

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

August 24, 2020

Due to COVID-19, this meeting will be conducted as a teleconference pursuant to the provisions of the Governor's Executive Orders N-25-20 and N-29-20, which suspend certain requirements of the Ralph M. Brown Act. Members of the public may not attend this meeting in person.

Participation by members of the Board of Directors will be from remote locations. Public access and participation will only be available telephonically/electronically.

To virtually attend the meeting and to be able to view any presentations or additional materials provided at the meeting, please join online via Webex using the link and information below:

Via Web:

<https://irwd.my.webex.com/irwd.my/j.php?MTID=m1c586953103c0cb1cc673c9a6fce2469>

Meeting Number (Access Code): 142 632 1287

Meeting Password: GYrbEMca278 (49723622 from phones and video systems)

After joining the meeting, in order to ensure all persons can participate and observe the meeting, please select the "Call in" option and use a telephone to access the audio for the meeting by using the call-in information and attendee identification number provided.

As courtesy to the other participants, please mute your phone when you are not speaking.

PLEASE NOTE: Participants joining the meeting will be placed into the WebEx lobby when the Board enters closed session. Participants who remain in the "lobby" will automatically be returned to the open session of the Board once the closed session has concluded. Participants who join the meeting while the Board is in closed session will receive a notice that the meeting has been locked. They will be able to join the meeting once the closed session has concluded.

CALL TO ORDER 5:00 p.m.

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

PUBLIC COMMENT NOTICE

If you wish to address the Board of Directors on any item, please submit a request to speak via the "chat" feature available when joining the meeting virtually. Remarks are limited to three minutes per speaker on each subject. You may also submit a public comment in advance of the meeting by emailing comments@irwd.com before 12:00 p.m. on Monday, August 24, 2020.

ALL VOTES SHALL BE TAKEN BY A ROLL CALL VOTE.

COMMUNICATIONS TO THE BOARD

1. A. Written:

B. Oral:

2. ITEMS RECEIVED TOO LATE TO BE AGENDIZED

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

CONSENT CALENDAR

Items 3-9

3. BOARD MEETING MINUTES

Recommendation: That the minutes of the August 10, 2020 Regular Board meeting be approved as presented.

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

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

5. JULY 2020 TREASURY REPORT

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report, the Summary of Fixed and Variable Rate Debt, and Disclosure Report of Reimbursements to Board members and staff, approve the July 2020 Summary of Payroll ACH payments in the total amount of \$39,211,304, and approve the July 2020 accounts payable Disbursement Summary of warrants 409798 through 410387, Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$39,211,304.

6. NOMINATION OF MARY AILEEN MATHEIS AS THE THIRD VICE PRESIDENT OF ISDOC AND A MEMBER OF THE ISDOC EXECUTIVE COMMITTEE

Recommendation: That the Board adopt a resolution by title nominating Director Mary Aileen Matheis to serve on the Independent Special Districts of Orange County Executive Committee for the 2021-22 term in the role of Third Vice President.

Reso. No. 2020-

CONSENT CALENDAR - Continued

Items 3-9

7. SAND CANYON PROFESSIONAL CENTER PHASE II OFFICE BUILDING
FINAL ACCEPTANCE

Recommendation: That the Board accept construction of the Sand Canyon Professional Center Phase II, Project 06210, authorize the General Manager to file a Notice of Completion, and authorize the release of retention 35 days after filing of the Notice of Completion.

8. LAKE FOREST ZONE C RECYCLED WATER PIPELINE IN VISTA
TERRACE AND ZONE B TO C PUMP STATION PIPING IMPROVEMENTS
CONSTRUCTION AWARD

Recommendation: That the Board authorize the General Manager to execute a construction contract with Paulus Engineering, Inc. in the amount of \$599,168 for the Lake Forest Zone C Recycled Water Pipeline in Vista Terrace and Zone B to C Pump Station Piping Improvements, Project 11236.

9. FACILITIES SYSTEMS REPLACEMENT PROJECTS CONSTRUCTION
AWARD AND BUDGET INCREASE

Recommendation: That the Board authorize a budget increase for Projects 11160 and 11161 in the amount of \$200,000 each, from \$200,000 to \$400,000, and for Project 11163 in the amount of \$100,000, from \$100,000 to \$200,000 for a total of \$500,000, and authorize the General Manager to execute a contract with Pivot Interiors, Inc. in the amount of \$463,755 for the Facilities Systems Replacement Projects contract and budget increase.

ACTION CALENDAR

10. ENTERPRISE ASSET MANAGEMENT MAXIMO MOBILE SOLUTION
IMPLEMENTATION

Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with Interpro Solutions for the Maximo Mobile Solution in the amount of \$292,600 and approve the addition of Projects 11679 and 11680, each in the amount of \$240,300 for a total of \$480,600, to the FY 2020-21 Capital Budget for the Maximo Mobile Implementation Project.

ACTION CALENDAR - Continued

11. ZONE A TO RATTLESNAKE RESERVOIR PUMP STATION BUDGET INCREASE, CONSULTANT SELECTION, AND CONSTRUCTION AWARD

Recommendation: That the Board authorize a budget increase in the amount of \$4,480,375.80, from \$17,527,624.20 to \$22,008,000; authorize the General Manager to execute a Professional Services Agreement with Brown and Caldwell in the amount of \$871,000 for engineering support services during construction; and authorize the General Manager to execute a construction contract with Pacific Hydrotech Corporation in the amount of \$16,287,766.45 for the Zone A to Rattlesnake Reservoir Pump Station, Project 05476.

OTHER BUSINESS

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

- 12. General Manager's Report
- 13. Directors' Comments
- 14. Receive oral update(s) from District liaison(s) regarding communities within IRWD's service area and provide information on relevant community events.
- 15. CLOSED SESSION CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION, (Gov. Code § 54956.9(d)(4)) – one case.
- 16. Open Session
- 17. 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 above-named Board in connection with a matter subject to discussion or consideration at an open meeting of the Board 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 electronically via the Webex meeting noted. Upon request, the District will provide for written agenda materials in appropriate alternative formats, and reasonable disability-related modification or accommodation to enable individuals with disabilities to participate in and provide comments at public meetings. Please submit a request, including your name, phone number and/or email address, and a description of the modification, accommodation, or alternative format requested at least two days before the meeting. Requests should be emailed to comments@irwd.com. Requests made by mail must be received at least two days before the meeting. Requests will be granted whenever possible and resolved in favor of accessibility.

August 24, 2020
Prepared and
submitted by: L. Bonkowski
Approved by: Paul A. Cook *PA*

CONSENT CALENDAR

BOARD MEETING MINUTES

SUMMARY:

Provided are the minutes of the August 10, 2020 Regular Board meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE AUGUST 10, 2020 REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – August 10, 2020 Minutes

Note: This page is intentionally left blank.

EXHIBIT "A"

MINUTES OF REGULAR MEETING – August 10, 2020

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President Matheis on August 10, 2020 via teleconference pursuant to the provisions of the Governor's Executive Orders N-25-20 and N-29-20 due to COVID-19. Members of the public did not attend this meeting in person.

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

Directors Absent: None.

Also Present: General Manager Cook, Executive Director of Technical Services Burton, Executive Director of Water Policy Weghorst, Executive Director of Finance and Administration Clary, Director of Treasury and Risk Management Jacobson, Executive Director of Operations Chambers, General Counsel Collins, Director of Public Affairs Beeman, Director of Human Resources Roney, Director of Water Quality and Regulatory Compliance Colston, Director of Recycling Operations Zepeda, Director of Maintenance Mykitta, Director of Administrative Services Malone, Director of Water Resources Sanchez, Government Relations Officer/Deputy General Counsel Compton, Secretary Bonkowski, Mr. Bruce Newell, Mr. Dean Kirk, and members of staff and the public.

WRITTEN: None.

ORAL COMMUNICATIONS: None

CONSENT CALENDAR

On MOTION by Withers, seconded by Swan, and unanimously carried by a roll call vote (5-0) Withers, Matheis, Reinhart, Swan, and LaMar voting aye, and 0 noes, CONSENT CALENDAR ITEMS 3 THROUGH 7 WERE APPROVED AS FOLLOWS:

3. BOARD MEETING MINUTES

Recommendation: That the minutes of the July 13, 2020 Regular Board meeting be approved as presented.

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

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

5. IRWD STRATEGIC MEASURES

Recommendation: Receive and file.

6. INCREASE IN LIMIT FOR CAPITALIZATION OF ASSETS

Recommendation: That the Board increase the capitalization amount of capital assets from \$2,500 to \$10,000, effective July 1, 2020.

EXHIBIT "A"

CONSENT CALENDAR (Continued)

7. JUNE 2020 TREASURY REPORT

Recommendation: That the Board receive and file the Treasurer's Investment Summary Report, the Summary of Fixed and Variable Rate Debt, and Disclosure Report of Reimbursements to Board members and staff, approve the June 2020 Summary of Payroll ACH payments in the total amount of \$2,099,235, and approve the June 2020 accounts payable Disbursement Summary of warrants 408859 through 409797, Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$45,217,395.

ACTION CALENDAR

2020 LEGISLATIVE AND REGULATORY UPDATE

Government Relations Officer/Deputy General Counsel Compton reported on the 2019-2020 legislative session, regulatory issues, and IRWD priorities. Ms. Compton said that Policy committees now have until August 14 to hear bills in the Assembly and August 15 to hear bills in the Senate. Fiscal committees in both houses will have until August 21 to meet and report bills to the floor. The last day for each house to pass bills without an urgency clause this legislative year is August 31, which is the day the Final Recess begins.

Ms. Compton reviewed the economic recovery plan noting that the economic stimulus plan proposes to raise \$100 billion for the State by issuing future tax vouchers, securitizing current revenue streams, accelerating general obligation bonds, and borrowing from the federal government. She then reviewed three policies, including 1) Support for Small Business; 2) Protections for Working Families; and 3) Investments in Our Green Economy.

Ms. Compton further reviewed the 2020 State Legislative update including SB 414 (Caballero, D-Salinas) – Small System Water Authority Act of 2019; SB 1099 (Dodd, D-Napa/Glazer, D-Orinda) – Emergency Backup Generators; SB 1386 (Moorlach) – Local Government – Water Assessments, Fees and Charges; and State-proposed COVID-19 related legislation.

Following discussion with the Board and staff, this item was received and filed without action.

2020 VAULT REHABILITATIONS CONSTRUCTION AWARD

This project includes the rehabilitation of 11 vaults located within Irvine Boulevard and Modjeska in the Great Park Neighborhoods development and within Culver Drive in the Orchard Hills development in Irvine. In response to Director Swan's inquiry, Executive Director of Technical Services Burton said that the contractor, Ferreira Construction Co., Inc. would stand behind its bid which is much lower than the engineer's estimate. He said that Ferreira has previously worked for IRWD and performed well on a recently completed IRWD project. On MOTION by Reinhart, seconded by LaMar, and unanimously carried by a roll call vote (5-0) Withers, Matheis, Reinhart, Swan, and LaMar voting aye, and 0 noes, **THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH FERREIRA CONSTRUCTION CO., INC. IN THE AMOUNT OF \$652,026 FOR THE 2020 VAULT REHABILITATIONS, PROJECT 10542.**

EXHIBIT "A"

OTHER BUSINESS

GENERAL MANAGER'S REPORT

General Manager Cook reported that relative to the current COVID-19 activity, five employees tested positive since March 2020, and all have recovered and are back to work. Mr. Cook said that the District supplies are holding up, and we are well positioned to continue operations reliably.

Mr. Cook said that as a follow-up to the Engineering and Operations Committee meeting item where a PFAS study prepared by Carollo Engineering was discussed, the District is one of 11 agencies involved, and that staff is exploring if the City of Orange could partner on a joint facility effort. He said that concepts will be worked on, and hopefully within a few months, staff will bring back an item to the Board for discussion if deemed worthwhile.

Mr. Cook said that Ms. Christine Compton was recognized by the California Special Districts Association with the 2020 Ralph Heim Outreach and Advocacy Award, and that IRWD is very proud of her efforts.

Mr. Cook further said that he received sad news of the passing of former OPA Board Director Sonny Bryant, who had contracted COVID-19. He asked that tonight's Board meeting be adjourned in his memory.

DIRECTORS' COMMENTS

Director LaMar reported on his attendance at a virtual ACWA summer conference, a WACO meeting, and ACWA Board and Committee meetings.

Director Swan reported on his attendance at an OCBC Instructure Committee meeting, MWDOC Board and Public Affairs Committee meetings, a Regional Water Quality Control Board hearing on desalination, an ACWA-JPIA Board meeting, and a Southern California Water Coalition meeting. He said that tomorrow he will be attending a two-day CASA virtual conference, and next week an Urban Water Institute virtual conference.

Director Withers complimented staff on item No. 5 and said the Strategic Measures graphics were very well done, and in a clear and simple manner. He further complimented Director LaMar on his efforts during the recent ACWA conference as President of the organization. Mr. Withers reported on his attendance at a Southern California Water Coalition meeting on stormwater, and a WACO meeting. He announced that this Friday is the second virtual OCSD tour if the Board and/or staff has an interest as it is very well done.

Director Reinhart reported that he attended MWDOC and OCWD meetings, an ACWA virtual conference, and a two-day Regional Water Quality Control Board hearing.

Director Matheis reported that she attended her standard meetings, an ACWA conference, a Headwaters tour by the Water Education Foundation, and a WACO meeting.

EXHIBIT "A"

COMMUNITY UPDATES

The District's consultant Bruce Newell reported on a recent Southern California Edison planned outage from 10 p.m. to 4 a.m. He said that as a follow-up to his comments at the last Board meeting, he met with staff at the Modjeska Reservoir, and that staff will have a safety chain installed next week. He further reported on a recent eight-acre fire which did not threaten any residential properties. In response to Director Swan's inquiry, General Manager Cook said that staff will be bringing the reservoir up to capacity.

ADJOURNMENT

President Matheis adjourned the meeting at 5:55 p.m. in memory of Mr. Sonny Bryant, a former Orange Park Acres Mutual Water Company Board member and a good friend to many.

APPROVED and SIGNED this 24th day of August 2020.

President, IRVINE RANCH WATER DISTRICT

Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Claire Hervey Collins, General Counsel
Hanson Bridgett LLP

August 24, 2020
Prepared and
submitted by: K. Swan
Approved by: Paul A. Cook



CONSENT CALENDAR

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

SUMMARY:

Pursuant to Resolution 2006-29 adopted on August 28, 2006, the following events and meetings require approval by the Board of Directors:

Steven LaMar

August 4-6 August 6	Seventh Annual Forecast Informed Reservoir Operations (FIRO) Workshop NWRA Webinar <i>The Evolving Legal World of Water: Judicial rulings, federal regulation and state initiatives</i>
August 13	NWRA Webinar <i>Preserving history and cultural resources: How to do it and still develop water infrastructure</i>
August 19	NWRA Western Water Table Talk Webinar
August 19	Urban Water Institute's Pat Mulroy and Felicia Marcus Informative Discussion
August 19	NWRA Western Water Table Talk Webinar
August 20	NWRA Webinar <i>Water Resources Development Act and Water Infrastructure Development in the 116th Congress</i>
August 27	NWRA Webinar <i>Leading from the top: Two federal water agencies' approach to water management</i>
September 10	NWRA Webinar <i>The fiscal water puzzle: Appropriations or the alphabet soup of finding money</i>
September 17	NWRA Western Water Table Talk Capstone Session: <i>Infrastructure Efforts Moving Forward</i>

Mary Aileen Matheis

August 4-6	Seventh Annual Forecast Informed Reservoir Operations (FIRO) Workshop
August 19	Urban Water Institute's Pat Mulroy and Felicia Marcus Informative Discussion
August 19	OC Water Association's Pure Water Oceanside Webinar
August 26	Update on the IRWD Business Continuation Plan with the General Manager
September 14-16	WaterReuse Symposium

Doug Reinhart

August 19	Urban Water Institute's Pat Mulroy and Felicia Marcus Informative Discussion
August 26	Update on the IRWD Business Continuation Plan with the General Manager
September 14-16	WaterReuse Symposium

Peer Swan

July 14	OC Business Council Infrastructure Committee Meeting
August 6	Southern California Water Coalition Stormwater Matters: Increasing Water Supplies While Reducing Pollution Webinar
August 19	Urban Water Institute's Pat Mulroy and Felicia Marcus Informative Discussion

John Withers

August 6	Southern California Water Coalition Stormwater Matters: Increasing Water Supplies While Reducing Pollution Webinar
September 14-16	WaterReuse Symposium

RECOMMENDATION:

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

LIST OF EXHIBITS:

None.

August 24, 2020

Prepared by: J. Davis / T. Fournier

Submitted by: R. Jacobson / C. Clary

Approved by: Paul A. Cook



CONSENT CALENDAR

JULY 2020 TREASURY REPORT

SUMMARY:

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

- A. The July 2020 Investment Summary Report. This Investment Summary Report conforms with the 2020 Investment Policy and provides sufficient liquidity to meet estimated expenditures during the next six months, as outlined in Exhibit "A";
- B. The Summary of Fixed and Variable Rate Debt as of July 31, 2020, as outlined in Exhibit "B";
- C. The Monthly Interest Rate Swap Summary as of July 31, 2020, as outlined in Exhibit "C";
- D. The July 30, 2020 Disbursement Summary of warrants 409798 through 410387, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$39,211,304, as outlined in Exhibit "D";
- E. The Summary of Payroll ACH payments in the total amount of \$3,176,433, as outlined in Exhibit "E"; and
- F. The Disclosure Report of Reimbursements to Board members and staff for July 2020, detailing payments or reimbursements for individual charges of \$100.00 or more per transaction, as outlined in Exhibit "F".

FISCAL IMPACTS:

As of July 31, 2020, the book value of the investment portfolio was \$329,531,350, with a 1.47% rate of return and a market value of \$333,138,377. Based on IRWD's June 30, 2020 quarterly real estate investment rate of return of 8.76%, the weighted average return for the fixed income and real estate investments was 3.79%.

As of July 31, 2020, the outstanding principal amount of fixed and variable rate debt was \$654,245,000. The monthly weighted average all-in variable rate was 0.42%. Including IRWD's weighted average fixed rate bond issues of 3.69% and the previous month's negative cash accruals from fixed payer interest rate swaps, which hedge a portion of the District's variable rate debt, the total average debt rate was 2.92%.

Payroll ACH payments totaled \$3,176,433, and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for July totaled \$39,211,304.

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 debt reports are submitted to the Finance and Personnel Committee on a monthly basis.

RECOMMENDATION:

THAT THE BOARD RECEIVE AND FILE THE TREASURER'S INVESTMENT SUMMARY REPORT, THE SUMMARY OF FIXED AND VARIABLE RATE DEBT, AND DISCLOSURE REPORT OF REIMBURSEMENTS TO BOARD MEMBERS AND STAFF, APPROVE THE JULY 2020 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$39,211,304, AND APPROVE THE JULY 2020 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 409798 THROUGH 410387, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$39,211,304.

