMENT INC		5,950.00	10-SEP-14	5,950.00	Reconciled
351701	04-SEP-14	04-SEP-14	HDR ENGINEERING INC		30,068.35	11-SEP-14	30,068.35	Reconciled
351702	04-SEP-14	04-SEP-14	HILL BROTHERS CHEMICAL COMPANY		5,674.90	09-SEP-14	5,674.90	Reconciled
351703	04-SEP-14	04-SEP-14	HOME DEPOT USA INC		578.03	10-SEP-14	578.03	Reconciled
351704	04-SEP-14	04-SEP-14	HOPKINS TECHNICAL PRODUCTS INC		7,038.90	11-SEP-14	7,038.90	Reconciled
351705	04-SEP-14	04-SEP-14	IBM CORPORATION		45,375.27	12-SEP-14	45,375.27	Reconciled
351706	04-SEP-14	04-SEP-14	INDUSTRIAL METAL SUPPLY CO		49.53	08-SEP-14	49.53	Reconciled
351707	04-SEP-14	04-SEP-14	INTERNAL REVENUE SERVICE		100.00	11-SEP-14	100.00	Reconciled
351708	04-SEP-14	04-SEP-14	IRVINE PIPE & SUPPLY INC		347.69	05-SEP-14	347.69	Reconciled
351709	04-SEP-14	04-SEP-14	IRWD EMPLOYEE ASSOCIATION		690.00			Negotiable
351710	04-SEP-14	04-SEP-14	JOHN G. ALEVIOS D.O. INC.		363.33	09-SEP-14	363.33	Reconciled
351711	04-SEP-14	04-SEP-14	JOHN MICHAEL COVAS		138.70	15-SEP-14	138.70	Reconciled
351712	04-SEP-14	04-SEP-14	KANG, GILSOON		39.17			Negotiable
351713	04-SEP-14	04-SEP-14	KELLY SERVICES INC		1,200.09	10-SEP-14	1,200.09	Reconciled
351714	04-SEP-14	04-SEP-14	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		1,300.00	05-SEP-14	1,300.00	Reconciled
351715	04-SEP-14	04-SEP-14	KOELLER NEBEKER CARLSON & HALUCK, LLP		3,978.00	05-SEP-14	3,978.00	Reconciled
351716	04-SEP-14	04-SEP-14	KS DIRECT LLC		3,600.72	05-SEP-14	3,600.72	Reconciled
351717	04-SEP-14	04-SEP-14	LA HABRA FENCE COMPANY INC		1,438.00	05-SEP-14	1,438.00	Reconciled
351718	04-SEP-14	04-SEP-14	LIN, JAMES		4.15	15-SEP-14	4.15	Reconciled
351719	04-SEP-14	04-SEP-14	LUDECA, INC.		29,154.88	15-SEP-14	29,154.88	Reconciled
351720	04-SEP-14	04-SEP-14	MC MASTER CARR SUPPLY CO		843.17	08-SEP-14	843.17	Reconciled
351721	04-SEP-14	04-SEP-14	MOORE TOOL & EQUIPMENT, INC.		21,399.00	10-SEP-14	21,399.00	Reconciled
351722	04-SEP-14	04-SEP-14	MORGAN COMPANY		172.30	11-SEP-14	172.30	Reconciled
351723	04-SEP-14	04-SEP-14	MSC INDUSTRIAL SUPPLY CO		128.78	11-SEP-14	128.78	Reconciled

IRWD Ledger
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 01-OCT-2014 14:15
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 4
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
351724	04-SEP-14	04-SEP-14	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY		31,771.71	09-SEP-14	31,771.71	Reconciled
351725	04-SEP-14	04-SEP-14	MUTUAL PROPANE		98.86	08-SEP-14	98.86	Reconciled
351726	04-SEP-14	04-SEP-14	NATIONAL READY MIXED CONCRETE CO		801.60	08-SEP-14	801.60	Reconciled
351727	04-SEP-14	04-SEP-14	NINYO & MOORE		27,744.00	09-SEP-14	27,744.00	Reconciled
351728	04-SEP-14	04-SEP-14	NMG GEOTECHNICAL INC		33,635.20	16-SEP-14	33,635.20	Reconciled
351729	04-SEP-14	04-SEP-14	NOVELL INC		2,950.00	08-SEP-14	2,950.00	Reconciled
351730	04-SEP-14	04-SEP-14	OLIN CORPORATION		14,054.73	11-SEP-14	14,054.73	Reconciled

351731	04-SEP-14	ON ASSIGNMENT LAB SUPPORT	2,425.68	08-SEP-14	2,425.68	Reconciled
351732	04-SEP-14	ONESOURCE DISTRIBUTORS LLC	92.10	08-SEP-14	92.10	Reconciled
351733	04-SEP-14	PACIFIC COAST BOLT CORP	2,071.05	05-SEP-14	2,071.05	Reconciled
351734	04-SEP-14	PACIFIC HYDROTECH CORPORATION	12,487.76	11-SEP-14	12,487.76	Reconciled
351735	04-SEP-14	PACIFIC HYDROTECH CORPORATION	237,267.38	11-SEP-14	237,267.38	Reconciled
351736	04-SEP-14	PERS LONG TERM CARE	720.46	15-SEP-14	720.46	Reconciled
351737	04-SEP-14	PINNACLE LANDSCAPE COMPANY	6,560.00	10-SEP-14	6,560.00	Reconciled
351738	04-SEP-14	PRAXAIR DISTRIBUTION INC	1,847.27	15-SEP-14	1,847.27	Reconciled
351739	04-SEP-14	PRUDENTIAL OVERALL SUPPLY	3,750.29	08-SEP-14	3,750.29	Reconciled
351740	04-SEP-14	R&B AUTOMATION INC	2,040.00	08-SEP-14	2,040.00	Reconciled
351741	04-SEP-14	RAM AIR ENGINEERING INC	7,187.04	09-SEP-14	7,187.04	Reconciled
351742	04-SEP-14	REED, JAMES D	1,947.04	16-SEP-14	1,947.04	Reconciled
351743	04-SEP-14	REFRIGERATION SUPPLIES	2,363.68	08-SEP-14	2,363.68	Reconciled
351744	04-SEP-14	RYAN HERCO PRODUCTS CORP	533.33	08-SEP-14	533.33	Reconciled
351745	04-SEP-14	SANTA ANA BLUE PRINT	313.20	09-SEP-14	313.20	Reconciled
351746	04-SEP-14	SCHINDLER ELEVATOR CORPORATION	174.45	08-SEP-14	174.45	Reconciled
351747	04-SEP-14	SIGNATURE FLOORING INC	1,473.00	05-SEP-14	1,473.00	Reconciled
351748	04-SEP-14	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	12,024.48	11-SEP-14	12,024.48	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								
351749		04-SEP-14	SOUTH COAST WATER CO.		65.00	11-SEP-14	65.00	Reconciled
351750		04-SEP-14	SOUTHERN CALIFORNIA EDISON COMPANY		847,301.77	08-SEP-14	847,301.77	Reconciled
351751		04-SEP-14	SPARKLETTS		373.20	10-SEP-14	373.20	Reconciled
351752		04-SEP-14	SPOK, INC		70.87	09-SEP-14	70.87	Reconciled
351753		04-SEP-14	SS MECHANICAL CORPORATION		103,112.43	09-SEP-14	103,112.43	Reconciled
351754		04-SEP-14	SS MECHANICAL CORPORATION		5,426.97	10-SEP-14	5,426.97	Reconciled
351755		04-SEP-14	STAR BRITE BUILDING MAINTENANCE INC		12,413.75	10-SEP-14	12,413.75	Reconciled
351756		04-SEP-14	T AND S LARSEN MAINTENANCE		600.00	09-SEP-14	600.00	Reconciled
351757		04-SEP-14	TEKDRUALICS		11,340.00	09-SEP-14	11,340.00	Reconciled
351758		04-SEP-14	TESTAMERICA LABORATORIES, INC		183.75	08-SEP-14	183.75	Reconciled
351759		04-SEP-14	TETRA TECH, INC		32,538.84	11-SEP-14	32,538.84	Reconciled
351760		04-SEP-14	THYSSENKRUPP ELEVATOR CORPORATION		168.18	08-SEP-14	168.18	Reconciled
351761		04-SEP-14	TROPICAL PLAZA NURSERY INC		2,790.00	05-SEP-14	2,790.00	Reconciled
351762		04-SEP-14	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA		858.00	10-SEP-14	858.00	Reconciled
351763		04-SEP-14	UNITED PARCEL SERVICE INC		57.98	08-SEP-14	57.98	Reconciled
351764		04-SEP-14	UNITED STATES POST OFFICE		23,333.33	15-SEP-14	23,333.33	Reconciled
351765		04-SEP-14	USA BLUEBOOK		575.81	15-SEP-14	575.81	Reconciled
351766		04-SEP-14	VALLEYCREST LANDSCAPE DEVELOPMENT, INC.		31,668.25	10-SEP-14	31,668.25	Reconciled
351767		04-SEP-14	VERIZON CALIFORNIA INC		332.36	12-SEP-14	332.36	Reconciled
351768		04-SEP-14	VERIZON WIRELESS SERVICES LLC		6,555.55	12-SEP-14	6,555.55	Reconciled
351769		04-SEP-14	VULCAN INDUSTRIES INC		2,795.04	08-SEP-14	2,795.04	Reconciled
351770		04-SEP-14	WASTE MANAGEMENT OF ORANGE COUNTY		856.79	12-SEP-14	856.79	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 6
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
351771		04-SEP-14	WAXIE'S ENTERPRISES, INC		573.13	08-SEP-14	573.13	Reconciled
351772		04-SEP-14	WEBER WATER RESOURCES CA, LLC		15,718.00	18-SEP-14	15,718.00	Reconciled
351773		04-SEP-14	WECK LABORATORIES INC		399.00	05-SEP-14	399.00	Reconciled
351774		04-SEP-14	WESTERN EXTERMINATOR COMPANY		935.00			Negotiable
351775		04-SEP-14	WESTERN SAFETY PRODUCTS INC		22,956.96	23-SEP-14	22,956.96	Reconciled
351776		04-SEP-14	WILDERMUTH ENVIRONMENTAL INC		33,578.35	10-SEP-14	33,578.35	Reconciled
351777		04-SEP-14	YUE, LUCY		32.58	22-SEP-14	32.58	Reconciled
351778		05-SEP-14	REACH EMPLOYEE ASSISTANCE INC	PLACENTIA	873.60	09-SEP-14	873.60	Reconciled
351779		05-SEP-14	Craig, Jessica T	HOME	1,150.67	05-SEP-14	1,150.67	Reconciled
351780		05-SEP-14	THE GAS COMPANY	MONTEREY PARK 1	2,281.14	12-SEP-14	2,281.14	Reconciled
351781		05-SEP-14	TME & AFFILIATES INC		1,627.60	05-SEP-14	1,627.60	Reconciled
351782		10-SEP-14	JCI JONES CHEMICALS INC	CINCINNATI	4,404.40	15-SEP-14	4,404.40	Reconciled
351783		11-SEP-14	Reinhart, Douglas J		609.64	15-SEP-14	609.64	Reconciled
351784		11-SEP-14	Jones, Jeffrey		156.00	22-SEP-14	156.00	Reconciled
351785		11-SEP-14	Jose Martinez		240.00	19-SEP-14	240.00	Reconciled
351786		11-SEP-14	Lewis, Lyndy R		53.76	29-SEP-14	53.76	Reconciled
351787		11-SEP-14	Nelson, Mark D (Mark)		235.00	12-SEP-14	235.00	Reconciled
351788		11-SEP-14	Ramos, Martha A (Marta)		42.72	22-SEP-14	42.72	Reconciled
351789		11-SEP-14	Fehser, Noah (Noah)		60.00	16-SEP-14	60.00	Reconciled
351790		11-SEP-14	Bennett, Ray R (Ray)		81.06	15-SEP-14	81.06	Reconciled
351791		11-SEP-14	LaMar, Steven E		451.33	15-SEP-14	451.33	Reconciled
351792		11-SEP-14	A & Y ASPHALT CONTRACTORS INC		10,077.00	18-SEP-14	10,077.00	Reconciled
351793		11-SEP-14	ADS LLC		28,050.00	19-SEP-14	28,050.00	Reconciled
351794		11-SEP-14	ALEXANDER CONTRACT SERVICES INC		106,715.39	18-SEP-14	106,715.39	Reconciled
351795		11-SEP-14	ALL AMERICAN SEWER TOOLS		662.48	15-SEP-14	662.48	Reconciled
351796		11-SEP-14	ALPHA TRAFFIC SERVICES, INC.		2,330.00	15-SEP-14	2,330.00	Reconciled
IRWD Ledger Payment Register For 01-SEP-14 To 30-SEP-14 Report Date: 01-OCT-2014 14:15 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 7 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								
351797		11-SEP-14	AM CONSERVATION GROUP, INC.		4,895.28	15-SEP-14	4,895.28	Reconciled
351798		11-SEP-14	ANIXTER INC		3,812.62	15-SEP-14	3,812.62	Reconciled
351799		11-SEP-14	APD CONSULTANTS INC		8,455.00	19-SEP-14	8,455.00	Reconciled
351800		11-SEP-14	APPLIED INDUSTRIAL TECHNOLOGIES - CA LLC		151.50	15-SEP-14	151.50	Reconciled
351801		11-SEP-14	AQUA BEN CORPORATION		33,143.04	17-SEP-14	33,143.04	Reconciled
351802		11-SEP-14	AT&T		2,480.64	17-SEP-14	2,480.64	Reconciled
351803		11-SEP-14	AT&T		1,847.34	16-SEP-14	1,847.34	Reconciled
351804		11-SEP-14	ATHENS SERVICES		10,097.40	17-SEP-14	10,097.40	Reconciled
351805		11-SEP-14	AUTOZONE PARTS, INC.		101.75	15-SEP-14	101.75	Reconciled
351806		11-SEP-14	AZNL-NTC, LLC		426.19			Negotiable
351807		11-SEP-14	BATTERIES PLUS AND BATTERIES PLUS BULBS		503.00			Negotiable
351808		11-SEP-14	BATTERY SPECIALTIES		261.49	17-SEP-14	261.49	Reconciled
351809		11-SEP-14	BIOMAGIC INC		8,173.44	17-SEP-14	8,173.44	Reconciled
351810		11-SEP-14	BOWIE, ARNESON, WILES & GIANNONE		30,819.83			Negotiable
351811		11-SEP-14	BOYD & ASSOCIATES		3,708.00	15-SEP-14	3,708.00	Reconciled
351812		11-SEP-14	BURKE/WACO		7,777.17	22-SEP-14	7,777.17	Reconciled
351813		11-SEP-14	CALIFORNIA BARRICADE INC		1,547.50	16-SEP-14	1,547.50	Reconciled
351814		11-SEP-14	CANON FINANCIAL SERVICES, INC		8,422.12	19-SEP-14	8,422.12	Reconciled
351815		11-SEP-14	CONEYBEARE INC		26,957.55	18-SEP-14	26,957.55	Reconciled

351816	11-SEP-14	COUNTY OF ORANGE	66.00	12-SEP-14	66.00	Reconciled
351817	11-SEP-14	COUNTY OF ORANGE	23,141.26	17-SEP-14	23,141.26	Reconciled
351818	11-SEP-14	CR & R INCORPORATED	210.44	17-SEP-14	210.44	Reconciled
351819	11-SEP-14	CREATIVE ALLIANCE GROUP LLC	500.00	17-SEP-14	500.00	Reconciled
351820	11-SEP-14	CREDENTIAL CHECK CORPORATION	116.16	16-SEP-14	116.16	Reconciled
351821	11-SEP-14	D & H WATER SYSTEMS INC.	7,766.00	26-SEP-14	7,766.00	Reconciled
351822	11-SEP-14	DEPARTMENT OF INDUSTRIAL RELATIONS STATE OF CALIFORNIA	889.43	19-SEP-14	889.43	Reconciled
351823	11-SEP-14	DEX MEDIA INC.	74.25	16-SEP-14	74.25	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								
351824		11-SEP-14	DRAEGER SAFETY INC		1,008.68	17-SEP-14	1,008.68	Reconciled
351825		11-SEP-14	EMEDCO		115.34	17-SEP-14	115.34	Reconciled
351826		11-SEP-14	EMPLOYEE BENEFIT SPECIALIST, INC		1,005.00	15-SEP-14	1,005.00	Reconciled
351827		11-SEP-14	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.		15,217.63	23-SEP-14	15,217.63	Reconciled
351828		11-SEP-14	ENVIRONMENTAL SCIENCE ASSOCIATES		16,255.75	22-SEP-14	16,255.75	Reconciled
351829		11-SEP-14	FARRELL & ASSOCIATES		181.00	12-SEP-14	181.00	Reconciled
351830		11-SEP-14	FEDEX		199.36	17-SEP-14	199.36	Reconciled
351831		11-SEP-14	FERGUSON ENTERPRISES, INC.		12,410.28	18-SEP-14	12,410.28	Reconciled
351832		11-SEP-14	FIRST CHOICE SERVICES		139.93	16-SEP-14	139.93	Reconciled
351833		11-SEP-14	FISHER SCIENTIFIC COMPANY LLC		4,209.33	15-SEP-14	4,209.33	Reconciled
351834		11-SEP-14	FULLER TRUCK ACCESSORIES		995.67	12-SEP-14	995.67	Reconciled
351835		11-SEP-14	FUSCOE ENGINEERING, INC		250.00	12-SEP-14	250.00	Reconciled
351836		11-SEP-14	GEORGE YARDLEY CO INC		1,500.00	12-SEP-14	1,500.00	Reconciled
351837		11-SEP-14	GOULDS PUMPS, INC.		8,969.28	22-SEP-14	8,969.28	Reconciled
351838		11-SEP-14	GRAINGER		4,965.13	16-SEP-14	4,965.13	Reconciled
351839		11-SEP-14	GRAYBAR ELECTRIC COMPANY		2,742.54	15-SEP-14	2,742.54	Reconciled
351840		11-SEP-14	HAAKER EQUIPMENT COMPANY		525.80	12-SEP-14	525.80	Reconciled
351841		11-SEP-14	HAIGH BUILDERS INC		1,000.00	12-SEP-14	1,000.00	Reconciled
351842		11-SEP-14	HILL BROTHERS CHEMICAL COMPANY		7,967.70	17-SEP-14	7,967.70	Reconciled
351843		11-SEP-14	HOME DEPOT USA INC		1,145.50	17-SEP-14	1,145.50	Reconciled
351844		11-SEP-14	HOPKINS TECHNICAL PRODUCTS INC		7,927.82	19-SEP-14	7,927.82	Reconciled
351845		11-SEP-14	IDEXX DISTRIBUTION, INC		7,084.87	19-SEP-14	7,084.87	Reconciled
351846		11-SEP-14	INDUSTRIAL METAL SUPPLY CO		20.81	16-SEP-14	20.81	Reconciled
351847		11-SEP-14	IRVINE PIPE & SUPPLY INC		4,738.60	12-SEP-14	4,738.60	Reconciled
351848		11-SEP-14	IRWD-PETTY CASH CUSTODIAN		963.78	15-SEP-14	963.78	Reconciled
351849		11-SEP-14	JOHNSTONE SUPPLY		697.24	12-SEP-14	697.24	Reconciled
351850		11-SEP-14	KELLY SERVICES INC		1,189.05	15-SEP-14	1,189.05	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								
351851		11-SEP-14	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES		600.00	15-SEP-14	600.00	Reconciled
351852		11-SEP-14	KS DIRECT LLC		602.64	12-SEP-14	602.64	Reconciled
351853		11-SEP-14	LA HABRA FENCE COMPANY INC		10,937.00	19-SEP-14	10,937.00	Reconciled
351854		11-SEP-14	LEWIS OPERATING CORP		200.00	12-SEP-14	200.00	Reconciled
351855		11-SEP-14	MBC APPLIED ENVIRONMENTAL SCIENCES		1,300.00	12-SEP-14	1,300.00	Reconciled
351856		11-SEP-14	MC MASTER CARR		897.45	16-SEP-14	897.45	Reconciled

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
			SUPPLY CO					
351857		11-SEP-14	METTLER-TOLEDO INC		1,020.30	15-SEP-14	1,020.30	Reconciled
351858		11-SEP-14	MGH PAINTING INC		9,270.00	17-SEP-14	9,270.00	Reconciled
351859		11-SEP-14	MISCOWATER		154.61	15-SEP-14	154.61	Reconciled
351860		11-SEP-14	MONKEY JOE SPEAK		1,574.90	15-SEP-14	1,574.90	Reconciled
351861		11-SEP-14	MORGAN COMPANY		769.58	17-SEP-14	769.58	Reconciled
351862		11-SEP-14	NATURALWELL, LLC		1,375.00	12-SEP-14	1,375.00	Reconciled
351863		11-SEP-14	NATURES IMAGE INC		2,409.08	12-SEP-14	2,409.08	Reconciled
351864		11-SEP-14	O'HAREN GOVERNMENT RELATIONS		13,000.00	26-SEP-14	13,000.00	Reconciled
351865		11-SEP-14	OLIN CORPORATION		22,399.10	19-SEP-14	22,399.10	Reconciled
351866		11-SEP-14	ON ASSIGNMENT LAB SUPPORT		2,097.49	15-SEP-14	2,097.49	Reconciled
351867		11-SEP-14	ONESOURCE		53.34	15-SEP-14	53.34	Reconciled
351868		11-SEP-14	DISTRIBUTORS LLC ORACLE AMERICA, INC.		24,193.58	19-SEP-14	24,193.58	Reconciled
351869		11-SEP-14	ORANGE COUNTY AUTO PARTS CO		608.65	12-SEP-14	608.65	Reconciled
351870		11-SEP-14	PAPER DEPOT DOCUMENT DESTRUCTION LLC		597.71	19-SEP-14	597.71	Reconciled
351871		11-SEP-14	PAUL E BRADLEY INC		3,807.00	18-SEP-14	3,807.00	Reconciled
351872		11-SEP-14	PHYTOTRONICS, INC.		308.10	16-SEP-14	308.10	Reconciled
351873		11-SEP-14	PONTON INDUSTRIES INC		8,570.46	19-SEP-14	8,570.46	Reconciled
351874		11-SEP-14	PRINCIPAL LIFE INSURANCE		27,333.26	22-SEP-14	27,333.26	Reconciled
351875		11-SEP-14	PSB INTEGRATED MARKETING		1,341.25	15-SEP-14	1,341.25	Reconciled
351876		11-SEP-14	PURE EFFECT INC		988.76	12-SEP-14	988.76	Reconciled
351877		11-SEP-14	R C FOSTER CORPORATION		117,629.00	30-SEP-14	117,629.00	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 10
 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								
351878		11-SEP-14	RAM AIR ENGINEERING INC		3,064.96	12-SEP-14	3,064.96	Reconciled
351879		11-SEP-14	REAL GREEN INC.		49,767.50	22-SEP-14	49,767.50	Reconciled
351880		11-SEP-14	RED WING SHOES		159.84	16-SEP-14	159.84	Reconciled
351881		11-SEP-14	RICHARD C SLADE & ASSOCIATES LLC		13,829.79	29-SEP-14	13,829.79	Reconciled
351882		11-SEP-14	RINGCLEAR LLC		104.04	16-SEP-14	104.04	Reconciled
351883		11-SEP-14	ROSEDALE - RIO BRAVO WATER STORAGE DISTRICT		165,480.29			Negotiable
351884		11-SEP-14	SAFETY-KLEEN SYSTEMS, INC		130.99	16-SEP-14	130.99	Reconciled
351885		11-SEP-14	SANTA ANA BLUE PRINT		48.84	17-SEP-14	48.84	Reconciled
351886		11-SEP-14	SANTA MARGARITA FORD		248.93	12-SEP-14	248.93	Reconciled
351887		11-SEP-14	SANTA MARGARITA WATER DISTRICT		37,593.43	18-SEP-14	37,593.43	Reconciled
351888		11-SEP-14	SEPARATION PROCESSES INC		1,973.25	22-SEP-14	1,973.25	Reconciled
351889		11-SEP-14	SHAMROCK SUPPLY CO INC		1,888.26	12-SEP-14	1,888.26	Reconciled
351890		11-SEP-14	SHEA HOMES		10,175.00	24-SEP-14	10,175.00	Reconciled
351891		11-SEP-14	SIMI VALLEY LANDFILL AND RECYCLING CENTER		1,167.95	15-SEP-14	1,167.95	Reconciled
351892		11-SEP-14	SOUTH COAST ANSWERING SERVICE		755.55	17-SEP-14	755.55	Reconciled
351893		11-SEP-14	SOUTH COAST WATER CO.		40.00	16-SEP-14	40.00	Reconciled
351894		11-SEP-14	SOUTHERN CALIFORNIA EDISON COMPANY		28,395.21	12-SEP-14	28,395.21	Reconciled
351895		11-SEP-14	STANTEC CONSULTING SERVICES INC.		772.00	15-SEP-14	772.00	Reconciled
351896		11-SEP-14	TEKDRAULICS		14,557.12	17-SEP-14	14,557.12	Reconciled
351897		11-SEP-14	TETRA TECH, INC		5,048.65	19-SEP-14	5,048.65	Reconciled
351898		11-SEP-14	THE NEW HOME COMPANY		391.00			Negotiable
351899		11-SEP-14	TRAILS4ALL		750.00			Negotiable
351900		11-SEP-14	TROPICAL PLAZA NURSERY INC		1,724.00	12-SEP-14	1,724.00	Reconciled
351901		11-SEP-14	TRUCPARCO		2,335.03	16-SEP-14	2,335.03	Reconciled
351902		11-SEP-14	ULTIMATE DETAILING		175.00	16-SEP-14	175.00	Reconciled
351903		11-SEP-14	UNITED PARCEL SERVICE INC		449.40	15-SEP-14	449.40	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 11
 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								
351904		11-SEP-14	UNITED STATES POSTAL SERVICE		101.12	17-SEP-14	101.12	Reconciled
351905		11-SEP-14	URS CORPORATION		2,444.85	16-SEP-14	2,444.85	Reconciled
351906		11-SEP-14	VA CONSULTING, INC		7,260.00	18-SEP-14	7,260.00	Reconciled
351907		11-SEP-14	VAUPEL, MICHAEL C		331.00	16-SEP-14	331.00	Reconciled
351908		11-SEP-14	VCS ENVIRONMENTAL		5,693.75	18-SEP-14	5,693.75	Reconciled
351909		11-SEP-14	VWR INTERNATIONAL, LLC		2,293.89	16-SEP-14	2,293.89	Reconciled
351910		11-SEP-14	WASTE MANAGEMENT OF ORANGE COUNTY		1,657.77	15-SEP-14	1,657.77	Reconciled
351911		11-SEP-14	WATERLINE TECHNOLOGIES INC		5,680.00	17-SEP-14	5,680.00	Reconciled
351912		11-SEP-14	WAXIE'S ENTERPRISES, INC		34.08	15-SEP-14	34.08	Reconciled
351913		11-SEP-14	WESTERN HIGHWAY PRODUCTS		312.70	12-SEP-14	312.70	Reconciled
351914		11-SEP-14	WESTERN SAFETY PRODUCTS INC		1,219.17	16-SEP-14	1,219.17	Reconciled
351915		11-SEP-14	WILLIAM LYON HOMES		15,725.00	22-SEP-14	15,725.00	Reconciled
351916		11-SEP-14	WILLIAM LYON HOMES		259.72	18-SEP-14	259.72	Reconciled
351917		11-SEP-14	WIRELESS WATCHDOGS, LLC		952.00	19-SEP-14	952.00	Reconciled
351918		11-SEP-14	YP LLC		122.00	17-SEP-14	122.00	Reconciled
351919		11-SEP-14	ZENON ENVIRONMENTAL CORPORATION		14,249.76	22-SEP-14	14,249.76	Reconciled
351920		16-SEP-14	JCI JONES CHEMICALS INC	CINCINNATI	2,937.80	22-SEP-14	2,937.80	Reconciled
351921		18-SEP-14	ORANGE COUNTY SANITATION DISTRICT	FOUNTAIN VALLEY	1,570.00	19-SEP-14	1,570.00	Reconciled
351922		18-SEP-14	ORANGE COUNTY SANITATION DISTRICT	FOUNTAIN VALLEY	1,570.00	19-SEP-14	1,570.00	Reconciled
351923		18-SEP-14	Compton, Christine A		25.68			Negotiable
351924		18-SEP-14	Cascelli, Craig M (Craig)		240.00	29-SEP-14	240.00	Reconciled
351925		18-SEP-14	Chaney, David (Dave)		230.00	19-SEP-14	230.00	Reconciled
351926		18-SEP-14	Soto, Franklin E (Frank)		75.00	26-SEP-14	75.00	Reconciled
351927		18-SEP-14	Pennington, Jared (Jared)		235.00	25-SEP-14	235.00	Reconciled
351928		18-SEP-14	Perez, Rodolfo (Rudy)		75.00	29-SEP-14	75.00	Reconciled
IRWD Ledger Payment Register For 01-SEP-14 To 30-SEP-14 Report Date: 01-OCT-2014 14:15								
BANK: Bank of America N.A.			Branch : Los Angeles		Account: Checking AP and PR		Page: 12	
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								
351929		18-SEP-14	AGILENT TECHNOLOGIES, INC.		48,984.00	29-SEP-14	48,984.00	Reconciled
351930		18-SEP-14	AM CONSERVATION GROUP, INC.		2,834.00	22-SEP-14	2,834.00	Reconciled
351931		18-SEP-14	APD CONSULTANTS INC		15,420.00	30-SEP-14	15,420.00	Reconciled
351932		18-SEP-14	APPLIED INDUSTRIAL TECHNOLOGIES - CA LLC		68.85	22-SEP-14	68.85	Reconciled
351933		18-SEP-14	ARC-ZONE.COM, INC		346.04	24-SEP-14	346.04	Reconciled
351934		18-SEP-14	ARCADIS U.S., INC.		34,840.00	29-SEP-14	34,840.00	Reconciled
351935		18-SEP-14	AT&T		25,293.45	29-SEP-14	25,293.45	Reconciled
351936		18-SEP-14	AT&T		48.03	23-SEP-14	48.03	Reconciled
351937		18-SEP-14	AT&T		2,014.33	22-SEP-14	2,014.33	Reconciled
351938		18-SEP-14	AT&T		3,499.94	23-SEP-14	3,499.94	Reconciled
351939		18-SEP-14	AZTEC TECHNOLOGY CORPORATION		8,596.80	26-SEP-14	8,596.80	Reconciled
351940		18-SEP-14	BATTERIES PLUS AND BATTERIES PLUS BULBS		345.22			Negotiable
351941		18-SEP-14	BDC SPECIAL WASTE		207.20	22-SEP-14	207.20	Reconciled
351942		18-SEP-14	BEST DRILLING AND PUMP, INC.		27,293.50	29-SEP-14	27,293.50	Reconciled
351943		18-SEP-14	BORCHARD SURVEYING & MAPPING, INC.		1,705.00	25-SEP-14	1,705.00	Reconciled
351944		18-SEP-14	BUI, MICHAEL		300.00	29-SEP-14	300.00	Reconciled
351945		18-SEP-14	C WELLS PIPELINE MATERIALS INC		49,052.74	29-SEP-14	49,052.74	Reconciled
351946		18-SEP-14	CALIFORNIA BANK & TRUST		22,487.92	30-SEP-14	22,487.92	Reconciled
351947		18-SEP-14	CALIFORNIA BARRICADE INC		8,960.00	26-SEP-14	8,960.00	Reconciled