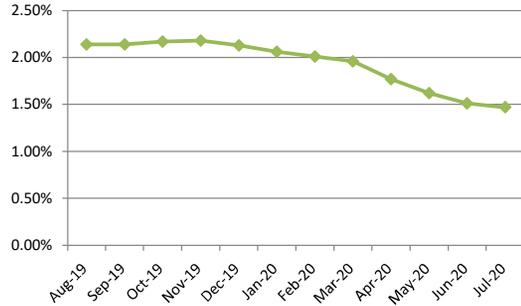
LIST OF EXHIBITS:

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

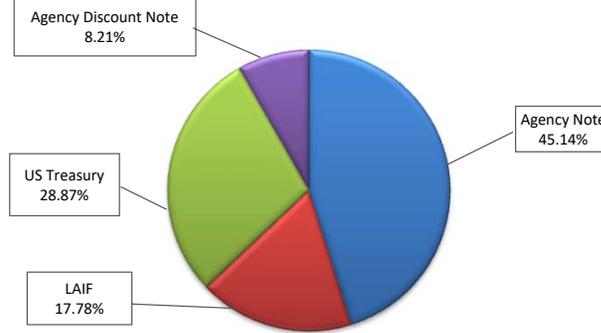
Exhibit "A"

Irvine Ranch Water District Investment Portfolio Summary July 2020

Monthly Fixed Income Yield



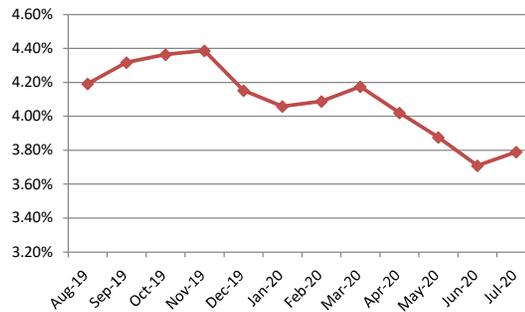
Portfolio Distribution



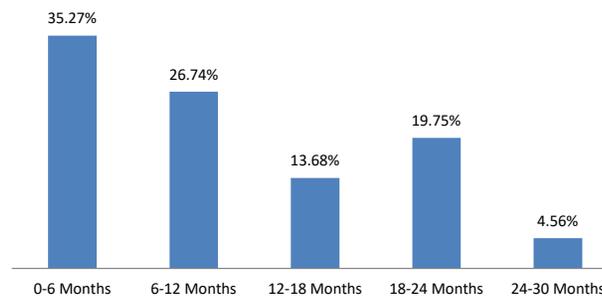
Investment Summary

Type	PAR	Book Value	Market Value
Agency Note	148,550,000	149,002,087	150,531,518
US Treasury	95,000,000	95,074,703	96,830,100
LAIF	58,500,000	58,500,000	58,787,399
Agency Discount Note	27,000,000	26,954,559	26,989,360
Grand Total	329,050,000	329,531,350	333,138,377

**Weighted Average Return
Including Real Estate Portfolio**



Maturity Distribution



Top Issuers

Issuer	PAR	% Portfolio
US Treasury	95,000,000	28.87%
Fed Home Loan Bank	62,000,000	18.84%
State of California Tsy.	58,500,000	17.78%
Fed Farm Credit Bank	55,000,000	16.71%
Fed Home Loan Mortgage Corp	35,000,000	10.64%
Fed Natl Mortgage Assoc	23,550,000	7.16%
Grand Total	329,050,000	100.00%

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

07/31/20

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 7/31/2020	UNREALIZED ⁽²⁾ GAIN/(LOSS)
07/24/20			08/01/20		LAIF	State of California Tsy.	\$58,500,000		0.920%	\$58,500,000.00	\$58,500,000.00	58,787,398.51	287,398.51
09/14/18	NA	NA	08/24/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	2.680%	2.789%	4,989,700.00	4,999,666.34	5,007,400.00	7,733.66
09/14/18	NA	NA	09/04/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	2.690%	2.794%	4,990,050.00	4,999,530.79	5,011,000.00	11,469.21
03/13/20	NA	NA	09/16/20	NR	FHLB - Discount Note	Fed Home Loan Bank	5,000,000	0.480%	0.489%	4,987,533.35	4,991,600.01	4,999,450.00	7,849.99
12/12/17	NA	NA	09/28/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	2.000%	2.000%	5,000,000.00	5,000,000.00	5,014,400.00	14,400.00
10/31/17	NA	NA	10/30/20	Aaa/NR/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,550,000	1.850%	1.850%	5,550,000.00	5,550,000.00	5,573,088.00	23,088.00
03/31/20	NA	NA	10/30/20	NR	FHLB - Discount Note	Fed Home Loan Bank	5,000,000	0.150%	0.153%	4,995,562.50	4,996,833.33	4,998,900.00	2,066.67
09/28/18	NA	NA	10/31/20	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	1.750%	2.847%	4,889,453.13	4,792,073.49	5,019,700.00	227,626.51
03/16/20	NA	NA	11/18/20	NR	FHLB - Discount Note	Fed Home Loan Bank	7,000,000	0.530%	0.540%	6,974,545.28	6,980,831.67	6,998,110.00	17,278.33
11/30/17	NA	NA	11/24/20	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.850%	1.964%	4,983,550.00	4,998,264.45	5,026,800.00	28,535.55
12/20/17	NA	NA	12/28/20	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.875%	2.023%	4,978,400.00	4,995,089.13	5,035,600.00	40,510.87
11/09/18	NA	NA	12/31/20	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	2.375%	2.958%	4,939,843.75	4,988,322.16	5,046,500.00	58,177.84
03/31/20	NA	NA	01/19/21	NR	FHLB - Discount Note	Fed Home Loan Bank	5,000,000	0.200%	0.204%	4,991,833.33	4,993,527.78	4,997,650.00	4,122.22
10/12/18	NA	NA	01/31/21	Aaa/NR/AAA	Treasury - Note	US Treasury	10,000,000	1.375%	2.890%	9,664,843.76	9,927,157.25	10,060,900.00	133,742.75
12/14/18	NA	NA	02/16/21	Aaa/AA+/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	2.375%	2.806%	4,954,750.00	4,987,648.74	5,060,350.00	72,701.26
12/14/18	NA	NA	02/28/21	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	2.000%	2.755%	4,919,515.95	4,977,161.28	5,054,300.00	77,138.72
02/12/19	NA	NA	03/12/21	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	2.500%	2.516%	9,996,500.00	9,998,971.67	10,146,000.00	147,028.33
02/25/19	NA	NA	03/12/21	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	2.375%	2.549%	4,982,700.00	4,994,828.55	5,067,500.00	72,671.45
06/17/19	NA	NA	03/17/21	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.950%	1.938%	5,001,050.00	5,000,374.65	5,056,000.00	55,625.35
02/28/20	NA	NA	04/13/21	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	3,000,000	2.500%	1.185%	3,043,950.00	3,037,411.10	3,048,780.00	11,368.90
06/14/19	NA	NA	04/30/21	Aaa/AA+/AAA	FNMA - Note	Fed Natl Mortgage Assoc	5,000,000	1.750%	1.913%	4,985,000.00	4,994,502.48	5,059,750.00	65,697.52
12/05/19	NA	NA	04/30/21	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	2.250%	1.650%	5,041,406.25	5,021,997.07	5,079,300.00	57,302.93
09/13/19	NA	NA	05/15/21	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	2.625%	1.757%	5,071,093.75	5,033,449.03	5,098,050.00	64,600.97
03/02/20	NA	NA	05/31/21	Aaa/NR/AAA	Treasury - Note	US Treasury	10,000,000	2.125%	1.186%	10,115,711.10	10,100,198.18	10,165,600.00	65,401.82
06/11/20	NA	NA	06/09/21	NR	FHLB - Discount Note	Fed Home Loan Bank	5,000,000	0.190%	0.193%	4,990,420.85	4,991,766.68	4,995,250.00	3,483.32
09/18/19	NA	NA	06/11/21	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	2.250%	1.786%	5,039,300.00	5,019,525.63	5,091,150.00	71,624.37
01/16/20	NA	NA	06/30/21	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	1.125%	1.594%	4,966,406.25	4,978,932.73	5,045,100.00	66,167.27
07/26/19	NA	NA	07/19/21	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.875%	1.927%	4,995,000.00	4,997,569.06	5,082,700.00	85,130.94
08/01/19	NA	NA	08/31/21	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	1.125%	1.816%	4,929,687.50	4,963,504.02	5,053,300.00	89,795.98
10/11/19	NA	NA	10/15/21	Aaa/AA+/NR	Treasury - Note	US Treasury	5,000,000	2.875%	1.540%	5,131,640.63	5,078,805.28	5,164,850.00	86,044.72
10/22/19	NA	NA	10/15/21	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.400%	1.642%	4,976,500.00	4,985,718.23	5,074,150.00	88,431.77
11/05/19	NA	NA	11/15/21	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	2.875%	1.610%	5,125,585.94	5,079,825.88	5,175,200.00	95,374.12
11/08/19	NA	NA	11/30/21	Aaa/AA+/NR	Treasury - Note	US Treasury	5,000,000	1.750%	1.680%	5,007,031.25	5,004,538.10	5,107,250.00	102,711.90
04/23/20	NA	NA	12/20/21	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	1.625%	0.309%	10,217,480.00	10,195,588.45	10,206,400.00	10,811.55
11/25/19	NA	NA	12/31/21	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	2.000%	1.619%	5,039,062.50	5,026,330.26	5,131,850.00	105,519.74
11/25/19	NA	NA	01/13/22	Aaa/NA/NR	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	2.375%	1.635%	5,077,250.00	5,052,490.38	5,160,550.00	108,059.62
03/08/19	NA	NA	01/15/22	Aaa/AA+/NR	Treasury - Note	US Treasury	5,000,000	2.500%	2.460%	5,005,468.75	5,002,786.76	5,171,500.00	168,713.24
12/19/19	NA	NA	01/31/22	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	1.875%	1.641%	5,024,218.75	5,017,147.13	5,130,300.00	113,152.87
03/21/19	NA	NA	02/03/22	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	2.030%	2.361%	4,954,350.00	4,976,044.62	5,139,250.00	163,205.38
12/19/19	NA	NA	02/15/22	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	2.500%	1.652%	5,089,453.13	5,063,830.31	5,181,650.00	117,819.69
03/08/19	NA	NA	03/11/22	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	2.500%	2.549%	5,002,750.00	5,001,468.84	5,185,600.00	184,131.16
12/19/19	NA	NA	03/31/22	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	1.875%	1.645%	5,025,585.94	5,018,644.26	5,144,750.00	126,105.74
02/21/20	NA	NA	04/14/22	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.400%	1.414%	4,998,500.00	4,998,676.25	5,103,050.00	104,373.75
04/23/20	NA	NA	04/21/22	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	1.580%	0.320%	10,250,200.00	10,218,581.32	10,239,100.00	20,518.68
04/27/20	Quarterly	10/27/20	04/27/22	Aaa/NA/NA	FHLMC - Note	Fed Home Loan Mortgage Corp	10,000,000	0.550%	0.550%	10,000,000.00	10,000,000.00	10,002,200.00	2,200.00
05/28/20	One Time	05/26/21	05/26/22	Aaa/NR/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.270%	0.270%	5,000,000.00	5,000,000.00	5,001,750.00	1,750.00
01/15/20	NA	NA	07/15/22	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.600%	1.594%	5,000,750.00	5,000,586.35	5,136,500.00	135,913.65
05/28/20	One Time	05/26/21	08/26/22	Aaa/NR/AAA	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.300%	0.300%	5,000,000.00	5,000,000.00	5,001,650.00	1,650.00
04/24/20	NA	NA	10/21/22	Aaa/NR/NR	FHLMC - Note	Fed Home Loan Mortgage Corp	5,000,000	0.550%	0.555%	5,000,000.00	5,000,000.00	5,000,800.00	800.00

TOTAL INVESTMENTS

\$329,050,000

\$329,393,633.64

\$329,531,349.68

\$333,138,376.51

\$3,607,026.83

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

07/31/20

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 7/31/2020	UNREALIZED ⁽²⁾ GAIN/(LOSS)
					Petty Cash					3,400.00			
					Ck Balance	Bank of America				1,136,349.00			
										<u>\$330,533,382.64</u>			

<p>⁽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</p>	Outstanding Variable Rate Debt	\$259,100,000																	
	Net Outstanding Variable Rate Debt (Less \$60 million fixed-payer swaps)	\$199,100,000																	
	Investment Balance:	\$330,533,383																	
	Investment to Variable Rate Debt Ratio:	166%																	
	Portfolio - Average Number of Days To Maturity	298																	
			<table border="1"> <thead> <tr> <th></th> <th>Investment Portfolio</th> <th>Real Estate⁽³⁾ Portfolio</th> <th>Weighted Avg. Return</th> </tr> </thead> <tbody> <tr> <td>July</td> <td>1.47%</td> <td>8.76%</td> <td>3.79%</td> </tr> <tr> <td>June</td> <td>1.51%</td> <td>8.76%</td> <td>3.71%</td> </tr> <tr> <td>Change</td> <td>-0.04%</td> <td></td> <td>0.08%</td> </tr> </tbody> </table>		Investment Portfolio	Real Estate ⁽³⁾ Portfolio	Weighted Avg. Return	July	1.47%	8.76%	3.79%	June	1.51%	8.76%	3.71%	Change	-0.04%		0.08%
	Investment Portfolio	Real Estate ⁽³⁾ Portfolio	Weighted Avg. Return																
July	1.47%	8.76%	3.79%																
June	1.51%	8.76%	3.71%																
Change	-0.04%		0.08%																
<p>This Investment Summary Report is in conformity with the 2020 Investment Policy and provides sufficient liquidity to meet the next six months estimated expenditures. *S - Step up</p>																			

IRVINE RANCH WATER DISTRICT
SUMMARY OF MATURITIES

07/31/20

DATE	TOTAL	%	LAIF	Agency Notes	Agency Discount Notes	Municipal Bonds	US Treasury
07/20	\$58,500,000	17.78%	\$58,500,000				
08/20	5,000,000	1.52%		5,000,000			
09/20	15,000,000	4.56%		10,000,000	5,000,000		
10/20	15,550,000	4.73%		5,550,000	5,000,000		5,000,000
11/20	12,000,000	3.65%		5,000,000	7,000,000		
12/20	10,000,000	3.04%		5,000,000			5,000,000
01/21	15,000,000	4.56%			5,000,000		10,000,000
02/21	10,000,000	3.04%		5,000,000			5,000,000
03/21	20,000,000	6.08%		20,000,000			
04/21	13,000,000	3.95%		8,000,000			5,000,000
05/21	15,000,000	4.56%					15,000,000
06/21	15,000,000	4.56%		5,000,000	5,000,000		5,000,000
SUB-TOTAL	\$204,050,000	62.01%	\$58,500,000	\$68,550,000	\$27,000,000		\$50,000,000
13 Months - 3 YEARS							
07/01/2021 - 09/30/2021	10,000,000	3.04%		5,000,000			5,000,000
10/01/2021 - 12/31/2022	35,000,000	10.64%		15,000,000			20,000,000
01/01/2022 - 03/31/2022	35,000,000	10.64%		15,000,000			20,000,000
04/01/2022 - 06/30/2022	30,000,000	9.12%		30,000,000			
07/01/2022 +	15,000,000	4.56%		15,000,000			
	-						
	-						
	-						
	-						
TOTALS	\$329,050,000	100.00%	\$58,500,000	\$148,550,000	\$27,000,000		\$95,000,000

% OF PORTFOLIO

17.78%

45.14%

8.21%

28.87%

Irvine Ranch Water District
 Summary of Real Estate - Income Producing Investments
 6/30/2020

	ACQUISITION DATE	PROPERTY TYPE	OWNERSHIP INTEREST	ORIGINAL COST	MARKET VALUE 6/30/2020	ANNUALIZED RATE OF RETURN QUARTER ENDED 6/30/2020
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 43,550,810	\$ 152,340,625	18.54%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	\$ 30,432,947	8.48%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,739,845	\$ 11,964,600	9.65%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,630,577	\$ 9,363,600	7.04%
Sand Canyon Professional Center	Jul-12	Medical Office	Fee Simple	\$ 8,648,594	\$ 11,444,400	9.35%
Total - Income Properties				\$ 72,569,826	\$ 215,546,172	14.54%
OTHER REAL ESTATE						
DESCRIPTION						
Serrano Summit - Promissory Note Partial payment in June	Sep-17	NA	NA	\$ 85,352,804	\$ 85,352,804	4.00%
Total - Income Producing Real Estate Investments				\$ 157,922,630	\$ 300,898,976	8.76%

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT
INVESTMENT ACTIVITY
Jul-20

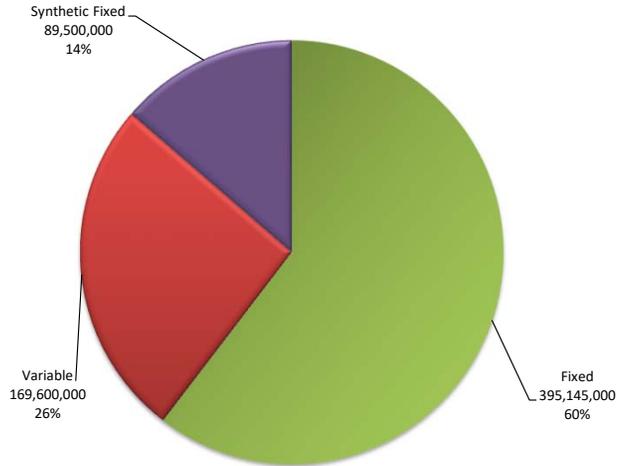
MATURITIES/SALES/CALLS

PURCHASES

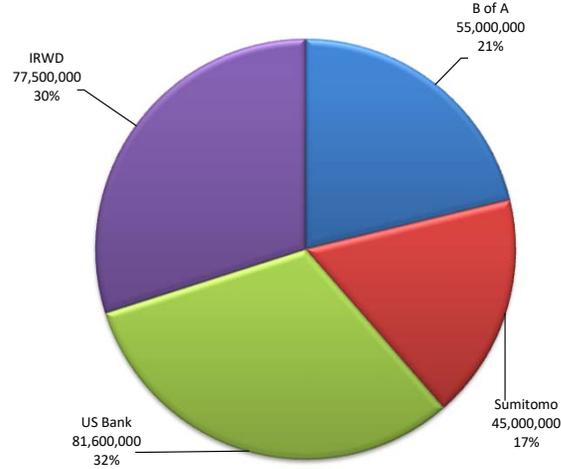
DATE	SECURITY TYPE	PAR	YIELD	Settlement Date	Maturity Date	SECURITY TYPE	PAR	YIELD TO MATURITY
7/10/2020	FHLMC - NOTE	\$5,000,000	1.63%					
7/30/2020	FNMA - NOTE	\$5,000,000	2.54%					
7/30/2020	FNMA - NOTE	\$5,000,000	2.56%					

Exhibit "B"
Irvine Ranch Water District
Summary of Fixed and Variable Rate Debt
July 2020

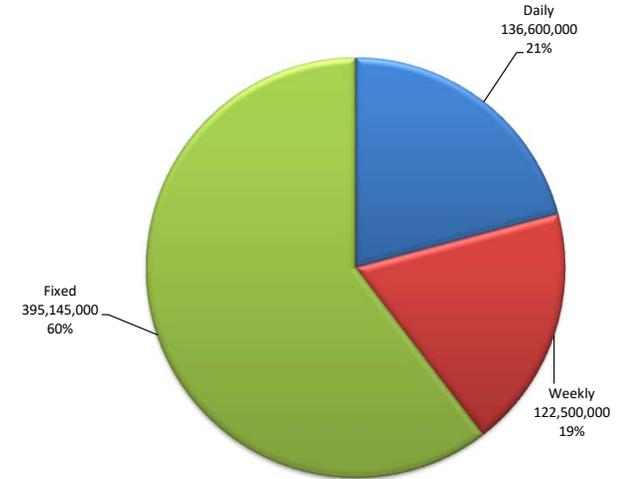
Current Debt Mix By Type



Letters of Credit / Support



Current Debt Rate Reset



Outstanding Par by Series

Series	Issue Date	Maturity Date	Remaining Principal	Percent	Letter of Credit/Support	Rmkt Agent	Mode	Reset
Series 1993	05/19/93	04/01/33	\$26,600,000	4.07%	US Bank	BAML	Variable	Daily
Series 2008-A Refunding	04/24/08	07/01/35	\$45,000,000	6.88%	Sumitomo	BAML	Variable	Weekly
Series 2011-A-1 Refunding	04/15/11	10/01/37	\$46,500,000	7.11%	IRWD	Goldman	Variable	Weekly
Series 2011-A-2 Refunding	04/15/11	10/01/37	\$31,000,000	4.74%	IRWD	Goldman	Variable	Weekly
Series 2009 - A	06/04/09	10/01/41	\$55,000,000	8.41%	US Bank	US Bank	Variable	Daily
Series 2009 - B	06/04/09	10/01/41	\$55,000,000	8.41%	B of A	Goldman	Variable	Daily
2016 COPS	09/01/16	03/01/46	\$116,745,000	17.84%	N/A	N/A	Fixed	Fixed
2010 Build America Taxable Bond	12/16/10	05/01/40	\$175,000,000	26.75%	N/A	N/A	Fixed	Fixed
Series 2016	10/12/16	02/01/46	\$103,400,000	15.80%	N/A	N/A	Fixed	Fixed
Total			\$654,245,000	100.00%				

IRVINE RANCH WATER DISTRICT
SUMMARY OF FIXED & VARIABLE RATE DEBT

July-20

ITN
Daily
Weekly

GENERAL BOND INFORMATION							LETTER OF CREDIT INFORMATION										TRUSTEE INFORMATION				
VARIABLE RATE ISSUES	Issue Date	Maturity Date	Principal Payment Date	Payment Date	Original Par Amount	Remaining Principal	Letter of Credit	Reimbursement Agreement Date	L/C Exp. Date	MOODY'S	S&P	FITCH	LOC Stated Amount	LOC Fee	Annual LOC Cost	Rmkt Agent	Reset	Rmkt Fees	Annual Cost	Trustee	
SERIES 1993	05/19/93	04/01/33	Apr 1	5th Bus. Day	\$38,300,000	\$26,600,000	US BANK	05/07/15	12/15/21	Aa3/VMIG1	AA-/A-1+	N/R	\$26,958,553	0.3300%	\$88,963	BAML	DAILY	0.10%	\$26,600	BANK OF NY	
SERIES 2008-A Refunding	04/24/08	07/01/35	Jul 1	5th Bus. Day	\$60,215,000	\$45,000,000	SUMITOMO	04/01/11	07/21/21	A1/P-1	A/A-1	A/F1	\$45,665,753	0.3150%	\$143,847	BAML	WED	0.07%	\$31,500	BANK OF NY	
SERIES 2011-A-1 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	\$60,545,000	\$46,500,000	N/A	N/A	N/A	Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A	Goldman	WED	0.13%	\$58,125	BANK OF NY	
SERIES 2011-A-2 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	\$40,370,000	\$31,000,000	N/A	N/A	N/A	Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A	Goldman	WED	0.13%	\$38,750	BANK OF NY	
SERIES 2009 - A	06/04/09	10/01/41	Oct 1	1st Bus. Day	\$75,000,000	\$55,000,000	US BANK	04/01/11	12/15/21	Aa2/VMIG 1	AA-/A-1+	AA/F1+	\$55,614,795	0.3300%	\$183,529	US Bank	DAILY	0.07%	\$38,500	US BANK	
SERIES 2009 - B	06/04/09	10/01/41	Oct 1	1st Bus. Day	\$75,000,000	\$55,000,000	B of A	04/01/11	05/16/22	Aa2/VMIG 1	A/A-1	A1/F1+	\$55,614,795	0.3000%	\$166,844	Goldman	DAILY	0.10%	\$55,000	US BANK	
					\$349,430,000	\$259,100,000	SUB-TOTAL VARIABLE RATE DEBT					\$183,853,896	0.3172%	\$583,184							
										(Wt. Avg)					(Wt. Avg)						
FIXED RATE ISSUES																					
2010 GO Build America Taxable Bonds	12/16/10	05/01/40	May (2025)	May/Nov	\$175,000,000	\$175,000,000	N/A	N/A	N/A	Aa1	AAA	NR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	US BANK	
2016 COPS	09/01/16	03/01/46	Mar (2021)	Mar/Sept	\$116,745,000	\$116,745,000	N/A	N/A	N/A	NR	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	US BANK	
SERIES 2016	10/12/16	02/01/46	Feb (2022)	Feb/Aug	\$103,400,000	\$103,400,000	N/A	N/A	N/A	NR	AAA	AAA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	BANK OF NY	
					\$395,145,000	\$395,145,000	SUB-TOTAL FIXED RATE DEBT														
					\$744,575,000	\$654,245,000	TOTAL- FIXED & VARIABLE RATE DEBT														

Remarketing Agents			GO VS COP's		
Goldman	132,500,000	51%	GO:	537,500,000	82%
BAML	71,600,000	28%	COPS:	116,745,000	18%
US Bank	55,000,000	21%	Total	<u>654,245,000</u>	
	<u>259,100,000</u>				

LOC Banks		Breakdown Between Variable & Fixed Rate Mode	
SUMITOMO	45,000,000	Daily Issues	136,600,000 21%
BANK OF AMERICA	55,000,000	Weekly Issues	45,000,000 7%
US BANK	81,600,000	ITN Issues	77,500,000 12%
	<u>181,600,000</u>	Sub-Total	<u>259,100,000</u>
		Fixed Rate Issues	\$395,145,000 60%
		Sub-Total - Fixed	<u>395,145,000</u>
		TOTAL DEBT	
		FIXED & VAR.	<u>654,245,000</u> 100%

IRVINE RANCH WATER DISTRICT
SUMMARY OF DEBT RATES
Jul-20

Rmkt Agent Mode	GOLDMAN DAILY	GOLDMAN WEEKLY	GOLDMAN WEEKLY	MERRILL LYNCH DAILY	MERRILL LYNCH WEEKLY	US BANK DAILY
Bond Issue	2009 - B	2011 A-1	2011 A-2	1993	2008-A	2009-A
Par Amount	55,000,000	46,500,000	31,000,000	26,600,000	45,000,000	55,000,000
Bank	BOFA	(SIFMA -6)	(SIFMA -6)	US BANK	Sumitomo	US BANK
Reset		Wednesday	Wednesday		Wednesday	
7/1/2020	0.02%	0.07%	0.07%	0.04%	0.11%	0.03%
7/2/2020	0.01%	0.03%	0.03%	0.02%	0.08%	0.02%
7/3/2020	0.01%	0.03%	0.03%	0.02%	0.08%	0.02%
7/4/2020	0.01%	0.03%	0.03%	0.02%	0.08%	0.02%
7/5/2020	0.01%	0.03%	0.03%	0.02%	0.08%	0.02%
7/6/2020	0.01%	0.03%	0.03%	0.01%	0.08%	0.02%
7/7/2020	0.01%	0.03%	0.03%	0.01%	0.08%	0.01%
7/8/2020	0.02%	0.03%	0.03%	0.01%	0.08%	0.02%
7/9/2020	0.05%	0.05%	0.05%	0.04%	0.11%	0.04%
7/10/2020	0.09%	0.05%	0.05%	0.10%	0.11%	0.09%
7/11/2020	0.09%	0.05%	0.05%	0.10%	0.11%	0.09%
7/12/2020	0.09%	0.05%	0.05%	0.10%	0.11%	0.09%
7/13/2020	0.17%	0.05%	0.05%	0.18%	0.11%	0.12%
7/14/2020	0.18%	0.05%	0.05%	0.17%	0.11%	0.16%
7/15/2020	0.17%	0.05%	0.05%	0.17%	0.11%	0.16%
7/16/2020	0.16%	0.15%	0.15%	0.16%	0.18%	0.18%
7/17/2020	0.15%	0.15%	0.15%	0.16%	0.18%	0.16%
7/18/2020	0.15%	0.15%	0.15%	0.16%	0.18%	0.16%
7/19/2020	0.15%	0.15%	0.15%	0.16%	0.18%	0.16%
7/20/2020	0.16%	0.15%	0.15%	0.15%	0.18%	0.15%
7/21/2020	0.13%	0.15%	0.15%	0.13%	0.18%	0.14%
7/22/2020	0.13%	0.15%	0.15%	0.12%	0.18%	0.12%
7/23/2020	0.11%	0.12%	0.12%	0.14%	0.17%	0.12%
7/24/2020	0.11%	0.12%	0.12%	0.15%	0.17%	0.12%
7/25/2020	0.11%	0.12%	0.12%	0.15%	0.17%	0.12%
7/26/2020	0.11%	0.12%	0.12%	0.15%	0.17%	0.12%
7/27/2020	0.11%	0.12%	0.12%	0.14%	0.17%	0.11%
7/28/2020	0.10%	0.12%	0.12%	0.14%	0.17%	0.10%
7/29/2020	0.11%	0.12%	0.12%	0.15%	0.17%	0.10%
7/30/2020	0.11%	0.10%	0.10%	0.14%	0.16%	0.10%
7/31/2020	0.11%	0.10%	0.10%	0.14%	0.16%	0.10%
Avg Interest Rates	0.10%	0.09%	0.09%	0.11%	0.14%	0.10%
Rmkt Fee	0.10%	0.13%	0.13%	0.10%	0.07%	0.07%
LOC Fee	0.30%			0.33%	0.32%	0.33%
All-In Rate	0.50%	0.21%	0.21%	0.54%	0.52%	0.50%
Par Amount	101,500,000		31,000,000	71,600,000		55,000,000

Interest Rate Mode	Percent of Total Variable Rate Debt	Par Outstanding	Weighted All-In Average Rate	Base Rate Average
Daily	52.72%	136,600,000	0.50%	0.10%
Weekly	47.28%	122,500,000	0.33%	0.11%
Fixed	100.00%	\$ 259,100,000	0.42%	0.10%
COPS 2016	29.54%	116,745,000	2.90%	
BABS 2010	44.29%	175,000,000	4.44%	(1)
SERIES 2016	26.17%	103,400,000	3.32%	
	100.00%	\$ 395,145,000	3.69%	
All-In Debt Rate Including \$60 Million Notional Amount of Swaps				2.92%

(1) Rate adjusted up from 4.35% as a result of sequestration reducing BAB's subsidy by 5.9%

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Exhibit "C"

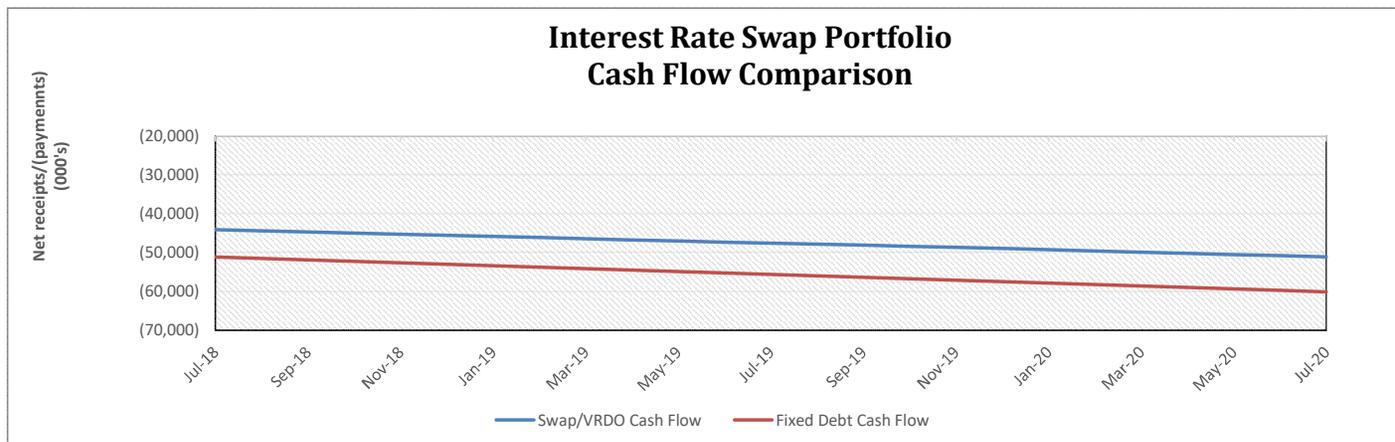
Irvine Ranch Water District Interest Rate Swap Summary July 2020

	Prior Mo.	Current Mo.	12-Mo Avg
LIBOR Avg %	0.18%	0.17%	1.26%

Current Fiscal Year Active Swaps								Cash Flow				(Since 3/07)	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 Net Accrual	Current Mark to Market	Notional Difference	
Fixed Payer Swaps - By Effective Date														
3/10/2007	3/10/2029	8.6	ML	30,000,000	FXP	LIBOR	5.687%	(127,019)	(141,754)	(142,148)	(18,167,291)	16,307,399	(13,692,601)	
3/10/2007	3/10/2029	8.6	CG	30,000,000	FXP	LIBOR	5.687%	(127,019)	(141,754)	(142,148)	(18,167,291)	16,303,511	(13,696,489)	
Totals/Weighted Avgs				8.6	\$ 60,000,000		5.687%	\$ (254,038)	\$ (283,508)	\$ (284,296)	\$ (36,334,581)	\$ 32,610,910	\$ (27,389,090)	
Total Current Year Active Swaps				\$ 60,000,000				\$ (254,038)	\$ (283,508)	\$ (284,296)	\$ (36,334,581)	\$ 32,610,910	\$ (27,389,090)	

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

Current Fiscal Year - Total 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 Net Accrual	Current Mark to Market	Notional Difference	
Total Current Year Active & Terminated Swaps								\$ 60,000,000	\$ (254,038)	\$ (283,508)	\$ (284,296)	\$ (36,334,581)	\$ 32,610,910	\$ (27,389,090)



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt	
<u>Cash Flow to Date</u>	
Synthetic Fixed =	\$51,130,677
Fixed Rate =	\$60,104,303
Assumptions:	
- Fixed rate debt issued at 4.93% in Mar-07 (estimated TE rate - Bloomberg)	
- 'Synthetic' includes swap cash flow + interest + fees to date	

Note: This page is intentionally left blank.

Exhibit "D"

IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JULY 2020

CHECK OR ELECTRONIC #	SUPPLIERS	PAYMENT DATE	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
409798	Barreto, Gustavo (Gus)	2-Jul-20	113.24	IRWD Check	Reconciled
409799	ANTHEM BLUE CROSS	2-Jul-20	257.88	IRWD Check	Reconciled
409800	CDW GOVERNMENT LLC	2-Jul-20	24,844.00	IRWD Check	Reconciled
409801	DEALERS SERVICE COMPANY, INC	2-Jul-20	7,880.15	IRWD Check	Reconciled
409802	DELL MARKETING LP	2-Jul-20	8,427.44	IRWD Check	Reconciled
409803	DUDEK	2-Jul-20	23,795.00	IRWD Check	Reconciled
409804	EI&C ENGINEERING INC.	2-Jul-20	53,504.00	IRWD Check	Reconciled
409806	FIONA HUTTON & ASSOCIATES, INC.	2-Jul-20	17,763.35	IRWD Check	Reconciled
409807	FRANCHISE TAX BOARD	2-Jul-20	80.00	IRWD Check	Reconciled
409808	HABITAT RESTORATION SCIENCES, INC.	2-Jul-20	800.00	IRWD Check	Reconciled
409809	HACH COMPANY	2-Jul-20	3,529.72	IRWD Check	Reconciled
409810	HUMANA INSURANCE COMPANY	2-Jul-20	56.60	IRWD Check	Reconciled
409812	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	2-Jul-20	2,774.11	IRWD Check	Reconciled
409813	JOHN MICHAEL COVAS	2-Jul-20	210.20	IRWD Check	Reconciled
409814	KEY INFORMATION SYSTEMS, INC.	2-Jul-20	2,050.00	IRWD Check	Reconciled
409816	LAGUNA BEACH COUNTY WATER DISTRICT	2-Jul-20	2,465.11	IRWD Check	Reconciled
409818	MARK ENTERPRISES TECHNOLOGIES LLC	2-Jul-20	100,052.00	IRWD Check	Reconciled
409820	ORANGE COUNTY SHERIFF'S OFFICE	2-Jul-20	62.50	IRWD Check	Reconciled
409822	PACIFIC STAR CHEMICAL, LLC	2-Jul-20	1,335.93	IRWD Check	Reconciled
409823	PARKHOUSE TIRE INC	2-Jul-20	778.80	IRWD Check	Reconciled
409824	PERS LONG TERM CARE	2-Jul-20	538.89	IRWD Check	Reconciled
409825	PRE-PAID LEGAL SERVICES, INC.	2-Jul-20	1,142.11	IRWD Check	Reconciled
409826	PROTEUS CONSULTING	2-Jul-20	19,386.50	IRWD Check	Reconciled
409827	REACH EMPLOYEE ASSISTANCE INC	2-Jul-20	1,078.00	IRWD Check	Reconciled
409828	RODNEY HARMSWORTH ASSOCIATES, INC.	2-Jul-20	1,356.00	IRWD Check	Reconciled
409830	THE CLIMATE REGISTRY	2-Jul-20	3,000.00	IRWD Check	Reconciled
409831	UNITED HEALTHCARE INSURANCE COMPANY	2-Jul-20	299.75	IRWD Check	Reconciled
409832	Escalante, Alexander	9-Jul-20	150.00	IRWD Check	Reconciled
409833	Legault, Dan (Dan)	9-Jul-20	151.42	IRWD Check	Reconciled
409834	A&Y ASPHALT CONTRACTORS, INC.	9-Jul-20	70,077.00	IRWD Check	Reconciled
409835	AFLAC	9-Jul-20	6,787.10	IRWD Check	Reconciled
409836	AFLAC	9-Jul-20	148.74	IRWD Check	Reconciled
409837	AIRGAS, INC.	9-Jul-20	2,426.16	IRWD Check	Reconciled
409838	ALLIED ELECTRONICS INC	9-Jul-20	1,696.60	IRWD Check	Reconciled
409839	AMAZON CAPITAL SERVICES, INC.	9-Jul-20	171.18	IRWD Check	Reconciled
409840	APEX SYSTEMS, LLC	9-Jul-20	12,480.00	IRWD Check	Reconciled
409841	AQUA BEN CORPORATION	9-Jul-20	33,912.40	IRWD Check	Reconciled
409842	ASHFORD, WALT	9-Jul-20	502.89	IRWD Check	Reconciled
409843	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA	9-Jul-20	37,692.82	IRWD Check	Reconciled
409844	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA	9-Jul-20	1,028.28	IRWD Check	Reconciled
409845	AT&T	9-Jul-20	4,009.55	IRWD Check	Reconciled
409846	AT&T	9-Jul-20	56.10	IRWD Check	Reconciled
409847	AUTOZONE PARTS, INC.	9-Jul-20	2,809.17	IRWD Check	Reconciled
409848	B & H PHOTO & VIDEO	9-Jul-20	159.47	IRWD Check	Reconciled
409849	BALDWIN & SONS HOMES	9-Jul-20	186.64	IRWD Check	Negotiable
409850	BEST BUY BUSINESS ADVANTAGE ACCOUNT	9-Jul-20	657.15	IRWD Check	Reconciled
409851	BHAUMIK, ASHISH	9-Jul-20	41.95	IRWD Check	Negotiable
409852	BILL'S SWEEPING SERVICE INC	9-Jul-20	1,950.00	IRWD Check	Reconciled
409853	BRENNTAG PACIFIC INC	9-Jul-20	21,530.61	IRWD Check	Reconciled
409854	C WELLS PIPELINE MATERIALS INC	9-Jul-20	915.88	IRWD Check	Reconciled
409855	CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	9-Jul-20	3,670.00	IRWD Check	Reconciled
409856	CALSENSE	9-Jul-20	1,225.00	IRWD Check	Reconciled
409857	CANON SOLUTIONS AMERICA, INC.	9-Jul-20	136.80	IRWD Check	Reconciled
409858	CDW GOVERNMENT LLC	9-Jul-20	283.59	IRWD Check	Reconciled
409859	CHEM TECH INTERNATIONAL INC	9-Jul-20	5,686.98	IRWD Check	Reconciled
409860	CHEMGLASS LIFE SCIENCES, LLC	9-Jul-20	184.09	IRWD Check	Reconciled
409861	CHO DESIGN ASSOCIATES, INC	9-Jul-20	4,000.00	IRWD Check	Reconciled
409862	CITY OF ORANGE	9-Jul-20	161.28	IRWD Check	Reconciled
409863	CLEAN ENERGY	9-Jul-20	3,490.82	IRWD Check	Reconciled
409864	COLONIAL LIFE & ACCIDENT INSURANCE CO.	9-Jul-20	1,103.26	IRWD Check	Reconciled
409865	COMMERCIAL COATING RESOURCE INC	9-Jul-20	1,100.00	IRWD Check	Reconciled
409866	CONSTELLATION NEWENERGY, INC.	9-Jul-20	95,644.37	IRWD Check	Reconciled
409867	CORELOGIC INC	9-Jul-20	20.49	IRWD Check	Reconciled
409868	COX COMMUNICATIONS, INC.	9-Jul-20	269.96	IRWD Check	Reconciled
409869	CULLIGAN OF SANTA ANA	9-Jul-20	22,000.00	IRWD Check	Reconciled
409870	DELL MARKETING LP	9-Jul-20	42,266.43	IRWD Check	Reconciled
409871	DOOLITTLE, ADAM	9-Jul-20	33.10	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JULY 2020**

CHECK OR ELECTRONIC #	SUPPLIERS	PAYMENT DATE	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
409872	DRIVELINES UNLIMITED	9-Jul-20	570.89	IRWD Check	Reconciled
409873	DURHAM GEO SLOPE INDICATOR	9-Jul-20	1,196.55	IRWD Check	Reconciled
409874	EAGLE PRINT DYNAMICS	9-Jul-20	3,023.03	IRWD Check	Reconciled
409875	ELECTRABOND	9-Jul-20	840.00	IRWD Check	Negotiable
409876	ENVIRONMENTAL SCIENCE ASSOCIATES	9-Jul-20	15,646.25	IRWD Check	Reconciled
409877	EXECUTIVE LIGHTING & ELECTRIC	9-Jul-20	8,843.75	IRWD Check	Reconciled
409878	FEDEX	9-Jul-20	159.08	IRWD Check	Reconciled
409879	FERGUSON ENTERPRISES, LLC	9-Jul-20	3,798.19	IRWD Check	Reconciled
409880	FIDELITY SECURITY LIFE INSURANCE COMPANY	9-Jul-20	136.46	IRWD Check	Reconciled
409881	FIDELITY SECURITY LIFE INSURANCE COMPANY	9-Jul-20	775.00	IRWD Check	Reconciled
409882	FIDELITY SECURITY LIFE INSURANCE COMPANY	9-Jul-20	6,948.60	IRWD Check	Reconciled
409883	FISERV SOLUTIONS, LLC	9-Jul-20	275.00	IRWD Check	Reconciled
409884	FISHER SCIENTIFIC COMPANY LLC	9-Jul-20	19,403.58	IRWD Check	Reconciled
409885	FLEET SOLUTIONS LLC	9-Jul-20	5,772.56	IRWD Check	Reconciled
409886	FOUGHT, CYNTHIA J.	9-Jul-20	2,593.70	IRWD Check	Reconciled
409887	FOX RESTAURANT	9-Jul-20	41.09	IRWD Check	Reconciled
409888	GOLDEN BELL PRODUCTS	9-Jul-20	56,975.00	IRWD Check	Reconciled
409889	GRAINGER	9-Jul-20	12,920.37	IRWD Check	Reconciled
409890	HAAKER EQUIPMENT COMPANY	9-Jul-20	164.46	IRWD Check	Reconciled
409891	HACH COMPANY	9-Jul-20	2,004.34	IRWD Check	Reconciled
409892	HELPMATES STAFFING SERVICES	9-Jul-20	9,873.94	IRWD Check	Reconciled
409893	HILL BROTHERS CHEMICAL COMPANY	9-Jul-20	9,125.81	IRWD Check	Reconciled
409894	HORIZON ENGINEERING SYSTEMS LLC	9-Jul-20	4,240.00	IRWD Check	Reconciled
409895	IDEA HALL	9-Jul-20	3,582.00	IRWD Check	Reconciled
409896	INDUSTRIAL NETWORKING SOLUTIONS	9-Jul-20	3,681.78	IRWD Check	Reconciled
409897	IRVINE COMMUNITY DEVELOPMENT COMPANY LLC	9-Jul-20	88.07	IRWD Check	Reconciled
409898	IRVINE PIPE & SUPPLY INC	9-Jul-20	1,642.88	IRWD Check	Reconciled
409899	IRWD-PETTY CASH CUSTODIAN	9-Jul-20	639.60	IRWD Check	Reconciled
409900	JOSHI, SUPRIYA	9-Jul-20	1,174.79	IRWD Check	Reconciled
409901	KENT DAHLBERG	9-Jul-20	50,716.80	IRWD Check	Reconciled
409902	KILL-N-BUGS TERMITES AND PEST CONTROL SERVICES	9-Jul-20	325.00	IRWD Check	Reconciled
409903	KPRS CONSTRUCTION SERVICES, INC.	9-Jul-20	1,068,371.23	IRWD Check	Reconciled
409904	LANDCARE HOLDINGS, INC.	9-Jul-20	63,143.90	IRWD Check	Reconciled
409905	MAP COMMUNICATIONS, INC.	9-Jul-20	2,421.30	IRWD Check	Reconciled
409906	MARK THOMAS & COMPANY, INC.	9-Jul-20	7,756.50	IRWD Check	Reconciled
409907	MARKKERN, JAIME	9-Jul-20	24.48	IRWD Check	Negotiable
409908	MC MASTER CARR SUPPLY CO	9-Jul-20	861.88	IRWD Check	Reconciled
409909	MERRIMAC PETROLEUM, INC.	9-Jul-20	19,322.38	IRWD Check	Reconciled
409910	MISSION COMMUNICATIONS, LLC	9-Jul-20	6,234.00	IRWD Check	Reconciled
409911	MUTUAL PROPANE	9-Jul-20	27.00	IRWD Check	Reconciled
409912	NALCO US 2 INC	9-Jul-20	346.14	IRWD Check	Reconciled
409913	NMG GEOTECHNICAL INC	9-Jul-20	3,798.80	IRWD Check	Reconciled
409914	O.C. SUPERIOR CUSTOM CLEANING	9-Jul-20	4,520.00	IRWD Check	Reconciled
409915	OLIN CORPORATION	9-Jul-20	19,983.04	IRWD Check	Reconciled
409916	ONESOURCE DISTRIBUTORS LLC	9-Jul-20	6,143.61	IRWD Check	Reconciled
409917	ORANGE COUNTY AUTO PARTS CO	9-Jul-20	414.70	IRWD Check	Reconciled
409918	ORANGE COUNTY CONSERVATION CORPS	9-Jul-20	56,400.00	IRWD Check	Reconciled
409919	ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT	9-Jul-20	302.80	IRWD Check	Reconciled
409920	PALO VERDE IRRIGATION DISTRICT	9-Jul-20	221,429.00	IRWD Check	Reconciled
409921	PAPER DEPOT DOCUMENT DESTRUCTION LLC	9-Jul-20	360.00	IRWD Check	Reconciled
409922	PARKHOUSE TIRE INC	9-Jul-20	8,113.90	IRWD Check	Reconciled
409923	PLUMBERS DEPOT INC.	9-Jul-20	2,038.43	IRWD Check	Reconciled
409924	PRAXAIR DISTRIBUTION INC	9-Jul-20	2,651.56	IRWD Check	Reconciled
409925	PRE-PAID LEGAL SERVICES, INC.	9-Jul-20	1,117.74	IRWD Check	Reconciled
409926	PROCARE WORK INJURY CENTER	9-Jul-20	455.00	IRWD Check	Reconciled
409927	QUINN COMPANY	9-Jul-20	2,553.44	IRWD Check	Reconciled
409928	RAM AIR ENGINEERING INC	9-Jul-20	4,470.75	IRWD Check	Reconciled
409929	RELIANCE STANDARD LIFE INSURANCE COMPANY	9-Jul-20	30,408.70	IRWD Check	Reconciled
409930	RILEY, BRIAN	9-Jul-20	28.55	IRWD Check	Negotiable
409931	RINCON TRUCK CENTER INC.	9-Jul-20	256.94	IRWD Check	Reconciled
409932	ROBERTSONS	9-Jul-20	3,792.80	IRWD Check	Reconciled
409933	RS HUGHES COMPANY, INC.	9-Jul-20	1,429.70	IRWD Check	Reconciled
409934	SANTA MARGARITA FORD	9-Jul-20	4,589.16	IRWD Check	Reconciled
409935	SAVANT CONSTRUCTION, INC	9-Jul-20	2,102.85	IRWD Check	Reconciled
409936	SCOTT FOSTER ENGINEERING, INC.	9-Jul-20	5,365.00	IRWD Check	Reconciled
409937	SEAL ANALYTICAL INC	9-Jul-20	1,235.29	IRWD Check	Reconciled
409938	SERRANO WATER DISTRICT	9-Jul-20	50,563.55	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JULY 2020**