351948	18-SEP-14	CALIFORNIA MUNICIPAL STATISTICS INC	1,575.00				Negotiable
351949	18-SEP-14	CITY OF ORANGE	293.44	22-SEP-14	293.44		Reconciled
351950	18-SEP-14	CLA-VAL COMPANY	2,283.93	19-SEP-14	2,283.93		Reconciled
351951	18-SEP-14	CLEAN ENERGY	1,037.40	22-SEP-14	1,037.40		Reconciled
351952	18-SEP-14	CLEARINGHOUSE	477.67	22-SEP-14	477.67		Reconciled
351953	18-SEP-14	CNC ENGINEERING, INC	2,360.00	23-SEP-14	2,360.00		Reconciled
351954	18-SEP-14	COASTLINE EQUIPMENT COMPANY	1,079.21	22-SEP-14	1,079.21		Reconciled
351955	18-SEP-14	CONEYBEARE INC	15,123.25	30-SEP-14	15,123.25		Reconciled
351956	18-SEP-14	CORRPRO COMPANIES INC	12,000.00	29-SEP-14	12,000.00		Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 13
 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								
351957	18-SEP-14	COUNTY OF ORANGE	1,164.00	19-SEP-14	1,164.00		Reconciled	
351958	18-SEP-14	COX COMMUNICATIONS	109.00	22-SEP-14	109.00		Reconciled	
351959	18-SEP-14	CRUMP & CO, INC.	4,260.80	24-SEP-14	4,260.80		Reconciled	
351960	18-SEP-14	DATA CLEAN CORPORATION	526.25	23-SEP-14	526.25		Reconciled	
351961	18-SEP-14	DEE JASPAR & ASSOCIATES, INC.	22,189.50	30-SEP-14	22,189.50		Reconciled	
351962	18-SEP-14	DELL MARKETING LP	4,756.72	22-SEP-14	4,756.72		Reconciled	
351963	18-SEP-14	DELPHIN COMPUTER SUPPLY	796.77	24-SEP-14	796.77		Reconciled	
351964	18-SEP-14	EI&C ENGINEERING INC	28,200.00	29-SEP-14	28,200.00		Reconciled	
351965	18-SEP-14	EISEL ENTERPRISES INC	2,560.14	26-SEP-14	2,560.14		Reconciled	
351966	18-SEP-14	ENVIRON INTERNATIONAL CORP.	1,248.15	22-SEP-14	1,248.15		Reconciled	
351967	18-SEP-14	ERNST & YOUNG U.S. LLP	64,583.89	29-SEP-14	64,583.89		Reconciled	
351968	18-SEP-14	EXECUTIVE LIGHTING & ELECTRIC	479.24	22-SEP-14	479.24		Reconciled	
351969	18-SEP-14	FEDEX	233.34	23-SEP-14	233.34		Reconciled	
351970	18-SEP-14	FERGUSON ENTERPRISES, INC.	270.00	22-SEP-14	270.00		Reconciled	
351971	18-SEP-14	FISERV	16,090.52	26-SEP-14	16,090.52		Reconciled	
351972	18-SEP-14	FLEET SOLUTIONS LLC	4,341.20	23-SEP-14	4,341.20		Reconciled	
351973	18-SEP-14	GANAHL LUMBER CO.	1,505.46	23-SEP-14	1,505.46		Reconciled	
351974	18-SEP-14	GOULDS PUMPS, INC.	11,985.74				Negotiable	
351975	18-SEP-14	GRAINGER	1,700.67	22-SEP-14	1,700.67		Reconciled	
351976	18-SEP-14	GRAYBAR ELECTRIC COMPANY	873.68	22-SEP-14	873.68		Reconciled	
351977	18-SEP-14	HACH COMPANY	2,952.27	22-SEP-14	2,952.27		Reconciled	
351978	18-SEP-14	HAMILTON, KURT	1,619.70	22-SEP-14	1,619.70		Reconciled	
351979	18-SEP-14	HELP/SYSTEMS, LLC	2,309.00	22-SEP-14	2,309.00		Reconciled	
351980	18-SEP-14	HILL BROTHERS CHEMICAL COMPANY	10,519.85	26-SEP-14	10,519.85		Reconciled	
351981	18-SEP-14	HOME DEPOT USA INC	879.49	24-SEP-14	879.49		Reconciled	
351982	18-SEP-14	II FUELS INC	27,335.33	26-SEP-14	27,335.33		Reconciled	
351983	18-SEP-14	INDUSTRIAL METAL SUPPLY CO	1,519.12	24-SEP-14	1,519.12		Reconciled	
351984	18-SEP-14	INTERNAL REVENUE SERVICE	100.00	25-SEP-14	100.00		Reconciled	
351985	18-SEP-14	IRON MOUNTAIN INFORMATION MANAGEMENT INC	1,939.84	22-SEP-14	1,939.84		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								
351986	18-SEP-14	IRVINE PIPE & SUPPLY INC	2,331.95	19-SEP-14	2,331.95		Reconciled	
351987	18-SEP-14	IRWD EMPLOYEE ASSOCIATION	680.00				Negotiable	
351988	18-SEP-14	JCI JONES CHEMICALS INC	5,505.50	22-SEP-14	5,505.50		Reconciled	
351989	18-SEP-14	KENNEDY/JENKS CONSULTANTS INC	926.00	22-SEP-14	926.00		Reconciled	
351990	18-SEP-14	KIM, SOON TAE	3,900.00	23-SEP-14	3,900.00		Reconciled	
351991	18-SEP-14	KIMBALL MIDWEST	33.15	23-SEP-14	33.15		Reconciled	
351992	18-SEP-14	KS DIRECT LLC	8,007.12	26-SEP-14	8,007.12		Reconciled	
351993	18-SEP-14	LGC GEOTECHNICAL, INC.	6,327.50	29-SEP-14	6,327.50		Reconciled	

351994	18-SEP-14	LILLESTRAND LEADERSHIP CONSULTING, INC.	899.89			Negotiable
351995	18-SEP-14	LU'S LIGHTHOUSE, INC.	274.17	22-SEP-14	274.17	Reconciled
351996	18-SEP-14	MAILFINANCE INC	10,427.63			Negotiable
351997	18-SEP-14	MC MASTER CARR SUPPLY CO	374.74	22-SEP-14	374.74	Reconciled
351998	18-SEP-14	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	3,086.00	19-SEP-14	3,086.00	Reconciled
351999	18-SEP-14	MUTUAL PROPANE	27.00	23-SEP-14	27.00	Reconciled
352000	18-SEP-14	MYERS & SONS HI-WAY SAFETY, INC.	2,827.44	19-SEP-14	2,827.44	Reconciled
352001	18-SEP-14	NATIONAL READY MIXED CONCRETE CO.	2,644.68	22-SEP-14	2,644.68	Reconciled
352002	18-SEP-14	NAVIGANT CONSULTING, INC	7,246.00	29-SEP-14	7,246.00	Reconciled
352003	18-SEP-14	NWRI	50,000.00	30-SEP-14	50,000.00	Reconciled
352004	18-SEP-14	OLIN CORPORATION	19,904.15	29-SEP-14	19,904.15	Reconciled
352005	18-SEP-14	OLYMPIC POWDER COATING INC	763.78	19-SEP-14	763.78	Reconciled
352006	18-SEP-14	ON ASSIGNMENT LAB SUPPORT	1,965.44	22-SEP-14	1,965.44	Reconciled
352007	18-SEP-14	ONESOURCE DISTRIBUTORS LLC	2,925.63	22-SEP-14	2,925.63	Reconciled
352008	18-SEP-14	ORANGE COUNTY AUTO PARTS CO	366.05	19-SEP-14	366.05	Reconciled
352009	18-SEP-14	ORANGE COUNTY VECTOR CONTROL DISTRICT	4,294.41			Negotiable
352010	18-SEP-14	OUTSOURCE TECHNICAL LLC	69,392.00	29-SEP-14	69,392.00	Reconciled

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 15
 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								
352011		18-SEP-14	PAC RIM ENGINEERING		4,125.00			Negotiable
352012		18-SEP-14	PACIFIC COAST BOLT CORP		309.63	19-SEP-14	309.63	Reconciled
352013		18-SEP-14	PACIFIC GAS AND ELECTRIC COMPANY		31.67	23-SEP-14	31.67	Reconciled
352014		18-SEP-14	PARKHILL, SMITH & COOPER, INC.		2,250.00			Negotiable
352015		18-SEP-14	PAUL E BRADLEY INC		4,590.00	24-SEP-14	4,590.00	Reconciled
352016		18-SEP-14	PERS LONG TERM CARE		720.46	23-SEP-14	720.46	Reconciled
352017		18-SEP-14	PINNACLE TOWERS LLC		615.79	22-SEP-14	615.79	Reconciled
352018		18-SEP-14	PIVOT INTERIORS INC		41.53	22-SEP-14	41.53	Reconciled
352019		18-SEP-14	PRAXAIR DISTRIBUTION INC		551.52	23-SEP-14	551.52	Reconciled
352020		18-SEP-14	PSB INTEGRATED MARKETING		3,368.75	19-SEP-14	3,368.75	Reconciled
352021		18-SEP-14	PTI SAND & GRAVEL INC		1,039.36	23-SEP-14	1,039.36	Reconciled
352022		18-SEP-14	QUALITY ENVIRONMENTAL CONTAINERS		6,154.48	30-SEP-14	6,154.48	Reconciled
352023		18-SEP-14	R&B AUTOMATION INC		1,135.40	22-SEP-14	1,135.40	Reconciled
352024		18-SEP-14	RAM AIR ENGINEERING INC		295.00	22-SEP-14	295.00	Reconciled
352025		18-SEP-14	RYAN HERCO PRODUCTS CORP		486.10	22-SEP-14	486.10	Reconciled
352026		18-SEP-14	SANTA ANA BLUE PRINT		516.59	23-SEP-14	516.59	Reconciled
352027		18-SEP-14	SANTA MARGARITA FORD		158.04	19-SEP-14	158.04	Reconciled
352028		18-SEP-14	SANTIAGO AQUEDUCT COMMISSION		15,353.88	25-SEP-14	15,353.88	Reconciled
352029		18-SEP-14	SECURTEC DISTRICT PATROL, INC.		9,000.00			Negotiable
352030		18-SEP-14	SHERWIN WILLIAMS COMPANY		904.48	22-SEP-14	904.48	Reconciled
352031		18-SEP-14	SOUTH COAST WATER CO.		151.68	23-SEP-14	151.68	Reconciled
352032		18-SEP-14	SOUTHERN CALIFORNIA EDISON COMPANY		652,560.93	19-SEP-14	652,560.93	Reconciled
352033		18-SEP-14	SOUTHERN COUNTIES LUBRICANTS LLC		3,128.68	22-SEP-14	3,128.68	Reconciled

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

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
352034		18-SEP-14	SS MECHANICAL CORPORATION		47,424.00	30-SEP-14	47,424.00	Reconciled
352035		18-SEP-14	STANDARD REGISTER COMPANY		2,345.88	22-SEP-14	2,345.88	Reconciled
352036		18-SEP-14	STANTEC CONSULTING SERVICES INC.		9,108.00	30-SEP-14	9,108.00	Reconciled
352037		18-SEP-14	STATE BOARD OF EQUALIZATION		1,658.00	24-SEP-14	1,658.00	Reconciled
352038		18-SEP-14	STATE FARM INSURANCE COMPANY AS SUBROGEE FOR JOSEPHINE DAVISON		8,009.89	29-SEP-14	8,009.89	Reconciled
352039		18-SEP-14	TEKDRAULICS		1,445.35	22-SEP-14	1,445.35	Reconciled
352040		18-SEP-14	TESTAMERICA LABORATORIES, INC		52.50	22-SEP-14	52.50	Reconciled
352041		18-SEP-14	THE GAS COMPANY		2,307.61	19-SEP-14	2,307.61	Reconciled
352042		18-SEP-14	TROPICAL PLAZA NURSERY INC		4,689.13	22-SEP-14	4,689.13	Reconciled
352043		18-SEP-14	TRUCPARCO		320.60	25-SEP-14	320.60	Reconciled
352044		18-SEP-14	TRUGREEN LANDCARE LLC		474.55	22-SEP-14	474.55	Reconciled
352045		18-SEP-14	UNITED PARCEL SERVICE INC		29.95	22-SEP-14	29.95	Reconciled
352046		18-SEP-14	UNITED SITE SERVICES OF CALIFORNIA INC		152.31	22-SEP-14	152.31	Reconciled
352047		18-SEP-14	US BANK NAT'L ASSOC N.DAKOTA		1,652.00	22-SEP-14	1,652.00	Reconciled
352048		18-SEP-14	USA BLUEBOOK		2,060.76	23-SEP-14	2,060.76	Reconciled
352049		18-SEP-14	VERIZON CALIFORNIA INC		46.04	24-SEP-14	46.04	Reconciled
352050		18-SEP-14	VWR INTERNATIONAL, LLC		827.57	22-SEP-14	827.57	Reconciled
352051		18-SEP-14	WALTERS WHOLESALE ELECTRIC		889.06	24-SEP-14	889.06	Reconciled
352052		18-SEP-14	WATERLINE TECHNOLOGIES INC		4,560.00	19-SEP-14	4,560.00	Reconciled
352053		18-SEP-14	WAXIE'S ENTERPRISES, INC		2,765.49	23-SEP-14	2,765.49	Reconciled
352054		18-SEP-14	WESTERN EXTERMINATOR COMPANY		8,867.00			Negotiable
352055		18-SEP-14	WESTERN INDUSTRIAL ELECTRIC INC		18,778.00	29-SEP-14	18,778.00	Reconciled
352056		18-SEP-14	YSI INCORPORATED		9,388.88	30-SEP-14	9,388.88	Reconciled
IRWD Ledger Payment Register For 01-SEP-14 To 30-SEP-14 Report Date: 01-OCT-2014 14:15 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								
352057		18-SEP-14	ZEE MEDICAL SERVICE CO		1,103.96	19-SEP-14	1,103.96	Reconciled
352058		18-SEP-14	ZENON ENVIRONMENTAL CORPORATION		46,244.62	29-SEP-14	46,244.62	Reconciled
352059		19-SEP-14	MARTIN GUERRA	ORANGE	412.50			Negotiable
352060		19-SEP-14	STEVEN A. CARLSON	PURCHASE	3,240.00	26-SEP-14	3,240.00	Reconciled
352061		23-SEP-14	THE SCARLET HUNTINGTON	SAN FRANCISCO	2,435.45			Negotiable
352062		24-SEP-14	Lewis, Lyndy R	HOME	32.48	29-SEP-14	32.48	Reconciled
352063		24-SEP-14	Weghorst, Paul A (Paul)	HOME	59.99			Negotiable
352064		24-SEP-14	BEDNER, BREONNA	PAY	27.66			Negotiable
352065		25-SEP-14	Chandler, Michael J (Mike)		200.00	30-SEP-14	200.00	Reconciled
352066		25-SEP-14	O'Neill, Owen H		190.00			Negotiable
352067		25-SEP-14	4IMPRINT, INC.		559.15			Negotiable
352068		25-SEP-14	ADS LLC		1,991.00	30-SEP-14	1,991.00	Reconciled
352069		25-SEP-14	AFLAC		7,019.32	30-SEP-14	7,019.32	Reconciled
352070		25-SEP-14	AIRGAS-WEST, INC.		1,708.24	29-SEP-14	1,708.24	Reconciled
352071		25-SEP-14	ALL AMERICAN SEWER TOOLS		487.92	26-SEP-14	487.92	Reconciled
352072		25-SEP-14	ALLIANT INSURANCE SERVICES, INC		9,962.00	26-SEP-14	9,962.00	Reconciled
352073		25-SEP-14	ALPHA TRAFFIC SERVICES, INC.		620.00	29-SEP-14	620.00	Reconciled
352074		25-SEP-14	ALSTON & BIRD LLP		400.44	29-SEP-14	400.44	Reconciled
352075		25-SEP-14	AM LEONARD INC		964.70	29-SEP-14	964.70	Reconciled
352076		25-SEP-14	AMERICAN SOCIETY OF CIVIL ENGINEERS		280.00			Negotiable
352077		25-SEP-14	ANDERSONPENNA PARTNERS, INC		38,422.50			Negotiable
352078		25-SEP-14	ANTHEM BLUE CROSS		562.26			Negotiable

352079	25-SEP-14	APD CONSULTANTS INC	1,500.00	30-SEP-14	1,500.00	Reconciled
352080	25-SEP-14	ARC-ZONE.COM, INC	201.07	29-SEP-14	201.07	Reconciled
352081	25-SEP-14	ARCADIS U.S., INC.	58,933.63			Negotiable
352082	25-SEP-14	ASHFORD, WALT	876.51			Negotiable
352083	25-SEP-14	ASSOCIATION OF CALIFORNIA CITIES	1,500.00	30-SEP-14	1,500.00	Reconciled
352084	25-SEP-14	AT&T	49.42			Negotiable
352085	25-SEP-14	AT&T	3,742.41	29-SEP-14	3,742.41	Reconciled
352086	25-SEP-14	AUTOZONE PARTS, INC.	38.97	29-SEP-14	38.97	Reconciled
352087	25-SEP-14	BAKERSFIELD WELL & PUMP CO	77,587.44			Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 18
 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								
352088		25-SEP-14	BELL TOWER FLORIST & GIFTS		104.75			Negotiable
352089		25-SEP-14	BIGWIG MONSTER, LLC		1,800.00	29-SEP-14	1,800.00	Reconciled
352090		25-SEP-14	BILL'S SWEEPING SERVICE INC		460.00	29-SEP-14	460.00	Reconciled
352091		25-SEP-14	BLAIRS TOWING INC		206.00	30-SEP-14	206.00	Reconciled
352092		25-SEP-14	BORCHARD SURVEYING & MAPPING, INC.		1,945.00			Negotiable
352093		25-SEP-14	BRENNTAG PACIFIC INC		2,120.00	29-SEP-14	2,120.00	Reconciled
352094		25-SEP-14	BRUCE NEWELL		1,316.00	29-SEP-14	1,316.00	Reconciled
352095		25-SEP-14	C WELLS PIPELINE MATERIALS INC		11,167.20	30-SEP-14	11,167.20	Reconciled
352096		25-SEP-14	CABELA'S MARKETING AND BRAND MANAGEMENT, INC.		7,106.00	29-SEP-14	7,106.00	Reconciled
352097		25-SEP-14	CALIFORNIA BARRICADE INC		8,270.00	26-SEP-14	8,270.00	Reconciled
352098		25-SEP-14	CALIFORNIA PACIFIC HOMES		42.57	30-SEP-14	42.57	Reconciled
352099		25-SEP-14	CANON FINANCIAL SERVICES, INC		600.48	30-SEP-14	600.48	Reconciled
352100		25-SEP-14	CAPTIVE AUDIENCE MARKETING INC.		74.52			Negotiable
352101		25-SEP-14	CARL WARREN & CO		4,507.47	29-SEP-14	4,507.47	Reconciled
352102		25-SEP-14	CAROLLO ENGINEERS, INC		20,292.00			Negotiable
352103		25-SEP-14	CHO DESIGN ASSOCIATES, INC		600.00			Negotiable
352104		25-SEP-14	CITY OF NEWPORT BEACH		1,355.75			Negotiable
352105		25-SEP-14	CITY OF SANTA ANA		117.07	29-SEP-14	117.07	Reconciled
352106		25-SEP-14	COASTLINE EQUIPMENT COMPANY		56.03	30-SEP-14	56.03	Reconciled
352107		25-SEP-14	COLONIAL LIFE & ACCIDENT INSURANCE CO.		1,708.12			Negotiable
352108		25-SEP-14	COMMERCE ENERGY INC		686.43	29-SEP-14	686.43	Reconciled
352109		25-SEP-14	CONEYBEARE INC		14,906.66			Negotiable
352110		25-SEP-14	COSCO FIRE PROTECTION INC		942.10			Negotiable
352111		25-SEP-14	COX COMMUNICATIONS		3,146.38	29-SEP-14	3,146.38	Reconciled
352112		25-SEP-14	CREATIVE ALLIANCE GROUP LLC		4,564.41	29-SEP-14	4,564.41	Reconciled

IRWD Ledger Payment Register For 01-SEP-14 To 30-SEP-14 Report Date: 01-OCT-2014 14:15
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 19
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
352113		25-SEP-14	DATA CLEAN CORPORATION		513.25	30-SEP-14	513.25	Reconciled
352114		25-SEP-14	DATASITE INC		430.00			Negotiable
352115		25-SEP-14	DELPHIN COMPUTER SUPPLY		646.65			Negotiable
352116		25-SEP-14	DIRECTV INC		105.98	30-SEP-14	105.98	Reconciled
352117		25-SEP-14	EDEN EQUIPMENT COMPANY		5,337.79	26-SEP-14	5,337.79	Reconciled
352118		25-SEP-14	EMA INC		14,455.33			Negotiable
352119		25-SEP-14	ENVIRONMENTAL EQUIPMENT SUPPLY, INC		160.13	29-SEP-14	160.13	Reconciled
352120		25-SEP-14	FEDEX		207.73			Negotiable
352121		25-SEP-14	FIRST CHOICE		935.35	30-SEP-14	935.35	Reconciled

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
352122	25-SEP-14		SERVICES FISHER SCIENTIFIC COMPANY LLC		1,330.45	29-SEP-14	1,330.45	Reconciled
352123	25-SEP-14		FLAMSON, TARYN		35.86			Negotiable
352124	25-SEP-14		FLUID CONSERVATION SYSTEMS INC		175.00			Negotiable
352125	25-SEP-14		FLW, INC.		21,148.65	30-SEP-14	21,148.65	Reconciled
352126	25-SEP-14		FO, PAM		60.60	29-SEP-14	60.60	Reconciled
352127	25-SEP-14		FREEDMAN, CARL		15.87			Negotiable
352128	25-SEP-14		FULLER TRUCK ACCESSORIES		1,587.02			Negotiable
352129	25-SEP-14		GALLADE CHEMICAL INC		399.60			Negotiable
352130	25-SEP-14		GARZA INDUSTRIES, INC		1,381.97	30-SEP-14	1,381.97	Reconciled
352131	25-SEP-14		GCI CONSTRUCTION, INC.		2,995.95	26-SEP-14	2,995.95	Reconciled
352132	25-SEP-14		GENERAL ELECTRIC COMPANY		2,072.32	29-SEP-14	2,072.32	Reconciled
352133	25-SEP-14		GRAINGER		2,315.02	29-SEP-14	2,315.02	Reconciled
352134	25-SEP-14		GRAYBAR ELECTRIC COMPANY		947.54	29-SEP-14	947.54	Reconciled
352135	25-SEP-14		HACH COMPANY		1,761.89	29-SEP-14	1,761.89	Reconciled
352136	25-SEP-14		HARPER & ASSOCIATES ENGINEERING INC		2,610.00			Negotiable
352137	25-SEP-14		HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY		137.58			Negotiable
352138	25-SEP-14		HDR ENGINEERING INC		42,374.00			Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 20
 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								
352139	25-SEP-14		HILL BROTHERS CHEMICAL COMPANY		7,904.70	29-SEP-14	7,904.70	Reconciled
352140	25-SEP-14		HOME DEPOT USA INC		423.18			Negotiable
352141	25-SEP-14		HONG, JYUNGHYUN		57.06	29-SEP-14	57.06	Reconciled
352142	25-SEP-14		HSG INC		1,536.00	29-SEP-14	1,536.00	Reconciled
352143	25-SEP-14		HUNSAKER & ASSOCIATES IRVINE		1,400.00	29-SEP-14	1,400.00	Reconciled
352144	25-SEP-14		IDEXX DISTRIBUTION, INC		687.96	29-SEP-14	687.96	Reconciled
352145	25-SEP-14		INDEPENDENT SPECIAL DISTRICT OF ORANGE COUNTY		17.00			Negotiable
352146	25-SEP-14		INDUSTRIAL DISTRIBUTION GROUP		378.40	29-SEP-14	378.40	Reconciled
352147	25-SEP-14		INDUSTRIAL METAL SUPPLY CO		463.08	30-SEP-14	463.08	Reconciled
352148	25-SEP-14		IRVINE PIPE & SUPPLY INC		631.67	26-SEP-14	631.67	Reconciled
352149	25-SEP-14		IRWD-PETTY CASH CUSTODIAN		932.93	29-SEP-14	932.93	Reconciled
352150	25-SEP-14		JACOBS PROJECT MANAGEMENT CO.		25,200.00			Negotiable
352151	25-SEP-14		JCI JONES CHEMICALS INC		4,404.40	29-SEP-14	4,404.40	Reconciled
352152	25-SEP-14		JH TECHNOLOGIES, INC		3,806.12	29-SEP-14	3,806.12	Reconciled
352153	25-SEP-14		JOHN G. ALEVIZOS D.O. INC.		949.01			Negotiable
352154	25-SEP-14		KENNY THE PRINTER		3,457.22	26-SEP-14	3,457.22	Reconciled
352155	25-SEP-14		KENT & AMY DAHLBERG		5,412.50	29-SEP-14	5,412.50	Reconciled
352156	25-SEP-14		KONECRANES INC		6,930.37	29-SEP-14	6,930.37	Reconciled
352157	25-SEP-14		LEADERSHIP TOMORROW		1,400.00			Negotiable
352158	25-SEP-14		LEE & RO, INC.		9,873.98	26-SEP-14	9,873.98	Reconciled
352159	25-SEP-14		LEE, JOHN		29.27	30-SEP-14	29.27	Reconciled
352160	25-SEP-14		LI, YUANGANG		89.03			Negotiable
352161	25-SEP-14		LUBRICATION ENGINEERS, INC.		10,533.12			Negotiable
352162	25-SEP-14		MARKET-THINK, LLC		4,270.00	29-SEP-14	4,270.00	Reconciled
352163	25-SEP-14		MARVIN GARDENS LLC		2,593.70	25-SEP-14	2,593.70	Reconciled
352164	25-SEP-14		MC MASTER CARR SUPPLY CO		1,906.65	30-SEP-14	1,906.65	Reconciled
352165	25-SEP-14		MCCLAIN'S FURNITURE INC		700.00	29-SEP-14	700.00	Reconciled
352166	25-SEP-14		MIDTRONICS INC.		163.09	29-SEP-14	163.09	Reconciled

IRWD Ledger Payment Register For 01-SEP-14 To 30-SEP-14 Report Date: 01-OCT-2014 14:15
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 21
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

Cleared

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Date	Cleared Amount	Status
Payment Document : IRWD CHECK								
352167		25-SEP-14	MISCOWATER		2,220.67	30-SEP-14	2,220.67	Reconciled
352168		25-SEP-14	MITTLER CORPORATION		9,049.09			Negotiable
352169		25-SEP-14	MOTION INDUSTRIES INC		2,051.47	29-SEP-14	2,051.47	Reconciled
352170		25-SEP-14	NATIONAL READY MIXED CONCRETE CO.		1,033.56	29-SEP-14	1,033.56	Reconciled
352171		25-SEP-14	NGUYEN, TRANG		29.97			Negotiable
352172		25-SEP-14	NMG GEOTECHNICAL INC		2,716.50	30-SEP-14	2,716.50	Reconciled
352173		25-SEP-14	NURSERY PRODUCTS LLC		4,830.88	30-SEP-14	4,830.88	Reconciled
352174		25-SEP-14	OLIN CORPORATION		19,787.62			Negotiable
352175		25-SEP-14	OLSON HAGEL FISHBURN, LLP		105.00			Negotiable
352176		25-SEP-14	ON ASSIGNMENT LAB SUPPORT		2,176.72	29-SEP-14	2,176.72	Reconciled
352177		25-SEP-14	ONESOURCE DISTRIBUTORS LLC		1,172.98	29-SEP-14	1,172.98	Reconciled
352178		25-SEP-14	ORANGE COUNTY HOSE		922.59	26-SEP-14	922.59	Reconciled
352179		25-SEP-14	ORANGE COUNTY VECTOR CONTROL DISTRICT		10,673.03			Negotiable
352180		25-SEP-14	PACIFIC HYDROTECH CORPORATION		712,495.67			Negotiable
352181		25-SEP-14	PACIFIC HYDROTECH CORPORATION		11,886.13			Negotiable
352182		25-SEP-14	PACIFIC HYDROTECH CORPORATION		25,613.64			Negotiable
352183		25-SEP-14	PACIFIC PARTS & CONTROLS INC		495.60	26-SEP-14	495.60	Reconciled
352184		25-SEP-14	PARADA PAINTING INC		10,716.00			Negotiable
352185		25-SEP-14	PARKHILL, SMITH & COOPER, INC.		2,250.00			Negotiable
352186		25-SEP-14	PAULUS ENGINEERING INC		27,493.28	30-SEP-14	27,493.28	Reconciled
352187		25-SEP-14	PEARLMAN, MARSHALL		96.43			Negotiable
352188		25-SEP-14	PEARPOINT		2,498.57	29-SEP-14	2,498.57	Reconciled
352189		25-SEP-14	PETERSEN, EVAN		50.48			Negotiable
352190		25-SEP-14	PHAM, DUNG		26.78			Negotiable
352191		25-SEP-14	PIVOT INTERIORS INC		13,550.32	30-SEP-14	13,550.32	Reconciled
352192		25-SEP-14	PRAXAIR DISTRIBUTION INC		2,703.34	30-SEP-14	2,703.34	Reconciled
IRWD Ledger Payment Register For 01-SEP-14 To 30-SEP-14 Report Date: 01-OCT-2014 14:15								
BANK: Bank of America N.A.			Branch : Los Angeles		Account: Checking AP and PR		Page: 22	
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								
352193		25-SEP-14	PRE-PAID LEGAL SERVICES INC		1,400.61			Negotiable
352194		25-SEP-14	PREMIER PAVING INC		677.23	30-SEP-14	677.23	Reconciled
352195		25-SEP-14	PRO GROWERS INC		2,704.10			Negotiable
352196		25-SEP-14	PYRAMID WIRE AND CABLE		1,123.33			Negotiable
352197		25-SEP-14	R&B AUTOMATION INC		11,144.43			Negotiable
352198		25-SEP-14	RAM AIR ENGINEERING INC		1,647.28	30-SEP-14	1,647.28	Reconciled
352199		25-SEP-14	RBF CONSULTING		12,629.57			Negotiable
352200		25-SEP-14	RBF CONSULTING		7,111.00	30-SEP-14	7,111.00	Reconciled
352201		25-SEP-14	REFRIGERATION SUPPLIES		1,375.40	26-SEP-14	1,375.40	Reconciled
352202		25-SEP-14	REGENTS OF THE UNIVERSITY OF CALIFORNIA		650.00			Negotiable
352203		25-SEP-14	RINCON TRUCK CENTER INC.		58.70	29-SEP-14	58.70	Reconciled
352204		25-SEP-14	RINCON TRUCK CENTER INC.		2,159.53	29-SEP-14	2,159.53	Reconciled
352205		25-SEP-14	SANDERS PAVING INC		8,566.00			Negotiable
352206		25-SEP-14	SANTA ANA BLUE PRINT		499.10	29-SEP-14	499.10	Reconciled
352207		25-SEP-14	SANTA MARGARITA FORD		366.71	29-SEP-14	366.71	Reconciled
352208		25-SEP-14	SHAMROCK SUPPLY CO INC		1,436.98	26-SEP-14	1,436.98	Reconciled
352209		25-SEP-14	SNAP-ON INCORPORATED		1,007.32			Negotiable
352210		25-SEP-14	SOUTH COAST BOBCAT		3,535.92			Negotiable
352211		25-SEP-14	SOUTHERN CALIFORNIA EDISON COMPANY		205,990.15	29-SEP-14	205,990.15	Reconciled
352212		25-SEP-14	SOUTHERN CALIFORNIA EDISON		615.00			Negotiable