CHECK OR ELECTRONIC #	SUPPLIERS	PAYMENT DATE	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
409939	SHAMROCK SUPPLY CO INC	9-Jul-20	2,385.92	IRWD Check	Reconciled
409940	SIGMA-ALDRICH INC	9-Jul-20	364.65	IRWD Check	Reconciled
409941	SKORUZ TECHNOLOGIES	9-Jul-20	19,800.00	IRWD Check	Reconciled
409942	SOLARWINDS, INC	9-Jul-20	8,313.00	IRWD Check	Reconciled
409943	SOUTH COAST WATER CO.	9-Jul-20	95.00	IRWD Check	Reconciled
409944	SOUTHERN CALIFORNIA EDISON COMPANY	9-Jul-20	122.00	IRWD Check	Reconciled
409945	SOUTHERN CALIFORNIA EDISON COMPANY	9-Jul-20	497,075.75	IRWD Check	Reconciled
409946	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.	9-Jul-20	292.93	IRWD Check	Reconciled
409947	SOUTHSIDE TOWING	9-Jul-20	300.00	IRWD Check	Reconciled
409948	STREET LIGHTS RESIDENTIAL	9-Jul-20	275.93	IRWD Check	Reconciled
409949	SUSAN A. SIROTA	9-Jul-20	4,660.00	IRWD Check	Reconciled
409950	TEKDRAULICS	9-Jul-20	2,867.69	IRWD Check	Reconciled
409951	TETRA TECH, INC	9-Jul-20	39,257.60	IRWD Check	Reconciled
409952	THOMPSON INDUSTRIAL SUPPLY	9-Jul-20	921.37	IRWD Check	Reconciled
409953	TOLL BROS., INC.	9-Jul-20	188.49	IRWD Check	Reconciled
409954	TROPICAL PLAZA NURSERY INC	9-Jul-20	8,513.00	IRWD Check	Reconciled
409955	U.S. GAIN - A DIVISION OF U.S. VENTURE, INC.	9-Jul-20	528.17	IRWD Check	Reconciled
409956	UCT, LLC	9-Jul-20	680.91	IRWD Check	Reconciled
409957	UNITED PARCEL SERVICE INC	9-Jul-20	258.12	IRWD Check	Reconciled
409958	VAUGHAN'S INDUSTRIAL REPAIR CO INC	9-Jul-20	27,698.71	IRWD Check	Reconciled
409959	VERIZON WIRELESS SERVICES LLC	9-Jul-20	18,573.52	IRWD Check	Reconciled
409960	VERTECH INDUSTRIAL SYSTEMS, LLC	9-Jul-20	5,209.70	IRWD Check	Reconciled
409961	WASTE MANAGEMENT OF CALIFORNIA, INC.	9-Jul-20	422.84	IRWD Check	Reconciled
409962	WAXIE'S ENTERPRISES, INC	9-Jul-20	188.48	IRWD Check	Reconciled
409963	WEST COAST SAFETY SUPPLY INC	9-Jul-20	534.82	IRWD Check	Reconciled
409964	WEST COAST SAND & GRAVEL INC.	9-Jul-20	944.13	IRWD Check	Reconciled
409965	WESTAMERICA COMMUNICATIONS, INC.	9-Jul-20	600.00	IRWD Check	Reconciled
409966	WISCONSIN STATE LABORATORY OF HYGIENE	9-Jul-20	1,015.00	IRWD Check	Reconciled
409967	WON, SEUNGWON	9-Jul-20	328.77	IRWD Check	Reconciled
409968	PAYNE & FEARS LLP	11-Jul-20	484.00	IRWD Check	Reconciled
409969	Chauv, Denise	16-Jul-20	406.00	IRWD Check	Reconciled
409970	Drzymkowski, Michele A (Michele)	16-Jul-20	6.95	IRWD Check	Negotiable
409971	Orozco, Linda	16-Jul-20	60.00	IRWD Check	Reconciled
409972	Silva, Jose A (Jose)	16-Jul-20	168.55	IRWD Check	Reconciled
409973	AIRGAS, INC.	16-Jul-20	5,521.81	IRWD Check	Reconciled
409974	ALSTON & BIRD LLP	16-Jul-20	516,619.07	IRWD Check	Reconciled
409975	AMAZON CAPITAL SERVICES, INC.	16-Jul-20	9,053.66	IRWD Check	Reconciled
409976	AT&T	16-Jul-20	1,096.92	IRWD Check	Reconciled
409977	AUTOZONE PARTS, INC.	16-Jul-20	44.98	IRWD Check	Reconciled
409978	BATTERIES PLUS AND BATTERIES PLUS BULBS	16-Jul-20	885.51	IRWD Check	Reconciled
409979	BAVCO BACKFLOW APPARATUS & VALVE COMPANY	16-Jul-20	238.16	IRWD Check	Reconciled
409980	BEE EMERGENCY RESPONSE TEAM	16-Jul-20	175.00	IRWD Check	Reconciled
409981	BLACK & VEATCH CORPORATION	16-Jul-20	164,355.15	IRWD Check	Reconciled
409982	BORCHARD SURVEYING & MAPPING, INC.	16-Jul-20	4,902.50	IRWD Check	Reconciled
409983	BOYD & ASSOCIATES	16-Jul-20	3,477.00	IRWD Check	Reconciled
409984	BRIAN HOMSY	16-Jul-20	395.80	IRWD Check	Reconciled
409985	CALIFORNIA BARRICADE RENTAL, INC.	16-Jul-20	34,559.70	IRWD Check	Reconciled
409986	CANON FINANCIAL SERVICES, INC	16-Jul-20	8,343.56	IRWD Check	Reconciled
409987	CARL ZEISS MICROSCOPY, LLC	16-Jul-20	1,312.31	IRWD Check	Reconciled
409988	CHEM TECH INTERNATIONAL INC	16-Jul-20	8,934.96	IRWD Check	Reconciled
409989	CITY OF IRVINE	16-Jul-20	216.00	IRWD Check	Reconciled
409990	COLE-PARMER INSTRUMENT CO	16-Jul-20	27.75	IRWD Check	Reconciled
409991	CONSOLIDATED ELECTRICAL DISTRIBUTORS, INC	16-Jul-20	8,974.55	IRWD Check	Reconciled
409992	CONSTELLATION NEWENERGY, INC.	16-Jul-20	19,413.23	IRWD Check	Reconciled
409993	COUNTY OF ORANGE	16-Jul-20	984.21	IRWD Check	Reconciled
409994	CR & R INCORPORATED	16-Jul-20	431.81	IRWD Check	Reconciled
409995	DATA CLEAN CORPORATION	16-Jul-20	559.00	IRWD Check	Reconciled
409996	DEALERS SERVICE COMPANY, INC	16-Jul-20	2,714.22	IRWD Check	Reconciled
409997	DEE JASPAR & ASSOCIATES, INC.	16-Jul-20	14,059.51	IRWD Check	Reconciled
409998	DELL MARKETING LP	16-Jul-20	46,922.99	IRWD Check	Reconciled
409999	DG INVESTMENT INTERMEDIATE HOLDINGS 2, INC.	16-Jul-20	22,427.56	IRWD Check	Reconciled
410000	EAST ORANGE COUNTY WATER DISTRICT	16-Jul-20	2,250.74	IRWD Check	Reconciled
410001	ENVIRONMENTAL RESOURCE ASSOCIATES	16-Jul-20	306.56	IRWD Check	Reconciled
410002	EUROFINS CALSCIENCE, LLC	16-Jul-20	2,005.50	IRWD Check	Reconciled
410003	EVANTEC CORPORATION	16-Jul-20	393.29	IRWD Check	Reconciled
410004	EVERETT DOREY LLP	16-Jul-20	8,091.56	IRWD Check	Reconciled
410005	FASTBLUE COMMUNICATIONS INC.	16-Jul-20	1,917.00	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JULY 2020**

CHECK OR ELECTRONIC #	SUPPLIERS	PAYMENT DATE	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
410006	FEDEX	16-Jul-20	177.88	IRWD Check	Reconciled
410007	FERGUSON ENTERPRISES, LLC	16-Jul-20	22,698.74	IRWD Check	Reconciled
410008	FIONA HUTTON & ASSOCIATES, INC.	16-Jul-20	17,267.45	IRWD Check	Reconciled
410009	FIRST CHOICE SERVICES	16-Jul-20	901.76	IRWD Check	Reconciled
410010	FISHER SCIENTIFIC COMPANY LLC	16-Jul-20	5,951.49	IRWD Check	Reconciled
410011	FRANCHISE TAX BOARD	16-Jul-20	80.00	IRWD Check	Negotiable
410012	GEORGE HILLS COMPANY, INC.	16-Jul-20	748.00	IRWD Check	Reconciled
410013	GRAINGER	16-Jul-20	8,754.62	IRWD Check	Reconciled
410014	GRAYBAR ELECTRIC COMPANY	16-Jul-20	1,649.61	IRWD Check	Reconciled
410015	HACH COMPANY	16-Jul-20	3,381.81	IRWD Check	Reconciled
410016	HADRONEX, INC.	16-Jul-20	36,420.91	IRWD Check	Reconciled
410017	HANSON BRIDGETT LLP	16-Jul-20	56,657.74	IRWD Check	Reconciled
410018	HDR ENGINEERING INC	16-Jul-20	63,730.89	IRWD Check	Reconciled
410019	HELPMATES STAFFING SERVICES	16-Jul-20	12,415.06	IRWD Check	Reconciled
410020	HI-LINE INC	16-Jul-20	377.14	IRWD Check	Reconciled
410021	HILL BROTHERS CHEMICAL COMPANY	16-Jul-20	2,235.00	IRWD Check	Reconciled
410022	HOME DEPOT USA INC	16-Jul-20	758.81	IRWD Check	Reconciled
410023	INFOSYS LIMITED	16-Jul-20	26,880.00	IRWD Check	Reconciled
410024	INFRASTRUCTURE ENGINEERING CORPORATION	16-Jul-20	6,030.00	IRWD Check	Negotiable
410025	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	16-Jul-20	2,774.11	IRWD Check	Reconciled
410026	IRVINE PIPE & SUPPLY INC	16-Jul-20	1,221.70	IRWD Check	Reconciled
410027	KAN VENTURES, INC	16-Jul-20	6,500.00	IRWD Check	Reconciled
410028	KEY INFORMATION SYSTEMS, INC.	16-Jul-20	753.00	IRWD Check	Reconciled
410029	LANDCARE HOLDINGS, INC.	16-Jul-20	47,268.46	IRWD Check	Reconciled
410030	LCS TECHNOLOGIES, INC.	16-Jul-20	7,290.00	IRWD Check	Reconciled
410031	LINDSAY POLIC CONSULTING, INC.	16-Jul-20	8,600.00	IRWD Check	Reconciled
410032	MARK KADESH	16-Jul-20	10,000.00	IRWD Check	Reconciled
410033	MBF CONSULTING, INC.	16-Jul-20	4,410.00	IRWD Check	Reconciled
410034	MC FADDEN-DALE INDUSTRIAL	16-Jul-20	265.26	IRWD Check	Reconciled
410035	MC MASTER CARR SUPPLY CO	16-Jul-20	2,981.32	IRWD Check	Reconciled
410036	MCR TECHNOLOGIES INC	16-Jul-20	56,677.44	IRWD Check	Reconciled
410037	MISSION COMMUNICATIONS, LLC	16-Jul-20	5,539.50	IRWD Check	Reconciled
410038	MSC INDUSTRIAL SUPPLY CO	16-Jul-20	1,074.26	IRWD Check	Reconciled
410039	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	16-Jul-20	69.99	IRWD Check	Reconciled
410040	NEW PIG CORPORATION	16-Jul-20	2,071.48	IRWD Check	Reconciled
410041	NEWPORT REAL ESTATE SERVICES, INC.	16-Jul-20	23,687.32	IRWD Check	Reconciled
410042	NMG GEOTECHNICAL INC	16-Jul-20	10,079.60	IRWD Check	Reconciled
410043	NV5, INC.	16-Jul-20	19,040.00	IRWD Check	Negotiable
410044	OLIN CORPORATION	16-Jul-20	27,006.41	IRWD Check	Reconciled
410045	ONESOURCE DISTRIBUTORS LLC	16-Jul-20	1,294.00	IRWD Check	Reconciled
410046	OPERATION TECHNOLOGY, INC.	16-Jul-20	1,578.00	IRWD Check	Reconciled
410047	ORANGE COAST PLUMBING	16-Jul-20	550.00	IRWD Check	Reconciled
410048	ORANGE COUNTY AUTO PARTS CO	16-Jul-20	691.45	IRWD Check	Reconciled
410049	ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT	16-Jul-20	5,492.29	IRWD Check	Reconciled
410050	ORANGE COUNTY SANITATION DISTRICT	16-Jul-20	157,169.44	IRWD Check	Reconciled
410051	ORANGE COUNTY SHERIFF'S OFFICE	16-Jul-20	62.50	IRWD Check	Negotiable
410052	ORANGE COUNTY TREASURER	16-Jul-20	2,900.00	IRWD Check	Reconciled
410053	ORANGE LINE OIL COMPANY	16-Jul-20	2,269.47	IRWD Check	Reconciled
410054	PARKHOUSE TIRE INC	16-Jul-20	7,127.46	IRWD Check	Reconciled
410055	PENN ARCHIVE SERVICES	16-Jul-20	597.00	IRWD Check	Reconciled
410056	PERS LONG TERM CARE	16-Jul-20	538.89	IRWD Check	Reconciled
410057	PLUMBERS DEPOT INC.	16-Jul-20	2,390.50	IRWD Check	Reconciled
410058	PRAXAIR DISTRIBUTION INC	16-Jul-20	977.49	IRWD Check	Reconciled
410059	PROCARE WORK INJURY CENTER	16-Jul-20	565.00	IRWD Check	Reconciled
410060	PYRO-COMM SYSTEMS INC	16-Jul-20	585.00	IRWD Check	Reconciled
410061	QUINTANA, WATTS & HARTMANN, LLC	16-Jul-20	5,000.00	IRWD Check	Negotiable
410062	R&B AUTOMATION, INC.	16-Jul-20	910.00	IRWD Check	Reconciled
410063	RAM AIR ENGINEERING INC	16-Jul-20	18,295.49	IRWD Check	Reconciled
410064	REFRIGERATION SUPPLIES DISTRIBUTOR	16-Jul-20	65.18	IRWD Check	Reconciled
410065	RESTEK CORPORATION	16-Jul-20	537.27	IRWD Check	Reconciled
410066	RLG ENTERPRISES, INC	16-Jul-20	1,588.30	IRWD Check	Reconciled
410067	RS HUGHES COMPANY, INC.	16-Jul-20	2,313.61	IRWD Check	Reconciled
410068	SANTA MARGARITA FORD	16-Jul-20	173.24	IRWD Check	Reconciled
410069	SCELZI EQUIPMENT, INC.	16-Jul-20	206.24	IRWD Check	Reconciled
410070	SECURITAS SECURITY SERVICES USA, INC.	16-Jul-20	37,165.44	IRWD Check	Reconciled
410071	SHERWIN WILLIAMS COMPANY	16-Jul-20	2,137.07	IRWD Check	Reconciled
410072	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	16-Jul-20	1,114.84	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JULY 2020**

CHECK OR ELECTRONIC #	SUPPLIERS	PAYMENT DATE	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
410073	SOUTHERN CALIFORNIA EDISON COMPANY	16-Jul-20	376.98	IRWD Check	Reconciled
410074	SOUTHERN CALIFORNIA EDISON COMPANY	16-Jul-20	183,448.19	IRWD Check	Reconciled
410075	SOUTHERN CALIFORNIA GAS COMPANY	16-Jul-20	10,632.29	IRWD Check	Reconciled
410076	STONE MILLER CONSULTANTS INC	16-Jul-20	1,419.00	IRWD Check	Reconciled
410077	SUNSHINE SUPPLY COMPANY, INC.	16-Jul-20	3,418.37	IRWD Check	Reconciled
410078	SWAINS ELECTRIC MOTOR SERVICE	16-Jul-20	19,473.06	IRWD Check	Reconciled
410079	TETRA TECH, INC	16-Jul-20	25,513.50	IRWD Check	Reconciled
410080	THOMPSON INDUSTRIAL SUPPLY	16-Jul-20	4,251.36	IRWD Check	Negotiable
410081	TRUCPARCO	16-Jul-20	51.19	IRWD Check	Reconciled
410082	ULINE INC	16-Jul-20	1,299.95	IRWD Check	Reconciled
410083	UNITED PARCEL SERVICE INC	16-Jul-20	63.59	IRWD Check	Reconciled
410084	VWR INTERNATIONAL, LLC	16-Jul-20	2,360.31	IRWD Check	Reconciled
410085	WASTE MANAGEMENT OF CALIFORNIA, INC.	16-Jul-20	5,613.87	IRWD Check	Reconciled
410086	WATER INFORMATION SHARING AND ANALYSIS CENTER (WATERISAC)	16-Jul-20	3,149.00	IRWD Check	Reconciled
410087	WATERSMART SOFTWARE INC	16-Jul-20	13,547.22	IRWD Check	Negotiable
410088	WAXIE'S ENTERPRISES, INC	16-Jul-20	2,885.21	IRWD Check	Reconciled
410089	WEST COAST SAND & GRAVEL INC.	16-Jul-20	8,057.16	IRWD Check	Reconciled
410090	WEST YOST & ASSOCIATES	16-Jul-20	960.00	IRWD Check	Reconciled
410091	WORKFORCE SAFETY LLC	16-Jul-20	3,000.00	IRWD Check	Negotiable
410092	YSI, INC	16-Jul-20	947.43	IRWD Check	Reconciled
410093	Fournier, Tanja L (Tanja)	23-Jul-20	76.15	IRWD Check	Reconciled
410094	Pan, Jenny W (Jenny)	23-Jul-20	67.29	IRWD Check	Negotiable
410095	AA PORTABLE POWER CORP	23-Jul-20	10,444.42	IRWD Check	Negotiable
410096	ABM INDUSTRY GROUPS, LLC	23-Jul-20	14,196.00	IRWD Check	Reconciled
410097	ACWA	23-Jul-20	500.00	IRWD Check	Negotiable
410098	AECOM TECHNICAL SERVICES, INC.	23-Jul-20	133,515.25	IRWD Check	Reconciled
410099	AIRGAS, INC.	23-Jul-20	2,142.61	IRWD Check	Reconciled
410100	ALEXANDER'S CONTRACT SERVICES, INC.	23-Jul-20	122,856.33	IRWD Check	Reconciled
410101	ALLIANCE AG SERVICES, INC.	23-Jul-20	3,000.00	IRWD Check	Negotiable
410102	AMAZON CAPITAL SERVICES, INC.	23-Jul-20	3,229.61	IRWD Check	Reconciled
410103	ANTHONY N. LARSEN	23-Jul-20	450.00	IRWD Check	Reconciled
410104	APEX COMPANIES, LLC	23-Jul-20	1,140.00	IRWD Check	Negotiable
410105	APEX SYSTEMS, LLC	23-Jul-20	4,446.00	IRWD Check	Reconciled
410106	ARCADIS U.S., INC.	23-Jul-20	25,612.00	IRWD Check	Reconciled
410107	AT&T	23-Jul-20	10,481.30	IRWD Check	Reconciled
410108	ATHENS SERVICES	23-Jul-20	1,851.36	IRWD Check	Reconciled
410109	ATHENS SERVICES	23-Jul-20	7,493.89	IRWD Check	Reconciled
410110	AUTOZONE PARTS, INC.	23-Jul-20	2,005.12	IRWD Check	Negotiable
410111	BATTERIES PLUS AND BATTERIES PLUS BULBS	23-Jul-20	166.74	IRWD Check	Reconciled
410112	BAVCO BACKFLOW APPARATUS & VALVE COMPANY	23-Jul-20	610.78	IRWD Check	Reconciled
410113	BILL'S SWEEPING SERVICE INC	23-Jul-20	2,139.25	IRWD Check	Negotiable
410114	BIOMAGIC INC	23-Jul-20	22,301.35	IRWD Check	Reconciled
410115	BIOTAGE LLC	23-Jul-20	6,934.00	IRWD Check	Reconciled
410116	BLUEBEAM, INC	23-Jul-20	14,925.75	IRWD Check	Negotiable
410117	BOFA SECURITIES, INC.	23-Jul-20	14,706.69	IRWD Check	Reconciled
410118	BOYD & ASSOCIATES	23-Jul-20	93.00	IRWD Check	Reconciled
410119	BOYD & ASSOCIATES	23-Jul-20	208.16	IRWD Check	Reconciled
410120	BROWN AND CALDWELL	23-Jul-20	8,160.44	IRWD Check	Reconciled
410121	C WELLS PIPELINE MATERIALS INC	23-Jul-20	841.54	IRWD Check	Negotiable
410122	CALIFORNIA BARRICADE RENTAL, INC.	23-Jul-20	9,512.60	IRWD Check	Reconciled
410123	CAROLLO ENGINEERS, INC	23-Jul-20	53,292.75	IRWD Check	Reconciled
410124	CHEM SERVICE INC.	23-Jul-20	309.90	IRWD Check	Reconciled
410125	CITY OF IRVINE	23-Jul-20	288.00	IRWD Check	Negotiable
410126	CITY OF NEWPORT BEACH	23-Jul-20	1,889.81	IRWD Check	Reconciled
410127	CLA-VAL COMPANY	23-Jul-20	4,180.88	IRWD Check	Negotiable
410128	CLARIS STRATEGY INC.	23-Jul-20	7,834.75	IRWD Check	Reconciled
410129	CONSTELLATION NEWENERGY, INC.	23-Jul-20	13,037.06	IRWD Check	Negotiable
410130	COX COMMUNICATIONS, INC.	23-Jul-20	321.45	IRWD Check	Reconciled
410131	CSAC EXCESS INSURANCE AUTHORITY	23-Jul-20	44,002.00	IRWD Check	Reconciled
410132	D & G SIGNS	23-Jul-20	802.31	IRWD Check	Negotiable
410133	DEE JASPAR & ASSOCIATES, INC.	23-Jul-20	486.00	IRWD Check	Negotiable
410134	DEX MEDIA, INC.	23-Jul-20	41.00	IRWD Check	Negotiable
410135	DISCOUNT COURIER SERVICE INC.	23-Jul-20	64.29	IRWD Check	Reconciled
410136	DUKE CULTURAL RESOURCES MANAGEMENT, LLC	23-Jul-20	1,364.88	IRWD Check	Reconciled
410137	EHS INTERNATIONAL, INC	23-Jul-20	400.00	IRWD Check	Reconciled
410138	ENTERPRISE INFORMATION SYSTEMS, INC.	23-Jul-20	2,750.00	IRWD Check	Negotiable
410139	ENVIRONMENTAL ENGINEERING AND CONTRACTING, INC.	23-Jul-20	13,290.00	IRWD Check	Negotiable

**IRVINE RANCH WATER DISTRICT
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CHECK OR ELECTRONIC #	SUPPLIERS	PAYMENT DATE	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
410140	ENVIRONMENTAL RESOURCE ASSOCIATES	23-Jul-20	833.78	IRWD Check	Negotiable
410141	EUROFINS CALSCIENCE, LLC	23-Jul-20	4,966.50	IRWD Check	Reconciled
410142	EVERETT DOREY LLP	23-Jul-20	9,984.37	IRWD Check	Reconciled
410143	EXECUTIVE LIGHTING & ELECTRIC	23-Jul-20	14,278.83	IRWD Check	Reconciled
410144	FABCORP, INC	23-Jul-20	4,340.00	IRWD Check	Reconciled
410145	FEDEX	23-Jul-20	107.31	IRWD Check	Negotiable
410146	FERGUSON ENTERPRISES, LLC	23-Jul-20	715.46	IRWD Check	Reconciled
410147	FIRE EXTINGUISHING SAFETY & SERVICE	23-Jul-20	13,994.54	IRWD Check	Reconciled
410148	FISHER SCIENTIFIC COMPANY LLC	23-Jul-20	9,454.43	IRWD Check	Reconciled
410149	FLEXIBLE LIFELINE SYSTEMS	23-Jul-20	3,770.00	IRWD Check	Negotiable
410150	FORESTRY SUPPLIERS INC	23-Jul-20	1,015.41	IRWD Check	Reconciled
410151	FUSCOE ENGINEERING, INC.	23-Jul-20	1,785.00	IRWD Check	Reconciled
410152	GALLADE CHEMICAL INC	23-Jul-20	2,749.78	IRWD Check	Reconciled
410153	GANAHL LUMBER CO.	23-Jul-20	2,009.02	IRWD Check	Negotiable
410154	GM SAGER CONSTRUCTION CO,INC.	23-Jul-20	53,887.28	IRWD Check	Negotiable
410155	GOLDMAN, SACHS & CO. LLC	23-Jul-20	13,674.86	IRWD Check	Negotiable
410156	GRAINGER	23-Jul-20	4,067.63	IRWD Check	Reconciled
410157	GRAYBAR ELECTRIC COMPANY	23-Jul-20	1,099.74	IRWD Check	Reconciled
410158	HACH COMPANY	23-Jul-20	3,489.57	IRWD Check	Reconciled
410159	HARPER & ASSOCIATES ENGINEERING INC	23-Jul-20	17,677.50	IRWD Check	Negotiable
410160	HDR ENGINEERING INC	23-Jul-20	1,559.03	IRWD Check	Reconciled
410161	HELPMATES STAFFING SERVICES	23-Jul-20	15,838.23	IRWD Check	Negotiable
410162	HILL BROTHERS CHEMICAL COMPANY	23-Jul-20	11,702.92	IRWD Check	Negotiable
410163	HINSILBLON LTD	23-Jul-20	25,481.00	IRWD Check	Negotiable
410164	HOME DEPOT USA INC	23-Jul-20	1,313.08	IRWD Check	Reconciled
410165	INDUSTRIAL NETWORKING SOLUTIONS	23-Jul-20	1,773.40	IRWD Check	Reconciled
410166	INFOSEND, INC.	23-Jul-20	35,840.82	IRWD Check	Reconciled
410167	IRON MOUNTAIN INFORMATION MANAGEMENT INC	23-Jul-20	1,776.07	IRWD Check	Reconciled
410168	IRVINE PIPE & SUPPLY INC	23-Jul-20	4,739.99	IRWD Check	Reconciled
410169	JCI JONES CHEMICALS INC	23-Jul-20	3,282.92	IRWD Check	Reconciled
410170	JUST ENERGY SOLUTIONS INC.	23-Jul-20	194.95	IRWD Check	Reconciled
410171	KOURY ENGINEERING & TESTING, INC.	23-Jul-20	755.00	IRWD Check	Reconciled
410172	KURAPIA, INC.	23-Jul-20	301.77	IRWD Check	Negotiable
410173	LAGUNA BEACH COUNTY WATER DISTRICT	23-Jul-20	6,920.84	IRWD Check	Reconciled
410174	LOTUS CONSULTING	23-Jul-20	9,514.00	IRWD Check	Reconciled
410175	LSA ASSOCIATES INC	23-Jul-20	10,211.47	IRWD Check	Reconciled
410176	MAGNETROL INTERNATIONAL, INCORPORATED	23-Jul-20	1,772.69	IRWD Check	Reconciled
410177	MC FADDEN-DALE INDUSTRIAL	23-Jul-20	260.00	IRWD Check	Reconciled
410178	MC MASTER CARR SUPPLY CO	23-Jul-20	211.01	IRWD Check	Reconciled
410179	MCR TECHNOLOGIES INC	23-Jul-20	5,669.99	IRWD Check	Reconciled
410180	MERRIMAC PETROLEUM, INC.	23-Jul-20	35,923.73	IRWD Check	Reconciled
410181	MICROSOFT CORPORATION	23-Jul-20	712.72	IRWD Check	Reconciled
410182	MOBILE MODULAR MANAGEMENT CORPORATION	23-Jul-20	5,040.00	IRWD Check	Reconciled
410183	MR CRANE INC	23-Jul-20	1,571.40	IRWD Check	Reconciled
410184	MSC INDUSTRIAL SUPPLY CO	23-Jul-20	723.93	IRWD Check	Reconciled
410185	MUTUAL PROPANE	23-Jul-20	36.00	IRWD Check	Reconciled
410186	NEWAGE INDUSTRIES INC	23-Jul-20	1,906.94	IRWD Check	Reconciled
410187	O.C. SUPERIOR CUSTOM CLEANING	23-Jul-20	825.00	IRWD Check	Reconciled
410188	OCTA	23-Jul-20	601.00	IRWD Check	Negotiable
410189	OLIN CORPORATION	23-Jul-20	19,966.48	IRWD Check	Reconciled
410190	ONESOURCE DISTRIBUTORS LLC	23-Jul-20	2,971.37	IRWD Check	Negotiable
410191	ORANGE COAST PLUMBING	23-Jul-20	809.93	IRWD Check	Reconciled
410192	ORANGE COUNTY AUTO PARTS CO	23-Jul-20	201.02	IRWD Check	Reconciled
410194	PACIFIC COAST BOLT CORP	23-Jul-20	3,618.31	IRWD Check	Reconciled
410195	PARADA PAINTING INC	23-Jul-20	5,888.00	IRWD Check	Reconciled
410196	PELLETIER & ASSOCIATES, INC.	23-Jul-20	390.00	IRWD Check	Reconciled
410197	PINNACLE TOWERS LLC	23-Jul-20	779.18	IRWD Check	Reconciled
410198	PIVOT INTERIORS INC	23-Jul-20	8,584.54	IRWD Check	Reconciled
410199	PRAXAIR DISTRIBUTION INC	23-Jul-20	2,493.34	IRWD Check	Reconciled
410200	PTI SAND & GRAVEL INC	23-Jul-20	1,077.62	IRWD Check	Reconciled
410201	PUBLIC POLICY INSTITUTE OF CALIFORNIA	23-Jul-20	10,000.00	IRWD Check	Reconciled
410202	PYRO-COMM SYSTEMS INC	23-Jul-20	14,973.25	IRWD Check	Reconciled
410203	QUADIENT FINANCE USA, INC.	23-Jul-20	2,000.00	IRWD Check	Reconciled
410204	QUICK CRETE PRODUCTS CORP.	23-Jul-20	5,799.11	IRWD Check	Reconciled
410205	RAM AIR ENGINEERING INC	23-Jul-20	5,044.20	IRWD Check	Negotiable
410206	REAL WATER CONSULTANTS INC.	23-Jul-20	28,914.00	IRWD Check	Negotiable
410207	RED WING SHOE STORE	23-Jul-20	193.94	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT
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CHECK OR ELECTRONIC #	SUPPLIERS	PAYMENT DATE	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
410208	RELIANCE SAFETY CONSULTANTS, INC.	23-Jul-20	2,508.26	IRWD Check	Negotiable
410209	RINCON TRUCK CENTER INC.	23-Jul-20	5,629.99	IRWD Check	Reconciled
410210	SANTA MARGARITA FORD	23-Jul-20	330.86	IRWD Check	Reconciled
410211	SHAMROCK SUPPLY CO INC	23-Jul-20	2,311.96	IRWD Check	Reconciled
410212	SMT AUTOMOTIVE LLC	23-Jul-20	185.09	IRWD Check	Reconciled
410213	SOUTH COAST WATER DISTRICT	23-Jul-20	863.00	IRWD Check	Negotiable
410214	SOUTHERN CALIFORNIA EDISON COMPANY	23-Jul-20	496,584.32	IRWD Check	Reconciled
410215	SOUTHERN CALIFORNIA EDISON COMPANY	23-Jul-20	32.86	IRWD Check	Reconciled
410216	SOUTHERN CALIFORNIA GAS COMPANY	23-Jul-20	1,345.25	IRWD Check	Negotiable
410217	SPARKLETTS	23-Jul-20	298.36	IRWD Check	Negotiable
410218	STANTEC CONSULTING SERVICES INC.	23-Jul-20	1,200.00	IRWD Check	Reconciled
410219	SUEZ TREATMENT SOLUTIONS INC.	23-Jul-20	8,973.59	IRWD Check	Negotiable
410220	SURF CITY OPTOMETRY	23-Jul-20	225.00	IRWD Check	Negotiable
410221	SUSTAIN SOCAL	23-Jul-20	1,000.00	IRWD Check	Negotiable
410222	SWAINS ELECTRIC MOTOR SERVICE	23-Jul-20	6,959.75	IRWD Check	Negotiable
410223	TETRA TECH, INC	23-Jul-20	10,272.50	IRWD Check	Reconciled
410224	THERMO ELECTRON NORTH AMERICA LLC	23-Jul-20	21,125.62	IRWD Check	Reconciled
410225	THOMPSON INDUSTRIAL SUPPLY	23-Jul-20	13,666.63	IRWD Check	Negotiable
410226	TOTAL RESOURCE MANAGEMENT, INC	23-Jul-20	3,740.00	IRWD Check	Negotiable
410227	TRI COUNTY PUMP COMPANY	23-Jul-20	11,013.20	IRWD Check	Reconciled
410228	TRUCPARCO	23-Jul-20	163.78	IRWD Check	Negotiable
410229	ULINE INC	23-Jul-20	208.60	IRWD Check	Reconciled
410230	UNITED PARCEL SERVICE INC	23-Jul-20	115.48	IRWD Check	Reconciled
410231	UNITED SITE SERVICES OF CALIFORNIA INC	23-Jul-20	835.67	IRWD Check	Reconciled
410232	US BANK NAT'L ASSOC N.DAKOTA	23-Jul-20	9,572.40	IRWD Check	Negotiable
410233	USA PORTOLA WEST, LLC	23-Jul-20	3,629.95	IRWD Check	Reconciled
410234	USA WASTE OF CALIFORNIA, INC.	23-Jul-20	450.00	IRWD Check	Reconciled
410235	VAUGHAN'S INDUSTRIAL REPAIR CO INC	23-Jul-20	690.00	IRWD Check	Reconciled
410236	VWR INTERNATIONAL, LLC	23-Jul-20	78.94	IRWD Check	Reconciled
410237	WARE MALCOMB	23-Jul-20	21,200.00	IRWD Check	Reconciled
410238	WASTE MANAGEMENT OF CALIFORNIA, INC.	23-Jul-20	2,331.61	IRWD Check	Reconciled
410239	WATERLINE TECHNOLOGIES INC	23-Jul-20	2,178.88	IRWD Check	Reconciled
410240	WAXIE'S ENTERPRISES, INC	23-Jul-20	149.31	IRWD Check	Reconciled
410241	WECK LABORATORIES INC	23-Jul-20	2,066.00	IRWD Check	Negotiable
410242	WEST YOST & ASSOCIATES	23-Jul-20	15,879.00	IRWD Check	Negotiable
410243	WESTERN AV	23-Jul-20	6,881.00	IRWD Check	Reconciled
410244	Bennett, Ray R (Ray)	30-Jul-20	89.94	IRWD Check	Negotiable
410245	McElroy, Dorien	30-Jul-20	104.00	IRWD Check	Negotiable
410246	Paulson, David	30-Jul-20	225.00	IRWD Check	Negotiable
410247	A&Y ASPHALT CONTRACTORS, INC.	30-Jul-20	138,804.00	IRWD Check	Negotiable
410248	ABSOLUTE STANDARDS, INC.	30-Jul-20	1,111.25	IRWD Check	Negotiable
410249	ACCUSOURCE, INC.	30-Jul-20	188.03	IRWD Check	Negotiable
410250	AIRGAS, INC.	30-Jul-20	2,705.99	IRWD Check	Negotiable
410251	ALLIANT INSURANCE SERVICES, INC	30-Jul-20	144,373.44	IRWD Check	Negotiable
410252	ALSTON & BIRD LLP	30-Jul-20	446,131.73	IRWD Check	Negotiable
410253	AMAZON CAPITAL SERVICES, INC.	30-Jul-20	2,484.45	IRWD Check	Negotiable
410254	AMERICAN GEOTECHNICAL, INC.	30-Jul-20	1,803.75	IRWD Check	Negotiable
410255	AMETEK BROOKFIELD	30-Jul-20	866.20	IRWD Check	Negotiable
410256	APEX SYSTEMS, LLC	30-Jul-20	8,645.00	IRWD Check	Negotiable
410257	ARMORCAST PRODUCTS COMPANY	30-Jul-20	14,620.61	IRWD Check	Negotiable
410258	ASIAN BUSINESS ASSOCIATION, ORANGE COUNTY	30-Jul-20	2,000.00	IRWD Check	Negotiable
410259	AT&T	30-Jul-20	1,193.40	IRWD Check	Negotiable
410260	AUSTIN HARDWOODS, INC	30-Jul-20	875.73	IRWD Check	Negotiable
410261	AUTOZONE PARTS, INC.	30-Jul-20	381.63	IRWD Check	Negotiable
410262	BIO CLEAN ENVIRONMENTAL SERVICES, INC	30-Jul-20	1,851.99	IRWD Check	Negotiable
410263	BIOENERGY ASSOCIATION OF CALIFORNIA	30-Jul-20	1,100.00	IRWD Check	Negotiable
410264	BLACK CHAMBER OF ORANGE COUNTY	30-Jul-20	2,500.00	IRWD Check	Negotiable
410265	BRIAN HOMSY	30-Jul-20	377.13	IRWD Check	Negotiable
410266	CALIFORNIA BARRICADE RENTAL, INC.	30-Jul-20	10,406.39	IRWD Check	Negotiable
410267	CANNON CORPORATION	30-Jul-20	971.00	IRWD Check	Negotiable
410268	CANON SOLUTIONS AMERICA, INC.	30-Jul-20	36.85	IRWD Check	Negotiable
410269	CAPTIVE AUDIENCE MARKETING INC.	30-Jul-20	79.00	IRWD Check	Negotiable
410270	CAROLLO ENGINEERS, INC	30-Jul-20	158,379.35	IRWD Check	Negotiable
410271	CHEM TECH INTERNATIONAL INC	30-Jul-20	18,772.14	IRWD Check	Negotiable
410272	CHW ENTERPRISES, INC.	30-Jul-20	1,067.41	IRWD Check	Negotiable
410273	CITY OF IRVINE	30-Jul-20	288.00	IRWD Check	Negotiable
410274	CITY OF LAKE FOREST	30-Jul-20	5,342.50	IRWD Check	Negotiable