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
352213	25-SEP-14	COMPANY SS MECHANICAL CORPORATION			274,439.23	30-SEP-14	274,439.23	Reconciled
352214	25-SEP-14	SS MECHANICAL CORPORATION			14,444.17			Negotiable
352215	25-SEP-14	STANTEC CONSULTING SERVICES INC.			16,484.00			Negotiable
352216	25-SEP-14	STAR BRITE BUILDING MAINTENANCE INC			11,963.75			Negotiable
352217	25-SEP-14	STINEHART, MARTHA			54.11			Negotiable

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 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 23
 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								
352218	25-SEP-14	THE FURMAN GROUP, INC.			10,136.00			Negotiable
352219	25-SEP-14	TRAN, NGOC			32.14			Negotiable
352220	25-SEP-14	TROPICAL PLAZA NURSERY INC			6,402.06	26-SEP-14	6,402.06	Reconciled
352221	25-SEP-14	TRUCPARCO			1,523.33			Negotiable
352222	25-SEP-14	TRUGREEN LANDCARE LLC			45,418.00			Negotiable
352223	25-SEP-14	TYCO INTEGRATED SECURITY, LLC			3,467.10			Negotiable
352224	25-SEP-14	U S RIGGING SUPPLY			935.22	29-SEP-14	935.22	Reconciled
352225	25-SEP-14	UNITED SITE SERVICES OF CALIFORNIA INC			452.15	29-SEP-14	452.15	Reconciled
352226	25-SEP-14	UNITED WAY OF ORANGE COUNTY			510.00	30-SEP-14	510.00	Reconciled
352227	25-SEP-14	US BANK NAT'L ASSOCIATION NORTH DAKOTA			49,333.95			Negotiable
352228	25-SEP-14	VALLEYCREST LANDSCAPE DEVELOPMENT, INC.			8,973.06	29-SEP-14	8,973.06	Reconciled
352229	25-SEP-14	VALLEYCREST LANDSCAPE DEVELOPMENT, INC.			138,819.79			Negotiable
352230	25-SEP-14	VAN TIL, DAVID			600.00			Negotiable
352231	25-SEP-14	VERIZON CALIFORNIA INC			450.01			Negotiable
352232	25-SEP-14	VERTECH INDUSTRIAL SYSTEMS, LLC			32,650.66			Negotiable
352233	25-SEP-14	VULCAN MATERIALS COMPANY			1,364.55	29-SEP-14	1,364.55	Reconciled
352234	25-SEP-14	VWR INTERNATIONAL, LLC			277.64	29-SEP-14	277.64	Reconciled
352235	25-SEP-14	WALTERS WHOLESALE ELECTRIC			569.87	30-SEP-14	569.87	Reconciled
352236	25-SEP-14	WATERBORNE, INC			435.00			Negotiable
352237	25-SEP-14	WATERLINE TECHNOLOGIES INC			4,686.00	26-SEP-14	4,686.00	Reconciled
352238	25-SEP-14	WAXIE'S ENTERPRISES, INC			476.64	29-SEP-14	476.64	Reconciled
352239	25-SEP-14	WEBER WATER RESOURCES CA, LLC			28,102.32			Negotiable
352240	25-SEP-14	WECK LABORATORIES INC			6,150.00	26-SEP-14	6,150.00	Reconciled

IRWD Ledger Payment Register For 01-SEP-14 To 30-SEP-14 Report Date: 01-OCT-2014 14:15
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 24
 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								
352241	25-SEP-14	WESTERN EXTERMINATOR COMPANY			1,690.00			Negotiable
352242	25-SEP-14	WOODRUFF, SPRADLIN & SMART APC			178.50	29-SEP-14	178.50	Reconciled
352243	25-SEP-14	WALTON MOTORS & CONTROLS INC	SOUTH EL MONTE		8,244.40	26-SEP-14	8,244.40	Reconciled
352244	25-SEP-14	LOPEZ, PATTY	PAY		75.37	29-SEP-14	75.37	Reconciled
352245	29-SEP-14	BAUTISTA, RITA	PAY		83.00			Negotiable
352246	29-SEP-14	BRANNIGAN, HANG	PAY		28.54			Negotiable
352247	29-SEP-14	BRINTON BLEAK, JUDITH	PAY		61.07			Negotiable
352248	29-SEP-14	CATRANIS, KATHY	PAY		35.07			Negotiable
352249	29-SEP-14	HAMEDANI, DENA	PAY		32.03			Negotiable
352250	29-SEP-14	KIANG, KATHLEEN	PAY		24.43			Negotiable
352251	29-SEP-14	KIRBY, EVAN	PAY		37.83			Negotiable
352252	29-SEP-14	LEE, FREDERICK	PAY		42.52			Negotiable

352253	29-SEP-14	MARTIN, BEN	PAY	44.56	Negotiable
352254	29-SEP-14	OWENS, JOY L	PAY	54.47	Negotiable
352255	29-SEP-14	PROJECTLINE	PAY	848.04	Negotiable
352256	29-SEP-14	RAYNAUD, CHRISTELLE	PAY	174.05	Negotiable
352257	29-SEP-14	RIEGLE, ALICIA	PAY	29.42	Negotiable
352258	29-SEP-14	RONG, SUN	PAY	37.20	Negotiable
352259	29-SEP-14	SCOTT, CHRISTOPHE	PAY	73.36	Negotiable
352260	29-SEP-14	TURTLE RIDGE APARTMENTS	PAY	2,060.55	Negotiable
352261	29-SEP-14	WATTS, GERARD	PAY	8.27	Negotiable
352262	29-SEP-14	WILLIAMS, MICHAEL	PAY	64.75	Negotiable
352263	29-SEP-14	YU, NELSON	PAY	33.48	Negotiable
352264	29-SEP-14	MENNEALY, TIMOTHY W	PAY	386.64	Negotiable
352265	29-SEP-14	PARVIZI, JINOUS	PAY	40.06	Negotiable
352266	29-SEP-14	DANG, HA-NHU	PAY	49.69	Negotiable
352267	29-SEP-14	BAKER, KEVIN	PAY	60.66	Negotiable
352268	29-SEP-14	CONSOLIDATED CONTRACTING SERV	PAY	616.55	Negotiable
352269	29-SEP-14	DAVIS, KRYSSTEL S	PAY	74.24	Negotiable
352270	29-SEP-14	DIAMOND, JEANETTE	PAY	110.27	Negotiable
352271	29-SEP-14	FILIP, CIPRIAN	PAY	58.25	Negotiable
352272	29-SEP-14	FISHER, DUSTIN	PAY	25.47	Negotiable
352273	29-SEP-14	GINN, MAGGIE	PAY	30.19	Negotiable
352274	29-SEP-14	GUERNSEY, MIKE	PAY	30.40	Negotiable
352275	29-SEP-14	KB HOMES	PAY	27.31	Negotiable
352276	29-SEP-14	LIOU, SHWU-FEN	PAY	24.56	Negotiable
352277	29-SEP-14	MANSHIP, HANNS	PAY	25.19	Negotiable

IRWD Ledger Payment Register For 01-SEP-14 To 30-SEP-14 Report Date: 01-OCT-2014 14:15
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 25
 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								
352278		29-SEP-14	PERDOMO, GABRIELA	PAY	10.36			Negotiable
352279		29-SEP-14	RYLAND HOMES OF CALIFORNIA INC	PAY	17.00			Negotiable
352280		29-SEP-14	RYLAND HOMES OF CALIFORNIA INC	PAY	25.80			Negotiable
352281		29-SEP-14	SANTORO, DANIELA	PAY	26.74			Negotiable
352282		29-SEP-14	TERRAZAS, BLANCA	PAY	17.45			Negotiable
352283		29-SEP-14	THE NEW HOME COMPANY	PAY	35.69			Negotiable
352284		29-SEP-14	TRI POINT HOMES INC	PAY	17.00			Negotiable
352285		29-SEP-14	TSAO, STEVEN	PAY	28.25			Negotiable
352286		29-SEP-14	AMERICAN LANDSCAPE INC	PAY	409.13			Negotiable
352287		29-SEP-14	BIBRO, VICKIE	PAY	39.15			Negotiable
352288		29-SEP-14	BOLAND, JON	PAY	72.21			Negotiable
352289		29-SEP-14	BONELLO, MATTHEW	PAY	36.74			Negotiable
352290		29-SEP-14	BORCHARD, TERENCE	PAY	366.91			Negotiable
352291		29-SEP-14	CONSOLIDATED CONTRACTING SERV	PAY	872.87			Negotiable
352292		29-SEP-14	CURS, CLAUDE	PAY	25.47			Negotiable
352293		29-SEP-14	ELGGREN, DAN	PAY	84.95			Negotiable
352294		29-SEP-14	ENGLEMAN, WILLIAM	PAY	34.07			Negotiable
352295		29-SEP-14	GARTH, TIM	PAY	26.38			Negotiable
352296		29-SEP-14	GILLIS, ROCHELLE	PAY	71.40			Negotiable
352297		29-SEP-14	HANSON, RACHAEL	PAY	40.97			Negotiable
352298		29-SEP-14	LIU, XI	PAY	75.93			Negotiable
352299		30-SEP-14	MCCORMICK, CHAD	PAY	71.23			Negotiable
352300		30-SEP-14	MOKHTARE, MOHAMMAD	PAY	372.86			Negotiable
352301		30-SEP-14	MORRIS, KATHLEEN	PAY	9.23			Negotiable
352302		30-SEP-14	PENG, HUI	PAY	441.89			Negotiable
352303		30-SEP-14	POLANA, ANDREW	PAY	43.15			Negotiable
352304		30-SEP-14	RICHARD, JENNIFER	PAY	28.01			Negotiable
352305		30-SEP-14	SAN LEON APTS	PAY	83.55			Negotiable
352306		30-SEP-14	SHAPIRO, MICHAEL	PAY	4.71			Negotiable
352307		30-SEP-14	SIGATY, KIM	PAY	45.61			Negotiable
352308		30-SEP-14	SWEET, JEFFREY	PAY	23.65			Negotiable
352309		30-SEP-14	SZEDER, JOHN	PAY	35.89			Negotiable
352310		30-SEP-14	TAJIMA, YUHKI	PAY	48.13			Negotiable
352311		30-SEP-14	US LABS	PAY	1,589.11			Negotiable
352312		30-SEP-14	VALLEY CREST LANDSCAPE	PAY	585.95			Negotiable
352313		30-SEP-14	VARGAS, MARTHA	PAY	45.05			Negotiable
352314		30-SEP-14	WANG, TIM	PAY	102.27			Negotiable
352315		30-SEP-14	WILLIAM LYON HOMES INC	PAY	93.26			Negotiable

IRWD Ledger Payment Register For 01-SEP-14 To 30-SEP-14 Report Date: 01-OCT-2014 14:15
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Page: 26
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar)
 Payment Type: All Display Supplier Address: No

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

352316	30-SEP-14	WILSON, EILEEN	PAY	83.69	Negotiable
352317	30-SEP-14	WU, MS.	PAY	58.16	Negotiable
352318	30-SEP-14	XING, LEI	PAY	31.31	Negotiable
352319	30-SEP-14	ZIEGLER, MARTIN J	PAY	52.86	Negotiable
352320	30-SEP-14	JCI JONES	CINCINNATI	3,392.27	Negotiable
		CHEMICALS INC			
352321	30-SEP-14	AJIT, AMIRTHA	PAY	17.75	Negotiable
352322	30-SEP-14	ATTALLAH, GEORGE	PAY	30.76	Negotiable
352323	30-SEP-14	BURMAN, DIANA L	PAY	43.62	Negotiable
352324	30-SEP-14	CHANG, CORINA	PAY	25.33	Negotiable
352325	30-SEP-14	CHEN, JASON	PAY	55.98	Negotiable
352326	30-SEP-14	FORMAN, MARJORIE	PAY	37.63	Negotiable
352327	30-SEP-14	GARCIA, ASHLEY	PAY	31.76	Negotiable
352328	30-SEP-14	GREY, CHARLES	PAY	33.13	Negotiable
352329	30-SEP-14	HMB GRP, INC	PAY	60.14	Negotiable
352330	30-SEP-14	HUI, AUSTIN	PAY	32.61	Negotiable
352331	30-SEP-14	JUNG, YOU SUNG	PAY	20.86	Negotiable
352332	30-SEP-14	KIM, DONG HWA	PAY	49.53	Negotiable
352333	30-SEP-14	KRANTZ, MELISSA	PAY	88.15	Negotiable
352334	30-SEP-14	KWON, JUNG J	PAY	10.41	Negotiable
352335	30-SEP-14	LAI, ANNE	PAY	28.25	Negotiable
352336	30-SEP-14	LEE, JAETACK	PAY	97.96	Negotiable
352337	30-SEP-14	LIU, MING	PAY	49.91	Negotiable
352338	30-SEP-14	MAN, DANIELLE	PAY	59.44	Negotiable
352339	30-SEP-14	MCSHEA, KARAN	PAY	59.04	Negotiable
352340	30-SEP-14	MULAKAMI,	PAY	59.91	Negotiable
		FUMITOSHI			
352341	30-SEP-14	NELSON, ANDREW	PAY	31.34	Negotiable
352342	30-SEP-14	NGUYEN, KIMDUY	PAY	43.51	Negotiable
352343	30-SEP-14	NORTHWIND HOA	PAY	68.70	Negotiable
352344	30-SEP-14	RICHMOND AMERICAN HOMES	PAY	17.00	Negotiable
352345	30-SEP-14	RYLAND HOMES OF CALIFORNIA INC	PAY	17.00	Negotiable
352346	30-SEP-14	SANTOS, ERISA	PAY	39.70	Negotiable
352347	30-SEP-14	SEGAL, BRYCE	PAY	35.25	Negotiable
352348	30-SEP-14	SIMMONS, FRANCES	PAY	22.95	Negotiable
352349	30-SEP-14	STEWART, JAMES	PAY	30.04	Negotiable
352350	30-SEP-14	SURRELL, RICHARD	HPAY	39.12	Negotiable
352351	30-SEP-14	TIAOKHIAO, SENE	PAY	41.52	Negotiable
352352	30-SEP-14	TON, LEYEN	PAY	19.17	Negotiable
352353	30-SEP-14	WONG, DOUGLAS	PAY	31.89	Negotiable
352354	30-SEP-14	WU, HSIN HUNG	PAY	25.19	Negotiable
352355	30-SEP-14	MUSTAFA, SHAHANA	PAY	14.36	Negotiable
352356	30-SEP-14	TACOS AND COMPANY	IRVINE	1,512.00	Negotiable

IRWD Ledger
 BANK: Bank of America N.A. Branch : Los Angeles Account: Checking AP and PR Report Date: 01-OCT-2014 14:15
 Bank Account Currency: USD (US Dollar) Payment Currency: USD (US Dollar) Page: 27
 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								
Payment Document Subtotal:					6,964,035.32		5,165,913.45	
Payment Document : IRWD Wire								
10595		05-SEP-14	CALPERS	SACRAMENTO	366,360.72			Negotiable
10596		10-SEP-14	YORK INSURANCE SERVICES GROUP INC - CA	1	3,111.27			Negotiable
10597		10-SEP-14	YORK INSURANCE SERVICES GROUP INC - CA		2,638.64			Negotiable
10598		19-SEP-14	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	176,110.00			Negotiable
10599		19-SEP-14	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	5,066.63			Negotiable
10600		19-SEP-14	SUMITOMO MITSUI BANKING CORPORATION	NEW YORK	696.82			Negotiable
10601		19-SEP-14	U.S. BANK NATIONAL ASSOCIATION		1,495.92			Negotiable
10602		19-SEP-14	BANK OF AMERICA	SAN FRANCISCO	1,227.41			Negotiable
10603		19-SEP-14	EMPLOYEE BENEFIT SPECIALIST, INC		37,553.96			Negotiable
10604		19-SEP-14	INTERNAL REVENUE SERVICE	FRESNO	156,780.75			Negotiable
10605		19-SEP-14	FRANCHISE TAX BOARD	SACRAMENTO	42,308.57			Negotiable
10606		19-SEP-14	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,095.09			Negotiable
10607		19-SEP-14	ORDONEZ, CYNTHIA MARIE	DESERT HOT SPR	500.17			Negotiable

10608	19-SEP-14	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,376.90		Negotiable
10609	19-SEP-14	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	10,701.11		Negotiable
10610	19-SEP-14	GREAT WEST	DENVER	101,450.58		Negotiable
10611	19-SEP-14	CALPERS	SACRAMENTO	84,286.57		Negotiable

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

Payment Register For 01-SEP-14 To 30-SEP-14
 Account: Checking AP and PR
 Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Report Date: 01-OCT-2014 14:15
 Page: 28

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
10612		19-SEP-14	SUMITOMO MITSUI BANKING CORPORATION	NEW YORK	1,656.99			Negotiable
10613		19-SEP-14	FILANC-BALFOUR BEATTY JV	ESR 211084000	3,727,889.30			Negotiable
10614		22-SEP-14	YORK INSURANCE SERVICES GROUP INC - CA	PAY	9,674.04			Negotiable
10615		23-SEP-14	BANK OF NEW YORK MELLON TRUST COMPANY NA	NEWARK	583.53			Negotiable
10616		23-SEP-14	MERRILL LYNCH CAPITAL SERVICES, INC	CHARLOTTE	360,000.00			Negotiable
10617		23-SEP-14	CITIGROUP GLOBAL MARKETS INC.	NEW YORK	1,421,075.97			Negotiable
10618		23-SEP-14	MERRILL LYNCH CAPITAL SERVICES, INC	CHARLOTTE	829,586.96			Negotiable
10619		23-SEP-14	CITIGROUP GLOBAL MARKETS INC.	NEW YORK	829,586.93			Negotiable
10620		23-SEP-14	MUNICIPAL WATER DISTRICT OF ORANGEVALLEY COUNTY	FOUNTAIN	1,296,124.98			Negotiable
10621		23-SEP-14	U.S. BANK NATIONAL ASSOCIATION	ST. LOUIS	9,018.25			Negotiable
10622		23-SEP-14	INTERNAL REVENUE SERVICE	FRESNO	161,200.77			Negotiable
10623		23-SEP-14	FRANCHISE TAX BOARD	SACRAMENTO	43,957.42			Negotiable
10624		23-SEP-14	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	10,094.93			Negotiable
10625		23-SEP-14	ORDONEZ, CYNTHIA MARIE	DESERT HOT SPR	500.17			Negotiable
10626		23-SEP-14	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	SACRAMENTO	2,376.90			Negotiable
10627		23-SEP-14	EMPLOYEE BENEFIT SPECIALIST, INC	PAY	11,069.06			Negotiable
10628		23-SEP-14	GREAT WEST	DENVER	94,967.13			Negotiable
10629		23-SEP-14	CALPERS	SACRAMENTO	84,592.82			Negotiable
10630		29-SEP-14	PCL CONSTRUCTION, INC.	TEMPE	1,722,510.90			Negotiable

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

Payment Register For 01-SEP-14 To 30-SEP-14
 Account: Checking AP and PR
 Payment Currency: USD (US Dollar)
 Display Supplier Address: No

Report Date: 01-OCT-2014 14:15
 Page: 29

Payment Number	Sequence Num	Date	Supplier Name	Site	Payment Amount	Cleared Date	Cleared Amount	Status
Payment Document : IRWD Wire								
10631		29-SEP-14	PCL CONSTRUCTION, INC.	TEMPE	191,390.10			Negotiable
10632		29-SEP-14	INTERNAL REVENUE SERVICE	FRESNO	4,727.65			Negotiable
10633		29-SEP-14	FRANCHISE TAX BOARD	SACRAMENTO	1,007.44			Negotiable
10634		29-SEP-14	EMPLOYMENT DEVELOPMENT DEPARTMENT	W SACRAMENTO	207.37			Negotiable
10635		30-SEP-14	YORK INSURANCE SERVICES GROUP INC - CA	PAY	7,539.31			Negotiable
10636		30-SEP-14	YORK INSURANCE SERVICES GROUP INC - CA	PAY	7,521.15			Negotiable

Payment Document Subtotal: 11,831,621.18

	Bank Account Subtotal :	18,795,656.50	5,165,913.45
Report Count : 751	Report Total:	18,795,656.50	5,165,913.45
	Total Disbursements		

*** End of Report ***

IRWD Ledger

Void Payment Register

Report Date: 01-OCT-2014 14:12

Include Zero Amount Payments: Yes
 Display Payee Address: No

Period From: 01-SEP-14

Page: 1
 To: 30-SEP-14
 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
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Payment Document: IRWD CHECK

350401	03-JUL-14	WAN, WENHUI	IRVINE		679.52	03-SEP-14
351606	28-AUG-14	SAN CARLO APTS	PAY		265.58	03-SEP-14

Payment Document Subtotal 945.10

Bank Account Subtotal 945.10

Report Count: 2

Report Total 945.10 Total Voids

*** End of Report ***

\$18,795,656.50 Total Disbursements

<945.10> Total Voids

\$18,794,711.40

Exhibit "E"

IRWD Gov Code 53065.5 Disclosure Report

Payment or Reimbursements for Individual charges of \$100 or more per transaction for services or product received.

01-SEP-14 to 30-SEP-14

NAME	CHECK NUMBER	CHECK DATE	TRANSACTION	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Cascelli, Craig M	351924	18-Sep-14	156.00	Membership/Certification	CWEA membership renewal fees
Chandler, Michael J	352065	25-Sep-14	105.00	Membership/Certification	Water Distribution Operator Grade IV certificate exam fee
Chaney, David (Dave)	351925	18-Sep-14	230.00	Membership/Certification	Grade II Wastewater Treatment Plant Operator certificate fee
Jones, Jeffrey	351784	11-Sep-14	156.00	Membership/Certification	CWEA membership renewal fees
Jose Martinez	351785	11-Sep-14	240.00	Membership/Certification	CWEA Electrical/Instrumentation Grade II renewal and membership fees
Kallo, John	351654	4-Sep-14	145.00	Membership/Certification	CWEA Electrical Instrumental Grade I renewal fee
LaMar, Steven E	351791	11-Sep-14	147.57	Lodging	Lake Tahoe Resort Hotel, attending ACWA 2014 Regulatory Summit - 8/13/2014
LaMar, Steven E	351791	11-Sep-14	167.74	Auto Rental	Attending ACWA 2014 Regulatory Summit - 8/13/2014
Nelson, Mark D (Mark)	351787	11-Sep-14	105.00	Membership/Certification	Water Treatment Operator Grade T4 exam fee
Nelson, Mark D (Mark)	351787	11-Sep-14	130.00	Membership/Certification	Water Treatment Operator Grade T4 certificate renewal fee
O'Neill, Owen H	352066	25-Sep-14	190.00	Membership/Certification	CWEA Instrumentation Grade IV membership Fee
Pennington, Jared	351927	18-Sep-14	156.00	Membership/Certification	CWEA membership renewal fees
Reinhart, Douglas J	351783	11-Sep-14	257.78	Lodging	San Diego Hilton, attending Urban Water Institute Annual Conf. 8/13-15/2014
Reinhart, Douglas J	351783	11-Sep-14	257.78	Lodging	San Diego Hilton, attending Urban Water Institute Annual Conf. 8/13-15/2014
Solis, Henry (Henry)	351653	4-Sep-14	156.00	Membership/Certification	CWEA membership renewal fees
Total Amount:			\$ 2,559.87		

DS
October 27, 2014
Prepared by: A. Murphy/M. Cortez
Submitted by: K. Burton *K.B.*
Approved by: Paul Cook *P. Cook*

CONSENT CALENDAR

MANNING AND PORTOLA ZONE 9 BOOSTER PUMP STATION GENERATOR
FINAL ACCEPTANCE

SUMMARY:

The Manning and Portola Zone 9 Booster Pump Station Generator Project is complete. The contractor, Paulus Engineering, has completed the required work and all punch list items. The project has received final inspection and acceptance of construction is recommended.

BACKGROUND:

The Manning and Portola Zone 9 Booster Pump Station Generator Project installed permanent electrical generators at the Manning and Portola Booster Pump Stations. Both generator installations included the construction of retaining and screen walls, reinforced concrete generator pads, and associated electrical work. Work at the Manning site also included the construction of approximately 50 linear feet of 3-inch CML&C steel drain line and two motor operated valves to automate the discharge of off specification water.

Paulus was awarded the construction contract on September 25, 2013. The Manning generator was commissioned on June 12, 2014 and the Portola Zone 9 generator was commissioned on July 16, 2014. Construction is complete and the project is ready for final acceptance by the Board.

Project Title:	Manning and Portola Zone 9 Booster Pump Station Generator
Project No.:	11667 (4146) and 11675 (4277)
Design Engineer:	Psomas
Construction Management by:	IRWD Staff
Contractor:	Paulus Engineering
Original Contract Cost:	\$518,353.00
Final Contract Cost:	\$533,097.27
Original Contract Days:	210
Final Contract Days:	372
Final Change Order Approved On:	August 4, 2014

FISCAL IMPACTS:

Projects 11667 (4146) and 11675 (4277) were included in the FY 2014-15 Capital Budget. The existing budgets are sufficient to fund the final payment for the project.

ENVIRONMENTAL COMPLIANCE:

Portola Zone 9 Booster Pump Station Site:

This project is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15301 which provides exemption for minor alterations of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination. A Notice of Exemption for the project was filed on November 21, 2012.

Manning Booster Pump Station Site:

This project is subject to the National Environmental Policy Act (NEPA). In conformance with Chapter 30, Section 32.2 of the Forest Service Handbook 1909.15, the US Forest Service issued its Decision Memo to the District on August 30, 2013 and posted the memo in the Orange County Register and the Corona Press-Enterprise on September 16, 2013, indicating the project was categorically excluded from documentation in an environmental impact statement of an environmental assessment. The project was excluded per Category 3: Approval, modification or continuation of minor special uses of National Forest System lands that require less than five contiguous acres of land. With the approval of the District's legal counsel, IRWD proceeded with construction at the site based on the issue of the Decision Memo, prior to receiving the US Forest Service Special Use Permit which was issued on July 30, 2014.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

RECOMMENDATION:

THAT THE BOARD ACCEPT CONSTRUCTION OF THE MANNING AND PORTOLA ZONE 9 BOOSTER PUMP STATION GENERATOR, PROJECTS 11667 (4146) AND 11675 (4277); 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.

08
October 27, 2014
Prepared by: K. Lew
Submitted by: K. Burton *KLB*
Approved by: Paul Cook *Paul Cook*

CONSENT CALENDAR

PLANNING AREA 51 HERITAGE FIELDS
DISTRICT 1 CAPITAL FACILITIES

SUMMARY:

Heritage Fields El Toro, LLC (Heritage Fields) is currently developing Planning Area (PA) 51 (Great Park) which includes the construction of streets, storm drains, domestic water, sewer, and recycled water improvements. As part of the development of the District 1 area, Heritage Fields will construct IRWD's capital facilities under an existing Supplemental Reimbursement Agreement. Staff recommends that the Board authorize a budget increase for Project 11673 (4268) in the amount of \$62,200, from \$424,000 to \$486,200, and for Project 30394 (4278) in the amount of \$66,000, from \$398,200 to \$464,200.

BACKGROUND:

Heritage Fields is moving forward with the development of PA 51 District 1. District 1 is bound by Irvine Boulevard to the north, the State Route 133 to the west, Marine Way to the south, and the Great Park to the east. The project location map is shown as Exhibit "A". As part of this development, Heritage Fields will design and construct IRWD's domestic water, sewer, and recycled water capital improvements. The required IRWD capital facilities are documented in the PA 31 and 51 Sub-Area Master Plan Update, as prepared by RBF Consulting in September 2011.

The design and construction of the IRWD facilities will be performed under the terms of an existing Master Reimbursement Agreement between Heritage Fields and IRWD dated August 13, 2012, and as further defined in an existing Supplemental Reimbursement Agreement dated March 10, 2014. Heritage Fields is phasing the capital improvement plans to facilitate their development schedule. This current request includes two construction contracts as described below. Staff will present the remaining District 1 construction contracts to the Board in early 2015.

Ridge Valley Segment I from Marine Way to Trabuco Road:

The Ridge Valley Segment I project consists of approximately 4,100 linear feet of 12-inch diameter domestic water pipeline and 4,100 linear feet of 12-inch recycled water pipeline. Heritage Fields retained Hunsaker and Associates to prepare the Ridge Valley improvement plans and they received bids from four contractors. Heritage Fields recommends awarding the construction contract to the lowest bidder, FYDAQ, for a bid amount of \$477,585.71 as shown in Exhibit "B". In addition, Heritage Fields has received consultant proposals for geotechnical observation and testing, engineering construction phase services, surveying, and field archeological/paleontological monitoring. Staff has reviewed the consultant proposals and the construction bids and found the amounts to be acceptable. A summary of the Ridge Valley Segment I capital improvement costs is shown in the following list.

Design (Hunsaker)	\$ 81,600.00
Geotechnical Design (Engeo)	None
Construction (FYDAQ)	\$ 477,585.71
Geotechnical Services (Engeo)	\$ 63,300.00
Construction Engineering/Surveying (Hunsaker)	\$ 27,750.00
Field Archeo/Paleo Monitoring (LSA)	\$ 8,345.00
Heritage Fields Administration Fee (1%)	<u>\$ 4,775.86</u>
	\$ 663,356.57

LY Street Segment I and II from Trabuco Road to Irvine Boulevard:

The LY Street capital facilities consist of approximately 100 linear feet of 12-inch diameter domestic water pipeline, 3,300 linear feet of 12-inch to 18-inch sewer pipeline, and 4,900 linear feet of 6-inch to 16-inch recycled water pipeline. Heritage Fields retained Hunsaker and Associates to prepare the LY Street improvement plans and they received bids from four contractors. Heritage Fields recommends awarding the construction contract to the lowest bidder, FYDAQ, for a bid amount of \$1,121,498.09 as shown in Exhibit "C". In addition, Heritage Fields has received consultant proposals for geotechnical observation and testing, engineering construction support services, surveying, and field archeological/paleontological monitoring. Staff has reviewed the consultant proposals and the construction bids and found the amounts to be acceptable. A summary of the LY Street capital improvement costs is shown below.

Design (Hunsaker)	\$ 97,740.00
Geotechnical Design (Engeo)	\$ 4,500.00
Construction (FYDAQ)	\$ 1,121,498.09
Geotechnical Services (Engeo)	\$ 87,700.00
Construction Engineering/Surveying (Hunsaker)	\$ 46,300.00
Field Archeo/Paleo Monitoring (LSA)	\$ 12,690.00
Heritage Fields Administration Fee (1%)	<u>\$ 11,214.98</u>
	\$ 1,381,643.07

FISCAL IMPACTS:

Projects 11673 (4268), 30394 (4278), 11723 (4650), 21723 (4651), 31723 (4652), and 30427 (4647) are included in the FY 2014-15 Capital Budget. Staff requests an increase to the FY 2014-15 Capital Budget as shown in the table below:

Project No.	Current Budget	Addition <Reduction>	Total Budget
11673 (4268)	\$424,000	\$62,200	\$486,200
30394 (4278)	\$398,200	\$66,000	\$464,200

ENVIRONMENTAL COMPLIANCE:

Construction of capital domestic water, sewer, and recycled water facilities for the Great Park Development is subject to CEQA. In conformance with the California Code of Regulations Title 14, Chapter 3, Article 7 an Environmental Impact Report was certified by the City of Irvine, the lead agency on April 4, 2012 (SCH# 2002101020).

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on October 21, 2014.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE FOR PROJECT 11673 (4268) IN THE AMOUNT OF \$62,200, FROM \$424,000 TO \$486,200, AND FOR PROJECT 30394 (4278) IN THE AMOUNT OF \$66,000, FROM \$398,200 TO \$464,200 FOR THE CONSTRUCTION OF STREETS, STORM DRAINS, DOMESTIC WATER, SEWER AND RECYCLED WATER IMPROVEMENTS UNDER AN EXISTING SUPPLEMENTAL REIMBURSEMENT AGREEMENT WITH HERITAGE FIELDS EL TORO, LLC FOR PLANNING AREA 51 (GREAT PARK) IN HERITAGE FIELDS DISTRICT 1.

LIST OF EXHIBITS:

- Exhibit "A" – Location Map
- Exhibit "B" – Bid Summary for Construction of Ridge Valley Segment I from Marine Way to Trabuco Road
- Exhibit "C" – Bid Summary for Construction of LY Street Segment I and II from Trabuco Road to Irvine Boulevard

EXHIBIT "B"

CONTRACT PRICE SCHEDULE
HERITAGE FIELDS - DISTRICT 1 - JOINT BACKBONE IMPROVEMENTS
 CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA
**DISTRICT 1, GROUP 4, UNDERGROUND IMPROVEMENTS - SANITARY SEWER,
 RECYCLED WATER AND DOMESTIC WATER**
 IRWD CAPITAL IMPROVEMENTS

IRWD Code # 5873

Item	Description	Estimated Quantity	Unit	LOW BID - FYDAQ		L&S		LEATHERWOOD		KENNEDY	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
DISTRICT 1 SOUTH, GROUP 4, IRWD CAPITAL FACILITIES											
I IRWD CAPITAL - 'O' ST SEG I											
Construction Plans for the Irvine Ranch Water District, Planning Area 51, Great Park Neighborhoods, Capital Improvements, Ridge Valley (from Marine Way to Trabuco Road) Domestic Water Zone 3 (470 HGL) & Recycled Water Zone B (460 HGL), Capital Project Nos. 11673 (4268) & 30394 (4278), Non-Capital Project Nos. 3860 & 3863, IRWD Code 5873											
A GENERAL - IRWD CAPITAL - 'O' ST SEG I - MILESTONE 1											
1.	MOBILIZATION (NOT TO EXCEED 2% OF CONTRACT PRICE OF SECTIONS G-4)	1	LS	\$ 750.00	\$ 750.00	\$ 3,500.00	\$ 3,500.00	\$ 3,300.00	\$ 3,300.00	\$ 6,000.00	\$ 6,000.00
2.	PAYMENT AND PERFORMANCE BONDS - (SECTIONS G-1)	1	LS	\$ 2,034.00	\$ 2,034.00	\$ 2,000.00	\$ 2,000.00	\$ 2,440.00	\$ 2,440.00	\$ 6,130.00	\$ 6,130.00
3.	SWPPP & BMPS (SECTIONS G-1)	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 1,200.00	\$ 1,200.00	\$ 1,100.00	\$ 1,100.00	\$ 2,000.00	\$ 2,000.00
4.	DEVELOP CONSTRUCTION WATER (SECTIONS G-1)	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 800.00	\$ 800.00	\$ 500.00	\$ 500.00	\$ 2,000.00	\$ 2,000.00
5.	TRAFFIC CONTROL & DAILY STREET CLEANING (SECTIONS G-1)	1	LS	\$ -	\$ -	\$ 1,800.00	\$ 1,600.00	\$ 1,100.00	\$ 1,100.00	\$ 2,000.00	\$ 2,000.00
GENERAL - IRWD CAPITAL - 'O' ST SEG I - MILESTONE 1 - SUBTOTAL (SECTION A)					\$ 4,784.00		\$ 9,100.00		\$ 8,440.00		\$ 18,130.00
B. RECYCLED WATER - IRWD CAPITAL - 'O' ST SEG I - MILESTONE 1											
6.	CONST 6" AWWA C-900 PURPLE PVC, DR14, W/ TRENCH & BEDDING PER IRWD STD NO. W-17	1,511	LF	\$ 22.43	\$ 33,891.73	\$ 27.00	\$ 40,797.00	\$ 30.00	\$ 45,330.00	\$ 65.00	\$ 98,215.00
7.	INSTALL 6" RESILIENT WEDGE GATE VALVE, CL 150, FLG'D W/ VALVE BOX PER IRWD STD. W-22	1	EA	\$ 1,682.97	\$ 1,682.97	\$ 1,650.00	\$ 1,650.00	\$ 1,875.00	\$ 1,875.00	\$ 1,800.00	\$ 1,800.00
8.	INSTALL 4" RESILIENT WEDGE GATE VALVE, CL 150, FLG'D W/ VALVE BOX PER IRWD STD. W-22	1	EA	\$ 1,682.97	\$ 1,682.97	\$ 1,550.00	\$ 1,550.00	\$ 1,625.00	\$ 1,625.00	\$ 1,010.00	\$ 1,010.00
9.	INSTALL 6"x6"x4" D.I. TEE, FLG'D, W/ THRUST BLOCK PER IRWD STD NO. W-16	1	EA	\$ 500.00	\$ 500.00	\$ 440.00	\$ 440.00	\$ 375.00	\$ 375.00	\$ 315.00	\$ 315.00
10.	INSTALL 6" D.I. FE&PO ADAPTER	2	EA	\$ 500.00	\$ 1,000.00	\$ 245.00	\$ 490.00	\$ 105.00	\$ 210.00	\$ 150.00	\$ 300.00
11.	INSTALL 4" DI BLIND FLANGE	1	EA	\$ 500.00	\$ 500.00	\$ 170.00	\$ 170.00	\$ 40.00	\$ 40.00	\$ 125.00	\$ 125.00
12.	INSTALL 2" COPPER SERVICE AND METER BOX PER IRWD STD W-2	2	EA	\$ 2,342.23	\$ 4,684.46	\$ 2,900.00	\$ 5,800.00	\$ 2,575.00	\$ 5,150.00	\$ 1,500.00	\$ 3,000.00
13.	INSTALL 1" AIR RELEASE AND VACUUM RELIEF ASSEMBLY PER IRWD STD NO. W-11	1	EA	\$ 2,891.53	\$ 2,891.53	\$ 2,900.00	\$ 2,900.00	\$ 3,875.00	\$ 3,875.00	\$ 1,800.00	\$ 1,800.00
14.	INSTALL TEMPORARY FLUSH-OUT ASSEMBLY PER IRWD STD W-12	1	EA	\$ 1,862.24	\$ 1,862.24	\$ 2,150.00	\$ 2,150.00	\$ 1,150.00	\$ 1,150.00	\$ 1,500.00	\$ 1,500.00
15.	REMOVE TEMP FLUSH-OUT AND JOIN EXIST	1	EA	\$ 1,800.00	\$ 1,800.00	\$ 4,300.00	\$ 4,300.00	\$ 1,700.00	\$ 1,700.00	\$ 3,500.00	\$ 3,500.00
RECYCLED WATER - IRWD CAPITAL - 'O' ST SEG I - MILESTONE 1 - SUBTOTAL (SECTION B)					\$ 50,495.90		\$ 60,247.00		\$ 61,330.00		\$ 111,565.00
C. DOMESTIC WATER - IRWD CAPITAL - 'O' ST SEG I - MILESTONE 1											
16.	CONST 12" AWWA C-900 PVC, DR14, W/ TRENCH & BEDDING PER IRWD STD NO. W-17	1,527	LF	\$ 44.25	\$ 67,589.75	\$ 55.00	\$ 83,985.00	\$ 50.00	\$ 76,350.00	\$ 105.00	\$ 160,335.00
17.	INSTALL 12" BUTTERFLY VALVE, CL 150B, FLG'D W/ VALVE BOX PER IRWD STD. W-22	1	EA	\$ 2,960.23	\$ 2,960.23	\$ 4,300.00	\$ 4,300.00	\$ 6,500.00	\$ 6,500.00	\$ 5,000.00	\$ 5,000.00
18.	INSTALL 10" BUTTERFLY VALVE, CL 150B, FLG'D W/ VALVE BOX PER IRWD STD. W-22	2	EA	\$ 2,617.16	\$ 5,234.36	\$ 4,300.00	\$ 8,600.00	\$ 3,150.00	\$ 6,300.00	\$ 4,500.00	\$ 9,000.00
19.	INSTALL 12"x12"x10"x10" D.I. CROSS, FLG'D, W/ THRUST BLOCK PER IRWD STD NO. W-16	1	EA	\$ 750.00	\$ 750.00	\$ 1,100.00	\$ 1,100.00	\$ 1,625.00	\$ 1,625.00	\$ 1,800.00	\$ 1,800.00

CONTRACT PRICE SCHEDULE
HERITAGE FIELDS - DISTRICT 1 - JOINT BACKBONE IMPROVEMENTS
 CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA
DISTRICT 1, GROUP 4, UNDERGROUND IMPROVEMENTS - SANITARY SEWER,
RECYCLED WATER AND DOMESTIC WATER
IRWD CAPITAL IMPROVEMENTS

IRWD Code # 5873

Item	Description	Estimated Quantity	Unit	LOW BID - FYDAQ		L&S		LEATHERWOOD		KENNEDY	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
20.	INSTALL 12" D.I. FEXPO ADAPTER	2	EA	\$ 750.00	\$ 1,500.00	\$ 450.00	\$ 900.00	\$ 280.00	\$ 560.00	\$ 275.00	\$ 550.00
21.	INSTALL 10" DI BLIND FLANGE	2	EA	\$ 750.00	\$ 1,500.00	\$ 200.00	\$ 400.00	\$ 150.00	\$ 300.00	\$ 225.00	\$ 450.00
22.	INSTALL 1" AIR RELEASE AND VACUUM RELIEF ASSEMBLY PER IRWD STD NO. W-11	1	EA	\$ 3,055.47	\$ 3,055.47	\$ 5,600.00	\$ 5,600.00	\$ 3,925.00	\$ 3,925.00	\$ 1,800.00	\$ 1,800.00
23.	INSTALL TEMPORARY FLUSH-OUT ASSEMBLY PER IRWD STD W-12	1	EA	\$ 1,842.49	\$ 1,842.49	\$ 2,150.00	\$ 2,150.00	\$ 1,800.00	\$ 1,800.00	\$ 1,500.00	\$ 1,500.00
24.	REMOVE TEMP FLUSH-OUT AND JOIN EXIST	1	EA	\$ 3,600.00	\$ 3,600.00	\$ 2,150.00	\$ 2,150.00	\$ 2,900.00	\$ 2,900.00	\$ 2,500.00	\$ 2,500.00
DOMESTIC WATER - IRWD CAPITAL - 'O' ST SEG I - MILESTONE 1 - SUBTOTAL (SECTION C)					\$ 88,012.30		\$ 109,185.00		\$ 100,260.00		\$ 182,935.00
SUBTOTAL - IRWD CAPITAL - 'O' ST SEG I - MILESTONE 1 PRICE (SECTIONS A-C)					\$ 143,292.20		\$ 178,532.00		\$ 170,030.00		\$ 312,630.00
D. GENERAL - IRWD CAPITAL - 'O' ST SEG I - MILESTONE 2											
25.	MOBILIZATION (NOT TO EXCEED 2% OF CONTRACT PRICE OF SECTIONS D-F)	1	LS	\$ 750.00	\$ 750.00	\$ 4,000.00	\$ 4,000.00	\$ 8,200.00	\$ 8,200.00	\$ 12,000.00	\$ 12,000.00
26.	PAYMENT AND PERFORMANCE BONDS - (SECTIONS D-F)	1	LS	\$ 4,746.00	\$ 4,746.00	\$ 2,500.00	\$ 2,500.00	\$ 5,950.00	\$ 5,950.00	\$ 12,885.00	\$ 12,885.00
27.	SWPPP & BMPS (SECTIONS D-F)	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 1,200.00	\$ 1,200.00	\$ 2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00
28.	DEVELOP CONSTRUCTION WATER (SECTIONS D-F)	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 900.00	\$ 900.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00
29.	TRAFFIC CONTROL & DAILY STREET CLEANING (SECTIONS D-F)	1	LS	\$ -	\$ -	\$ 1,600.00	\$ 1,600.00	\$ 2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00
30.	PROTECT EXISTING HIGH RISK FACILITY (66KV UG/OH, 12KV UG/OH AND AT&T UG/OH)	1	LS	\$ 15,000.00	\$ 15,000.00	\$ 4,000.00	\$ 4,000.00	\$ 5,000.00	\$ 5,000.00	\$ 4,500.00	\$ 4,500.00
GENERAL - IRWD CAPITAL - 'O' ST SEG I - MILESTONE 2 - SUBTOTAL (SECTION D)					\$ 22,496.00		\$ 14,100.00		\$ 25,650.00		\$ 33,895.00
E. RECYCLED WATER - IRWD CAPITAL - 'O' ST SEG I - MILESTONE 2											
31.	CONST 12" AWWA C-900 PURPLE PVC, DR14, W/ TRENCH & BEDDING PER IRWD STD NO. W-17	1,344	LF	\$ 44.91	\$ 60,359.04	\$ 58.00	\$ 77,952.00	\$ 55.00	\$ 73,920.00	\$ 105.00	\$ 141,120.00
32.	CONST 6" AWWA C-900 PURPLE PVC, DR14, W/ TRENCH & BEDDING PER IRWD STD NO. W-17	1,324	LF	\$ 21.48	\$ 28,439.52	\$ 30.00	\$ 39,720.00	\$ 25.00	\$ 33,100.00	\$ 65.00	\$ 86,060.00
33.	INSTALL 12" BUTTERFLY VALVE, CL 150B, FLG'D W/ VALVE BOX PER IRWD STD. W-22	5	EA	\$ 2,960.29	\$ 14,801.45	\$ 3,700.00	\$ 18,500.00	\$ 5,350.00	\$ 26,750.00	\$ 5,000.00	\$ 25,000.00
34.	INSTALL 6" RESILIENT WEDGE GATE VALVE, CL 150, FLG'D W/ VALVE BOX PER IRWD STD. W-22	1	EA	\$ 1,682.97	\$ 1,682.97	\$ 2,200.00	\$ 2,200.00	\$ 1,850.00	\$ 1,850.00	\$ 1,800.00	\$ 1,800.00
35.	INSTALL 4" RESILIENT WEDGE GATE VALVE, CL 150, FLG'D W/ VALVE BOX PER IRWD STD. W-22	3	EA	\$ 1,467.65	\$ 4,402.95	\$ 1,550.00	\$ 4,650.00	\$ 1,550.00	\$ 4,650.00	\$ 1,015.00	\$ 3,045.00
36.	INSTALL 12"x12"x12"x12" D.I. CROSS, FLG'D, W/ THRUST BLOCK PER IRWD STD NO. W-16	1	EA	\$ 750.00	\$ 750.00	\$ 1,250.00	\$ 1,250.00	\$ 1,750.00	\$ 1,750.00	\$ 1,400.00	\$ 1,400.00
37.	INSTALL 12"x12"x4"x4" D.I. CROSS, FLG'D, W/ THRUST BLOCK PER IRWD STD NO. W-16	1	EA	\$ 750.00	\$ 750.00	\$ 1,250.00	\$ 1,250.00	\$ 1,600.00	\$ 1,600.00	\$ 1,600.00	\$ 1,600.00
38.	INSTALL 6"x6"x4" D.I. TEE, FLG'D, W/ THRUST BLOCK PER IRWD STD NO. W-16	1	EA	\$ 500.00	\$ 500.00	\$ 440.00	\$ 440.00	\$ 375.00	\$ 375.00	\$ 450.00	\$ 450.00
39.	INSTALL 12" D.I. BEND, POXPO, W/ THRUST BLOCK PER IRWD STD NO. W-16	4	EA	\$ 750.00	\$ 3,000.00	\$ 900.00	\$ 3,600.00	\$ 425.00	\$ 1,700.00	\$ 750.00	\$ 3,000.00
40.	INSTALL 12"x6" D.I. ECCENTRIC REDUCER, (INVERT FLAT). FEXPO	1	EA	\$ 750.00	\$ 750.00	\$ 850.00	\$ 850.00	\$ 650.00	\$ 650.00	\$ 660.00	\$ 660.00
41.	INSTALL 12" D.I. FEXPO ADAPTER	4	EA	\$ 750.00	\$ 3,000.00	\$ 510.00	\$ 2,040.00	\$ 280.00	\$ 1,120.00	\$ 750.00	\$ 3,000.00
42.	INSTALL 6" D.I. FEXPO ADAPTER	2	EA	\$ 500.00	\$ 1,000.00	\$ 245.00	\$ 490.00	\$ 105.00	\$ 210.00	\$ 285.00	\$ 570.00
43.	INSTALL 12" DI BLIND FLANGE	1	EA	\$ 750.00	\$ 750.00	\$ 450.00	\$ 450.00	\$ 195.00	\$ 195.00	\$ 300.00	\$ 300.00

CONTRACT PRICE SCHEDULE
HERITAGE FIELDS - DISTRICT 1 - JOINT BACKBONE IMPROVEMENTS
CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA
DISTRICT 1, GROUP 4, UNDERGROUND IMPROVEMENTS - SANITARY SEWER,
RECYCLED WATER AND DOMESTIC WATER
IRWD CAPITAL IMPROVEMENTS

		LOW BID - FYDAQ		L&S		LEATHERWOOD		KENNEDY			
Item	Description	Estimated Quantity	Unit	Unit Price		Unit Price		Unit Price			
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
IRWD Code # 5873											
44.	INSTALL 4" DI BLIND FLANGE	3	EA	\$ 500.00	\$ 1,500.00	\$ 220.00	\$ 660.00	\$ 40.00	\$ 120.00	\$ 150.00	\$ 450.00
45.	INSTALL 2" COPPER SERVICE AND METER BOX PER IRWD STD W-2	5	EA	\$ 2,342.23	\$ 11,711.15	\$ 3,800.00	\$ 19,000.00	\$ 2,575.00	\$ 12,875.00	\$ 1,500.00	\$ 7,500.00
46.	INSTALL 4" BLOW-OFF/BOTTOM DRAIN ASSEMBLY PER IRWD STD. W-14	1	EA	\$ 6,425.25	\$ 6,425.25	\$ 5,700.00	\$ 5,700.00	\$ 6,650.00	\$ 6,650.00	\$ 3,500.00	\$ 3,500.00
47.	INSTALL 1" AIR RELEASE AND VACUUM RELIEF ASSEMBLY PER IRWD STD NO. W-11	2	EA	\$ 2,891.53	\$ 5,783.06	\$ 5,600.00	\$ 11,200.00	\$ 4,000.00	\$ 8,000.00	\$ 1,500.00	\$ 3,000.00
48.	INSTALL TEMP FLUSH-OUT PER IRWD STD NO. W-12	1	EA	\$ 1,862.24	\$ 1,862.24	\$ 2,150.00	\$ 2,150.00	\$ 570.00	\$ 570.00	\$ 1,500.00	\$ 1,500.00
49.	REMOVE TEMP FLUSH-OUT AND JOIN EXIST	2	EA	\$ 1,800.00	\$ 3,600.00	\$ 4,300.00	\$ 8,600.00	\$ 2,050.00	\$ 4,100.00	\$ 3,500.00	\$ 7,000.00
RECYCLED WATER - IRWD CAPITAL - 'O' ST SEG 1 - MILESTONE 2 - SUBTOTAL (SECTION E)					\$ 151,067.83		\$ 200,502.00		\$ 180,165.00		\$ 280,955.00
F. DOMESTIC WATER - IRWD CAPITAL - 'O' ST SEG 1 - MILESTONE 2											
50.	CONST 12" AWWA C-900 PVC, DR14, W/ TRENCH & BEDDING PER IRWD STD NO. W-17	2,606	LF	\$ 42.39	\$ 110,468.34	\$ 54.00	\$ 140,724.00	\$ 55.00	\$ 143,330.00	\$ 105.00	\$ 273,630.00
51.	INSTALL 12" BUTTERFLY VALVE, CL 150B, FLG'D W/ VALVE BOX PER IRWD STD. W-22	5	EA	\$ 2,960.23	\$ 14,801.15	\$ 3,500.00	\$ 17,500.00	\$ 5,350.00	\$ 26,750.00	\$ 5,000.00	\$ 25,000.00
52.	INSTALL 10" RESILIENT WEDGE GATE VALVE, CL 150, FLG'D W/ VALVE BOX PER IRWD STD. W-22	8	EA	\$ 2,925.82	\$ 17,554.92	\$ 4,300.00	\$ 25,800.00	\$ 3,700.00	\$ 22,200.00	\$ 3,300.00	\$ 19,900.00
53.	INSTALL 12"x12"x10"x10" D.I. CROSS, FLG'D, W/ THRUST BLOCK PER IRWD STD NO. W-16	3	EA	\$ 750.00	\$ 2,250.00	\$ 2,350.00	\$ 7,050.00	\$ 1,850.00	\$ 5,550.00	\$ 1,500.00	\$ 4,500.00
54.	INSTALL 12" D.I. FEXPO ADAPTER	6	EA	\$ 750.00	\$ 4,500.00	\$ 650.00	\$ 3,900.00	\$ 280.00	\$ 1,680.00	\$ 550.00	\$ 3,300.00
55.	INSTALL 10" DI BLIND FLANGE	6	EA	\$ 750.00	\$ 4,500.00	\$ 400.00	\$ 2,400.00	\$ 145.00	\$ 870.00	\$ 180.00	\$ 1,080.00
56.	INSTALL 1" AIR RELEASE AND VACUUM RELIEF ASSEMBLY PER IRWD STD NO. W-11	1	EA	\$ 3,055.47	\$ 3,055.47	\$ 5,600.00	\$ 5,600.00	\$ 4,400.00	\$ 4,400.00	\$ 1,500.00	\$ 1,500.00
57.	REMOVE TEMP FLUSH-OUT AND JOIN EXIST	1	EA	\$ 3,600.00	\$ 3,600.00	\$ 4,300.00	\$ 4,300.00	\$ 2,900.00	\$ 2,900.00	\$ 3,500.00	\$ 3,500.00
DOMESTIC WATER - IRWD CAPITAL - 'O' ST SEG 1 - MILESTONE 2 - SUBTOTAL (SECTION F)					\$ 160,729.88		\$ 207,274.00		\$ 207,680.00		\$ 332,310.00
SUBTOTAL - IRWD CAPITAL - 'O' ST SEG 1 - MILESTONE 2 PRICE (SECTIONS D-F)					\$ 334,293.51		\$ 421,676.00		\$ 413,495.00		\$ 657,150.00
TOTAL - IRWD CAPITAL - 'O' ST SEG 1 - MILESTONE 1 & 2 PRICE (SECTIONS A-F)					\$ 477,585.71		\$ 600,408.00		\$ 583,525.00		\$ 969,780.00
GRAND TOTAL PRICE - IRWD CAPITAL (SECTIONS I-III)					\$ 477,585.71		\$ 600,408.00		\$ 583,525.00		\$ 969,780.00

EXHIBIT "C"

CONTRACT PRICE SCHEDULE
HERITAGE FIELDS - DISTRICT 1 - JOINT BACKBONE IMPROVEMENTS
CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA
DISTRICT 1, GROUP 4, UNDERGROUND IMPROVEMENTS - SANITARY SEWER,
RECYCLED WATER AND DOMESTIC WATER
IRWD CAPITAL IMPROVEMENTS