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JULY 2020**

CHECK OR ELECTRONIC #	SUPPLIERS	PAYMENT DATE	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
410275	CITY OF SANTA ANA	30-Jul-20	353.45	IRWD Check	Negotiable
410276	CLA-VAL COMPANY	30-Jul-20	10,764.07	IRWD Check	Negotiable
410277	CONSOLIDATED ELECTRICAL DISTRIBUTORS, INC	30-Jul-20	12,834.38	IRWD Check	Negotiable
410278	CONSTELLATION NEWENERGY, INC.	30-Jul-20	691.36	IRWD Check	Negotiable
410279	CSAC EXCESS INSURANCE AUTHORITY	30-Jul-20	671,127.00	IRWD Check	Negotiable
410280	D & H WATER SYSTEMS INC.	30-Jul-20	195.67	IRWD Check	Negotiable
410281	DEALERS SERVICE COMPANY, INC	30-Jul-20	9,632.96	IRWD Check	Negotiable
410282	DELL MARKETING LP	30-Jul-20	44,494.83	IRWD Check	Negotiable
410283	DENALI WATER SOLUTIONS LLC	30-Jul-20	8,454.65	IRWD Check	Negotiable
410284	DEVELOPMENT AND CONSERVATION MANAGEMENT, INC.	30-Jul-20	3,000.00	IRWD Check	Negotiable
410285	DIRECTV INC	30-Jul-20	285.53	IRWD Check	Negotiable
410286	DUDEK	30-Jul-20	1,418.75	IRWD Check	Negotiable
410287	ENVIRONMENTAL EXPRESS INC	30-Jul-20	1,573.98	IRWD Check	Negotiable
410288	ENVIRONMENTAL RESOURCE ASSOCIATES	30-Jul-20	201.12	IRWD Check	Negotiable
410289	ENVIRONMENTAL SCIENCE ASSOCIATES	30-Jul-20	94,419.57	IRWD Check	Negotiable
410290	EUROFINS CALSCIENCE, LLC	30-Jul-20	315.00	IRWD Check	Negotiable
410291	EXECUTIVE LIGHTING & ELECTRIC	30-Jul-20	512.50	IRWD Check	Negotiable
410292	FAITHCO INC.	30-Jul-20	20,874.00	IRWD Check	Negotiable
410293	FEDEX	30-Jul-20	119.97	IRWD Check	Negotiable
410294	FERGUSON ENTERPRISES, LLC	30-Jul-20	7,030.69	IRWD Check	Negotiable
410295	FIRE EXTINGUISHING SAFETY & SERVICE	30-Jul-20	897.55	IRWD Check	Negotiable
410296	FISHER SCIENTIFIC COMPANY LLC	30-Jul-20	3,311.01	IRWD Check	Negotiable
410297	FRANCHISE TAX BOARD	30-Jul-20	80.00	IRWD Check	Negotiable
410298	FUEL SERV	30-Jul-20	1,212.01	IRWD Check	Negotiable
410299	FUSCOE ENGINEERING, INC.	30-Jul-20	991.00	IRWD Check	Negotiable
410300	GEORGE T HALL CO INC	30-Jul-20	4,215.98	IRWD Check	Negotiable
410301	GRAINGER	30-Jul-20	931.22	IRWD Check	Negotiable
410302	HABITAT RESTORATION SCIENCES, INC.	30-Jul-20	800.00	IRWD Check	Negotiable
410303	HALL GRIFFIN LLP	30-Jul-20	100.20	IRWD Check	Negotiable
410304	HDR ENGINEERING INC	30-Jul-20	3,541.75	IRWD Check	Negotiable
410305	HELPMATES STAFFING SERVICES	30-Jul-20	16,165.88	IRWD Check	Negotiable
410306	HI-LINE INC	30-Jul-20	296.75	IRWD Check	Negotiable
410307	HILL BROTHERS CHEMICAL COMPANY	30-Jul-20	15,124.00	IRWD Check	Negotiable
410308	HISPANIC CHAMBER OF COMMERCE OF ORANGE COUNTY	30-Jul-20	1,500.00	IRWD Check	Negotiable
410309	HOME DEPOT USA INC	30-Jul-20	699.04	IRWD Check	Negotiable
410310	INDUSTRIAL METAL SUPPLY CO	30-Jul-20	79.19	IRWD Check	Negotiable
410311	INDUSTRIAL SURPLUS AND SALVAGE	30-Jul-20	12,048.57	IRWD Check	Negotiable
410312	INORGANIC VENTURES INC	30-Jul-20	98.28	IRWD Check	Negotiable
410313	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	30-Jul-20	2,977.27	IRWD Check	Negotiable
410314	IRVINE PIPE & SUPPLY INC	30-Jul-20	803.74	IRWD Check	Negotiable
410315	IXOM WATERCARE INC	30-Jul-20	23,180.00	IRWD Check	Negotiable
410316	JACOBS ENGINEERING GROUP INC.	30-Jul-20	7,483.69	IRWD Check	Negotiable
410317	JASPER ENGINE EXCHANGE, INC.	30-Jul-20	3,176.91	IRWD Check	Negotiable
410318	JCI JONES CHEMICALS INC	30-Jul-20	9,277.59	IRWD Check	Negotiable
410319	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES	30-Jul-20	325.00	IRWD Check	Negotiable
410320	KIMBALL MIDWEST	30-Jul-20	2,027.48	IRWD Check	Negotiable
410321	KOREAN AMERICAN CHAMBER OF COMMERCE OF ORANGE COUNTY	30-Jul-20	500.00	IRWD Check	Negotiable
410322	LANDCARE HOLDINGS, INC.	30-Jul-20	35,286.47	IRWD Check	Negotiable
410323	LGC GEOTECHNICAL, INC.	30-Jul-20	1,517.50	IRWD Check	Negotiable
410324	LSA ASSOCIATES INC	30-Jul-20	3,692.58	IRWD Check	Negotiable
410325	LU'S LIGHTHOUSE, INC.	30-Jul-20	318.83	IRWD Check	Negotiable
410326	MADDOX ELECTRIC INC.	30-Jul-20	6,425.00	IRWD Check	Negotiable
410327	MBF CONSULTING, INC.	30-Jul-20	2,580.00	IRWD Check	Negotiable
410328	MC FADDEN-DALE INDUSTRIAL	30-Jul-20	318.40	IRWD Check	Negotiable
410329	MCCALL'S METERS, INC.	30-Jul-20	838.91	IRWD Check	Negotiable
410330	MICRO FOCUS SOFTWARE INC.	30-Jul-20	61,080.58	IRWD Check	Negotiable
410331	MILES CHEMICAL COMPANY, INC.	30-Jul-20	2,681.31	IRWD Check	Negotiable
410332	MSC INDUSTRIAL SUPPLY CO	30-Jul-20	1,054.15	IRWD Check	Negotiable
410333	MUNICIPAL MAINTENANCE EQUIPMENT INC	30-Jul-20	551.13	IRWD Check	Negotiable
410334	NALCO US 2 INC	30-Jul-20	565.69	IRWD Check	Negotiable
410335	NATIONAL READY MIXED CONCRETE SALES, LLC	30-Jul-20	1,242.19	IRWD Check	Negotiable
410336	NEPTUNE TECHNOLOGY GROUP, INC.	30-Jul-20	2,779.95	IRWD Check	Negotiable
410337	OCTA	30-Jul-20	4,324.00	IRWD Check	Negotiable
410338	OLIN CORPORATION	30-Jul-20	46,587.47	IRWD Check	Negotiable
410339	ONESOURCE DISTRIBUTORS LLC	30-Jul-20	1,187.57	IRWD Check	Negotiable
410340	ORANGE COUNTY AUTO PARTS CO	30-Jul-20	1,104.03	IRWD Check	Negotiable
410341	ORANGE COUNTY SANITATION DISTRICT	30-Jul-20	2,770.00	IRWD Check	Negotiable

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JULY 2020**

CHECK OR ELECTRONIC #	SUPPLIERS	PAYMENT DATE	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
410342	ORANGE COUNTY SHERIFF'S OFFICE	30-Jul-20	112.00	IRWD Check	Negotiable
410343	PARKHOUSE TIRE INC	30-Jul-20	963.49	IRWD Check	Negotiable
410344	PCL CONSTRUCTION, INC.	30-Jul-20	56,408.73	IRWD Check	Negotiable
410345	PERS LONG TERM CARE	30-Jul-20	538.89	IRWD Check	Negotiable
410346	PLUMBERS DEPOT INC.	30-Jul-20	2,398.56	IRWD Check	Negotiable
410347	POLYDYNE INC	30-Jul-20	5,883.15	IRWD Check	Negotiable
410348	PRAXAIR DISTRIBUTION INC	30-Jul-20	440.20	IRWD Check	Negotiable
410349	PRO MOBILE AUTO DETAILING	30-Jul-20	300.00	IRWD Check	Negotiable
410350	PRUDENTIAL OVERALL SUPPLY	30-Jul-20	11,446.47	IRWD Check	Negotiable
410351	PSOMAS	30-Jul-20	7,188.40	IRWD Check	Negotiable
410352	QUICK CRETE PRODUCTS CORP.	30-Jul-20	1,933.04	IRWD Check	Negotiable
410353	RAM AIR ENGINEERING INC	30-Jul-20	645.00	IRWD Check	Negotiable
410354	RESTEK CORPORATION	30-Jul-20	590.07	IRWD Check	Negotiable
410355	RINCON TRUCK CENTER INC.	30-Jul-20	2,331.40	IRWD Check	Negotiable
410356	RIVERROCK REAL ESTATE GROUP, INC.	30-Jul-20	2,000.00	IRWD Check	Negotiable
410357	ROSE PAVING LLC	30-Jul-20	52,376.25	IRWD Check	Negotiable
410358	SANTA ANA BLUE PRINT	30-Jul-20	988.96	IRWD Check	Negotiable
410359	SANTA MARGARITA FORD	30-Jul-20	352.50	IRWD Check	Negotiable
410360	SCHINDLER ELEVATOR CORPORATION	30-Jul-20	229.11	IRWD Check	Negotiable
410361	SCHWEITZER ENGINEERING LABORATORIES, INC.	30-Jul-20	142.23	IRWD Check	Negotiable
410362	SHAMROCK SUPPLY CO INC	30-Jul-20	167.02	IRWD Check	Negotiable
410363	SIRIUS COMPUTER SOLUTIONS INC	30-Jul-20	62,808.86	IRWD Check	Negotiable
410364	SOUTH ORANGE COUNTY WASTEWATER AUTHORITY	30-Jul-20	48,717.00	IRWD Check	Negotiable
410365	SOUTHERN CALIFORNIA EDISON COMPANY	30-Jul-20	58,397.18	IRWD Check	Negotiable
410366	SOUTHERN CALIFORNIA GAS COMPANY	30-Jul-20	4,302.85	IRWD Check	Negotiable
410367	SOUTHLAND WATER TECHNOLOGIES LLC	30-Jul-20	270.14	IRWD Check	Negotiable
410368	SPARKLETT'S	30-Jul-20	164.98	IRWD Check	Negotiable
410369	STERIS CORPORATION	30-Jul-20	5,379.42	IRWD Check	Negotiable
410370	STETSON ENGINEERS INC.	30-Jul-20	2,151.25	IRWD Check	Negotiable
410371	SUMMIT CHEMICAL SPECIALTY PRODUCTS	30-Jul-20	11,864.64	IRWD Check	Negotiable
410372	SWAINS ELECTRIC MOTOR SERVICE	30-Jul-20	8,798.48	IRWD Check	Negotiable
410373	TAIT ENVIRONMENTAL SERVICES, INC.	30-Jul-20	3,799.96	IRWD Check	Negotiable
410374	TESCO CONTROLS, INC.	30-Jul-20	700.00	IRWD Check	Negotiable
410375	TEVORA BUSINESS SOLUTIONS, INC.	30-Jul-20	6,906.67	IRWD Check	Negotiable
410376	THE IRVINE COMPANY	30-Jul-20	1,980.24	IRWD Check	Negotiable
410377	THOMPSON INDUSTRIAL SUPPLY	30-Jul-20	987.45	IRWD Check	Negotiable
410378	TROPICAL PLAZA NURSERY INC	30-Jul-20	8,341.00	IRWD Check	Negotiable
410379	UNITED PARCEL SERVICE INC	30-Jul-20	257.86	IRWD Check	Negotiable
410380	URBAN WATER INSTITUTE INC	30-Jul-20	1,250.00	IRWD Check	Negotiable
410381	US BANK NAT'L ASSOCIATION NORTH DAKOTA	30-Jul-20	46,435.71	IRWD Check	Negotiable
410382	VWR INTERNATIONAL, LLC	30-Jul-20	689.70	IRWD Check	Negotiable
410383	WARE MALCOMB	30-Jul-20	2,288.00	IRWD Check	Negotiable
410384	WECK LABORATORIES INC	30-Jul-20	300.00	IRWD Check	Negotiable
410385	WEST COAST SAND & GRAVEL INC.	30-Jul-20	855.30	IRWD Check	Negotiable
410386	WESTERN AV	30-Jul-20	4,405.90	IRWD Check	Negotiable
410387	YORKE ENGINEERING, LLC	30-Jul-20	6,462.50	IRWD Check	Negotiable
SUB-TOTAL CHECK DISBURSEMENTS			9,340,955.02		
13858	INTERNAL REVENUE SERVICE	2-Jul-20	215,687.98	IRWD Wire	Negotiable
13859	FRANCHISE TAX BOARD	2-Jul-20	66,125.26	IRWD Wire	Negotiable
13860	EMPLOYMENT DEVELOPMENT DEPARTMENT	2-Jul-20	15,507.22	IRWD Wire	Negotiable
13861	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	2-Jul-20	3,026.40	IRWD Wire	Negotiable
13862	GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY	2-Jul-20	154,736.48	IRWD Wire	Negotiable
13863	U.S. BANK NATIONAL ASSOCIATION	2-Jul-20	70,629.94	IRWD Wire	Negotiable
13864	SUMITOMO MITSUI BANKING CORPORATION	2-Jul-20	38,323.40	IRWD Wire	Negotiable
13865	BANK OF AMERICA	2-Jul-20	42,174.55	IRWD Wire	Negotiable
13866	BANK OF NEW YORK MELLON TRUST COMPANY NA	2-Jul-20	3,769.14	IRWD Wire	Negotiable
13867	U.S. BANK NATIONAL ASSOCIATION	2-Jul-20	2,404.41	IRWD Wire	Negotiable
13868	BANK OF AMERICA	2-Jul-20	3,244.28	IRWD Wire	Negotiable
13869	SUMITOMO MITSUI BANKING CORPORATION	2-Jul-20	1,500,135.25	IRWD Wire	Negotiable
13870	CHARD SNYDER & ASSOCIATES, INC.	6-Jul-20	17,172.33	IRWD Wire	Negotiable
13871	CHARD SNYDER & ASSOCIATES, INC.	6-Jul-20	3,453.20	IRWD Wire	Negotiable
13872	CALPERS	6-Jul-20	232,236.31	IRWD Wire	Negotiable
13873	YORK INSURANCE SERVICES GROUP INC - CA	7-Jul-20	580.00	IRWD Wire	Negotiable
13874	CHARD SNYDER & ASSOCIATES, INC.	8-Jul-20	1,501.90	IRWD Wire	Negotiable
13875	U.S. BANK NATIONAL ASSOCIATION	8-Jul-20	1,395.42	IRWD Wire	Negotiable
13876	SUMITOMO MITSUI BANKING CORPORATION	8-Jul-20	4,057.39	IRWD Wire	Negotiable

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JULY 2020**

CHECK OR ELECTRONIC #	SUPPLIERS	PAYMENT DATE	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
13877	CALPERS	8-Jul-20	544,648.81	IRWD Wire	Negotiable
13878	CALPERS	8-Jul-20	2,953.07	IRWD Wire	Negotiable
13879	CHARD SNYDER & ASSOCIATES, INC.	13-Jul-20	5,781.66	IRWD Wire	Negotiable
13880	CHARD SNYDER & ASSOCIATES, INC.	13-Jul-20	5,504.57	IRWD Wire	Negotiable
13881	FILANC-BALFOUR BEATTY JV	13-Jul-20	94,990.94	IRWD Wire	Negotiable
13882	WELLS FARGO BANK, N.A.	14-Jul-20	6,931.57	IRWD Wire	Negotiable
13883	YORK INSURANCE SERVICES GROUP INC - CA	14-Jul-20	3,337.10	IRWD Wire	Negotiable
13884	CALPERS	14-Jul-20	5,888,727.00	IRWD Wire	Negotiable
13885	CALPERS	15-Jul-20	1,439.76	IRWD Wire	Negotiable
13886	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	16-Jul-20	1,115,970.12	IRWD Wire	Negotiable
13887	CHARD SNYDER & ASSOCIATES, INC.	20-Jul-20	3,696.99	IRWD Wire	Negotiable
13888	CHARD SNYDER & ASSOCIATES, INC.	20-Jul-20	1,532.66	IRWD Wire	Negotiable
13889	YORK INSURANCE SERVICES GROUP INC - CA	21-Jul-20	2,075.71	IRWD Wire	Negotiable
13890	INTERNAL REVENUE SERVICE	21-Jul-20	221,643.12	IRWD Wire	Negotiable
13891	FRANCHISE TAX BOARD	21-Jul-20	67,078.42	IRWD Wire	Negotiable
13892	EMPLOYMENT DEVELOPMENT DEPARTMENT	21-Jul-20	15,555.06	IRWD Wire	Negotiable
13893	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	21-Jul-20	3,026.40	IRWD Wire	Negotiable
13894	GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY	21-Jul-20	175,483.96	IRWD Wire	Negotiable
13895	CALPERS	23-Jul-20	22,077.18	IRWD Wire	Negotiable
13896	CALPERS	23-Jul-20	248,758.58	IRWD Wire	Negotiable
13897	CHARD SNYDER & ASSOCIATES, INC.	27-Jul-20	2,663.30	IRWD Wire	Negotiable
13898	CHARD SNYDER & ASSOCIATES, INC.	27-Jul-20	2,296.89	IRWD Wire	Negotiable
13899	ORANGE COUNTY WATER DISTRICT	27-Jul-20	10,832,633.20	IRWD Wire	Negotiable
13900	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	30-Jul-20	1,379,783.40	IRWD Wire	Negotiable
13901	YORK INSURANCE SERVICES GROUP INC - CA	28-Jul-20	3,249.60	IRWD Wire	Negotiable
13902	BANK OF NEW YORK MELLON TRUST COMPANY NA	29-Jul-20	2,650,512.50	IRWD Wire	Negotiable
13903	REGENTS OF THE UNIVERSITY OF CALIFORNIA	30-Jul-20	10,000.00	IRWD Wire	Negotiable
13904	CALPERS	30-Jul-20	247,917.74	IRWD Wire	Negotiable
13905	INTERNAL REVENUE SERVICE	30-Jul-20	229,362.74	IRWD Wire	Negotiable
13906	FRANCHISE TAX BOARD	30-Jul-20	69,894.81	IRWD Wire	Negotiable
13907	EMPLOYMENT DEVELOPMENT DEPARTMENT	30-Jul-20	15,259.64	IRWD Wire	Negotiable
13908	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	30-Jul-20	2,450.40	IRWD Wire	Negotiable
13909	GREAT-WEST LIFE & ANNUITY INSURANCE COMPANY	30-Jul-20	166,849.57	IRWD Wire	Negotiable
SUB-TOTAL ELECTRONIC DISBURSEMENTS			26,420,247.33		
SUB-TOTAL AP CHECK AND ELECTRONIC DISBURSEMENTS			35,761,202.35		
409805	FILANC-BALFOUR BEATTY JV	2-Jul-20	110,000.00	IRWD Check	Voided
409811	IDEA HALL	2-Jul-20	6,418.00	IRWD Check	Voided
409815	KPRS CONSTRUCTION SERVICES, INC.	2-Jul-20	930,544.00	IRWD Check	Voided
409817	LENNAR HOMES	2-Jul-20	250,000.00	IRWD Check	Voided
409819	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	2-Jul-20	23,099.54	IRWD Check	Voided
409821	ORANGE COUNTY WATER DISTRICT	2-Jul-20	2,093,225.32	IRWD Check	Voided
409829	SUKLE ADVERTISING INC.	2-Jul-20	36,639.93	IRWD Check	Voided
410193	ORANGE COUNTY SHERIFF'S OFFICE	23-Jul-20	174.50	IRWD Check	Voided
SUB-TOTAL CHECK AND ELECTRONIC ISSUED AND VOIDED IN JULY 2020			3,450,101.29		
TOTAL AP DISBURSEMENTS AND VOIDS FOR JULY 2020			39,211,303.64		

Exhibit "E"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

July
2020

	AMOUNT	VENDOR	PURPOSE
7/3/2020	1,050,252.02	BANK OF AMERICA	ACH Payments for Payroll
7/17/2020	1,062,949.01	BANK OF AMERICA	ACH Payments for Payroll
7/31/2020	1,063,231.96	BANK OF AMERICA	ACH Payments for Payroll
	<u><u>\$3,176,432.99</u></u>		

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Exhibit "F"

IRWD Gov Code 53065.5 Disclosure Report

Payment or Reimbursements for Individual charges of \$100 or more per transaction for services or product received.
01-JUL-20 to 31-JUL-20

NAME	CHECK NO.	CHECK DATE	AMOUNT	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Barreto, Gus	409798	2-Jul-20	113.24	Other(Misc)	Provided lunch for Biosolids crew
Chauv, Denise	409969	16-Jul-20	192.00	Membership Renewal	CWEA membership
Escalante, Alexander	409832	9-Jul-20	150.00	Certification Renewal	SWRCB Wastewater Operator Grade V
Legault, Dan	409833	9-Jul-20	151.42	Other(Misc)	Safety Shoe Allowance
McElroy, Dorien	410245	30-Jul-20	104.00	Certification Renewal	CWEA Collection Systems Maintenance Grade IV
Paulson, David	410246	30-Jul-20	120.00	Membership Renewal	SWRCB Water Treatment Grade V Exam Fee
Paulson, David	410246	30-Jul-20	105.00	Certification Renewal	SWRCB Water Treatment Grade V Certification Fee
Silva, Jose	409972	16-Jul-20	168.55	Other(Misc)	Safety Shoe Allowance
Total Amount:			\$1,104.21		

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August 24, 2020

Prepared by: C. Compton

Approved by: Paul A. Cook 

CONSENT CALENDAR

NOMINATION OF MARY AILEEN MATHEIS AS THE THIRD VICE PRESIDENT OF ISDOC AND AS A MEMBER OF THE ISDOC EXECUTIVE COMMITTEE

SUMMARY:

The Independent Special Districts of Orange County (ISDOC) is seeking candidates to serve as the association's officers and on its Executive Committee for the 2021-2022 term. The deadline for submittal of candidate nominations is September 11, 2020. Staff recommends the Board adopt a resolution nominating Director Mary Aileen Matheis to serve on the ISDOC Executive Committee for the 2021-2022 term and nominating her to serve as Third Vice President of the association.

BACKGROUND:

ISDOC is a membership association of Orange County's 27 independent special districts. Its purpose is to advance the interests of Orange County special districts through advocacy of sound public policy, educational opportunities to enhance special district governance and the services, and collaboration with others to elevate awareness of the role of special districts. ISDOC does not have any responsibility for the Orange County Special Districts Selection Committee, which is a separate and unrelated entity.

ISDOC is currently seeking candidates who are board members or trustees of regular ISDOC member agencies to serve as its officers and on its Executive Committee for the 2021-2022 term. The ISDOC Executive Committee determines the direction and focus of ISDOC issues and activities as well as supports the fulfillment of ISDOC's goals. The Executive Committee is comprised of the ISDOC President, First Vice President, Second Vice President, Third Vice President, Secretary, Treasurer, and the Immediate Past President with responsibilities as follows:

President: The President is the chief executive officer of ISDOC. He or she presides at all meetings of the Board of Directors and the Executive Committee, appoint all committees, and represents ISDOC as its official spokesperson;

First Vice President: The First Vice President chairs the Program Committee and, in the absence of the President, serves as the President;

Second Vice President: The Second Vice-President chairs the Membership Committee, and in the absence of the President and First Vice President, serves as the President;

Third Vice President: The Third Vice President chairs the Legislative Committee and, in the absence of the President, First Vice President, and Second Vice President, serves as the President;

Secretary: The Secretary is responsible for all correspondences and the dissemination of information to members. The Secretary prepares and distributes agendas and minutes for the Executive Committee meeting and edits and publishes the quarterly newsletter; and

Treasurer: The Treasurer maintains ISDOC financial records and bank accounts, collects dues and other receipts, and pays all bills duly approved by the Executive Committee.

Consent Calendar: Nomination of Mary Aileen Matheis as the Third Vice President of ISDOC and as a Member of the ISDOC Executive Committee
August 24, 2020
Page 2

Director Matheis is current serving as the Third Vice President and has expressed interest in serving as a member of the ISDOC Executive Committee as ISDOC's Third Vice President again for the 2021-2022 term. Provided as Exhibit "A" is a Board resolution nominating Director Matheis for this position.

The election of ISDOC's officers will take place in September and October after the nomination period has closed on September 11, 2020. The new officers will be announced at the October 29, 2020, ISDOC general membership meeting.