IRWD Code# 5988 Bid Spread

Item Description		ENGINEER'S EST - H&A		LOW BID - FYDAQ		L&S		LEATHERWOOD		KENNEDY		
		Estimated Quantity	Unit Price	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	
DISTRICT 1 NORTH, GROUP 4, IRWD CAPITAL FACILITIES												
I IRWD CAPITAL - 'LY' ST SEG III												
Construction Plans for the Irvine Ranch Water District, Planning Area 51, Great Park Neighborhoods, Capital Improvements, 'LY' Street (from 'LO' Street to Irvine Boulevard) 12" Domestic Water Zone 4R (540 HGL); 18", 16" & 12" Sanitary Sewer and 16" Recycled Water Zone C (640 HGL), Capital Project Nos. 11723 (4650), 21723 (4851) & 31723 (4652), Non-Capital Project Nos. 3880 & 3882, IRWD Code 5988												
A GENERAL - IRWD CAPITAL - 'LY' ST SEG III												
1.	MOBILIZATION (NOT TO EXCEED 2% OF CONTRACT PRICE OF SECTIONS A-D)	1 LS	\$ 21,800.00	\$ 21,800.00	\$ 750.00	\$ 750.00	\$ 32,660.00	\$ 32,660.00	\$ 21,800.00	\$ 21,800.00	\$ 38,000.00	\$ 38,000.00
2.	PAYMENT AND PERFORMANCE BONDS - (SECTIONS A-D)	1 LS	\$ 10,900.00	\$ 10,900.00	\$ 11,878.00	\$ 11,878.00	\$ 19,650.00	\$ 19,650.00	\$ 13,950.00	\$ 13,950.00	\$ 39,334.00	\$ 39,334.00
3.	SWPPP & BMPs (SECTIONS A-D)	1 LF	\$ 17,440.00	\$ 17,440.00	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00	\$ 1,500.00	\$ 1,500.00
4.	DEVELOP CONSTRUCTION WATER (SECTIONS A-D)	1 LS	\$ 16,350.00	\$ 16,350.00	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,250.00	\$ 1,250.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00
5.	TRAFFIC CONTROL & DAILY STREET CLEANING (SECTIONS A-D)	1 LS	\$ 16,350.00	\$ 16,350.00	\$ -	\$ -	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00	\$ 1,800.00	\$ 1,800.00
GENERAL - IRWD CAPITAL - 'LY' ST SEG III - SUBTOTAL (SECTION A)			\$	\$ 82,840.00	\$	\$ 14,828.00	\$	\$ 57,310.00	\$	\$ 47,800.00	\$	\$ 82,134.00
B. SANITARY SEWER - IRWD CAPITAL - 'LY' ST SEG III												
6.	CONSTRUCT 18" C-905, DR-18 PVC DEEP (>20 FT DEPTH) WITH BEDDING AND SEWER MARKING TAPE PER IRWD STD S-6	127 LF	\$ 277.00	\$ 35,179.00	\$ 146.08	\$ 18,552.16	\$ 290.00	\$ 36,830.00	\$ 240.00	\$ 30,480.00	\$ 325.00	\$ 41,275.00
7.	CONSTRUCT 18" C-905, DR-18 PVC DEEP (>25 FT DEPTH) WITH BEDDING AND SEWER MARKING TAPE PER IRWD STD S-6	130 LF	\$ 380.00	\$ 49,400.00	\$ 152.08	\$ 19,770.40	\$ 365.00	\$ 47,450.00	\$ 315.00	\$ 40,950.00	\$ 350.00	\$ 45,900.00
8.	CONSTRUCT 16" C-905, DR-16 PVC DEEP (>15 FT DEPTH) WITH BEDDING AND SEWER MARKING TAPE PER IRWD STD S-6	718 LF	\$ 105.00	\$ 75,390.00	\$ 135.18	\$ 97,059.24	\$ 180.00	\$ 129,240.00	\$ 105.00	\$ 75,390.00	\$ 299.00	\$ 214,682.00
9.	CONSTRUCT 16" C-905, DR-18 PVC DEEP (>20 FT DEPTH) WITH BEDDING AND SEWER MARKING TAPE PER IRWD STD S-6	1,956 LF	\$ 135.00	\$ 264,060.00	\$ 138.18	\$ 270,280.08	\$ 280.00	\$ 547,680.00	\$ 115.00	\$ 224,940.00	\$ 345.00	\$ 674,820.00
10.	CONSTRUCT 18" C-905, DR-18 PVC DEEP (>25 FT DEPTH) WITH BEDDING AND SEWER MARKING TAPE PER IRWD STD S-6	39 LF	\$ 224.00	\$ 8,736.00	\$ 141.18	\$ 5,506.02	\$ 520.00	\$ 20,280.00	\$ 325.00	\$ 12,675.00	\$ 350.00	\$ 13,650.00
11.	CONSTRUCT 12" C-905, DR-14 PVC DEEP (>20 FT DEPTH) WITH BEDDING AND SEWER MARKING TAPE PER IRWD STD S-6	93 LF	\$ 150.00	\$ 13,950.00	\$ 134.32	\$ 12,491.78	\$ 225.00	\$ 20,925.00	\$ 135.00	\$ 12,555.00	\$ 275.00	\$ 25,575.00
12.	CONSTRUCT 12" C-905, DR-14 PVC DEEP (>25 FT DEPTH) WITH BEDDING AND SEWER MARKING TAPE PER IRWD STD S-6	227 LF	\$ 178.00	\$ 40,633.00	\$ 137.32	\$ 31,171.64	\$ 250.00	\$ 56,750.00	\$ 180.00	\$ 36,320.00	\$ 280.00	\$ 63,560.00
13.	CONSTRUCT 72" MANHOLE PER IRWD STD S-1 W/ MODIFIED BASE PER DETAIL ON PLAN	7 EA	\$ 12,490.00	\$ 87,430.00	\$ 12,624.24	\$ 88,369.68	\$ 14,000.00	\$ 98,000.00	\$ 12,500.00	\$ 87,500.00	\$ 15,000.00	\$ 105,000.00
14.	CONSTRUCT 60" MANHOLE PER IRWD STD S-1	3 EA	\$ 8,580.00	\$ 25,740.00	\$ 6,788.92	\$ 26,366.76	\$ 9,000.00	\$ 27,000.00	\$ 7,850.00	\$ 23,550.00	\$ 9,000.00	\$ 27,000.00
15.	CONSTRUCT 60" MANHOLE PER IRWD STD S-1 W/ MODIFIED BASE PER DETAIL ON PLAN	3 EA	\$ 9,500.00	\$ 28,500.00	\$ 11,288.92	\$ 33,866.76	\$ 10,000.00	\$ 30,000.00	\$ 9,200.00	\$ 27,600.00	\$ 10,000.00	\$ 30,000.00
16.	INSTALL 30" STEEL CASING PER IRWD STD S-7	212 LF	\$ 240.00	\$ 50,880.00	\$ 287.10	\$ 60,866.20	\$ 400.00	\$ 84,800.00	\$ 200.00	\$ 42,400.00	\$ 290.00	\$ 53,000.00
17.	INSTALL CASING TEST STATION PER IRWD STD CP-3	2 EA	\$ 1,240.00	\$ 2,480.00	\$ 500.00	\$ 1,000.00	\$ 3,000.00	\$ 6,000.00	\$ 1,500.00	\$ 3,000.00	\$ 1,500.00	\$ 3,000.00
18.	INSTALL 6" PVC, SDR 35, SEWER LATERAL PER IRWD STD S-5	34 LF	\$ 28.00	\$ 952.00	\$ 127.25	\$ 4,326.50	\$ 45.00	\$ 1,530.00	\$ 165.00	\$ 5,610.00	\$ 75.00	\$ 2,550.00
19.	INSTALL 6" TERMINAL CLEANOUT PER IRWD STD DWG S-5	2 EA	\$ 1,028.00	\$ 2,056.00	\$ 1,185.75	\$ 2,371.50	\$ 1,290.00	\$ 2,580.00	\$ 1,475.00	\$ 2,950.00	\$ 950.00	\$ 1,900.00
20.	INSTALL TEMP 6" TERMINAL CLEANOUT PER IRWD STD DWG S-5	2 EA	\$ 650.00	\$ 1,300.00	\$ 1,185.75	\$ 2,371.50	\$ 890.00	\$ 1,780.00	\$ 1,475.00	\$ 2,950.00	\$ 950.00	\$ 1,900.00
21.	REMOVE TEMP TERMINAL CLEANOUT AND JOIN EXISTING	1 EA	\$ 482.00	\$ 482.00	\$ 2,500.00	\$ 2,500.00	\$ 12,000.00	\$ 12,000.00	\$ 1,450.00	\$ 1,450.00	\$ 3,500.00	\$ 3,500.00
SANITARY SEWER - IRWD CAPITAL - 'LY' ST SEG III - SUBTOTAL (SECTION B)			\$	\$ 687,148.00	\$	\$ 676,869.28	\$	\$ 1,122,765.00	\$	\$ 630,320.00	\$	\$ 1,905,912.00
C. RECYCLED WATER - IRWD CAPITAL - 'LY' ST SEG III												
22.	CONST 16" AWWA C-905 PURPLE PVC, DR18, W/ TRENCH & BEDDING PER IRWD STD NO. W-17	3,828 LF	\$ 79.00	\$ 278,712.00	\$ 57.27	\$ 202,048.56	\$ 75.00	\$ 264,600.00	\$ 85.00	\$ 299,320.00	\$ 105.00	\$ 370,440.00
23.	CONST 12" AWWA C-900 PURPLE PVC, DR14, W/ TRENCH & BEDDING PER IRWD STD NO. W-17	305 LF	\$ 51.00	\$ 15,555.00	\$ 36.88	\$ 11,242.30	\$ 85.00	\$ 19,825.00	\$ 45.00	\$ 13,725.00	\$ 95.00	\$ 29,975.00
24.	CONST 6" AWWA C-900 PURPLE PVC, DR14, W/ TRENCH & BEDDING PER IRWD STD NO. W-17	117 LF	\$ 32.00	\$ 3,744.00	\$ 23.75	\$ 2,778.75	\$ 35.00	\$ 4,095.00	\$ 50.00	\$ 5,850.00	\$ 65.00	\$ 7,605.00
25.	INSTALL 16" BUTTERFLY VALVE, CL 1508, FLGD W/ VALVE BOX PER IRWD STD. W-22	6 EA	\$ 5,540.00	\$ 33,240.00	\$ 4,255.83	\$ 25,534.98	\$ 5,500.00	\$ 33,000.00	\$ 6,500.00	\$ 39,000.00	\$ 8,500.00	\$ 51,000.00
26.	INSTALL 12" BUTTERFLY VALVE, CL 1508, FLGD W/ VALVE BOX PER IRWD STD. W-22	1 EA	\$ 2,573.00	\$ 2,573.00	\$ 2,960.29	\$ 2,960.29	\$ 4,000.00	\$ 4,000.00	\$ 4,150.00	\$ 4,150.00	\$ 5,000.00	\$ 5,000.00
27.	INSTALL 6" BUTTERFLY VALVE, CL 1508, FLGD W/ VALVE BOX PER IRWD STD. W-22	5 EA	\$ 1,800.00	\$ 9,000.00	\$ 1,869.61	\$ 9,318.05	\$ 2,200.00	\$ 11,000.00	\$ 1,100.00	\$ 5,500.00	\$ 3,500.00	\$ 17,500.00
28.	INSTALL 16"X16"X6" D.I. CROSS, FLGD, W/ THRUST BLOCK PER IRWD STD NO. W-16	2 EA	\$ 640.00	\$ 1,280.00	\$ 1,000.00	\$ 2,000.00	\$ 2,450.00	\$ 4,900.00	\$ 2,275.00	\$ 4,550.00	\$ 3,500.00	\$ 7,000.00
29.	INSTALL 16"X16"X12" D.I. TEE, FLGD, W/ THRUST BLOCK PER IRWD STD NO. W-16	1 EA	\$ 480.00	\$ 480.00	\$ 1,000.00	\$ 1,000.00	\$ 1,480.00	\$ 1,480.00	\$ 1,650.00	\$ 1,650.00	\$ 2,500.00	\$ 2,500.00

CONTRACT PRICE SCHEDULE

HERITAGE FIELDS - DISTRICT 1 - JOINT BACKBONE IMPROVEMENTS
CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA
DISTRICT 1, GROUP 4, UNDERGROUND IMPROVEMENTS
RECYCLED WATER
IRWD CAPITAL IMPROVEMENTS


IRWD Code# 5989 Bid Spread

Item	Description	Estimated		ENGINEER'S EST - H&A		LOW BID - FYDAQ		L&S		LEATHERWOOD		KENNEDY	
		Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
DISTRICT 1 NORTH, GROUP 4, IRWD CAPITAL FACILITIES													
I. IRWD CAPITAL - 'LY' ST SEG II													
Construction Plans for the Irvine Ranch Water District Planning Area 51, Great Park Neighborhoods Capital Improvements, 'LY' Street (from Trabuco Road to 'LQ' Street), 18" Recycled Water Zone C (640 HGL) - Capital Project No. 30427 (4647), IRWD Code 5989													
A. GENERAL - IRWD CAPITAL - 'LY' ST SEG II													
MOBILIZATION (NOT TO EXCEED 2% OF CONTRACT PRICE OF SECTIONS A-B)													
1.	SECTIONS A-B)	1	LS	\$ 1,500.00	\$ 1,500.00	\$ 750.00	\$ 750.00	\$ 1,550.00	\$ 1,550.00	\$ 1,500.00	\$ 1,500.00	\$ 2,080.00	\$ 2,080.00
2.	PAYMENT AND PERFORMANCE BONDS - (SECTIONS A-B)	1	LS	\$ 750.00	\$ 750.00	\$ 1,049.20	\$ 1,049.20	\$ 960.00	\$ 960.00	\$ 1,190.00	\$ 1,190.00	\$ 2,129.00	\$ 2,129.00
3.	SWPPP & BMPS (SECTIONS A-B)	1	LS	\$ 1,200.00	\$ 1,200.00	\$ 1,000.00	\$ 1,000.00	\$ 1,200.00	\$ 1,200.00	\$ 750.00	\$ 750.00	\$ 1,500.00	\$ 1,500.00
4.	DEVELOP CONSTRUCTION WATER (SECTIONS A-B)	1	LS	\$ 1,125.00	\$ 1,125.00	\$ 1,000.00	\$ 1,000.00	\$ 800.00	\$ 800.00	\$ 200.00	\$ 200.00	\$ 1,500.00	\$ 1,500.00
5.	TRAFFIC CONTROL & DAILY STREET CLEANING (SECTIONS A-B)	1	LS	\$ 1,125.00	\$ 1,125.00	\$ -	\$ -	\$ 1,600.00	\$ 1,600.00	\$ 750.00	\$ 750.00	\$ 1,500.00	\$ 1,500.00
6.	WELL PROTECTION (K-RAIL AND SECURITY FENCING)	1	EA	\$ 1,000.00	\$ 1,000.00	\$ 5,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00	\$ 3,250.00	\$ 3,250.00	\$ 1,800.00	\$ 1,800.00
GENERAL - IRWD CAPITAL - 'LY' ST SEG II - SUBTOTAL (SECTION A)				\$ 6,700.00		\$ 8,798.20		\$ 10,110.00		\$ 7,640.00		\$ 10,589.00	
B. RECYCLED WATER - IRWD CAPITAL - 'LY' ST SEG II													
CONST 18" AWWA C-905 PURPLE PVC, OR18, W/ TRENCH & BEDDING PER IRWD STD NO. W-17													
8.	INSTALL 16"x8" D.I. ECCENTRIC REDUCER, FEXFE, W/ THRUST BLOCK PER IRWD STD NO. W-16	896	LF	\$ 78.00	\$ 70,784.00	\$ 82.98	\$ 56,430.08	\$ 75.00	\$ 67,200.00	\$ 70.00	\$ 62,720.00	\$ 105.00	\$ 94,080.00
	INSTALL 8"x4" D.I. REDUCING BEND, FEXFE, W/ THRUST BLOCK PER IRWD STD NO. W-16	1	EA	\$ 1,355.00	\$ 1,355.00	\$ 1,000.00	\$ 1,000.00	\$ 1,100.00	\$ 1,100.00	\$ 1,350.00	\$ 1,350.00	\$ 550.00	\$ 550.00
9.	PER IRWD STD NO. W-16	1	EA	\$ 250.00	\$ 250.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 400.00	\$ 400.00	\$ 450.00	\$ 450.00
10.	INSTALL 16" D.I. FEXPO ADAPTER	1	EA	\$ 240.00	\$ 240.00	\$ 1,000.00	\$ 1,000.00	\$ 980.00	\$ 980.00	\$ 1,200.00	\$ 1,200.00	\$ 500.00	\$ 500.00
11.	INSTALL 4" FLUSH-OUT ASSEMBLY PER IRWD STD. W-13	1	EA	\$ 2,170.00	\$ 2,170.00	\$ 4,318.74	\$ 4,318.74	\$ 5,700.00	\$ 5,700.00	\$ 7,800.00	\$ 7,800.00	\$ 1,500.00	\$ 1,500.00
12.	INSTALL TEMPORARY FLUSH-OUT ASSEMBLY PER IRWD STD. W-12	1	EA	\$ 1,500.00	\$ 1,500.00	\$ 1,862.24	\$ 1,862.24	\$ 2,150.00	\$ 2,150.00	\$ 1,300.00	\$ 1,300.00	\$ 1,000.00	\$ 1,000.00
RECYCLED WATER - IRWD CAPITAL - 'LY' ST SEG II - SUBTOTAL (SECTION B)				\$ 76,299.00		\$ 65,111.06		\$ 77,630.00		\$ 74,770.00		\$ 98,080.00	
TOTAL - IRWD CAPITAL - 'LY' ST SEG II PRICE (SECTIONS A-B)				\$ 82,999.00		\$ 73,910.26		\$ 87,740.00		\$ 82,410.00		\$ 108,589.00	

October 27, 2014

Prepared by: R. Lee

Submitted by: P. Sheilds

Approved by: Paul Cook 

CONSENT CALENDAR

FATS, OILS, AND GREASE PROGRAM SERVICES CONTRACT AWARD WITH ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.

SUMMARY:

IRWD has utilized contract services to administer the District's Fats, Oils, and Grease (FOG) program. The contract with the District's current consultant performing these services, Environmental Engineering and Contracting, Inc. (EEC), is set to expire on October 31, 2014, so staff solicited proposals from six firms to provide FOG support services to IRWD. Staff recommends that the Board authorize the General Manager to execute a contract with EEC for FOG Program Administrative Support Services in the amount of \$176,760 for the period of November 1, 2014 to October 31, 2015.

BACKGROUND:

When the District initiated its FOG program in 2004, EEC was retained to develop a FOG Characterization Study. The scope of work for this study included inspection of food service establishments (FSEs), development of hot spot maps, FOG source characterizations, and design of a database management system for the FOG program. The District's FOG program has expanded over the last 10 years, and it currently has over 1,200 FSEs in the system. EEC's tasks have also evolved to include overall program management, routine FSE inspections, and enforcement support.

Consultant Selection Process:

Staff prepared a Request for Proposal, which was sent to six suppliers on September 29, 2014. Staff received three proposals from the following firms: Charles Abbott Associates, Inc., CWE, and EEC. EEC has provided FOG program management services to over 30 cities and sewer districts and is nationally recognized as FOG control expert. EEC has conducted 15 FOG characterization studies and the largest FOG control study in the Orange County. When staff analyzed the proposals from the other two firms (Abbott and CWE), it was determined that they did not meet the minimum experience requirements and have not managed similar size FOG programs as outlined in the RFP. Therefore, staff recommends that EEC continue to provide FOG program support services to the District. A copy of the rate sheet from EEC's proposal is attached as Exhibit "A".

FISCAL IMPACTS:

FOG Program Services funds in the amount of \$200,000 are included in the approved FY 2014-15 operating budget.

ENVIRONMENTAL COMPLIANCE:

Services provided by EEC will be in compliance with the District's FOG Control Program Manual and Grease Control Rules and Regulations, which is part of the District's Sewer System Management Plan (SSMP), and consistent with the State Water Resources Control Board Statewide General Waste Discharge Requirements for Sanitary Sewer Systems, Order Number 2006-0003.

COMMITTEE STATUS:

This item was reviewed and approved by the Engineering and Operations Committee on October 21, 2014. I

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH ENVIRONMENTAL ENGINEERING AND CONTRACTING, INCORPORATED OF \$176,760 FOR THE PERIOD OF NOVEMBER 1, 2014 TO OCTOBER 31, 2015.

LIST OF EXHIBITS:

Exhibit "A" – EEC Proposal Rate Sheet

EXHIBIT "A"

**Request for Proposal (RFP #cp100114)
Fats, Oils, and Grease (FOG) Program Services
Attachment "A"**

Fee Schedule

The charge for all time required for the performance of the Scope of Work, including administrative, office, field, and travel time will be billed at the hourly rate according to the labor tasks set forth below:

Administrative Services	Hourly Rate	<u>\$ 150</u>
FOG Program - Analytical Services	Hourly Rate	<u>\$ 180</u>
FOG Program - Plan Check Review	Hourly Rate	<u>\$ 150</u>
FSE Field Inspections	Hourly Rate	<u>\$ 105</u>
FSE Compliance Inspections	Hourly Rate	<u>\$ 115</u>
GIS/Information Technology	Hourly Rate	<u>\$ 135</u>
Emergency Response – Business hrs.	Hourly Rate	<u>\$ 125</u>
Emergency Response – Non-Business hrs.	Hourly Rate	<u>\$ 200</u>

Table 3-1, Projected Costs for Year 1

Labor Task	Projected Year 1 Hours	Hourly Rate	Projected Year 1 Cost
Administrative Services <ul style="list-style-type: none"> IRWD customer call support and coordination FSE inspection planning and coordination 	90	\$150	\$13,500
FOG Program – Analytical Services <ul style="list-style-type: none"> Program development and management support Enforcement recommendations and support Special project coordination and planning support Program status updates/meetings 	90	\$180	\$16,200
FOG Program – Plan Check Review <ul style="list-style-type: none"> New FSE plan review support Plan processing and comment letter support 	70	\$150	\$10,500
Field Inspections <ul style="list-style-type: none"> New FSE Initial Inspections Best Management Practice (BMP) inspections Grease Removal Equipment (GRE) inspections Inspection data processing 	840	\$105	\$88,200
Compliance Inspections <ul style="list-style-type: none"> Non-compliance follow-up inspections Non-compliance coordination and data processing 	240	\$115	\$27,600
GIS/Information Technology <ul style="list-style-type: none"> Mapping support Data/database management support Status report support 	96	\$135	\$12,960
Emergency Response – Business hours <ul style="list-style-type: none"> Private/Public SSO follow-up 	24	\$125	\$3,000
Emergency Response – Non-business hours <ul style="list-style-type: none"> Private/Public SSO follow-up 	24	\$200	\$4,800
Projected Total (11/1/2014 through 10/31/2015)			\$176,760

3.9 Project Schedule

Following is a general schedule of tasks and milestones based on the scope of work. During the project kick-off meeting, the schedule will be reviewed with the District's staff and revised as necessary. Additionally, the schedule will be routinely updated as needed as new tasks are identified and assigned to EEC.

05
October 27, 2014
Prepared by: S. Malloy
Submitted by: K. Burton *(KB)*
Approved by: Paul Cook *(PC)*

ACTION CALENDAR

MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY RECOVERY FACILITIES CONSULTANT VARIANCES

SUMMARY:

Filanc/Balfour-Beatty (FBB) is constructing the MWRP Biosolids and Energy Recovery Facilities (Biosolids). Staff has identified a need for additional air permitting engineering services to support the Biosolids project. Additionally, the approval of variances is required because of a change of consultant personnel on the IRWD construction management team. Staff recommends that the Board:

- Authorize the General Manager to execute Variance No. 7 in the amount of \$21,000 with ENVIRON International Corp. for additional air permit application preparation;
- Authorize the General Manager to execute Variance No. 1 in the credit amount of <\$890,000> with HDR Engineering, Inc. to reduce construction management staff; and
- Authorize the General Manager to execute Variance No. 3 in the amount of \$899,000 with Black & Veatch for replacement construction management staff for the MWRP Biosolids and Energy Recovery Facilities project.

BACKGROUND:

Construction of the Biosolids project was awarded to FBB in March 2013 in the amount of \$163,513,307. The Biosolids project will provide biosolids digestion, dewatering, energy production, and on-site sludge drying. The project includes excavation for subsurface structures; installation of 3,009 foundation piles; three egg-shaped digesters; a state-of-the-art odor control system; a biogas conditioning system and power generation using micro-turbines; a fats, oil and grease receiving station; and new utility services. These facilities are being constructed on the land north of IRWD's existing Operations Center, maintenance shops, water quality laboratory, and warehouse.

Variance No. 7 with ENVIRON:

ENVIRON is assisting staff in the acquisition of the Biosolids permits from the South Coast Air Quality Management District (SCAQMD). The most recent request received from SCAQMD is for additional information related to Volatile Organic Compound (VOC) emissions. IRWD needs to prepare and submit a Compliance Assurance Monitoring (CAM) Plan since the sludge dryer will be a large source of VOC emissions. The CAM Plan will provide reasonable assurance of compliance with applicable requirements of the Clean Air Act. Monitoring is conducted to determine that control measures are properly operated and maintained so that they work accordingly.

ENVIRON will provide assistance to staff by preparing emission calculations, writing the CAM Plan, communicating with and responding to SCAQMD questions, and reviewing the draft Title V air permit. ENVIRON has budgeted 115 hours and \$21,000 for the work included in Variance No. 7. Because of the protracted nature of working with SCAQMD to secure the Biosolids air permit, ENVIRON Variance No. 7 requires Board approval because the cumulative total of variances is greater than \$100,000. Variance No. 7 is attached as Exhibit "A".

Variance No. 1 with HDR and Variance No. 3 with Black & Veatch:

HDR has been providing a full time on-site civil/mechanical engineer as a key member of IRWD's construction management team since the start of the Biosolids construction in April 2013. HDR, with IRWD's concurrence, has re-assigned their engineer to other projects and as a result, this staff member needs to be replaced. HDR will continue to provide a construction inspector for the duration of the Biosolids project.

Staff requested Black & Veatch provide a field civil/mechanical engineer to fill the vacancy. By having Black & Veatch fill the vacancy, the field engineer has access more readily to Black & Veatch office staff and project information. The proposed engineer is accomplished and has worked on previous projects similar to the biosolids project, such as the Biosolids Heat Dryer Phase V Expansion for the Encina Wastewater Authority.

Variance No.1 with HDR in the credit amount of <\$890,000> is for the reduction of the field civil/mechanical engineer and is attached as Exhibit "B". Variance No. 3 with Black & Veatch in the amount of \$899,000 is for providing the field civil/mechanical engineer through December 31, 2016, and is attached as Exhibit "C".

FISCAL IMPACTS:

The MWRP Biosolids and Energy Recovery Facilities project 21146 (4286) is included in the FY 2014-15 Capital Budget. The existing budget is sufficient to fund the variances.

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 21, 2014.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 7 IN THE AMOUNT OF \$21,000 WITH ENVIRON INTERNATIONAL CORP. FOR ADDITIONAL AIR PERMIT APPLICATION PREPARATION; AUTHORIZE THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 1 IN THE CREDIT AMOUNT OF <\$890,000> WITH HDR ENGINEERING, INC. TO REDUCE CONSTRUCTION MANAGEMENT STAFF; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE VARIANCE NO. 3 IN THE AMOUNT OF \$899,000 WITH BLACK & VEATCH FOR REPLACEMENT CONSTRUCTION MANAGEMENT STAFF FOR THE MICHELSON WATER RECYCLING PLANT BIOSOLIDS AND ENERGY RECOVERY FACILITIES, PROJECT 21146 (4286).

LIST OF EXHIBITS:

Exhibit "A" – Variance No. 7 with ENVIRON International Corp.
Exhibit "B" – Variance No. 1 with HDR Engineering, Inc.
Exhibit "C" – Variance No. 3 with Black & Veatch

EXHIBIT "A"

IRVINE RANCH WATER DISTRICT PROFESSIONAL SERVICES VARIANCE

Project Title: MWRP Biosolids Handling & Energy Recovery Facility

Project No.: 21146 (4286) Date: September 22, 2014
 Purchase Order No.: 503147 Variance No.: #7

Originator: IRWD ENGINEER/CONSULTANT Other (Explain) _____

Description of Variance (*attach any back-up material*):
See attached scope of work

Engineering & Management Cost Impact:

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
Principal	25	\$250	\$6,250	\$330		\$6,580
Manager 9	39	\$195	\$7,605	\$245		\$7,850
Senior Associate 6B	39	\$145	\$5,655	\$155		\$5,810
Support	12	\$60	\$720	\$40		\$760
Total \$ =						\$21,000

Schedule Impact:

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
1	Emission Calculations	March 2011	As needed	As needed
2	Preparation of Permit Applications	March 2011	As needed	As needed
3	Communication with SCAQMD	April 2011	As needed	No change requested in this Variance
4	Conference calls/meetings	As needed	As needed	
5	CEQA air quality assistance	As needed	As needed	
6	Facility PTE	---	January, 2012	

Required Approval Determination:

Total Original Contract	<u>\$19,000</u>	[] Director: Cumulative total of Variances less than or equal to \$50,000.
Previous Variances	<u>\$161,600</u>	
This Variance	<u>\$21,000</u>	[] Executive Director: Cumulative total of Variances less than or equal to \$75,000.
Total Sum of Variances	<u>\$182,600</u>	
New Contract Amount	<u>\$201,600</u>	[] General Manager: Cumulative total of Variances less than or equal to \$100,000.
Percentage of Total Variances to Original Contract	<u>961</u> %	
		[X] Board: Cumulative total of Variances greater than \$100,000.

ENGINEER/CONSULTANT: ENVIRON International Corporation IRVINE RANCH WATER DISTRICT
 Company Name

Julia C. Zentes Project Engineer/Manager Date 09/22/2014
 Engineer's/Consultant's Management Date

SM Kevin J. Beck Department Director Date 10/9/14
 General Manager/Comm./Board Date

IRVINE RANCH WATER DISTRICT

PROFESSIONAL SERVICES VARIANCE REGISTER

Project Title: <u>MWRP Biosolids Handling & Energy Recovery Facility</u>				
Project No.: <u>20759/20847</u> Project Manager: <u>Carl Spangenberg</u>				
Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
1	Revision/addition of tasks related to project changes	10/29/10	11/10/10	\$26,500
2	Revision/addition of tasks related to project changes	10/11/11	10/21/11	\$16,100
3	Revision/addition of tasks related to project changes	12/23/11	1/24/12	\$30,000
4	Revision/addition of tasks related to project changes	08/14/2012	8/28/12	\$24,000
5	Assessment of Peak Day emissions for CEQA	01/24/2013	03/26/13	\$25,000
6	Additional comments from SCAQMD/Title V application	02/04/2014	2/11/14	\$40,000
7	Additional comments/CAM Plans	09/18/14		\$21,000



September 22, 2014

Via Electronic Mail

Mr. Steve Malloy
Principal Engineer
Capital Projects
Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, CA 92618

**Re: Additional Scope of Work and Cost Estimate (Variance #6)
Irvine Ranch Water District (IRWD)
MWRP Biosolids Project Air Permitting –CEQA Support**

Dear Mr. Malloy:

ENVIRON International Corporation (ENVIRON) has prepared this authorization request for additional work not anticipated in the original February 19, 2010 scope of work and the subsequent Variances #1, #2, #3, #4, #5, and #6 approved November 4, 2010, October 14, 2011, January 24, 2012, August 28, 2012, and March 26, 2013, and February 11, 2014 respectively.

Revised Scope of Work

This section presents the revised scope of work, including the original February 19, 2010 Scope (authorized by the April 29, 2010 Notice to Proceed PR 20759), Variance #1 authorized on November 4, 2010, Variance #2 authorized on October 14, 2011, Variance #3 authorized on January 24, 2012, Variance #4 authorized on August 28, 2012, Variance #5 authorized on March 26, 2013, and Variance #6 authorized on February 11, 2014. In addition, this scope of work includes additional air quality assistance tasks needed to finalize the SCAQMD permit as well as scope to prepare the anticipated initial Title V permit application which was not included in the previous scope of work and variances.

Task 1. Emission Calculations

The original scope and Variances #1 - 6 included the following tasks:

- Refine the emission calculations prepared based on the HDR design.
- Provide additional updates to the emission calculations based on minor changes to the proposed process.
- Perform a health risk assessment of the toxic air contaminants that may include air dispersion modeling dispersion using SCREEN3 for equipment included in original project description.
- Conduct specific calculations to confirm regulatory compliance for all applicable regulations.
- Reassess and calculate emissions based on the B&V design.
- Updated emission calculations and application to reflect changes in operating scenarios.
- Conducted additional SCREEN3 modeling.

Based on information received from Andritz on September 17, 2014, ENVIRON proposes under Variance #7 to rerun the emission calculations using the revised emission factors to ensure the maximum expected emissions provided to the SCAQMD are still the worst-case anticipated emissions.

Task 2. Preparation of the Permit Application

Under the original February 2010 scope of work, ENVIRON included the following:

"The permit application includes preparation of a process description including a description of each emission point and the history of the current operations at the facility. The write-up will also include a summary of ENVIRON's regulatory review of local, state, and federal regulations as they apply to the proposed project. In addition ENVIRON will prepare a description of how the emissions were calculated, complete the applicable SCAQMD forms and calculate the application fees. The application will be prepared according to the requirements for Certified Permitting Professionals (CPP) which should help to expedite the SCAQMD's review of the permit application."

Due to changes in the operating scenarios and the equipment list provided in the original application, the previous variances included additional time for revising the draft application to incorporate the proposed changes. In addition, Variance #4 included effort to assess whether the change in the emergency generator rating will affect the conclusions made in the final application. In addition, ENVIRON provided updated forms and details for the SCAQMD for the change in the generator rating. Variance #6 included assistance with preparation of the Compliance Assurance Monitoring (CAM) Plans for the initial Title V permit application for the IRWD facility now that the facility anticipates not being able to operate within the limitations to stay below the Major Source thresholds. Under Variance #7, ENVIRON proposes to provide additional assistance for finalizing the CAM Plans requested by the SCAQMD.

Task 3. Communication with SCAQMD

Under the original February 2010 scope of work, ENVIRON included the following:

"After the permit application is submitted to the SCAQMD, ENVIRON will assist the SCAQMD permit engineer regarding any follow-up questions that may arise. This will help to expedite the permit application and help IRWD obtain appropriate permit conditions."

With Variance #1, an increase in scope was included to cover one in-person meeting at the SCAQMD (an application submittal meeting). Variances #2-4 were approved to incorporate additional SCAQMD meeting preparation work and conference calls with SCAQMD after the application is submitted to address comments or questions. Variance #5 was approved for additional assistance in addressing comments and questions received by the SCAQMD related to finalizing the permits.

The SCAQMD is continuing its review of the applications and has submitted additional data requests to IRWD. IRWD has requested ENVIRON's assistance in gathering data requested from the design team, Black & Veatch, and preparing the response to SCAQMD's comments in coordination. In addition, ENVIRON prepared for and participated in an additional meeting with IRWD and the SCAQMD on August 16, 2013. ENVIRON has included additional budget in this scope of work to assist with potential additional comments or questions from the SCAQMD during the permit application review process. ENVIRON also proposes to review the draft permit and provide comments on issues or suggested edits to IRWD for submittal to the SCAQMD to finalize the permits. ENVIRON proposes under Variance #7 an additional initial budget to assist with potential questions

and to review the draft permit when issued by the SCAQMD. If additional revisions or research is needed to address questions posed by the SCAQMD than is accounted for in Variance #7, ENVIRON will provide an updated scope of work and cost estimate.

Task 4. Conference Calls, Project Management, and Miscellaneous Tasks

Under the original February 2010 scope of work, ENVIRON included the following:

"This task will cover the costs of conference calls and meetings that ENVIRON may have with HDR and IRWD regarding the permit application. In addition, the task will cover general project management costs and minor miscellaneous tasks that may arise outside of the scope of tasks 1 through 3."

In order to accommodate the new project design and requested assistance, ENVIRON included in Variance #1 additional budget for the August 4, 2010 kick-off meeting with B&V and three additional conference calls to discuss the B&V design and related air emissions. Variance #2 included four additional 1-hour conference calls to finalize the application and address post-submittal comments and questions from the SCAQMD. For purposes of addressing peak day emission calculations requested under Task 5, additional conference calls were required. For this purpose, Variance #5 included additional hours and budget to account for this request as well as additional general project management costs and minor miscellaneous tasks that may arise outside of the scope of other tasks in this scope of work. Due to the continued questions from the SCAQMD on the permit application, ENVIRON proposes additional budget under Task 4 in Variance #7 to allow for additional conference calls and miscellaneous task requirements. For Variance #7, ENVIRON has assumed 20 additional hours of labor.

Task 5. California Environmental Quality Act (CEQA) Air Quality Assistance

At the request of IRWD, ENVIRON will also coordinate with IRWD's subcontractor tasked with preparing the CEQA analysis document in order to provide assistance with the required air quality analysis. Work under this task will be conducted with prior approval of IRWD on an as-needed basis. Costing includes 4 conference calls and a review and general comment of the draft air quality impact section of the draft EIR. Since approval of the original scope and Variances #1-4, ENVIRON was also requested to provide peak day emission calculations for inclusion in the CEQA analysis. In addition, additional emission reduction or offset options were explored for purposes of reducing the significance impact of the project under CEQA. Work under this task was conducted based on prior approval by IRWD and was completed on October 11, 2012. Costs include about \$6,800 for work required to assist in completing air quality related analysis as part of the CEQA process. Variance #5 included additional budget to account for the peak day emission calculations and offset research. No changes in Task 5 are being requested under Variance #7.

Task 6. Existing Facility Potential to Emit

At the request of IRWD, Variance #2 included calculation of the existing facility's PTE for purposes of assessing the facility's Title V major source status with operation of the proposed biosolids project. This task assumed that IRWD will provide details on the existing equipment and previous emission factors and/or methodologies used for estimating emissions for the facility. Additional time was need to track down additional emission factors not provided by IRWD as assumed under Variance #2, as well as to verify/correct information used in previous Annual Emission Reports or applications for purposes of calculating the facility-wide PTE. In addition, ENVIRON updated the PTE calculations based on revised information gathered by IRWD. Under Variance #3, ENVIRON requested additional budget to encompass this expanded scope to finalize the existing facility-wide PTE. No further

change in Task 6 is requested under this revised scope of work as updates to the existing facility-wide PTE will be conducted by Black & Veatch.

Schedule

The final permit application was submitted in May, 2012. Tasks under this revised scope of work will be conducted on an as-needed basis.

Cost Estimate

The estimated total cost for the additional scope of task items under Variance #7 is \$21,000, for a total budget of \$201,600. The cost estimate does not include the SCAQMD permitting fees. Costs are based on a time-and-materials basis using our current rates and the terms and conditions approved under the April Notice to Proceed PR 20759. The costs are split out by task in the table below for informational purposes only.

Original Task Number/Description	Original Scope/Variations #1-#6 Cost	Additional Scope Cost (Variance #7)	Total Cost
Task 1. Emission Calculations	\$40,200	\$4,000	\$44,200
Task 2. Preparation of the Permit Application	\$38,500	\$4,000	\$42,500
Task 3. Communication with SCAQMD	\$51,200	\$9,000	\$60,200
Task 4. Conference Calls, Project Management, and Miscellaneous Tasks	\$26,200	\$4,000	\$30,200
Task 5. CEQA Air Quality Assistance	\$14,800	--	\$14,800
Task 6. Facility-wide PTE Calculations	\$9,700	--	\$9,700
Total	\$180,600	\$21,000	\$201,600


Category (Proposed Variance #7)	Hours	Cost
Principal	25	\$6,580
Manager 8, 9 & 10	39	\$7,850
Associate 4, 5, 6, 6B, 7	39	\$5,810
Support and Miscellaneous	12	\$760
Total:	115	\$21,000

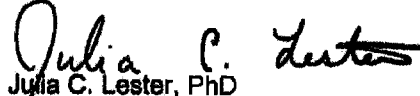
Mr. Steve Malloy

September 22, 2014

Please feel free to call Julia Lester at (213) 943-6329 or Rachel Velthuisen at (213) 943-6349, if you have any comments or questions about this proposal.

Sincerely,


Rachel Velthuisen, PhD
Senior Manager


Julia C. Lester, PhD
Principal

RV:ee

P:\Irvine Ranch Water District\0524408A MWRP Biosolids Permit Assist\Admin\IRWD updated scope Variance #7 082214.pdf

The estimated total cost for the additional scope of task items under Variance #6 is \$21,000, for a total budget of \$201,600. The cost estimate does not include the SCAQMD permitting fees. Costs are based on a time-and-materials basis using our current rates and the terms and conditions approved under the April Notice to Proceed PR 20759.

Accepted and Agreed to:
Steve Malloy, Irvine Ranch Water District

By: _____

Title: _____

Date: _____

ENVIRON

IRVINE EXHIBIT "B" DISTRICT PROFESSIONAL SERVICES VARIANCE

Project Title: MWRP Biosolids Construction Management Services per PSA dated 5/9/2013

Project No.: 21146 (4286) Date: 9/19/2014
Purchase Order No.: 521288 Variance No.: 1

Originator: IRWD ENGINEER/CONSULTANT Other (Explain) _____

Description of Variance (*attach any back-up material*):
Reduce scope and duration for Project Engineer (Gregorio Estrada) related to Biosolids construction management.

Engineering & Management Cost Impact:

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
Project Engineer	4,550	\$195	\$887,250	\$2,750	0	\$890,000
Total \$ =						\$890,000

Schedule Impact:

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
1	Project Engineer	March 2017	(22 months)	May 2015
2	Inspector	March 2017	No Change	March 2017

Required Approval Determination:

Total Original Contract	\$ <u>2,834,476</u>	<input type="checkbox"/> Director: Cumulative total of Variances less than or equal to \$50,000.
Previous Variances \$	0	<input type="checkbox"/> Executive Director: Cumulative total of Variances less than or equal to \$75,000.
This Variance	\$ <u>(890,000)</u>	
Total Sum of Variances	\$ <u>(890,000)</u>	<input type="checkbox"/> General Manager: Cumulative total of Variances less than or equal to \$100,000.
New Contract Amount	\$ <u>1,944,476</u>	
Percentage of Total Variances to Original Contract	<u>31.4</u> %	<input checked="" type="checkbox"/> Board: Cumulative total of Variances greater than \$100,000.

ENGINEER/CONSULTANT: HDR Engineering, Inc.
Company Name

IRVINE RANCH WATER DISTRICT

Project Engineer/Manager Date



Department Director Date 10/17/14

Engineer's/Consultant's Management Date

General Manager/Board Date

IRVINE RANCH WATER DISTRICT

PROFESSIONAL SERVICES VARIANCE REGISTER

Project Title: MWRP Biosolids Construction Management Services per PSA dated 5/9/2013

Project No.: 21146 (4286) Project Manager: Gregorio Estrada

Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
1	Reduce scope and duration for PE	Oct. 16, 2014		(\$890,000)

EXHIBIT "C"

IRVINE RANCH WATER DISTRICT

PROFESSIONAL SERVICES VARIANCE

Project Title: MWRP Biosolids & Energy Recovery Facilities – Construction Phase Services

Project No.: 21146 (4286)

Date: October 6, 2014

Purchase Order No.: 514248

Variance No.: 3

Originator: IRWD ENGINEER/CONSULTANT Other (Explain) _____

Description of Variance (*attach any back-up material*):

At the request of IRWD, add one new Black & Veatch Field Civil/Mechanical Engineer to supplement IRWD staff for the MWRP Biosolids & Energy Recovery Facilities project. The additional Field Civil/Mechanical Engineer will replace an existing IRWD team field engineer that is leaving the project. See attached scope of work for a detailed description of the work tasks.

Engineering & Management Cost Impact:

Classification	Manhours	Billing Rate	Labor \$	Direct Costs	Subcon. \$	Total \$
Field Civil/Mechanical Engineer	4,640	\$185/hr	858,400	40,600	0	899,000
Total \$ =						899,000

Schedule Impact:

Task No.	Task Description	Original Schedule	Schedule Variance	New Schedule
3	Construction Field Support Services	April 30, 2017	0 days	April 30, 2017

Required Approval Determination:

Total Original Contract \$ <u>12,509,031</u>	<input type="checkbox"/> Director: Cumulative total of Variances less than or equal to \$50,000. <input type="checkbox"/> Executive Director: Cumulative total of Variances less than or equal to \$75,000. <input type="checkbox"/> General Manager: Cumulative total of Variances less than or equal to \$100,000. <input checked="" type="checkbox"/> Board: Cumulative total of Variances greater than \$100,000.
Previous Variances \$ <u>777,265</u> This Variance \$ <u>899,000</u>	
Total Sum of Variances \$ <u>1,676,265</u> New Contract Amount \$ <u>14,185,296</u>	
Percentage of Total Variances to Original Contract <u>13.4%</u>	

ENGINEER/CONSULTANT: Black & Veatch Corp.
Company Name

David B. Blum
Project Engineer/Manager

Oct. 6, 2014
Date

Jaclyn
Engineer's/Consultant's Management

Oct. 6, 2014
Date

IRVINE RANCH WATER DISTRICT

SAM Kevin L. Burton
Department Director

10/9/14
Date

General Manager/Board

Date

IRVINE RANCH WATER DISTRICT

PROFESSIONAL SERVICES VARIANCE REGISTER

Project Title: MWRP Biosolids and Energy Recovery Facilities – Construction Phase Services

Project No.: 21146 (4286) Project Manager: Steve Malloy

Variance No.	Description	Dates		Variance Amount
		Initiated	Approved	
1	Add a Field Electrical & Automation Engineer	02-05-14	03-25-14	\$664,600
2	Prepare an Odor Control Maintenance and Monitoring Program (OCMMP)	04-29-14	05-28-14	\$112,665
3	Add a Field Civil/Mechanical Engineer	10-06-14	Pending	\$899,000

**IRVINE RANCH WATER DISTRICT
MWRP BIOSOLIDS & ENERGY RECOVERY FACILITIES
CONSTRUCTION PHASE SERVICES
Project No. 21146 (4286)**

VARIANCE #3

SCOPE OF WORK

BACKGROUND

The Irvine Ranch Water District (IRWD) owns and operates the Michelson Water Recycling Plant (MWRP). New biosolids and energy recovery facilities are currently under construction by Filanc-Balfour Beatty (FBB), the construction contractor. Due to a reduction in IRWD Team field staff for the Biosolids Project, IRWD has requested additional field civil/mechanical engineering services from Black & Veatch to support the project.

Black & Veatch will furnish one additional Field Civil/Mechanical Engineer to support IRWD. The role and responsibilities of this Field Civil/Mechanical Engineer are described below.

BASIS FOR VARIANCE

The Biosolids & Energy Recovery Facilities are currently under construction. Due to the design and operational complexity of these new treatment facilities, seven (7) different Early Completion Milestones dates have been established in the construction contract for Filanc-Balfour Beatty (FBB), the construction contractor. Adequate field civil/mechanical engineering services are crucial to meeting each early milestone completion date and ensure the facility design intent is preserved. There has been a reduction in the available resources within the IRWD Team for this project such that IRWD has requested additional field civil/mechanical engineering services.

FIELD CIVIL/MECHANICAL ENGINEER TASKS

Black & Veatch is proposing Mr. Daniel Cearley as the Field Civil/Mechanical Engineer. Mr. Cearley would join the current project team immediately on a full time basis and will include the following responsibilities, as directed by IRWD based on ongoing project requirements.

- Review civil/mechanical contractor submittals as directed by the IRWD Construction Manager.
- Respond to contractor requests for information (RFIs) as directed by the IRWD Construction Manager.

- Evaluate design alternatives as directed by the IRWD Construction Manager. Implement design changes where appropriate by preparing drawing and specification revisions. Review contractor pricing associated with design changes.
- Conduct process mechanical equipment inspections as directed by the IRWD Construction Manager.
- Assist the IRWD Construction Manager to coordinate the startup activities of the contractor with the B&V commissioning team.
- Attend project meetings with IRWD, the contractor, and Black & Veatch to discuss and resolve issues as directed by the IRWD Construction Manager.
- Witness field mechanical equipment startup activities and testing performed by the contractor to ensure compliance with the contract documents.
- Perform special requests from the IRWD Construction Manager to help ensure that the contract document requirements and District standards are enforced with the contractor.
- Provide coordination between the IRWD Team and District operation staff for scheduling meetings and training, communicating contractor's progress, advising of startup completion status, scheduling field performance testing, and addressing operations and maintenance issues that are noted, as directed by the IRWD Construction Manager.

SCHEDULE AND LEVEL OF EFFORT

The Field Civil/Mechanical Engineer will join the project team immediately on a full time basis through the completion of the project. For purposes of estimating the level of effort, Black & Veatch is assuming a full time engineer from October 1, 2014 through December 31, 2016 (a total of approximately 4,640 hours).

BILLING RATE

The billing rate for the Field Civil/Mechanical Engineer will be \$185 per hour. In accordance with the professional services agreement, the billing rate will be adjusted on an annual basis. The maximum annual billing rate adjustment will be 2.5% per year.

EXPENSES

In accordance with the professional services agreement, a charge of \$8.75 per billable hour is applied for basic computer charges and other miscellaneous expenses. No additional reimbursable expenses are anticipated for these activities.

DS
October 27, 2014
Prepared by: S. Malloy
Submitted by: K. Burton *KL.B*
Approved by: Paul Cook *[Signature]*

ACTION CALENDAR

MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION CONTRACT CHANGE ORDER

SUMMARY:

The Michelson Water Recycling Plant (MWRP) Phase 2 Expansion and Flood Protection Improvements are currently being constructed by J. R. Filanc Construction Company (Filanc). Staff recommends that the Board approve Contract Change Order (CCO) No. 115 in the amount of \$655,000 for modifications to the site grading, pavement, curb, and hardscape for the MWRP Phase 2 Expansion.

BACKGROUND:

Construction of the MWRP Phase 2 Expansion and Flood Protection Improvements project was awarded to Filanc in July 2009 in the amount of \$87,479,450. The project will expand the recycled water production capacity of MWRP to 28 million gallons per day and protect MWRP from flooding of San Diego Creek.

CCO No. 115:

Unforeseen conflicts were discovered during construction that required modifications to the original design of the sitework at MWRP. Existing pipes were shallower than previously thought and resulted in raising grades. Raising grades at these areas affected grades in adjoining areas of the plant. Some areas of MWRP were re-designed to connect to areas of MWRP that subsided during the construction of Phase 2. Drainage issues occurred because of these unforeseen natural occurrences.

Additionally, CCO No. 115 includes changes to allow better accessibility to work areas for MWRP Operations. These changes include providing forklift access and vehicular access to certain areas, such as the membrane bioreactors and the high rate clarifier. The changes also include installing decomposed granite for worker and equipment access.

CCO No. 115 also includes demolition of sidewalks, abandoned piping, and other site features that were not included in the original bid. Further, landscape features, such as decomposed granite paths, were added with this change order.

CCO No. 115 was originally submitted in excess of \$1 million. Staff reviewed the cost proposal and discovered numerous inconsistencies and duplication with Filanc's original cost proposal and requested Filanc to correct these irregularities. The change order process has taken over six months to negotiate. The negotiation concluded with this change order that settles all outstanding grading, pavement, curb, hardscape and drainage issues. CCO No. 115, attached as Exhibit "A"

in the amount of \$655,000, is for the equipment, material, and labor to perform the aforementioned modifications.

The Contract Change Order summary is attached as Exhibit "B". The amount of all change orders in this construction project is \$5,907,162.15 (6.8% of the original bid). The amount of change orders directly related to Phase 2 Expansion and Flood Protection Improvements is \$4,452,087.67 (5.1% of the original bid). Change orders for other projects, such as the biosolids project, account for the difference.

FISCAL IMPACTS:

The MWRP Phase 2 Expansion, Project 30214 (1706) is included in the FY 2014-15 Capital Budget. The existing budget is sufficient to fund CCO No. 115 with Filanc.

ENVIRONMENTAL COMPLIANCE:

The MWRP Phase 2 Expansion and Flood Protection Improvements, Projects 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118) are subject to the California Environmental Quality Act (CEQA) and in conformance with the California Code of Regulations Title 14, Chapter 3, Article 7, an Environmental Impact Report, SCH # 2005051174, was certified by the lead agency on February 27, 2006.

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on October 21, 2014.

RECOMMENDATION:

THAT THE BOARD APPROVE CONTRACT CHANGE ORDER NO. 115, IN THE AMOUNT OF \$655,000, WITH J. R. FILANC CONSTRUCTION COMPANY FOR MODIFICATIONS TO THE CURB, PAVING, AND HARDSCAPE FOR THE MICHELSON WATER RECYCLING PLANT PHASE 2 EXPANSION, PROJECT 30214 (1706).

LIST OF EXHIBITS:

Exhibit "A" – Contract Change Order No. 115
Exhibit "B" – Contract Change Order Summary

EXHIBIT "A"

CONTRACT CHANGE ORDER

IRVINE RANCH WATER DISTRICT
 5600 Sand Canyon Avenue
 Irvine, California 92718
 (949) 453-5300



C.O. No. 115
 Final
 Project No. 20214,30214
(1599,1706)

MWRP Phase 2 Expansion

Project Title

Date: October 6, 2014

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
1. Curb, Paving, and Hardscape Modifications at MWRP (CR-288 and CR-390) PR 30214 (1706) Task 3505	\$655,000.00	\$0.00	0
Notes: 1. The project completion date of June 13, 2014 is unchanged with this Change Order.			
TOTAL	\$655,000.00	\$0.00	

			DAYS ±
1. NET AMOUNT THIS CHANGE ORDER	\$655,000.00		0
2. ORIGINAL CONTRACT AMOUNT	\$87,479,450.00		1,094
3. TOTAL PREVIOUS CHANGE ORDER(S)	\$5,253,162.15		681
4. TOTAL BEFORE THIS CHANGE ORDER (2+ 3)	\$92,732,612.15		1,775
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	\$93,387,612.15		1,775

We hereby agree to make the above change subject to the terms of this change order for the sum of: _____

-----Six Hundred Fifty-Five Thousand and 00/100----- Dollars

10/7/14 J. R. Filanc Construction Co. *[Signature]*
 Date Contractor By: Vince Diaz, Vice President

SIGNATURE	DATE	APPROVAL LEVEL REQUIRED
<i>[Signature]</i> IRWD Engineer or Consulting Engineer Principal Engineer - MWRP Construction	10-6-14 Date 10-7-14 Date	Department Director Approval Required <input type="checkbox"/> Executive Department Director Approval Required <input type="checkbox"/> General Manager Approval Required <input type="checkbox"/> Board Approval Required <input checked="" type="checkbox"/>
Director of Engineering and Construction	Date	By _____ 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 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 Order. The time for completing the contract will not be extended unless expressly provided for in this Change Order

CONTRACT CHANGE REQUEST

IRVINE RANCH WATER DISTRICT

15600 Sand Canyon Avenue
Irvine, California 92619
(949) 453-5300

C.R. No. 288/390

Project No. 20214
(1599)/30214(1706)

Michelson Water Recycling Plant Phase 2 Expansion and Flood Protection Improvements

Project Title

Date: 10/06/2014

THE FOLLOWING CHANGE TO CONTRACT, DRAWINGS AND SPECIFICATIONS IS PROPOSED.	\$ ADDITIONS	\$ DELETIONS	DAYS ±
Curb, Paving, and Hardscape Modifications at MWRP (CR-288 and CR-390) PR 30214 (1706) Task 3505 – This change request is for the curb and paving modifications that were necessary to correct elevations to match existing conditions, improve site drainage, provide easier access to MWRP Operations, and enhance aesthetics. This change request was negotiated with the Contractor.	\$655,000.00	\$0	0
Note: The project completion date of June 13, 2014 is unchanged by this Change Request.			
TOTAL =	\$655,000.00	\$0.00	0

DAYS ±

1. NET AMOUNT THIS CHANGE REQUEST	=	\$655,000.00	0
2. ORIGINAL CONTRACT AMOUNT	=	\$87,479,450.00	1,094
3. TOTAL PREVIOUS CHANGE ORDERS (thru CCO No. 113)	=	\$5,253,162.15	681
4. TOTAL BEFORE THIS CHANGE REQUEST (2+3)	=	\$92,732,612.15	1,775
5. PROPOSED REVISED CONTRACT AMOUNT TO DATE (1+4)	=	\$93,387,612.15	1,775

We hereby agree to make the above change subject to the terms of this change order for the sum of

Six Hundred Fifty-Five Thousand and 00/100 Dollars

10/7/14
Date

Filanc Construction Co.
Name of Contractor

Vince Diaz
By Vince Diaz, Vice President

IRVINE RANCH WATER DISTRICT

DATE

10-7-14

Change Initiated by the District

Steve Malloy
IRWD Engineer or Consulting Engineer

10-7-14

Change Initiated by the Contractor

Principal Engineer – MWRP Construction

Executive Director of Engineering & Water Quality

NOTE: The documents supporting this Change Request, including any drawings and estimates of cost, if required are attached hereto and made a part hereof. This request 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.

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

EXHIBIT "B"

MWRP Phase 2 Expansion and Flood Protection Improvements PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118) Construction Summary

Contractor: J R Filanc Construction
Design Engineer HDR

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
1	Approved by Director of Engineering and Construction Approved on November 19, 2009			\$195.40	\$0.00	\$195.40	0.0%	\$87,479,645.40	0	0	0	1,094	8/1/2012
	1.1 Partnering Workshop – IRWD and the Contractor agreed to split equally the cost of partnering. The initial partnering workshop was held on September 3, 2009. This change request represents the Contractor’s portion of the cost of that initial workshop. It is a credit to IRWD.	A	(\$6,561.60)						0				
	1.2 Installation of Bollards – The Contractor installed bollards around the IRWD MWRP Phase 2 Field Office Trailer and K-rails around the interim sodium hypochlorite System to protect from traffic	A	\$ 3,655.72						0				
	1.3 Relocation of 4-inch Natural Gas Pipeline	B	\$ 3,101.28						0				
2	Approved by Director of Engineering and Construction Approved on December 3, 2009			\$16,018.04	\$195.40	\$16,213.44	0.0%	\$87,495,663.44	0	0	0	1,094	8/1/2012
	2.1 Previously Approved Change Request #4 – Tree Removal and Grinding at Flood Improvements and Duck Club	A	\$ 6,696.00						0				
	2.2 Previously Approved NOPE #1 – Demolish Abandoned Building	D	\$ 7,641.87						0				
	2.3 Repair of 10-inch PVC Groundwater Line at the New Headworks Area	B	\$ 1,680.17						0				
3	Approved by Director of Engineering and Construction Approved on December 18, 2009			\$0.00	\$16,213.44	\$16,213.44	0.0%	\$87,495,663.44	0	0	0	1,094	8/1/2012
	3.1 Construct Temporary Access Road to Staging Area 3	A	\$ -						0				
4	Approved by Board of Directors Approved on January 25, 2010			\$143,950.10	\$16,213.44	\$160,163.54	0.2%	\$87,639,613.54	0	0	0	1,094	8/1/2012
	4.1 Upsize Area 600 Aeration Blower from 350 to 500 hp	C	\$ 66,355.57						0				
	4.2 Upsizing Soft Starters for Area 700 Blowers from 350 to 450 hp	C	\$ 41,529.75						0				
	4.3 Infrared Windows to Measure Stray Currents	A	\$ 36,064.78						0				
5	Approved by Director of Engineering and Construction Approved on December 29, 2009			\$5,081.52	\$160,163.54	\$165,245.06	0.2%	\$87,644,695.06	0	0	0	1,094	8/1/2012
	5.1 Relocation of K-rail to Allow Construction Equipment access for pond maintenance (PR 10942)	D	\$ 5,081.52						0				
6	Approved by Engineering & Operations Comm Approved on January 19, 2010			\$77,478.00	\$165,245.06	\$242,723.06	0.3%	\$87,722,173.06	0	0	0	1,094	8/1/2012
	6.1 WAS and Skimming Pumps Replacement (PR 20779)	D	\$ 77,478.00						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
7	Approved by AGM Approved on February 9, 2010			\$10,214.87	\$242,723.06	\$252,937.93	0.3%	\$87,732,387.93	0	0	0	1,094	8/1/2012
	7.1 Relocation and Repair of Unknown Utilities. The Contractor relocated a 1-inch air line and repaired a 2-inch chlorine line, both of which were not shown on the Plans. (CCR #10)	B	\$ 2,588.36						0				
	7.2 Removal and Disposal of Unknown Electrical Ductbanks at future Sodium Hypochlorite Feed Facility. (CCR #12)	B	\$ 2,216.31						0				
	7.3 Non-compensable Weather-Related Delay	B	\$ -						0				
	7.4 Non-compensable Time Extension Due to Change Order No.	C	\$ -						0				
	7.5 Addition of Manways on Sodium Hypochlorite Tanks (CCR #23)	A	\$ 5,410.20						0				
8	Approved by Board of Directors Approved on February 22, 2010			-\$1,135,820.75	\$252,937.93	-\$882,882.82	-1.0%	\$86,596,567.18	0	0	0	1,094	8/1/2012
	8.1 Delete Bid Item A.28 – System Integration	A	\$ (1,624,460.00)						0				
	8.2 System Integration Coordination and SCADA Hardware Procurement	A	\$ 488,639.25						0				
9	Approved by AGM Approved on March 18, 2010			-\$36,064.78	-\$882,882.82	-\$918,947.60	-1.1%	\$86,560,502.40	0	0	0	1,094	8/1/2012
	9.1 Deletion of Change Order 4, Line Item 3 – Installation of Infrared Windows.	A	\$ (36,064.78)						0				
10	Approved by AGM Approved on March 23, 2010			\$6,963.45	-\$918,947.60	-\$911,984.15	-1.0%	\$86,567,465.85	0	0	0	1,094	8/1/2012
	10.1 Removal of 18-inch pipe and installation of 24-inch blind flange at Sodium Hypochlorite System excavation (CR #24)	B	\$2,708.66						0				
	10.2 Addition of 24-inch side manway for Manganese Hydroxide tanks (CR #27)	A	\$5,667.83						0				
	10.3 Relocation of 54" Primary Effluent Line (CR #29)	A	(\$15,928.00)						0				
	10.4 Change in PVC C900/C905 Manufacturer (CR #30)	A	\$14,514.96						0				
11	Approved by Director of Engineering and Construction Approved on April 26, 2010			\$21,033.73	-\$911,984.15	-\$890,950.42	-1.0%	\$86,588,499.58	0	0	0	1,094	8/1/2012
	11.1 Abandoned 24-inch line at high rate clarifier location (CR #026)	B	\$15,782.97						0				
	11.2 Exploratory Excavation for Duct Bank at MPS-2 electrical building	B	\$3,035.98						0				
	11.3 Provide chain operators and chain, and grease fittings for plug valves for the WAS/Skimming Pumps Replacement Project (PR 20779) (CR #036)	D	\$2,214.78						0				
12	Approved by Director of Engineering and Construction Approved on April 28, 2010			\$17,121.47	-\$890,950.42	-\$873,828.95	-1.0%	\$86,605,621.05	0	0	0	1,094	8/1/2012
	12.1 Relocation of Existing 10-inch and 6-inch GW line (CR #014)	B	\$17,121.47						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
13	Approved by AGM Approved on April 28, 2010 13.1 Modifications in Checkered Aluminum Plates at the Headworks Area (CR 037)	C	\$34,095.00	\$34,095.00	-\$873,828.95	-\$839,733.95	-1.0%	\$86,639,716.05	0	0	0	1,094	8/1/2012
14	Approved by Director of Engineering and Construction Approved on May 4, 2010 14.1 Electrical Substation Work (Two additional 5-inch Conduits and Connection btwn IRWD and SCE) (CR 028)	A	\$16,655.10	\$16,655.10	-\$839,733.95	-\$823,078.85	-0.9%	\$86,656,371.15	0	0	0	1,094	8/1/2012
15	Approved by AGM Approved on May 21, 2010 15.1 Credit for Not Relocating the 18-inch diameter drain line at HRC (CR #019) 15.2 Credit for Slab Penetration Modifications, Detail P17 (RFI 0102) (CR #032)	A A	(\$42,262.00) (\$6,745.95)	-\$49,007.95	-\$823,078.85	-\$872,086.80	-1.0%	\$86,607,363.20	0	0	0	1,094	8/1/2012
16	Approved by Director of Engineering and Construction Approved on May 25, 2010 16.1 Abandonment of 6" Pipes at MBR Screen Area (CR 042) 16.2 Addition of Three Transformers at UV Disinfection Facility (RFI 0149) 16.3 Remove encasement on existing utilities to allow construction of future Primary Sedimentation Tanks (CR 051)	B C B	\$2,536.36 \$18,633.63 \$1,188.43	\$22,358.42	-\$872,086.80	-\$849,728.38	-1.0%	\$86,629,721.62	0	0	0	1,094	8/1/2012
17	Approved by Engineering & Operations Committee Approved on June 15, 2010 17.1 Demolition of Old Clarifier Bottoms (CR 013)	B	(\$55,420.00)	-\$55,420.00	-\$849,728.38	-\$905,148.38	-1.0%	\$86,574,301.62	0	0	0	1,094	8/1/2012
18	Approved by Director of Engineering and Construction Approved on July 28, 2010 18.1 Water Control Gate Revisions (CR #034) 18.2 Repair of Existing Vault west of High Rate Clarifier (CR #063) 18.3 Additional Demolition at Abandoned Aerobic Digester Area (CR #063)	C B B	\$17,923.23 \$1,451.75 \$5,507.26	\$24,882.24	-\$905,148.38	-\$880,266.14	-1.0%	\$86,599,183.86	0	0	0	1,094	8/1/2012
19	Approved by Director of Engineering and Construction Approved on July 30, 2010 19.1 Platform modifications at Sodium Hypochlorite Feed System (CR 025) 19.2 Pothole of existing 36-inch filter influent pipe (CR 043) 19.3 Delete 6" knife gate valve and add 6" plug valve at Primary Sedimentation (CR 046) 19.4 Repair of reclaimed water leak near old control room (CR 064) 19.5 MBR fine screen cover plates modifications (CR 064)	A A A B B	\$2,478.67 \$4,503.99 \$662.31 \$1,173.07 \$7,240.64	\$16,058.68	-\$880,266.14	-\$864,207.46	-1.0%	\$86,615,242.54	0	0	0	1,094	8/1/2012
20	Approved by Assistant GM Approved on August 26, 2010 20.1 Area 600 Blower Discharge Modifications (CR 050)	A	\$34,622.27	\$34,622.27	-\$864,207.46	-\$829,585.19	-0.9%	\$86,649,864.81	0	0	0	1,094	8/1/2012