FISCAL IMPACTS:

Event expenses and director fees will be incurred by Director Matheis to attend ISDOC Executive Committee meetings and other ISDOC meetings held in Orange County.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

RECOMMENDATION:

THAT THE BOARD ADOPT THE FOLLOWING RESOLUTION BY TITLE NOMINATING DIRECTOR MARY AILEEN MATHEIS TO SERVE ON THE INDEPENDENT SPECIAL DISTRICTS OF ORANGE COUNTY EXECUTIVE COMMITTEE FOR THE 2021-2022 TERM IN THE ROLE OF THIRD VICE PRESIDENT.

RESOLUTION NO. 2020-

RESOLUTION OF THE BOARD OF DIRECTORS OF THE
IRVINE RANCH WATER DISTRICT, ORANGE COUNTY,
CALIFORNIA NOMINATING MARY AILEEN MATHEIS FOR THE
OFFICE OF THIRD VICE PRESIDENT OF THE INDEPENDENT SPECIAL DISTRICTS
OF ORANGE COUNTY AND AS A MEMBER OF ITS EXECUTIVE COMMITTEE

LIST OF EXHIBITS:

Exhibit "A" – Resolution for Nomination of Director Matheis for the Office of Third Vice President of ISDOC

EXHIBIT "A"

RESOLUTION NO. 2020-

RESOLUTION OF THE BOARD OF DIRECTORS OF THE
IRVINE RANCH WATER DISTRICT, ORANGE COUNTY,
CALIFORNIA NOMINATING MARY AILEEN MATHEIS FOR THE
OFFICE OF THIRD VICE PRESIDENT OF THE INDEPENDENT SPECIAL DISTRICTS
OF ORANGE COUNTY AND AS A MEMBER OF ITS EXECUTIVE COMMITTEE

WHEREAS, the Board of Directors of the Irvine Ranch Water District does encourage and support the participation of its members in the affairs of the Independent Special Districts of Orange County (ISDOC); and

WHEREAS, Mary Aileen Matheis has indicated a desire to continue to serve as a member of the Executive Committee of ISDOC.

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

Section 1. Does place its full and unreserved support in the nomination of Mary Aileen Matheis for the office of Third Vice President of ISDOC and as a member of the ISDOC Executive Committee, and the Secretary is hereby directed to forward a certified copy of this resolution to the Independent Special Districts of Orange County; and

Section 2. Does hereby determine that the expenses attendant with the service of Mary Aileen Matheis in ISDOC shall be borne by the Irvine Ranch Water District.

ADOPTED, SIGNED AND APPROVED this 24th day of August, 2020.

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

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

APPROVED AS TO FORM:
HANSON BRIDGETT LLP

Legal Counsel

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August 24, 2020
Prepared by: R. Jacobson
Submitted by: C. Clary
Approved by: Paul A. Cook 

CONSENT CALENDAR

SAND CANYON PROFESSIONAL CENTER PHASE II
OFFICE BUILDING FINAL ACCEPTANCE

SUMMARY:

Construction of the Sand Canyon Professional Center Phase II office construction project is complete. IRWD's contractor KPRS Construction has completed the required work and is scheduled to complete remaining punch list items by August 31, 2020. The project has received final inspection from the City of Irvine and acceptance of construction is recommended.

BACKGROUND:

Ware Malcomb completed the project design in August 2016. KPRS Construction was awarded the construction contract on November 16, 2018 and completed construction of the for-lease office building on August 18, 2020. Staff processed contract change orders during construction as described on the contract change order summary provided as Exhibit "A".

Project Title:	Sand Canyon Professional Center Phase II
Project No.:	06210
Design Architect/Engineer:	Ware Malcomb
Management by:	Newport Real Estate Services, Inc.
Contractor:	KPRS Construction
Original Contract Cost:	\$17,992,969.00
Final Contract Cost:	\$19,198,947.24
Original Contract Days:	349
Final Contract Days:	646
Final Change Order Approved On:	August 18, 2020

FISCAL IMPACTS:

Project No. 06210 is included in the FY 2020-21 Capital Budget. The existing budget is sufficient to fund the final payment for this project.

ENVIRONMENTAL COMPLIANCE:

A Final Environmental Impact Report has been prepared, certified and the project approved by the County of Orange Environmental Management Agency in compliance with the California Environmental Quality Act (CEQA) of 1970 (as amended), codified at California Public Resources Code Sections 21000 et. seq., and the State CEQA Guidelines in the Code of Regulations, Title 14, Division 6, Chapter 3.

COMMITTEE STATUS:

This item was not reviewed by a Committee.

RECOMMENDATION:

THAT THE BOARD ACCEPT CONSTRUCTION OF THE SAND CANYON PROFESSIONAL CENTER PHASE II, PROJECT 06210, AUTHORIZE THE GENERAL MANAGER TO FILE A NOTICE OF COMPLETION, AND AUTHORIZE THE RELEASE OF RETENTION 35 DAYS AFTER FILING OF THE NOTICE OF COMPLETION.

LIST OF EXHIBITS:

Exhibit "A" – Summary of Construction Change Orders

Exhibit "A"

**Constuction Sand Canyon Office Building
PR 06210
Contract Change Order Summary**

Date: August 19, 2020
Contractor: KPRS Construction Services Inc.
Design Engineer: Ware Malcomb

			Contract Amount						Contract Days				Original Completion Date:
			Original Contract Amount: \$17,992,969.00						Original Days: 349				11/19/2019
Change Order No.	Description	Category	Change Order Line Item Amount	Change Order Amount	Previous Change Orders	Cumulative Total of Change Orders	% of Original Contract Amount	Revised Contract Amount	Change Order Days	Previous Change Order Days	Cum. Change Order Days	Revised Total Contract Days	Revised Completion Date
1	Approved by Director of Treasury and Risk Management Approved on April 29, 2019 <u>PCCO# 001</u> <u>PCCO# 002</u> <u>PCCO# 003</u>		(\$30,270.00) \$19,316.48 \$48,079.28	\$37,125.76	\$ -	\$ 37,125.76	0.21%	\$18,030,094.76	4	0	4	353	11/23/2019
2	Approved by Board of Directors Approved on May 22, 2019 <u>PCCO# 004</u>		\$165,158.85	\$165,158.85	\$ 37,125.76	\$ 202,284.61	1.12%	\$18,195,253.61	54	4	58	407	1/16/2020
3	Approved by Executive Director of Finance and Administration Approved on June 07, 2019 <u>PCCO# 005</u>		\$72,846.42	\$72,846.42	\$ 202,284.61	\$275,131.03	1.53%	\$18,268,100.03	0	58	58	407	1/16/2020
4	Approved by General Manager Approved on August 30, 2019 <u>PCCO# 006</u>		\$90,077.89	\$90,077.89	\$275,131.03	\$365,208.92	2.03%	\$18,358,177.92	15	58	73	422	1/31/2020
5	Approved by Director of Treasury and Risk Management Approved on September 30, 2019 <u>PCCO# 007</u>		\$29,137.17	\$29,137.17	\$365,208.92	\$394,346.09	2.19%	\$18,387,315.09	10	73	83	432	2/10/2020
6	Approved by Board of Directors Approved on December 16, 2019 <u>PCCO# 008</u>		\$209,900.97	\$209,900.97	\$394,346.09	\$604,247.06	3.36%	\$18,597,216.06	90	83	173	522	5/10/2020
7	Approved by General Manager Approved on January 29, 2020 <u>PCCO# 009</u>		\$156,106.13	\$156,106.13	\$604,247.06	\$760,353.19	4.23%	\$18,753,322.19	7	173	180	529	5/17/2020
8	Approved by Director of Treasury and Risk Management Approved on March 25, 2020 <u>PCCO# 010</u>		\$66,507.96	\$66,507.96	\$760,353.19	\$826,861.15	4.60%	\$18,819,830.15	22	180	202	551	6/8/2020
9	Approved by Executive Director of Finance and Administration Approved on May 04, 2020 <u>PCCO# 011</u>		\$103,308.60	\$103,308.60	\$826,861.15	\$930,169.75	5.17%	\$18,923,138.75	21	202	223	572	6/29/2020
10	Approved by Executive Director of Finance and Administration Approved on June 18, 2020 <u>PCCO# 012</u>		\$103,368.65	\$103,368.65	\$930,169.75	\$1,033,538.40	5.74%	\$19,026,507.40	21	223	244	593	7/20/2020
11	Approved by Executive Director of Finance and Administration Approved on July 22, 2020 <u>PCCO# 013</u>		\$77,776.88	\$77,776.88	\$1,033,538.40	\$1,111,315.28	6.18%	\$19,104,284.28	41	244	285	634	8/30/2020
12	Approved by Director of Treasury and Risk Management Approved on <u>PCCO# 014</u>		\$48,114.56	\$48,114.56	\$1,111,315.28	\$1,159,429.84	6.44%	\$19,152,398.84	4	285	289	638	9/3/2020
13	Approved by Director of Treasury and Risk Management Approved on <u>PCCO# 015</u>		\$46,548.40	\$46,548.40	\$1,159,429.84	\$1,205,978.24	6.70%	\$19,198,947.24	8	289	297	646	9/11/2020

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August 24, 2020

Prepared by: T. Lynch/J. McGehee/R. Mori

Submitted by: K. Burton

Approved by: Paul A. Cook 

CONSENT CALENDAR

LAKE FOREST ZONE C RECYCLED WATER PIPELINE IN VISTA TERRACE AND ZONE B TO C PUMP STATION PIPING IMPROVEMENTS CONSTRUCTION AWARD

SUMMARY:

The Lake Forest Zone C Recycled Water Pipeline in Vista Terrace and Zone B to C Pump Station Piping Improvements project includes construction of approximately 1,700 feet of 16-inch steel pipeline and construction of piping laterals for the proposed Zone B to C pump station in the City of Lake Forest. Staff recommends the Board authorize the General Manager to execute a construction contract with Paulus Engineering in the amount of \$599,168 for the Lake Forest Zone C Recycled Water Pipeline in Vista Terrace and Zone B to C Pump Station Piping Improvements.

BACKGROUND:

Staff completed an evaluation to identify methods to increase operational flexibility and improve water quality in the Lake Forest Zone C recycled water system, which receives its water supply from the Los Alisos Water Recycling Plant (LAWRP) and Santa Margarita Water District's (SMWD) Upper Oso Reservoir. The evaluation resulted in the following recommendations:

- Cover IRWD's existing Zone B East Reservoir;
- Establish a closed-loop Zone C distribution system with water only supplied from LAWRP; and
- Construct a bi-directional metered interconnection with SMWD that can be used to transfer recycled water between IRWD and SMWD as needed.

The installation of the cover is complete, and staff is now proceeding with the design of the new pump station and interconnection with SMWD. This project includes construction of the pipeline to establish the closed-loop Zone C system and various piping laterals into and out of the site for the proposed Zone B to C pump station. A location map is provided as Exhibit "A".

Construction Award:

The project was designed by West Yost Associates and advertised for construction bidding to a select list of 17 pipeline contractors. The bid opening was held August 13, 2020 with bids received from Paulus Engineering, Ferreira Construction Co., T.E. Roberts, GCI Construction, Mladen Buntich Construction, and Gwinco Corp. Paulus Engineering is the apparent low bidder with a bid amount of \$599,168. The engineer's estimate, prepared by West Yost Associates, is \$670,000. Paulus Engineering's bid information is provided as Exhibit "B", and a summary of the six bids received is provided in the following table.

Consent Calendar: Lake Forest Zone C Recycled Water Pipeline in Vista Terrace and Zone B to C Pump Station Piping Improvements Construction Award

August 24, 2020

Page 2

Bidder	Bid Amount
Paulus Engineering	\$599,168.00
Ferreira Construction Co.	\$787,067.00
T.E. Roberts	\$879,766.00
GCI Construction.	\$943,058.52
Mladen Buntich Construction, Co.	\$989,875.00
Gwinco Corp.	\$1,349,903.00
<i>Engineer's Estimate</i>	<i>\$670,000.00</i>

Staff reviewed Paulus Engineering, Inc.'s bid and has determined that it is responsive. Staff recommends the Board authorize the General Manager to award a construction contract to Paulus Engineering in the amount of \$599,168.

FISCAL IMPACTS:

Project 11236 is included in the FY 2020-21 Capital Budget and will be funded by the Lake Forest Opportunities Study Area Improvement District 2850. The existing budget and expenditure authorization are sufficient to fund the construction contract.

ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) and in conformance with California Code of Regulation, Title 14, Chapter 3, Section 15282 in that the installation of new pipeline or maintenance, repair restoration, removal, or demolition of an existing pipeline as set forth in Section 21080.21 of the Public Resources Code, as long as the project does not exceed one mile in length. This project is also exempt per Section 15301(b) which provides exclusion for minor alteration of public facilities. A Notice of Exemption for the project was filed with the County of Orange on December 11, 2019.

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH PAULUS ENGINEERING, INC. IN THE AMOUNT OF \$599,168 FOR THE LAKE FOREST ZONE C RECYCLED WATER PIPELINE IN VISTA TERRACE AND ZONE B TO C PUMP STATION PIPING IMPROVEMENTS, PROJECT 11236.

LIST OF EXHIBITS:

Exhibit "A" – Location Map

Exhibit "B" – Bid Results

EXHIBIT "A"
Location Map



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Bid Results**Bidder Details**

Vendor Name Paulus Engineering, Inc.
Address 2871 E Coronado St
 Anaheim, CA 92806
 United States

Respondee Rory Campbell
Respondee Title Chief Estimator
Phone 714-632-3975 Ext.
Email campbell@paulusengineering.com

Vendor Type CADIR
License # 724114
CADIR 1000000540

Bid Detail

Bid Format Electronic
Submitted August 13, 2020 1:11:29 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 223359
Ranking 0

Respondee Comment**Buyer Comment****Attachments**

File Title	File Name	File Type
Bid Docs	220136 Bid Docs.pdf	Bid Form

Line Items

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
BASE BID ITEMS						
1	Mobilization, Demobilization and Cleanup (not to exceed 4% of Total Amount of Bid)	LS	1	\$13,500.00	\$13,500.00	
2	Payment and Performance Bonds, and Insurance	LS	1	\$9,500.00	\$9,500.00	
3	Traffic Control	LS	1	\$17,850.00	\$17,850.00	
4	Develop Construction Water	LS	1	\$4,580.00	\$4,580.00	
5	Trench Safety Measures	LS	1	\$3,500.00	\$3,500.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
6	Dewatering	LS	1	\$1.00	\$1.00	
7	Furnish and Install 16" CML&C Steel Pipeline	LF	1649	\$149.00	\$245,701.00	
8	Furnish and Install 12" CML&C Steel Pipeline	LF	144	\$393.00	\$56,592.00	
9	Remove Existing 6" PVC Sch 40 Pipe, Furnish and Install 10" SDR 35 PVC Sewer Pipeline	LF	47	\$531.00	\$24,957.00	
10	Furnish and Install 16" Butterfly Valve	EA	1	\$6,650.00	\$6,650.00	
11	Furnish and Install 12" Butterfly Valves	EA	4	\$4,600.00	\$18,400.00	
12	Furnish and Install Two Wire Cathodic Protection Test Stations	EA	4	\$1,570.00	\$6,280.00	
13	Demolish Existing Domestic Water Sample Stations	EA	3	\$1,220.00	\$3,660.00	
14	Connect to Existing 12" PVC Pipeline in Intersection of Lake Forest Drive and Vista Terrace	LS	1	\$16,800.00	\$16,800.00	
15	Connect to Existing 16" CML&C Steel Pipeline in Intersection of Vista Terrace and Lake Forest Sports Park	LS	1	\$13,150.00	\$13,150.00	
16	Remove and Dispose of Existing 12" Butterfly Valve in Intersection of Rancho Parkway South and Orchard Road	LS	1	\$10,000.00	\$10,000.00	
17	Cut and Cap Existing Water Pipelines	EA	2	\$1,540.00	\$3,080.00	
18	Remove and Dispose of Existing Trees	EA	3	\$3,900.00	\$11,700.00	
19	Remove and Replace Damaged Landscaping, Irrigation, Concrete Curbs and Gutters, and Decorative Median in Lake Forest Drive	LS	1	\$2,500.00	\$2,500.00	
20	Remove and Replace Existing Concrete Driveway, Sidewalk, and Curb and Gutter for Future Lake Forest Zone B to C Pump Station	LS	1	\$23,300.00	\$23,300.00	
21	1-1/2" Grind and Overlay, Grade PG 64-10 Type III C2	SF	13000	\$2.66	\$34,580.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
22	Trench Repair per City of Lake Forest Trench Backfill and Roadway Repair Detail	SF	5400	\$11.50	\$62,100.00	
23	Hydrostatic Testing and Flushing	LS	1	\$6,260.00	\$6,260.00	
24	Erosion Control Measures	LS	1	\$1,527.00	\$1,527.00	
25	Record Drawings	LS	1	\$3,000.00	\$3,000.00	
Subtotal					\$599,168.00	
ADDITION OR DEDUCTION LINE ITEM						
26	ADDITION (+) OR DEDUCTION (-)	LS	1	0	0	
Subtotal					0	
Total					\$599,168.00	

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
V & E Tree Service PO Box 3280 Orange, CA 92865 United States	Tree Removal	654506	1000001936	\$11,500.00	CADIR
Hardy & Harper, Inc. 1312 E. Warner Ave Santa Ana, CA 92705 United States	Grind & Cap	215952	1000000076	\$33,800.00	

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August 24, 2020
Prepared by: J. Dayer
Submitted by: R. Mykitta / W. Chambers
Approved by: Paul A. Cook *P. A. Cook*

CONSENT CALENDAR

FACILITIES SYSTEMS REPLACEMENT PROJECTS CONSTRUCTION AWARD AND BUDGET INCREASE

SUMMARY:

Staff has developed a scope of work to remodel IRWD's Sand Canyon building and reconfigure interior layouts to provide more efficient use of office space. Additional funding is necessary to replace office furniture to implement the revised office space plan. Staff recommends the Board authorize a budget increase for Projects 11160 and 11161 in the amount of \$200,000 each, from \$200,000 to \$400,000, and for Project 11163 in the amount of \$100,000, from \$100,000 to \$200,000, for a total of \$500,000, and authorize the General Manager to execute a contract with Pivot Interiors, Inc. in the amount of \$463,755 for the Facilities Systems Replacement Projects.

BACKGROUND:

On June 22, 2020, a construction contract was awarded to Layton Construction for the Sand Canyon Office Improvements Project. This project will update the interior of the building, most elements of which are from the original construction in 1992. Staff workspaces and customer interface areas will also be reconfigured to account for current and future needs. With most of the Sand Canyon staff working remotely due to COVID-19, the project will be completed prior to staff returning to work at the Sand Canyon building full time.

In addition to the construction improvements mentioned above, staff cubicles are to be reconfigured to efficiently maximize the available workspace. Pivot Interiors, Inc., a leader in interior workspace design and an authorized distributor of Herman-Miller Ethospace, was retained to complete the design and prepare a bill of materials required to construct the enhanced cubicle layouts. To minimize the investment in new components, the color and design of the existing Herman-Miller Ethospace cubicle system has been retained and many parts will be repurposed. Replacement materials along with added materials are required to complete the project at a cost of \$463,755.

FISCAL IMPACTS:

Projects 11160 (Domestic Water), 11161 (Recycled Water) and 11163 (Sewer) are included in the Fiscal Year 2020-21 Capital Budget. These capital budget projects are typically utilized for the numerous replacement projects implemented by the District's Facilities Department. The recommended increases are to account for the purchase and installation of cubicle materials as needed from Pivot. The recommended increases to the existing budgets are allocated among Projects 11160, 11161, and 11163 to fund replacement of the Sand Canyon building office furniture, as shown on the following table:

Project No.	Current Budget	Addition <Reduction>	Total Budget
11160	\$200,000	\$200,000	\$400,000
11161	\$200,000	\$200,000	\$400,000
11163	\$100,000	\$100,000	\$200,000
Total	\$500,000	\$500,000	\$1,000,000

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

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

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE FOR PROJECTS 11160 AND 11161 IN THE AMOUNT OF \$200,000 EACH, FROM \$200,000 TO \$400,000, AND FOR PROJECT 11163 IN THE AMOUNT OF \$100,000, FROM \$100,000 TO \$200,000 FOR A TOTAL OF \$500,000, AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONTRACT WITH PIVOT INTERIORS, INC. IN THE AMOUNT OF \$463,755 FOR THE FACILITIES SYSTEMS REPLACEMENT PROJECTS CONTRACT AND BUDGET INCREASE.

LIST OF EXHIBITS:

None.

August 24, 2020
Prepared by: D. Moreno
Submitted by: R. Mykitta / W. Chambers
Approved by: Paul A. Cook 

ACTION CALENDAR

ENTERPRISE ASSET MANAGEMENT MAXIMO MOBILE SOLUTION IMPLEMENTATION

SUMMARY:

In March 2020, staff completed the successful integration of IRWD’s linear assets (including pipelines, sewers and appurtenances) into the database of IRWD’s Enterprise Asset Management (EAM), Maximo. To improve work management of field operations, a mobile work order management system is now recommended. This system will better connect the Maximo system with field staff, and facilitating the transmittal of work orders remotely, improving emergency response, and enhancing the collection of field data. Additional funding is also required to support the continuation of the Maximo Mobile Implementation Project. Staff recommends the Board authorize the General Manager to execute a Professional Services Agreement with Interpro Solutions for Maximo Mobile Solution in the amount of \$292,600, and approve the addition of Projects 11679 and 11680, each in the amount of \$240,300 for a total of \$480,600, to the FY 2020-21 Capital Budget for the Maximo Mobile Implementation Project.

BACKGROUND:

Maintenance of vertical assets (including treatment plants, well sites, and pump stations) is being managed within IRWD’s Maximo EAM system. The recent integration project has added IRWD’s linear assets (e.g., pipelines, sewers and appurtenances) to the Maximo system. Since linear assets are external to treatment plant facilities and are not located in a single geographic area, a work management system is required that connects the central Maximo database with field staff working remotely.