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
21	Approved from Board of Directors Approved on August 23, 2010 21.1 Valve Vaults Modifications (CR 020)	A	\$277,384.97	\$277,384.97	-\$829,585.19	-\$552,200.22	-0.6%	\$86,927,249.78	0	0	0	1,094	8/1/2012
22	Approved by Director of Engineering and Construction Approved on August 26, 2010 22.1 Site Cleanup Due to Existing Filter Overflow (CR 065) 22.2 Hollow shaft motor modifications to Vertical Turbine & Vertical Propeller Pumps (CR 069)	B A	\$4,271.51 \$18,845.55	\$23,117.06	-\$552,200.22	-\$529,083.16	-0.6%	\$86,950,366.84	0	0	0	1,094	8/1/2012
23	Approved by Director of Engineering and Construction Approved on September 9, 2010 23.1 MBR Anoxic Wall Modifications (CR 061) 23.2 Repair Existing 6-inch GW near SCE Station (CR 067) 23.3 Unforeseen Conditions at SCE Conduit Installation (CR 075)	C B B	\$6,399.86 \$3,449.83 \$13,719.91	\$23,569.60	-\$529,083.16	-\$505,513.56	-0.6%	\$86,973,936.44	0	0	0	1,094	8/1/2012
24	Approved by Engineering and Operations Committee Approved on September 21, 2010 24.1 UVE Piping Modifications at Chlorine Contact Tanks (CR	A	(\$52,172.00)	-\$52,172.00	-\$505,513.56	-\$557,685.56	-0.6%	\$86,921,764.44	0	0	0	1,094	8/1/2012
25	Approved by Board of Directors Approved on September 27, 2010 25.1 Modifications to Campus Drive Entrance (CR 022)	A	\$186,651.45	\$186,651.45	-\$557,685.56	-\$371,034.11	-0.4%	\$87,108,415.89	0	0	0	1,094	8/1/2012
26	Approved by Director of Engineering and Construction Approved on October 20, 2010 26.1 Change of Strut Material from FRP to Stainless Steel 316/Install CAT5 Cable from PLC 1600 to PLC 9 (CR 074) [PR 20214, 30214] 26.2 Existing Primary Sludge Pump Room Demolition and Modifications (CR 076) [PR 20214, 30214] 26.3 Fence Repair at SCE Substation (CR 078) [PR 20214, 30214] 26.4 SHC Electrical and Controls and Milestone Revisions (CR 079) [PR 20214, 30214] 26.5 Change to more Energy Efficient Air Conditioning Units (Five Total) (Submittal 15604-001) (CR 081) [PR 20214, 30214] 26.6 Grouting of the Sodium Hypochlorite Tanks at their Permanent Site (CR 084) [PR 20214, 30214]	A C B B A A	\$1,539.18 \$3,909.94 \$1,957.62 \$324.07 \$9,101.41 \$2,560.52	\$19,392.74	-\$371,034.11	-\$351,641.37	-0.4%	\$87,127,808.63	0	0	0	1,094	8/1/2012
27	Approved by Engineering & Operations Committee Approved on November 4, 2010 27.1 Primary Sedimentation Tanks Flo-Clip Baffles Value Engineering (CR 080)	A	(\$58,157.82)	-\$58,157.82	-\$351,641.37	-\$409,799.19	-0.5%	\$87,069,650.81	0	0	0	1,094	8/1/2012
28	Approved by GM Approved on November 24, 2010 28.1 Ducts for Future Phase 3 MBR (RFI 44) (RFI 016) 28.2 Sodium Hypochlorite LCP Modifications (CR 071)	A A	\$32,021.80 \$7,503.44	\$39,525.24	-\$409,799.19	-\$370,273.95	-0.4%	\$87,109,176.05	0	0	0	1,094	8/1/2012

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
29	Approved by Director of Engineering & Construction Approved on December 22, 2010			\$23,964.61	-\$370,273.95	-\$346,309.34	-0.4%	\$87,133,140.66	0	0	0	1,094	8/1/2012
29.1	MBR Aeration Piping Access Platforms (CR-066)	A	\$14,074.73						0				
29.2	Electrical Conduit Installation near MWRP Phase 2 Trailers (Unforeseen Conditions) (CR 077)	B	\$9,889.88						0				
30	Approved by Assistant GM Approved on December 22, 2010			\$48,684.10	-\$346,309.34	-\$297,625.24	-0.3%	\$87,181,824.76	0	0	0	1,094	8/1/2012
30.1	Pipe Support (20-PE and 18-ML) Modifications per Submittal 15090-003 (CR 073)	C	\$20,880.97						0				
30.2	Material Change to SS 316 for Dry Type Transformer Submittal 16460-001 and Panelboard Submittal 16441-002	A	\$27,803.13						0				
31	Approved by Engineering & Operations Committee Approved on January 18, 2011			\$61,136.74	-\$297,625.24	-\$236,488.50	-0.3%	\$87,242,961.50	0	0	0	1,094	8/1/2012
31.1	Modifications at Campus Drive Access (CR 085)	A	\$61,136.74						0				
32	Approved by Director of Engineering & Construction Approved on January 31, 2011			\$24,303.15	-\$236,488.50	-\$212,185.35	-0.2%	\$87,267,264.65	0	0	0	1,094	8/1/2012
32.1	Delete Grout Fillet and Add Embeds at Headworks Grit Chambers (CR 090)	A	\$8,156.20						0				
32.2	LCPs for Vertical Recirculating Chopper Pumps and Sump Pumps (CR 097)	C	\$15,000.00						0				
32.3	Install Additional "Pipe Below Ground" Warning Tape (CR-099)	A	\$1,146.95						0				
33	Approved by Board of Directors Approved on February 28, 2011			\$282,840.15	-\$212,185.35	\$70,654.80	0.1%	\$87,550,104.80	0	0	0	1,094	8/1/2012
33.1	Revised chlorine feed to filters (CR-038)	C	-\$3,510.68						0				
33.2	PEPS meter vaults and bypass piping revisions (CR-039)	C	-\$165,696.50						0				
33.3	MPS-2 Pump Discharge Pipe Modifications (NOPE #003/CR-040)	D	\$54,005.58						0				
33.4	Modifications to MPS-2 Building Due to Unknown Duct Banks (RFI 160) (CR-049)	B	\$16,500.00						0				
33.5	WAS/Foam Pump Revisions (CR-053)	C	-\$5,696.40						0				
33.6	Floodwall Revisions per County of Orange and FEMA comments (CR-083)	A	\$350,685.85						0				
33.7	Modifications to Grating Supports at PST Splitter Box (CR-084)	C	\$5,266.73						0				
33.8	Change to NEMA 3R SS 316 Cabinets and Additional Taps for UV Disinfection Transformers Added by CR 047/CO 16 (CR-104)	A	\$12,003.29						0				
33.9	Miscellaneous Time &Material								0				
	Demo Oversized Footing/Rebar on Existing Retaining Wall behind Paint Shop (CR-100)	B	\$5,391.41						0				
	Removal of Unknown Concrete at the North Interceptor (CR-107)	B	\$2,917.38						0				
	Thrust block on storage line at HRC vault (CR-108)	B	\$3,638.22						0				
	Removal of encased pipe for pile driving at MBR (CR-109)	B	\$2,756.79						0				
	Repair pile damaged when performing CR-109 (CR-110)	B	\$1,320.34						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
	Install hydrophilic waterstop at PST launders (CR-113) Approved by Director of Engineering & Construction Approved on March 23, 2011	B	\$3,258.14						0				
34	34.1 Groundwater Well Modifications (CR-041) [PR 20214, 30214]	A	\$2,338.20	\$21,844.56	\$70,654.80	\$92,499.36	0.1%	\$87,571,949.36	0	0	0	1,094	8/1/2012
	34.2 Bypass for Shutdown at HRC Vault (CR-106) [PR 20214, 30214]	A	\$11,200.90						0				
	34.3 Removal and Disposal of Abandoned 8-inch Reclaimed Water Line in the area of North Influent Interceptor Junction Structure (CR-111) [PR 20214, 30214]	B	\$3,039.17						0				
	34.4 Additional Pipe Supports for 20" PE at MBR (CR-135) [PR 20214, 30214]	B	\$2,811.22						0				
	34.5 Repair existing 6-in Reclaimed Water Line near Headworks (CR-138) [PR 20214, 30214]	C	\$2,455.07						0				
35	Approved by Asst. GM Approved on April 18, 2011			\$43,741.00	\$92,499.36	\$136,240.36	0.2%	\$87,615,690.36	0	0	0	1,094	8/1/2012
	35.1 Area 600 Blower Discharge Modifications (CR-055) [PR 20214, 30214]	A	\$28,785.00						0				
	35.2 Area 600 Blower Structural Support Modifications (CR-077) [PR 20214, 30214]	B	\$14,956.00						0				
36	Approved by Director of Engineering and Construction Approved on May 16, 2011			\$23,514.97	\$136,240.36	\$159,755.33	0.2%	\$87,639,205.33	0	0	0	1,094	8/1/2012
	36.1 Area 300 Primary Sedimentation and Area 700 Membrane Bioreactors FRP Launder Modifications (CR-087) [PR 20214, 30214]	A	\$4,757.27						0				
	36.2 Area 700 Membrane Bioreactors GE Piping Modifications (CR-136) [PR 20214, 30214]	B	\$16,933.64						0				
	36.3 Addition of speed feedback on Various variable speed pumps (Chemical Systems) (CR-116) [PR 20214, 30214]	A	\$1,824.06						0				
37	Approved by Assistant GM Approved on May 30, 2011			\$46,369.50	\$159,755.33	\$206,124.83	0.2%	\$87,685,574.83	0	0	0	1,094	8/1/2012
	37.1 Replacement of Existing Area 600 Discharge Pipe Coupling (CR-117) [PR 20214, 30214]	A	\$14,011.85						0				
	37.2 Modifications to Primary Sedimentation Tank Embeds and Cover Plates (CR-125) [PR 20214, 30214]	A	\$6,751.65						0				
	37.3 Increase of Bid Item A.8 – Additional Pre-drilling of Piles (CR-098) - 3,658 LF@ \$7/LF [PR 20214, 30214]	B	\$25,606.00						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

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38	Approved by Director of Engineering and Construction Approved on May 30, 2011			\$24,692.00	\$206,124.83	\$230,816.83	0.3%	\$87,710,266.83	0	0	0	1,094	8/1/2012
38.1	Two-Sided (Split Faced) Masonry for Flood Protection Improvements (CR-088) [PR 20542, 30542]	C	\$19,704.00						0				
38.2	Architectural Modifications of MBR Building per Revised Drawing A-702 (CR-149) [PR 20214, 30214]	C	\$4,988.00						0				
39	Approved by Engineering & Operations Committee Approved on June 21, 2011			\$60,515.80	\$230,816.83	\$291,332.63	0.3%	\$87,770,782.63	0	0	0	1,094	8/1/2012
39.1	Additional Architectural Modifications at High Rate Clarifier (CR-082) [PR 20214, 30214]	A	\$60,515.80						0				
40	Approved by Director of Engineering and Construction Approved on June 23, 2011			\$23,214.05	\$291,332.63	\$314,546.68	0.4%	\$87,793,996.68	0	0	0	1,094	8/1/2012
40.1	Double Containment Piping Modification for Sodium Hypochlorite System (CR-095) [PR 20214, 30214/Oracle]	A	\$16,157.16						0				
40.2	Change of Enclosure from NEMA 4 to NEMA 4X SS for Chopper Pumps in CR-097 (CR-133) [PR 20214,	A	\$1,347.00						0				
40.3	Sodium Hypochlorite Tank Pad at PST Odor Control (CR-146) [PR 20214, 30214/Oracle 1599, 1706]	B	\$5,709.89						0				
41	Approved Assistant GM Approved on June 24, 2011			\$48,005.26	\$314,546.68	\$362,551.94	0.4%	\$87,842,001.94	0	0	0	1,094	8/1/2012
41.1	MPS-2 replacement of existing valves (NOPE #4) (CR-126) [PR 20214, 30214/Oracle 1599, 1706]	A	\$35,068.26						0				
41.2	Graybar Modifications per RFI 372 (CR-144) [PR 20214, 30214/Oracle 1599, 1706]	A	\$3,429.00						0				
41.3	Steel Joists Modifications Due to Additional Load Requirements per Submittal 05221-001 (CR-153) [PR 20214,	B	\$9,508.00						0				
42	Approved by Engineering & Operations Committee Approved on July 13, 2011			\$59,150.74	\$362,551.94	\$421,702.68	0.5%	\$87,901,152.68	0	0	0	1,094	8/1/2012
42.1	MBR Aeration and Permeate Piping Modifications (CR-048) [PR 20214, 30214/Oracle 1599, 1706]	B	\$59,150.74						0				
43	Approved by Board of Directors Approved on July 25, 2011			\$1,132,283.71	\$421,702.68	\$1,553,986.39	1.8%	\$89,033,436.39	120	0	120	1,214	11/29/2012
43.1	Pipelines and Utilities for Future Biosolids (CR-017) (PR 20847/Oracle 1617)	D	\$503,272.17						60				
43.2	Biosolids Sewer Force Main (CR-045) (PR 20847/Oracle	D	\$626,976.14						60				
43.3	Geotechnical Investigation at Staging Area 2 for Biosolids Project (CR 137) (PR 20847/Oracle 1617)	D	\$2,035.40						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
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44	Approved on Director of Engineering & Construction Approved on August 18, 2011			\$24,974.48	\$1,553,986.39	\$1,578,960.87	1.8%	\$89,058,410.87	0	120	120	1,214	11/29/2012
44.1	Chemical Systems Pump Pad Modifications (CR-105) (PR 20214,30214/Oracle 1599,1706)	A	\$1,833.71						0				
44.2	Installation of 6" Gate Valve and Change of Pipe Size on PW near SII Junction (CR-140) (PR 20214,30214/Oracle	A	\$9,141.00						0				
44.3	PLC-300 additional I/O to accommodate VFD change of Primary Sludge Pumps (PR 20214,30214/Oracle 1599,1706)	A	\$13,999.77						0				
44.4	Non-compensable time extension of Milestone 5 - Floodwall Installation delay due to FEMA review and regulatory compliance	B	\$0.00						0				
45	Approved by Director of Engineering & Construction Approved on August 29, 2011			\$24,935.87	\$1,578,960.87	\$1,603,896.74	1.8%	\$89,083,346.74	0	0	0	1,214	11/29/2012
45.1	Deletion of Monorail and Door Modifications at Headworks (CR-103) (PR 20214,30214/Oracle 1599,1706)	A	\$3,570.03						0				
45.2	Hollow Metal Door Modifications (CR-156) (PR 20214,30214/Oracle 1599,1706)	A	\$7,396.38						0				
45.3	Miscellaneous T&M (CR-166) (PR 20214,30214/Oracle 1599,1706)	B	\$13,969.46						0				
46	Approved by Board of Directors Approved on September 26, 2011			\$476,789.37	\$1,603,896.74	\$2,080,686.11	2.4%	\$89,560,136.11	0	120	120	1,214	11/29/2012
46.1	Replacement of Sand Canyon Zone A and Associated Piping, Valves, and Appurtenances (CR-130) (PR 30038/Oracle 1643)	D	\$455,216.07						0				
46.2	As Needed Potholing Related to Strainer Replacement and Pipe Installation (CR-130) (PR 30038/Oracle 1643)	D	\$21,573.30						0				
47	Approved by Director of Engineering & Construction Approved on October 13, 2011			\$24,215.90	\$2,080,686.11	\$2,104,902.01	2.4%	\$89,584,352.01	0	120	120	1,214	11/29/2012
47.1	Installation of Davits at PST, MBR, SBW Walkway, and HRC (CR-134) (PR 20214 (1599)/30214 (Oracle 1706))	A	\$6,153.02						0				
47.2	Miscellaneous T&M Work (CR-183) (PR 20214 (1599)/30214 (Oracle 1706))	B	\$18,062.88						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
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48	Approved by Director of Engineering & Construction Approved on October 18, 2011			\$24,860.93	\$2,104,902.01	\$2,129,762.94	2.4%	\$89,609,212.94	0	120	120	1,214	11/29/2012
48.1	Primary splitter box low pressure air pipe material and restraints (CR-162)/(PR 20214 (1599)/30214 (Oracle 1706))	C	\$6,583.45						0				
48.2	FRP Launder Modifications at MBR RAS Box (CR-168)/(PR 20214 (1599)/30214 (Oracle 1706))	C	\$4,318.00						0				
48.3	Concrete with PVC behind Auto Shop (CR-112)/(PR 20214 (1599)/30214 (Oracle 1706))	B	\$1,262.67						0				
48.4	Door Hardware Modifications per RFI-0339 (CR-139)/(PR 20214 (1599)/30214 (Oracle 1706))	C	\$7,428.82						0				
48.5	SBW Pumps Low Level Circuit modifications (CR-178)/(PR 20214 (1599)/30214 (Oracle 1706))	C	\$2,261.42						0				
48.6	Site Lighting Modifications (CR-068)/(PR 20214 (1599)/30214 (Oracle 1706))	C	\$3,006.57						0				
49	Approved from Board of Directors Approved on October 24, 2011			\$318,886.24	\$2,129,762.94	\$2,448,649.18	2.8%	\$89,928,099.18	0	120	120	1,214	11/29/2012
49.1	Biosolids Indicator Piles (CR-175)/PR 20847 (1617)	D	\$318,886.24						0				
50	Approved by Director of Engineering & Construction Approved on November 21, 2011			\$24,957.84	\$2,448,649.18	\$2,473,607.02	2.8%	\$89,953,057.02	0	120	120	1,214	11/29/2012
50.1	Odor scrubber cleaning at Primary Sedimentation Tanks (CR-158) (PR 20214,30214/Oracle 1599,1706)	A	\$2,564.33						0				
50.2	Existing Ductbank Modifications (CR-185) (PR 20214,30214/Oracle 1599,1706)	A	\$13,764.46						0				
50.3	Additional Concrete Fillets at High Rate Clarifier (CR-188) (PR 20214,30214/Oracle 1599,1706)	A	\$8,629.05						0				
51	Approved by Director of Engineering & Construction Approved on November 22, 2011			\$24,342.17	\$2,473,607.02	\$2,497,949.19	2.9%	\$89,977,399.19	0	120	120	1,214	11/29/2012
51.1	Filter Pump Station-2(FPS-2) Potable Water Line Addition (CR-172) (PR 20214 (1599)/30214 (Oracle 1706))	A	\$6,296.80						0				
51.2	Pothole 8 Inch Drain Line from High Rate Clarifier to Manhole #3 (CR-197) (PR 20214 (1599)/30214 (Oracle 1706))	B	\$18,045.37						0				
52	Approved by Board of Directors Approved on December 12, 2011			\$284,442.00	\$2,497,949.19	\$2,782,391.19	3.2%	\$90,261,841.19	0	120	120	1,214	11/29/2012
52.1	36" Stormwater Pipeline for Biosolids (CR-174) (PR 20847)	D	\$284,442.00						0				
53	Approved by Director of Engineering & Construction Approved on December 8, 2011			\$24,885.30	\$2,782,391.19	\$2,807,276.49	3.2%	\$90,286,726.49	0	120	120	1,214	11/29/2012
53.1	Modifications to MBR Pump Room Drains and Valve Vaults (CR-096) (PR 20214/30214 (1599/1706))	C	\$8,460.88						0				
53.2	Central Electrical Building Masonry Veneer Modifications (CR-159) (PR 20214/30214 (1599/1706))	C	\$5,243.55						0				
53.3	Sodium Hydroxide Tank Pad Modifications (CR-161)	A	\$2,578.57						0				
53.4	Addition of Gutter and Downspout at Membrane Bioreactors Structure (CR-164) (PR 20214/30214 (1599/1706))	C	\$8,602.30						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
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54	Approved by Director of Engineering & Construction Approved on December 9, 2011			\$24,569.34	\$2,807,276.49	\$2,831,845.83	3.2%	\$90,311,295.83	0	120	120	1,214	11/29/2012
54.1	Grit Pump and Mixer Power Feed Modifications (CR-115) (PR 20214,30214/Oracle 1599,1706)	A	\$3,764.78						0				
54.2	8-inch Plant Drain Residuals to Headworks Piping Modifications at High Rate Clarifier (CR-171) (PR 20214,30214/Oracle 1599,1706)	A	\$11,720.63						0				
54.3	Vault Drain Line to PEPS (CR-176) (PR 20214,30214/Oracle 1599,1706)	B	\$9,083.93						0				
55	Approved by Director of Engineering & Construction Approved on January 11, 2012			\$24,469.23	\$2,831,845.83	\$2,856,315.06	3.3%	\$90,335,765.06	0	120	120	1,214	11/29/2012
55.1	Sodium Hypochlorite and Ferric Chloride Chemical Piping Additions (CR-128) (PR 20214,30214/Oracle 1599,1706)	A	\$9,994.81						0				
55.2	Modifications to the Existing Filter Effluent Channels (CR- 204) (PR 20214,30214/Oracle 1599,1706)	C	\$14,474.42						0				
56	Approved by Director of Engineering & Construction Approved on January 20, 2012			\$24,315.75	\$2,856,315.06	\$2,880,630.81	3.3%	\$90,360,080.81	47	120	167	1,261	1/15/2013
56.1	Existing Sludge Pump Room Modifications (CR-147) (PR 20214,30214/Oracle 1599,1706)	B	\$19,483.75						0				
56.2	Structural Modifications for 20" LPA Penetration at MBR Building (CR-213) (PR 20214,30214/Oracle 1599,1706)	C	\$4,832.00						47				
57	Approved by Board of Directors Approved on February 27, 2012			\$116,206.53	\$2,880,630.81	\$2,996,837.34	3.4%	\$90,476,287.34	0	167	167	1,261	1/15/2013
57.1	Change from 2-Ton Bridge Crane to 5-Ton Bridge Crane (CR- 195) (PR 20214,30214/Oracle 1599,1706)	C	\$116,206.53						0				
58	Approved by Board of Directors Approved on February 27, 2012			(\$669,030.20)	\$2,996,837.34	\$2,327,807.14	2.7%	\$89,807,257.14	0	167	167	1,261	1/15/2013
58.1	Final Quantity Adjustment due to Differing Site Conditions of Bid Item A.06 – Precast Prestressed Concrete Driven Piles – Structure Piles (PR 20214,30214/Oracle 1599,1706)	B	(\$669,030.20)						0				
59	Approved by Director of Engineering & Construction Approved on February 23, 2012			\$24,975.26	\$2,327,807.14	\$2,352,782.40	2.7%	\$89,832,232.40	0	167	167	1,261	1/15/2013
59.1	South Influent Interceptor Modifications (CR-169) (PR 20214,30214/Oracle 1599,1706)	B	\$24,975.26						0				

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60	Approved by Director of Engineering & Construction Approved on February 24, 2012			\$24,875.42	\$2,352,782.40	\$2,377,657.82	2.7%	\$89,857,107.82	0	167	167	1,261	1/15/2013
60.1	Installation of 1" and 2" Conduits at High Rate Clarifier (CR-058) (PR 20214,30214/Oracle 1599,1706)	B	\$1,225.50						0				
60.2	Floodwall Revisions Due to 5 kV and Transmitter Conflict (CR-148) (PR 20542 (1150)/30542 (1118))	B	\$1,485.98						0				
60.3	Pump call relays for Area 800 polymer and sand feed LCPs (CR-189) (PR 20214,30214/Oracle 1599,1706)	A	\$1,013.84						0				
60.4	Modifications to Flood Wall Entrance on Riparian (CR-222) (PR 20542 (1150)/30542 (1118))	B	\$17,922.87						0				
60.5	Existing 30-Inch Wall Spools at SBW Tank (CR-223)(PR 20214,30214/Oracle 1599,1706)	A	\$3,227.23						0				
61	Approved by Engineering & Operations Committee Approved on March 20, 2012			\$56,853.28	\$2,377,657.82	\$2,434,511.10	2.8%	\$89,913,961.10	0	167	167	1,261	1/15/2013
61.1	Additional sampling stations, samplers, analyzers, and associated electrical, instrumentation, and programming at Primary Effluent Pump Station, Membrane Bioreactor, and Chlorine Contact Tanks (CR-131) (PR 20214,30214/Oracle	A	\$56,853.28						0				
62	Approved by Director of Engineering & Construction Approved on March 19, 2012			\$24,734.25	\$2,434,511.10	\$2,459,245.35	2.8%	\$89,938,695.35	0	167	167	1,261	1/15/2013
62.1	Additional Electrical Work to Site Glass for Scum Line at Primary Sludge Room (CR-044)(PR 20214,30214/Oracle	C	\$3,247.25						0				
62.2	T12/T13 Substation Pad Modifications (CR-120)(PR 20214,30214/Oracle 1599,1706)	C	\$13,144.00						0				
62.3	Removal of ACP Pipe in Primary Sludge Room (CR-124) (PR 20214,30214/Oracle 1599,1706)	B	\$3,562.83						0				
62.4	Pressure Testing of 14-Inch Butterfly Valves at MPS-2 (CR-187) (PR 20214,30214/Oracle 1599,1706)	A	\$2,454.83						0				
62.5	Pipe Rental for Secondary Clarifier Bypass (CR-202) (PR 20214,30214/Oracle 1599,1706)	A	\$2,325.34						0				
62.6	Non-compensatory Time Extension of 117 Days for Milestone #5 - Floodwall Installation	B	\$0.00						0				
63	Approved by Director of Engineering & Construction Approved on March 26, 2012			\$24,724.63	\$2,459,245.35	\$2,483,969.98	2.8%	\$89,963,419.98	0	167	167	1,261	1/15/2013
63.1	Remove and Replace Existing Slide Gate at Backwash Supply Tank (CR-165)(PR 20214,30214/Oracle 1599,1706)	A	\$18,991.09						0				
63.2	HRC Polymer Storage & Feed System Modifications (CR-170)(PR 20214,30214/Oracle 1599,1706)	C	\$3,435.19						0				
63.3	Potholing for Utilities Not Shown on Drawings near MgOH Tanks (CR-211)(PR 20214,30214/Oracle 1599,1706)	C	\$2,298.35						0				

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64	Approved by E&O Committee Approved on April 17, 2012			\$76,429.27	\$2,483,969.98	\$2,560,399.25	2.9%	\$90,039,849.25	0	167	167	1,261	1/15/2013
64.1	Grading Modifications at High Rate Clarifier (CR-179) (PR 20214,30214/Oracle 1599,1706)	A	\$76,429.27					0					
65	Approved by Director of Engineering & Construction Approved on April 19, 2012			\$24,226.85	\$2,560,399.25	\$2,584,626.10	3.0%	\$90,064,076.10	0	167	167	1,261	1/15/2013
65.1	Filler pieces between steel roof joists at CEB (CR-154)(PR 20214,30214/Oracle 1599,1706)	C	\$1,072.20					0					
65.2	Highline & Relocate 6-in GW due to revised location of electrical manholes (CR-201)(PR 20214,30214/Oracle	B	\$10,739.37					0					
65.3	Additional Building Signage at UV Facility (CR-205) (PR 20214,30214/Oracle 1599,1706)	A	\$3,432.94					0					
65.4	Area 400 PEPS Electrical Room HVAC Modifications (CR-215) (PR 20214,30214/Oracle 1599,1706)	C	\$2,186.05					0					
65.5	Revisions to the Seimens Pre-Negotiated Component Scope for the Odor Scrubber (CR-226) (PR 20214,30214/Oracle	A	\$6,796.29					0					
66	Approved by General Manager Approved on May 1, 2012			\$28,953.41	\$2,584,626.10	\$2,613,579.51	3.0%	\$90,093,029.51	0	167	167	1,261	1/15/2013
66.1	High Rate Clarifier and Chlorine Contact Tank Coating Modifications (CR-155) 30542 (1118)	A	\$28,953.41					0					
67	Approved by General Manager Approved on May 7, 2012			\$48,235.02	\$2,613,579.51	\$2,661,814.53	3.0%	\$90,141,264.53	0	167	167	1,261	1/15/2013
67.1	Membrane Bioreactors Air Scour Blower Control I/O Conduit Modifications (CR-101) PR 20124 (1599)	A	\$21,906.75					0					
67.2	Primary Sludge Pump Modifications (CR-114) PR 20214 (1599)	A	\$26,328.27					0					
68	Approved by Exe. Dir. Of Engineering & Planning Approved on May 18, 2012			\$24,943.20	\$2,661,814.53	\$2,686,757.73	3.1%	\$90,166,207.73	0	167	167	1,261	1/15/2013
68.1	Backwash Surge Line Reroute to Backwash Supply Wetwell (CR-198) PR 30124 (1706)	A	\$20,308.25					0					
68.2	Additional Eyewash at the UV Disinfection Facility (CR-200) PR 30214 (1706)	A	\$4,634.95					0					
69	Approved by Exe. Dir. Of Engineering & Planning Approved on May 23, 2012			\$24,942.86	\$2,686,757.73	\$2,711,700.59	3.1%	\$90,191,150.59	0	167	167	1,261	1/15/2013
69.1	Modifications to Existing Slab-On-Grade at Filters (CR-142) PR 30124 (1706)	A	\$2,816.82					0					
69.2	Flood Wall Modifications (CR-167) PR 20542 (1150)/PR 30542 (1118)	A	\$3,488.62					0					
69.3	Filters Air Flow Meter Repair and Bollards Addition (CR-173) PR 30124 (1706)	A	\$2,185.92					0					
69.4	Bridge Crane Photo Sensors at Membrane Bioreactors and Ultraviolet Disinfection Facility (CR-177) PR 20214 (1599)/PR 30214 (1706)	A	\$16,451.50					0					

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
70	Approved by General Manager Approved on June 26, 2012 70.1 Credit for Landscape Restoration of a Portion of the Screen Berm North of MWRP (CR-255) PR 20542 (1150)/PR 30542	A	(\$48,672.95)	(\$48,672.95)	\$2,711,700.59	\$2,663,027.64	3.0%	\$90,142,477.64	0	167	167	1,261	1/15/2013
71	Approved by Acting Exec. Director of Engineering & Construction Approved on June 28, 2012 71.1 Surge Tank Tower Cable and Conduit Repair and Relocation (CR-210) /Photocell for 3 nightlights at UV (CR-236) PR 71.2 8" line stop for removal of existing 8" sewer line (CR 217) PR 20214 (1599) 71.3 Demolition of existing 24" SBW Pipe conflicting with new 8" SBW (CR 229) PR 20214 (1599) 71.4 Demolition of existing concrete ductbank encasement near Headworks (CR 233) PR 20214 (1599) 71.5 Installation of 4-inch gate valve and associated repairs near FPS-2 Due to Failure of Existing 4-inch Reclaimed Water Loop (CR 234) PR 30214 (20214)	B B B B A	\$7,226.25 \$6,200.00 \$4,277.45 \$4,596.34 \$1,626.47	\$23,926.51	\$2,663,027.64	\$2,686,954.15	3.1%	\$90,166,404.15	0	167	167	1,261	1/15/2013
72	Approved by Acting Exec. Director of Engineering & Construction Approved on June 28, 2012 72.1 Irrigation Line Road Crossings Additions (CR-186) PR 20214 (1599), 30214 (7106) 72.2 Transformer 12, 13 conduit relocation (CR 239) PR 20214 (1599), 30214 (7106) 72.3 Biosolids conduit realignment near SWP Station (CR 245) PR 20847 (1617) 72.4 Repair of unknown 2" and 4" RW pipe during excavation of biosolids piping (CR 260) PR 20847 (1617)	C B B B	\$14,596.59 \$865.37 \$3,605.70 \$3,980.11	\$23,047.77	\$2,686,954.15	\$2,710,001.92	3.1%	\$90,189,451.92	0	167	167	1,261	1/15/2013
73	Approved by Acting Exec. Director of Engineering & Construction Approved on July 3, 2012 73.1 MBR Roof and Bridge Crane Modifications (CR-264) PR 20214 (1599)	C	\$16,525.80	\$16,525.80	\$2,710,001.92	\$2,726,527.72	3.1%	\$90,205,977.72	0	167	167	1,261	1/15/2013
74	Approved by E&O Committee Approved on July 24, 2012 74.1 Relocation of Existing 16-Inch Reclaimed Water Pipeline near Flow Equalization Basin (CR-240) PR 20542 (1150) and 30542 (1118)	B	\$52,342.09	\$52,342.09	\$2,726,527.72	\$2,778,869.81	3.2%	\$90,258,319.81	0	167	167	1,261	1/15/2013
75	Approved by Board of Directors Approved on August 13, 2012 75.1 MPS-1 Building Demolition and Electrical Relocation (CR-209) PR 20214 (1599) and 30214 (1706)	A	\$473,570.14	\$473,570.14	\$2,778,869.81	\$3,252,439.95	3.7%	\$90,731,889.95	0	167	167	1,261	1/15/2013

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

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76	Approved by General Manager Approved on July 30, 2012			\$29,412.41	\$3,252,439.95	\$3,281,852.36	3.8%	\$90,761,302.36	0	167	167	1,261	1/15/2013
76.1	MPS-2 Pump Pad Modifications (CR-232) PR 30214 (1706)	A	\$29,412.41						0				
77	Approved by Board of Directors Approved on August 27, 2012			\$151,336.95	\$3,281,852.36	\$3,433,189.31	3.9%	\$90,912,639.31	0	167	167	1,261	1/15/2013
77.1	Chlorine Contact Tank Repairs (CR-152) PR 30214 (1706)	B	\$151,336.95						0				
78	Approved by Exec. Dir. Of Engineering and Planning Approved on August 15, 2012			\$24,341.31	\$3,433,189.31	\$3,457,530.62	4.0%	\$90,936,980.62	0	167	167	1,261	1/15/2013
78.1	Unforeseen Conditions Associated with 36-inch HDPE Biosolids Storm Drain Installation PR 20847 (1617)	B	\$11,473.24						0				
78.2	Remove and Replace Two 8-Inch Reclaimed Water Gate Valves on South Side of Chlorine Contact Tanks (CR-257) PR	A	\$1,832.69						0				
78.3	Removal of Unknown Concrete at Existing Structure northwest of PEPS to install 54" PE line PR 20124 (1599)	B	\$6,833.18						0				
78.4	Headworks Scum Piping Modifications (CR-269) PR 20124 (1599)	B	\$4,202.20						0				
79	Pending Approval from General Manager Sent for Approval on September 20, 2012			\$49,030.10	\$3,457,530.62	\$3,506,560.72	4.0%	\$90,986,010.72	0	167	167	1,261	1/15/2013
79.1	Chlorine Contact Tank Repairs (CR-152) PR 30214 (1706)	A	\$49,030.10						0				
80	Approved by Exe. Director of Engineering and Planning Approved on September 24, 2012			\$24,593.00	\$3,506,560.72	\$3,531,153.72	4.0%	\$91,010,603.72	0	167	167	1,261	1/15/2013
80.1	Arc Flash/Coordination Study (CR-252) PR 20214 (1599)	A	\$24,593.00						0				
81	Approved by E&O Committee Approved on November 16, 2012			\$66,811.32	\$3,531,153.72	\$3,597,965.04	4.1%	\$91,077,415.04	0	167	167	1,261	1/15/2013
81.1	Storage Building (CR-295) PR 20847 (1617)	D	\$66,811.32						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

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82	Approved by Exe. Director of Engineering and Planning Approved on November 1, 2012			\$24,888.24	\$3,597,965.04	\$3,622,853.28	4.1%	\$91,102,303.28	0	167	167	1,261	1/15/2013
82.1	SCADA Programming Modifications at UV Disinfection Facility (CR-235) PR 30214 (1706)	A	\$2,598.23										
82.2	Re-Fabricate Cofferdam Due to Existing Conditions at Primary Effluent Channel (CR-259) PR 20124 (1599)	B	\$3,904.14										
82.3	Repair of Existing 6" Waste Activated Sludge (WAS) Pipeline south of Existing Rectangular Secondary Clarifiers (CR-268) PR 20214 (1599)	B	\$2,979.43										
82.4	Membrane Bioreactor Low Pressure Air Flange Modifications (CR-271) PR 20214 (1599)	B	\$1,394.68										
82.5	Cut and Plug Abandoned 6-inch sewer line north of existing Headworks (CR-272) PR 20214 (1599)	B	\$429.63										
82.6	Electrical Manhole No. MHG6C Sump Pump Work (CR-277) PR 20124 (1599)	C	\$2,104.38										
82.7	Crack Repair of Existing Primary Sedimentation Tank Influent Channel (CR-292) PR 20214 (1599)	B	\$3,476.68										
82.8	Modifications to Ledger Angle, Grating, and FRP launder troughs in Primary Sedimentation Tank splitter box (CR-293) PR 20214 (1599)	B	\$2,767.83										
82.9	Pressure Regulators at Headworks (CR-294) PR 20214 (1599)	B	\$5,233.24						0				
83	Approved by Board of Directors Approved on November 26, 2012			-\$228,007.95	\$3,622,853.28	\$3,394,845.33	3.9%	\$90,874,295.33	0	167	167	1,261	1/15/2013
83.1	Final quantity adjustments for Bid Item No. A.07 - Predrilled Precast Pre-stressed Concrete Drive Piles - Influent Sewer	B	-\$210,094.00						0				
83.2	Final quantity adjustments for Bid Item No. B.01 - Precast Pre-stressed Concrete Driven Pile	B	\$89,362.00						0				
83.3	Final quantity adjustments for Bid Item No. B.02 - Predrilled Precast Pre-stressed Concrete Driven Piles.	B	-\$107,275.95						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

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84	Approved by Acting GM Approved on December 28, 2012 84.1 Removal and Disposal of Existing Motors, Pumps, and Equipment in MPS- Building (CR-221) PR 20214, 30214	A	\$37,859.85	\$37,859.85	\$3,394,845.33	\$3,432,705.18	3.9%	\$90,912,155.18	0	167	167	1,261	1/15/2013
85	Approved by Exe. Director of Engineering and Planning Approved on December 28, 2012 85.1 Installation of 10-Inch Tee on Biosolids Piping (CR-253) PR 20847 (1617) 85.2 Two Additional Concrete Supports for the 36-Inch RAS Line at MBR (CR-242) PR 20214 (1599) 85.3 Addition of Two 8-inch Plug Valves to Plant Drain Line for Sampling at Headworks (CR-303) PR 20214 (1599)	D C A	\$1,783.30 \$6,211.81 \$16,054.86	\$24,049.97	\$3,432,705.18	\$3,456,755.15	4.0%	\$90,936,205.15	0 0 0	167	167	1,261	1/15/2013
86	Approved by Exe. Director of Engineering and Planning Approved on December 28, 2012 86.1 Removal of Buried Concrete to Allow Construction of Groundwater Well No. 0140 (CR-273) PR 20214 (1599) 86.2 Additional Concrete Fillets on the East Wall Corners of New PSTs (CR-304) PR 20214 (1599) 86.3 HVAC Modifications at PEPS Electrical Room (CR-305) PR 20214 (1599) 86.4 Coating of Vactor Station (CR-306) PR 20214 (1599)	B A B A	\$2,893.01 \$10,727.59 \$3,433.39 \$3,174.82	\$20,228.81	\$3,456,755.15	\$3,476,983.96	4.0%	\$90,956,433.96	0 0 0 0	167	167	1,261	1/15/2013
87	Approved by E&O Committee Approved on January 15, 2013 87.1 Research Pads (CR-219) PR 20214 (1599)	D	\$79,315.00	\$79,315.00	\$3,476,983.96	\$3,556,298.96	4.1%	\$91,035,748.96	0	167	167	1,261	1/15/2013
88	Approved by Exe. Director of Engineering and Planning Approved on January 29, 2013 88.1 Headworks Building Load-Out Container Wheel Guides and Stops (CR-249) PR 20214 (1599) 88.2 Modifications to Existing Junction Box at PEPS (CR-291) PR 20214 (1599) 88.3 Investigation to Expose High Pressure Corroded 8-Inch Reclaimed Water Line (CR-298) PR 20214 (1599) 88.4 Alum Sidewalk Revisions (CR-311) PR 20214 (1599) 88.5 Equipment Rental for ES-3 Shutdown (CR-312) PR 20214 88.6 Removal of Unknown Ductbank near South Influent Interceptor (CR-313) PR 20214 (1599)	A B B A B B	\$8,337.79 \$5,249.47 \$1,471.66 \$3,556.22 \$2,423.20 \$3,460.80	\$24,499.14	\$3,556,298.96	\$3,580,798.10	4.1%	\$91,060,248.10	0 0 0 0 0 0	167	167	1,261	1/15/2013

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

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89	Approved by Exe. Director of Engineering and Planning Approved on February 6, 2013			\$23,272.79	\$3,580,798.10	\$3,604,070.89	4.1%	\$91,083,520.89	0	167	167	1,261	1/15/2013
89.1	Installation of Ultraviolet (UV) Light Shields at UV Facility (CR-208) PR 30214 (1706)	A	\$8,607.30						0				
89.2	Odor Control Drains to Primary Sedimentation Tanks Effluent Channels (CR-216) PR 20214 (1599)	C	\$1,085.54						0				
89.3	Addition of Standby Sodium Hypochlorite Injection Point (CR-228) PR 20214 (1599)	A	\$2,652.29						0				
89.4	Relocate conduit for Groundwater Well No. 140, North of Primary Sedimentation Tanks (CR-315) PR 20214 (1599)	B	\$1,678.49						0				
89.5	Miscellaneous Modifications at High Rate Clarifier (CR-299) PR 20124 (1599)	B	\$5,014.13						0				
89.6	Miscellaneous Modifications (CR-300) PR 20124 (1599)	B	\$4,235.04						0				
90	Approved by Board of Directors Approved on March 25, 2013			\$410,000.00	\$3,604,070.89	\$4,014,070.89	4.6%	\$91,493,520.89	197	167	364	1,458	7/31/2013
90.1	Project Related Field Office Overhead PR 20214 (1599), 30214 (1706), 20542 (1150), 30542 (1118)	B	\$410,000.00						197				
91	Approved by Exe. Director of Engineering and Planning Approved on March 28, 2013			\$24,948.94	\$4,014,070.89	\$4,039,019.83	4.6%	\$91,518,469.83	0	364	364	1,458	7/31/2013
91.1	Installation of Medium Voltage Switchgear Kirk Keys (CR-182) (PR 20214 (1599), 30214 (1706))	C	\$4,341.69						0				
91.2	Additional Lights, Emergency Lights, and Exit Lights at Various Locations (CR-194) PR 20214 (1599)	A	\$20,607.25						0				
92	Approved by Exe. Director of Engineering and Planning Approved on March 28, 2013			\$49,044.94	\$4,039,019.83	\$4,088,064.77	4.7%	\$91,567,514.77	0	364	364	1,458	7/31/2013
92.1	Modifications to High Rate Clarifier (HRC) and ES-3 Valve Controls (CR-91) PR 30214 (1706)	A	\$18,782.41						0				
92.2	Field Modifications at MSP-2 Circuit Breaker 10 (CR-157) PR	A	\$12,395.07						0				
92.3	Additional Lights at HRC and Existing Primary Sludge Room (CR-256) PR 20214 (1599) and PR 30214 (1706)	A	\$17,867.46						0				
93	Approved by Exe. Director of Engineering and Planning Approved on April 23, 2013			\$23,546.00	\$4,088,064.77	\$4,111,610.77	4.7%	\$91,591,060.77	0	364	364	1,458	7/31/2013
93.1	Electrical Modifications at Headworks Building, MBR Pump Room, and Blower Room (CR-309) PR 20214 (1599)	A	\$23,546.00						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

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94	Approved by Exe. Director of Engineering and Planning Approved on April 24, 2013			\$22,281.00	\$4,111,610.77	\$4,133,891.77	4.7%	\$91,613,341.77	0	364	364	1,458	7/31/2013
94.1	Headworks Tipping Trough Electrical Modifications (CR-092) PR 20214 (1599)	A	\$3,044.00						0				
94.2	Power to roll-up doors at Membrane Bioreactors and High Rate Clarifier (CR-141) PR 20124 (1599), 30214 (1706)	C	\$2,453.00						0				
94.3	Addition of Safety Ramps at Ultraviolet Disinfection Facility (CR-258) PR 30214 (1706)	A	\$716.00						0				
94.4	Cabinet Pad at Ultraviolet Disinfection Facility (CR-262) PR 30214 (1706)	A	\$1,224.00						0				
94.5	High Rate Clarifier Reclaimed Water Line Extension (CR-284) PR 30214 (1706)	A	\$11,243.00						0				
94.6	Addition of Air Vacuum Valve at Membrane Bioreactor Back Pulse Pump (CR-307) PR 20214 (1599)	B	\$669.00						0				
94.7	Repair of 6-Inch Groundwater Line, east of Chlorine Contact Tank and 3" Potable Water Line at Filters (CR-319) PR 20214 (1599), 30214 (1706)	C	\$1,032.00						0				
94.8	Electrical Rewiring of Membrane Bioreactors Fine Screens (CR-323) PR 20214 (1599)	C	\$1,900.00						0				
95	Approved by Board of Directors Approved on May 27, 2013			\$370,963.00	\$4,133,891.77	\$4,504,854.77	5.1%	\$91,984,304.77	92	364	456	1,550	10/31/2013
95.1	8-inch Reclaimed Water Line Lateral for Biosolids (CR-221) PR 20847 (1617)	D	\$81,600.00						0				
95.2	MWRP Security Fence Improvements (CR-288) PR 20124 (1599), 30214 (1706)	A	\$289,363.00						0				
95.3	Deletion of one water quality sampler (CR-062) PR 20124 (1599), Deletion of demolition of existing and abandoned 30-inch sewer (CR-224) PR 20124 (1599), and Use of Schedule 10 stainless steel in lieu of Schedule 40 for low pressure air at membrane bioreactors (CR-225) PR 20124 (1599)	A	(\$34,390.00)						0				
95.4	Premium offset for Builder's Risk insurance through October 31, 2013	A	\$34,390.00						0				
95.5	Time Extension related to sequencing of CCO No. 74 - MPS-1 Building Demolition and Existing Primary Sedimentation Motor Control Center Electrical Relocation	A	\$0.00						92				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

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96	Approved by Exe. Director of Engineering and Water Quality Approved on August 19, 2013			\$23,975.88	\$4,504,854.77	\$4,528,830.65	5.2%	\$92,008,280.65	0	456	456	1,550	10/31/2013
96.1	Install 2" flush out assembly per W-13 at end of 4" DW s/o MBR (CR-241) PR 20214 (1599)	A	\$1,528.33						0				
96.2	6-Inch GW Potholing and Concrete Cap (CR-318) PR 20214 (1599)	B	\$7,675.03						0				
96.3	Relocation of UVT and Conductivity Analyzer at UV Structure (CR-328) PR 30214 (1706)	A	\$4,036.26						0				
96.4	Removal of Baffles at Existing PSTs (CR-329) PR 20214 (1599)	A	\$5,405.51						0				
96.5	Blower Room Piping Modifications (CR-335) PR 20214	A	\$5,330.75						0				
97	Approved by Exe. Director of Engineering and Water Quality Approved on October 24, 2013			\$24,999.85	\$4,528,830.65	\$4,553,830.50	5.2%	\$92,033,280.50	0	456	456	1,550	10/31/2013
97.1	New Potable Water Service Line to Existing MWRP Generator Radiators at Headworks (CR-265) PR 20214	D	\$2,562.54						0				
97.2	Removal of Baffles at Existing PSTs (CR-329) PR 20214 (1599)	C	\$5,405.51						0				
97.3	Addition of Master Solenoid Valve for MBR Fine Screens Water Supply (CR-331) PR 20214 (1599)	A	\$5,943.97						0				
97.4	Provide Spent Backwash Turbidity Meter (CR-336) PR 30214 (1706)	C	\$7,099.69						0				
97.5	New Rotameter at Membrane Bioreactor (MBR) Fine Screens (CR-337) PR 20214 (1599)	C	\$1,801.35						0				
97.6	Removal of steel plates at the existing filters (CR-342) PR 30214 (1706)	C	\$2,186.79						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

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98	Approved by Exe. Director of Engineering and Water Quality Approved on November 1, 2013			\$13,773.34	\$4,553,830.50	\$4,567,603.84	5.2%	\$92,047,053.84	0	456	456	1,550	10/31/2013
98.1	Seal Exterior Insulation Finishing System (EIFS) of High Rate Clarifier (CR-326) PR 20214 (1599)	A	\$873.28						0				
98.2	Install 2-in Air/Vacuum Valve on High Rate Clarifier Residual Pump Discharge pipe (CR-343) PR 20214 (1599)	C	\$3,231.39						0				
98.3	Install Drain Lines at Primary Sedimentation Tank Pump Room Deck (CR-345) PR 20214 (1599)	A	\$4,938.08						0				
98.4	Install Additional Manhole at South Influent Sewer (CR-346) PR 20214 (1599)	A	\$1,353.23						0				
98.5	Modifications to the Flow Switches at the Primary Sedimentation Tank Sludge Room (CR-214) PR 20214(1599)	A	\$3,798.53						0				
98.6	Removal of Baffles at Existing PSTs (CR-329) PR 20214 (1599) - Credit	C	(\$5,405.51)						0				
98.7	Re-route 1-Inch Conduit from MPS-2 Pump Station to Chlorine Contact Tank (CR-261) PR 20214 (1599)	C	\$3,188.92						0				
98.8	Ultrasonic Flowmeter at Existing Aeration Basins (CR-352) PR 20214 (1599)	C	\$1,795.42						0				
98.9	Non-compensatory item - Repair Leaks in the Existing Primary Sludge Room in Lieu of Filling 100-feet of Abandoned South Influent Sewer as part of CCO-095 with	A	\$0.00						0				
99	Approved by Exe. Director of Engineering and Water Quality Approved on December 3, 2013			\$23,877.70	\$4,567,603.84	\$4,591,481.54	5.2%	\$92,070,931.54	0	456	456	1,550	10/31/2013
99.1	Area 200 Headworks Modifications (CR-290) PR 20214	A	\$13,360.87						0				
99.2	Remove and replace 12"x12" Slide Gate in Spent Backwash (CR-341) PR 20214 (1599)	A	\$10,516.83						0				
100	Approved by Exe. Director of Engineering and Water Quality Approved on December 5, 2013			\$24,516.80	\$4,591,481.54	\$4,615,998.34	5.3%	\$92,095,448.34	0	456	456	1,550	10/31/2013
100.1	Provide Modulating Butterfly Valves with AUMA Actuators on FEB discharge to Activated Sludge PR 20214 (1599) (CR-347)	C	\$24,516.80						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

Contractor: J R Filanc Construction
Design Engineer HDR

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
Change Order	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Orders	Cum. Total C.O. days	Revised Total Contract Days	Revised Completion Date
101	Approved by Acting GM Approved on January 2, 2014			\$49,268.74	\$4,615,998.34	\$4,665,267.08	5.3%	\$92,144,717.08	0	456	456	1,550	10/31/2013
101.1	Install Oil Sample Tubes at the Membrane Bioreactors (CR-308) PR 20214 (1599)	A	\$7,733.82						0				
101.2	Drill and tap discharge risers and install 1" x 1/2" PVC bushings for anti-siphon at MBR Fine Screens (CR-340) PR	C	\$489.78						0				
101.3	Remove existing 6-inch primary sludge pipe in the primary sludge pump room (CR-344) PR 20214 (1599)	C	\$2,019.68						0				
101.4	Demolish existing equipment pads in former chlorine room (CR-350) PR 20214 (1599)	A	\$8,212.27						0				
101.5	Groundwater Pump No. 9 Conduit Re-routing (CR-351) PR 20214 (1599)	B	\$12,633.62						0				
101.6	Relocate existing 4-inch potable water (CR-356) PR 20214 (1599)	B	\$1,908.00						0				
101.7	Modify Handrail at spent back wash tank (CR-358) PR 20214 (1599)	A	\$2,716.25						0				
101.8	Install additional hose bibs in headworks load-out room (CR-361) PR 20214 (1599)	A	\$2,709.59						0				
101.9	Install additional solenoid valves at mixed liquor pump station and storm water pump station (CR-333) PR 20214 (1599)	A	\$10,845.73						0				
102	Approved by Exe. Director of Engineering and Planning Approved on January 7, 2014			\$24,985.22	\$4,665,267.08	\$4,690,252.30	5.4%	\$92,169,702.30	0	456	456	1,550	10/31/2013
102.1	Additional pressure switches at Permeate and Backpulse Pumps (CR-355) PR 20214 (1599)	A	\$8,305.92						0				
102.2	Access Ramp to South Junction Structure for Vector Trucks (CR-333) PR 20214 (1599)	B	\$3,461.31						0				
102.3	Miscellaneous Work Time and Materials (CR-364) PR 20214 (1599)	A	\$13,217.99						0				
103	Approved by Exe. Director of Engineering and Planning Approved on January 21, 2014			\$0.00	\$4,690,252.30	\$4,690,252.30	5.4%	\$92,169,702.30	225	456	681	1,775	6/13/2014
103.1	Non-compensatory Time Extension of 12.5 Days per Jan 2, 2014 agreement	A	\$0.00						225				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
Construction Summary**

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			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
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104	Approved by Board of Directors Approved on January 27, 2014			\$242,461.11	\$4,690,252.30	\$4,932,713.41	5.6%	\$92,412,163.41	0	681	681	1,775	6/13/2014
104.1	Riparian View Modifications (CR-83A) PR 20542 (1150), 30542 (1118)	A	\$189,182.30						0				
104.2	Recycled Water Modifications (CR-227) PR 30214 (1706)	A	\$53,278.81						0				
105	Approved by Exe. Director of Engineering and Planning Approved on March 3, 2014			\$24,788.21	\$4,932,713.41	\$4,957,501.62	5.7%	\$92,436,951.62	0	681	681	1,775	6/13/2014
105.1	Control Chlorine Residual Sample Pump Relocation (CR-282) PR 30542 (1706) Task 3520	A	\$4,793.22						0				
105.2	Membrane Bioreactor LCP-2100/2200 Pump Alarm Modifications per RFI 550 (CR-334) PR 20214 (1599) Task	C	\$1,483.82						0				
105.3	Pothole, Excavate & Reroute utilities to construct the Magnesium Hydroxide Facility (CR-365) PR 20214 (1599)	B	\$7,060.00						0				
105.4	MBR Mixed Liquor Wet Well Float Relocation (CR-366) PR 20214 (1599) Task 3520	B	\$11,451.17						0				
106	Approved by Exe. Director of Engineering and Planning Approved on March 14, 2014			\$23,306.03	\$4,957,501.62	\$4,980,807.65	5.7%	\$92,460,257.65	0	681	681	1,775	6/13/2014
106.1	MBR Communication Modifications (CR-324) PR 20214 (1599) Task 3510	A	\$1,094.48						0				
106.2	Install Time Delay Relays for Headworks Screen Local Control Panels (CR-327) PR 20214 (1599) Task 3510	A	\$978.76						0				
106.3	Air Scour Flow Meter Modifications per RFI 551 (CR-332) PR 20214 (1599) Task 3520	A	\$791.01						0				
106.4	Chemical Containment Curb at MBR Sodium Hypochlorite Tank (CR-353) PR 20214 (1599) Task 3505	A	\$2,878.52						0				
106.5	Corrosion Protection Modifications at PEPS (CR-354) PR 20214 (1599) Task 3520	B	\$4,305.49						0				
106.6	Add Three Stainless Steel Ball Valves to Magnesium Hydroxide Pump Discharge Lines and Hose Connections (CR-367) PR 20214 (1599) Task 3520	A	\$803.42						0				
106.7	Install Gutter and Diverters at MBR Roof (CR-368) PR 20214 (1599) Task 3505	A	\$12,454.35						0				
107	Approved by Exe. Dir of Eng and Water Quality Approved on March 27, 2014			\$41,774.78	\$4,980,807.65	\$5,022,582.43	5.7%	\$92,502,032.43	0	681	681	1,775	6/13/2014
107.1	30-Inch Permeate/30-Inch Filter Effluent Intertie Modifications (CR-370) PR 30214 (1706) Task 3520	A	\$41,774.78						0				
108	Approved by Exe. Director of Engineering and Planning Approved on April 28, 2014			\$20,255.57	\$5,022,582.43	\$5,042,838.00	5.8%	\$92,522,288.00	0	681	681	1,775	6/13/2014
108.1	Install Isolation Valves on MBR Permeate Pump Suction Line (CR-296) PR 20214 (1599) Task 3520	C	\$2,853.30						0				
108.2	Install Orifice Plates for the MBR Mixed Liquor Pumps (CR-349) PR 20214 (1599) Task 3520	C	\$4,753.68						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
PR 20214 (1599), 20542 (1706), 30214 (1150), and 30542 (1118)
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Design Engineer HDR

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			Original Contract Amount: \$ 87,479,450.00						Original Days: 1,094				8/1/2012
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	108.3 Davit Crane Modifications at CCT (CR-357) PR 20214 (1599) Task 3520	A	\$3,157.88						0				
	108.4 Install Flange X PE spools on MBR Cassette Grating for mounting LITs and Floats (CR-373) PR 20214 (1599) Task	A	\$9,490.71						0				
109	Approved by Exe. Director of Engineering and Planning Approved on July 14, 2014			\$24,290.82	\$5,042,838.00	\$5,067,128.82	5.8%	\$92,546,578.82	0	681	681	1,775	6/13/2014
	109.1 Install Temp. 21-in PVC temp UV Bypass for UV validation (CR-384) PR 20214 Task 3235	A	\$24,290.82						0				
110	Approved by Exe. Director of Engineering and Planning Approved on July 31, 2014			\$24,757.37	\$5,067,128.82	\$5,091,886.19	5.8%	\$92,571,336.19	0	681	681	1,775	6/13/2014
	110.1 Miscellaneous Time and Materials Items (CR-266, CR-371 and CR-376) PR 20214 (1599) Task 3540	B	\$24,757.37						0				
111	Approved by Exe. Director of Engineering and Planning Approved on August 8, 2014			\$24,993.97	\$5,091,886.19	\$5,116,880.16	5.8%	\$92,596,330.16	0	681	681	1,775	6/13/2014
	111.1 Additional Gates and Termination Posts for Fencing Along Riparian View (CR-374) PR 20214 (1599) Task 3505	A	\$9,117.05						0				
	111.2 Ferric Chloride Relocation (CR-377) PR 20214 (1599) Task 3520	A	\$9,048.40						0				
	111.3 Replace Headworks Screen Panel (CR-379) PR 20214 (1599) Task 3520	B	\$2,189.55						0				
	111.4 Miscellaneous Time and Materials Items (CR-397) PR 20214 (1599) Task 3520	B	\$4,638.97						0				
112	Approved by General Manager Approved on August 12, 2014			\$49,495.35	\$5,116,880.16	\$5,166,375.51	5.9%	\$92,645,825.51	0	681	681	1,775	6/13/2014
	112.1 Modifications to Ultraviolet Diffuser Line (CR-248) PR 20214 (1599) Task 3520	A	\$3,777.59						0				
	112.2 Modifications at Flow Equalization Basins (CR-251) PR 20214 (1599) Task 3520	A	\$4,820.67						0				
	112.3 Potable Water to Secondary Clarifier RAS Pumps (CR-254) PR 20214 (1599) Task 3520	A	\$3,104.81						0				
	112.4 Methanol Tank Modifications (CR-289) PR 20214 (1599) Task 3520	A	\$15,743.50						0				
	112.5 Retaining Wall near the Stormwater Pump Station (CR-317) PR 20214 (1599) Task 3520	C	\$1,582.83						0				
	112.6 Re-setting Risers of Two Pullboxes (CR-348) PR 20214 (1599) Task 3510	C	\$1,056.00						0				
	112.7 Install New Indicating Light Transmitter Mounting Brackets at MBR Fine Screens (CR-369) PR 20214 (1599) Task 3510	A	\$5,397.64						0				
	112.8 Install New Flow Indicating Transmitter Box at South Interceptor (CR-378) PR 20214 (1599) Task 3510	A	\$1,586.56						0				
	112.9 Provide Fuses for MPS-2 Pump 160 (CR-380) PR 20214 (1599) Task 3510	A	\$5,779.54						0				

**MWRP Phase 2 Expansion and Flood Protection Improvements
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	112.10 Miscellaneous Time and Materials Items (CR-401) PR 20214 (1599) Task 3520	A	\$6,646.21						0				
113	Approved by Exe. Director of Engineering & Water Quality Approved on August 12, 2014			\$24,174.12	\$5,166,375.51	\$5,190,549.63	5.9%	\$92,669,999.63	0	681	681	1,775	6/13/2014
	113.1 Alum Feed Piping to High Rate Clarifier (CR-280) PR 20214	A	\$9,837.59						0				
	113.2 Additional membrane Bioreactor Roof Gutter Drain Piping (CR-383) PR 20214 (1599) Task 3520	A	\$10,626.22						0				
	113.3 Modifications to Sump Pumping in Existing Electrical Vaults, South of Blower Bldg. (CR-399) PR 20214 (1599) Task 3520	A	\$3,710.31						0				
114	Approved by Exe. Director of Engineering & Water Quality Approved on September 30, 2014			\$61,612.52	\$5,190,549.63	\$5,252,162.15	6.0%	\$92,731,612.15	0	681	681	1,775	6/13/2014
	114.1 Modifications to chlorination locations and sampling locations at the UV Facility (CR-247) PR 20214 (1599) Task 3245	A	\$1,651.95						0				
	114.2 Miscellaneous Electrical-Related Work Items (CR-409) PR 20214 (1599) Task 3510	A	\$56,969.71						0				
	114.3 Headworks Building Retaining Wall (CR-310) PR 20214 (1599) Task 3505	B	\$2,990.86						0				
115	Pending Approval by Board of Directors Pending Approval on October 20, 2014			\$3,311,389.25	\$5,252,162.15	\$5,907,162.15	6.8%	\$93,386,612.15	0	681	681	1,775	6/13/2014
	115.1 Modifications to curb, paving, and hardscape at MWRP. (CR-288 and CR-390) PR 30214 (1706) Task 3505	A	\$655,000.00						0				

A - District Convenience/Initiation - Project Related	\$ 2,656,389.25	3.0%
B - Differing Site Conditions	\$ 262,528.26	0.3%
C - Design Oversight	\$ 397,349.41	0.5%
D - District Convenience/Initiation - Non-Project Related	\$ 2,590,895.23	3.0%
TOTAL (A + B + C + D)	\$ 5,907,162.15	6.8%
TOTAL (A+B+C - (CCO No. 8 - SCADA))	\$ 4,452,087.67	5.1%