A mobile work management system offers staff the ability to view on a device (such as a tablet or cell phone) all work orders that have been assigned or created within the Maximo system. New and emergency work orders can also be dispatched remotely to staff.

In June 2020, a Request for Proposal was sent to three mobility software vendors. Each vendor provided its projected costs and provided a product demonstration to IRWD staff. Following a detailed analysis and thorough evaluation of the proposals, EZ Max Mobile software by Interpro Solutions was selected as the best product to meet IRWD’s requirements. EZ Max Mobile is a state-of-the-art mobility integration software used by many industries, including utilities. A summary of the costs for developing, implementing and licensing this solution is as follows:

Implementation Cost	\$73,500
<u>License Fee (240 Users)</u>	<u>\$219,100</u>
Total to Interpro Solutions	\$292,600

The scope of work and cost of services is provided in Exhibit “A”.

FISCAL IMPACTS:

Projects 11679 and 11680 require addition to the FY 2020-21 Capital Budget as shown in the following table; funding is from the Regional Potable and Regional Sewer Improvement District. The total budgeted amount includes all internal costs, professional services, the Interpro Solutions contract, the EZ Max Mobile purchase and continuation of the project. Funding for annual software fees will be included in future operating budgets.

Project No.	Current Budget	FY 2020-21 Addition	Total Budget
11679	-0-	\$240,300	\$240,300
11680	-0-	\$240,300	\$240,300
Total	0	\$480,600	\$480,600

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on August 18, 2020.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH INTERPRO SOLUTIONS FOR THE MAXIMO MOBILE SOLUTION IN THE AMOUNT OF \$292,600 AND APPROVE THE ADDITION OF PROJECTS 11679 and 11680, EACH IN THE AMOUNT OF \$240,300 FOR A TOTAL OF \$480,600, TO THE FY 2020-21 CAPITAL BUDGET FOR THE MAXIMO MOBILE IMPLEMENTATION PROJECT.

LIST OF EXHIBITS:

Exhibit "A" – Interpro Solutions EZ Max Mobile Proposal



INTERPRO

SOLUTIONS



Proposal : Maximo Mobile Application

June 26, 2020



Irvine Ranch
WATER DISTRICT



June 23, 2020

Irvine Ranch Water District
Attn: Richard Mykitta, Director of Maintenance
3512 Michelson Drive
Irvine, CA 92612

RE: RFP – Maximo Mobile Application

Dear Mr. Mykitta,

InterPro Solutions appreciates the opportunity and is pleased to present a proposal in response to your request for our Maximo Mobile solution, EZMaxMobile. We hope that you find the information contained in these documents responsive to your requirements and on target with your business objectives.

If you have any questions please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "Zachary Rose". The signature is written in a cursive style.

Zachary Rose
Director of Technical Services
(781) 213-1166
zrose@interprosoft.com

Executive Summary

The primary objective for this project is to provide mobility to Irvine Ranch Water District's Maximo user community. The introduction and utilization of mobile devices by members of your work force will help increase productivity, improve data integrity and streamline work processes.

The secondary objective is to provide IRWD's technical staff with enough knowledge transfer throughout the project to be self-sufficient maintainers of the EZMaxMobile software. InterPro is always available to any customer for support or configuration services after an implementation is complete, but a customer that can maintain their own enterprise mobile software will save time and money year over year.

Project Assumptions & Dependencies

Assumptions

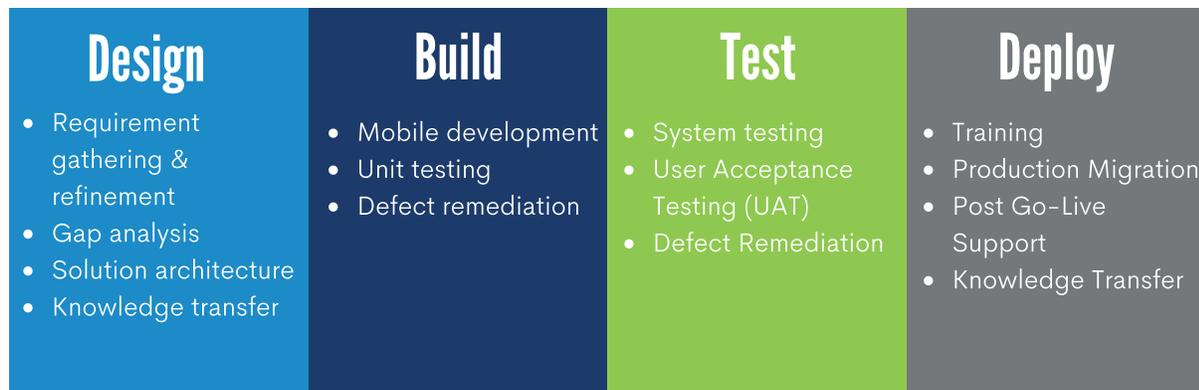
- Maximo has been installed and configured by a certified Maximo professional.
- Performance (speed) of the current Maximo production environment is acceptable to the user community.
- Maximo pre-production environments are equal in versioning and configuration to the Maximo production environment.
- If possible, a backup copy of the Maximo production database and Maximo.ear file will be provided to InterPro to allow for a local development environment to be built by InterPro.
- A VPN account which allows access to customer's pre-production Maximo and EZMaxMobile environments will be provided to InterPro.
- Customer will run on-site system testing and user acceptance testing.
- Customer will run and schedule end-user training.
- Customer will provide a project manager and project sponsor.
- Customer will procure and provision mobile devices.
- Customer will install EZMaxMobile on all mobile devices via the app store or by leveraging Mobile Device Management (MDM) software.
- Customer will identify and make available the business subject matter experts and core members of the user community to participate in the gap analysis, system testing and user acceptance testing tasks.
- Customer will make available a Maximo system administrator to participate in the deployments of all EZMaxMobile builds throughout the project.
- All durations listed are estimated and subject to change.

Dependencies

- EZMaxMobile depends on the Maximo production environment to have been properly implemented and configured. EZMaxMobile's performance (speed) greatly depends on the quality of the customer's network infrastructure currently supporting the Maximo production environment.

Project Approach

InterPro utilizes a realistic, hands-on approach for EZMaxMobile implementations. This approach has four phases; Design, Build, Test and Deploy which are explained below:



Experience

InterPro Solutions focuses on and is a market leader in providing professional services and product add-ons for IBM's Maximo application system. InterPro has been implementing, supporting and developing value-added solutions for Maximo since version 2.0, which covers a span of over 20 years.

The corporate office for InterPro Solutions is located in Stoneham, Massachusetts where we maintain a state-of-the-art Maximo development, testing and training environment. Our modern facility allows InterPro staff to provide on-going support and training to our local clients as well as clients located throughout the United States and in places such as Canada, Great Britain, Australia, Hong Kong, Sweden, Europe and Kuwait.

InterPro Solutions has a wide range of Maximo clients in many diverse industries such as higher education, water-wastewater, energy, government, healthcare, aerospace, utilities and more.

Project Approach & Timeline

Phase I: Design

Task I – Server Setup

Working with IRWD, install EZMaxMobile onto pre-production environments (up to three.) Upon completion of the installation, perform tests to validate connectivity, security, performance and functionality.

Knowledge transfer will be a key part of this task as InterPro will remotely perform the installation of EZMaxMobile in Dev and Test with IRWD monitoring.

Deliverables:

- EZMaxMobile documentation (as-is):
 - Technical Installation Guide
 - Architecture Diagrams
- EZMaxMobile deployment assistance
- Knowledge transfer

Acceptance Criteria:

- EZMaxMobile is operational in pre-production environments

Resources:

- EZMaxMobile Technical Project Manager (remote)
- EZMaxMobile Implementation Specialist (remote)
- IRWD Maximo Administrator

Duration: 3 Days

Task II – Gap Analysis

Working with IRWD's business users, match the targeted mobile work processes with EZMaxMobile's out-of-the-box functionality and document the gap.

Items such as cosmetic changes (adding/removing fields, order of fields, color-coding, etc.), page flow adjustments, data download criteria and IRWD specific Maximo business rules need to be documented.

This task will be accomplished with remote design workshops run by InterPro resources. InterPro will document the gap and provide documentation to IRWD for review and approval prior to moving forward. Design workshops usually span 3 days.

It is assumed that the scope of work will be limited to the following areas / modules:

Scope:

- The scope of work for this implementation is outlined in the IRWD Maximo Mobile RFP under section V – Minimum Required Functionality.

Deliverables:

- On-site design workshops
- Gap documentation

Acceptance Criteria:

- Customer signs off and accepts the gap documentation

Resources:

- InterPro Project Manager (remote)
- EZMaxMobile Implementation Specialist (on-site)
- EZMaxMobile Developer (on-site)
- Customer business subject matter experts and core members of the user community

Duration: 3 Weeks

Phase II: Build

Task III – EZMaxMobile Online Mode Adjustments

Once the gap analysis documentation is approved by IRWD, InterPro staff will close this gap by adjusting EZMaxMobile to match IRWD's targeted online mobile work processes.

InterPro will be performing internal unit-testing and subsequent defect remediation as part of this task.

The scope of EZMaxMobile changes will be limited to the specific areas and functions as documented during the gap analysis task.

Weekly touch-point meetings will be scheduled during this task in order to demonstrate progress and provide a forum for any questions or issues.

Deliverables:

- Configuration changes and developed code for gaps in functionality
- Conference room pilot demo to key stakeholders

Acceptance Criteria:

- None – work from this task is accepted during Task V (system testing).

Resources:

- EZMaxMobile Technical Project Manager (remote)
- EZMaxMobile Developer (remote)
- IRWD Maximo Administrator

Duration: 4 Weeks

Task IV – EZMaxMobile Offline Mode Adjustments

Once the gap analysis documentation is approved by IRWD, InterPro staff will close this gap by adjusting EZMaxMobile to match IRWD's targeted offline mobile work processes.

InterPro will be performing internal unit-testing and subsequent defect remediation as part of this task.

The scope of EZMaxMobile changes will be limited to the specific areas and functions as documented during the gap analysis task.

Weekly touch-point meetings during this task in order to demonstrate progress and provide a forum for any questions or issues.

Deliverables:

- Configuration changes and developed code for gaps in functionality
- Conference room pilot demo to key stakeholders

Acceptance Criteria:

- None – work from this task is accepted during Task V (system testing)

Resources:

- EZMaxMobile Technical Project Manager (remote)
- EZMaxMobile Developer (remote)
- IRWD Maximo Administrator

Duration: 6 Weeks

Phase III: Test

Task V – System Testing

Once the gap has been closed, InterPro will deploy an updated EZMaxMobile package in a test environment for system testing.

IRWD business representatives will perform system testing and any defects will be documented by IRWD and sent using an online portal provided by InterPro. It is expected that IRWD will perform system testing without coordination from InterPro.

InterPro will remediate recorded defects and provide additional EZMaxMobile deployment files to IRWD as needed for final verification.

It is assumed that the gap documentation from Task II will be used by IRWD to test the system and verify it is working as expected.

Deliverables:

- Remediation of reported defects

Acceptance Criteria:

- Verification of system against gap documentation

Resources:

- EZMaxMobile Technical Project Manager (remote)
- EZMaxMobile Implementation Specialist (remote)
- EZMaxMobile Developer (remote)
- IRWD business users / subject matter experts

Duration: 3 Weeks

Task VI – User Acceptance Testing

IRWD will work with a select group of end-users from the IRWD user community and perform UAT. It is expected that IRWD will schedule and run UAT sessions without coordination from InterPro.

UAT results will be sent at the end of each UAT session using an online portal provided by InterPro. InterPro will remediate any recorded defects in parallel to UAT sessions.

It is assumed that the gap documentation from Task II will be used by IRWD to test the system and verify it is working as expected.

Deliverables:

- Remediation of reported defects

Acceptance Criteria:

- Verification of system against gap documentation

Resources:

- EZMaxMobile Technical Project Manager (remote)
- EZMaxMobile Implementation Specialist (remote)
- EZMaxMobile Developer (remote)
- IRWD business users / subject matter experts and core members of the user community

Duration: 2 Weeks

Phase IV: Deploy

Task VII – Train the Trainer

Via remote sessions, InterPro will provide train the trainer training to IRWD representatives tasked with delivering end-user training. Training will be functional in nature, any training on business processes will be handled by a member of the IRWD business team. InterPro will also provide administrative training to IRWD staff tasked with supporting and maintaining EZMaxMobile.

Deliverables:

- Remote training sessions

Acceptance Criteria:

- Training sessions completed

Resources:

- EZMaxMobile Technical Project Manager (remote)
- EZMaxMobile Implementation Specialist (remote)
- IRWD end-user trainers
- IRWD administrative staff

Duration: 3 days

Task VIII – Deploy EZMaxMobile to Production

Once approval has been received from IRWD, InterPro will work with IRWD to schedule a date and time for the deployment of EZMaxMobile into production. Upon completion of the installation, perform smoke testing to validate connectivity, security, performance and functionality.

Deliverables:

- EZMaxMobile deployment assistance

Acceptance Criteria:

- Deployment successful in production environment

Resources:

- EZMaxMobile Technical Project Manager (remote)
- EZMaxMobile Implementation Specialist (remote)
- IRWD Maximo Administrator
- IRWD WebSphere Administrator

Duration: 1 Days

Task IX – Post Go-Live Support

InterPro will provide remote post-go-live support during normal business hours (8-6 EDT) for the first 3 days following go-live.

Milestone Chart

Milestone	Tasks	Deliverables	Duration	Expected Complete
Phase I	I & II	Listed in tasks above	3.5 Weeks	9/23/20
Phase II	II & IV	Listed in tasks above	10 Weeks	12/8/20
Phase III	V & VI	Listed in tasks above	5 Weeks	1/15/21
Phase IV	VII, VIII & IX	Listed in tasks above	1.5 Weeks	1/28/21

Cost Proposal

Resource Plan - Times and Materials Not to Exceed (NTE)

This project will require an EZMaxMobile Technical Project Manager, Developer and Implementation Specialist from InterPro. Below is a table indicating each role, hourly rate and estimated hours. The names of the resources are TBD based on scheduling and availability. InterPro will not use resources located outside of the United States to complete the services. A list of potential resources and their experience has been provided in a previous section of this response.

EZMaxMobile User Licensing	Name	Hours	Rate	Total Cost
EZMaxMobile Technical Project Manager	TBD	80	\$175	\$14,000
EZMaxMobile Implementation Specialist	TBD	100	\$175	\$17,500
EZMaxMobile Developer	TBD	240	\$175	\$42,000
Sub Total				\$73,500
Travel				\$0
Services Total (NTE)				\$73,500

Licensing Options

Perpetual Model

Description	Unit Cost
EZMaxMobile Named User License - 30% discount	\$840 per user
EZMaxMobile Premium Mapping License (server license) - 30% discount	\$17,500 per server
EZMaxMobile Annual Support	20% of all license fees

Subscription Model*

Description	Unit Cost
EZMaxMobile Subscription License - 30% discount	\$45 per user per month
EZMaxMobile Premium Mapping Subscription License (server license) - 30% discount	\$1,289 per server per month

*Annual Support fees are included in the cost of each subscription license

August 24, 2020

Prepared by: J. McGehee / R. Mori

Submitted by: K. Burton

Approved by: Paul A. Cook



ACTION CALENDAR

ZONE A TO RATTLESNAKE RESERVOIR PUMP STATION BUDGET INCREASE, CONSULTANT SELECTION, AND CONSTRUCTION AWARD

SUMMARY:

The Zone A to Rattlesnake Reservoir Pump Station project includes construction of a new Rattlesnake Reservoir pump station, a dechlorination storage and feed system, demolition of the Northwood Zone A to B pump station, miscellaneous site improvements, and replacement of various ancillary facilities on site. Staff recommends that the Board:

- Authorize a budget increase in the amount of \$4,480,375.80, from \$17,527,624.20 to \$22,008,000;
- Authorize the General Manager to execute a Professional Services Agreement in the amount of \$871,000 with Brown and Caldwell for engineering support services during construction; and
- Authorize the General Manager to execute a construction contract with Pacific Hydrotech Corporation in the amount of \$16,287,766.45 for the Zone A to Rattlesnake Reservoir Pump Station project.

BACKGROUND:

IRWD is proceeding with the replacement of the Zone A to Rattlesnake Reservoir Pump Station as identified in the 2016 Recycled Water Distribution System Analysis. The project is located within the Rattlesnake Reservoir Complex, as shown on the location map provided as Exhibit "A". The complex consists of several critical facilities including the Rattlesnake Reservoir, Zone A North Reservoir, Northwood Zone A to B pump station, Zone A to Rattlesnake Reservoir pump station, Zone A to C+ pump station, Zone 3 to 5 pump station, dechlorination facility, chlorination facility, Rattlesnake Reservoir strainers, the IRWD dam caretaker residence, and several aboveground and belowground piping and valving systems.

The existing pump station, which delivers recycled water from the Zone A system to the Rattlesnake Reservoir, was constructed in 1976 and is nearing the end of its useful life. The pump station consists of three gas engine driven pumps and one electric motor driven pump. The existing pump station requires frequent maintenance and procuring replacement parts is becoming increasingly challenging. The project will replace the pump station in its entirety with a new pump station equipped with all electric motor driven pumps.

In addition to the pump station replacement, this project also includes demolition of the existing dechlorination facilities, construction of a new dechlorination facility, installation of a new permanent backup power generator for the new pump station, extended sewer facilities to eliminate onsite septic systems currently located at the caretaker house and the park restrooms, new Rattlesnake Reservoir return pump station vault, new site electrical service, undergrounding

Action Calendar: Zone A to Rattlesnake Reservoir Pump Station Budget Increase, Consultant Selection, and Construction Award

August 24, 2020

Page 2

of the overhead utility poles on site, various communications and control system improvements, and demolition of the Northwood Zone A to B pump station (which will be replaced by the Eastwood Zone A to B pump station currently under construction). Due to the critical nature of the facility, the new permanent backup power generator and associated diesel fuel storage are sized to provide emergency power to the entire Rattlesnake Complex for a 72-hour period without the need for refueling.

Consultant Selection:

Brown and Caldwell performed all elements of the preliminary and final design phases for the project including geotechnical, civil, mechanical, structural, architectural, electrical, and instrumentation and control. Staff requested Brown and Caldwell to submit a proposal for engineering support services during construction. The proposal, provided as Exhibit “B”, includes scope for submittal reviews, responses to contractor requests for information, site visits, record drawings, energy control procedures, construction coordination and engineering support commensurate with the requirements of the project.

Staff reviewed Brown and Caldwell’s scope of work and fee and recommends the Board authorize the General Manager to execute a Professional Services Agreement with Brown and Caldwell in the amount of \$871,000 for engineering support services during construction.

Construction Award:

The project was advertised for construction bidding to a select list of 13 mechanical contractors. The bid opening was held August 12, 2020 with bids received from Pacific Hydrotech Corporation, Stanek Constructors, Steve P. Rados, and Shimmick Construction. Pacific Hydrotech Corporation is the apparent low bidder with a bid amount of \$16,287,766.45. The engineer’s estimate, prepared by Brown and Caldwell, is \$21,950,000. Pacific Hydrotech Corporation’s bid information is attached as Exhibit “C”, and a summary of the four bids received is provided below.

Bidder	Bid Amount
Pacific Hydrotech Corporation	\$ 16,287,766.45
Stanek Constructors	\$ 20,350,000.00
Steve P. Rados, Inc.	\$ 20,776,966.45
Shimmick Construction	\$ 21,525,000.00
<i>Engineer’s Estimate</i>	<i>\$ 21,950,000.00</i>

Staff reviewed Pacific Hydrotech Corporation’s bid and has determined that it is responsive. Staff recommends the Board authorize the General Manager to award a construction contract to Pacific Hydrotech Corporation in the amount of \$16,287,766.45.

FISCAL IMPACTS:

The Zone A to Rattlesnake Reservoir Pump Station, Project 05476, is included in the FY 2020-21 Capital Budget and will be funded through replacement funds. A budget increase is required to fund the construction and engineering support services during construction for the project as shown in the table below.

Project No.	Current Budget	Addition <Reduction>	Total Budget
05476	\$17,527,624.20	\$4,480,375.80	\$22,008,000

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and in conformance with California Code of Regulations Title 14, Chapter 3, Article 6, a Notice of Intent to adopt a Mitigated Negative Declaration was filed with the County of Orange on January 6, 2020. Pursuant to State Guideline § 15073, the IS/MND was made available for public review for a period of 30 days from January 6, 2020 through February 4, 2020. The IS/MND was adopted by IRWD Board of Directors at its March 9, 2020 meeting. A Notice of Determination was filed with the Orange County Clerk/Recorder and the CA State Clearinghouse on March 13, 2020.

COMMITTEE STATUS:

The consultant selection recommendation was reviewed by the Engineering and Operations Committee on June 16, 2020. Construction awards are not routinely taken to Committee prior to submittal to the Board.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE A BUDGET INCREASE IN THE AMOUNT OF \$4,480,375.80, FROM \$17,527,624.20 TO \$22,008,000; AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH BROWN AND CALDWELL IN THE AMOUNT OF \$871,000 FOR ENGINEERING SUPPORT SERVICES DURING CONSTRUCTION; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH PACIFIC HYDROTECH CORPORATION IN THE AMOUNT OF \$16,287,766.45 FOR THE ZONE A TO RATTLESNAKE RESERVOIR PUMP STATION, PROJECT 05476.

LIST OF EXHIBITS:

- Exhibit "A" – Location Map
- Exhibit "B" – Brown and Caldwell Proposal for Engineering Support Services during Construction
- Exhibit "C" – Pacific Hydrotech Corporation Bid Results

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Zone A to Rattlesnake Reservoir Pump Station
Exhibit "A"
Location Map



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June 3, 2020

Joe McGehee, P.E.
Irvine Ranch Water District
15600 Sand Canyon Ave
Irvine, California 92618

Subject: Zone A to Rattlesnake Reservoir Pump Station Project– Proposal for Engineering Services During Construction

Dear Mr. McGehee:

This letter proposal summarizes the scope of work and level of effort for engineering services during construction (ESDC) of the Irvine Ranch Water District (IRWD) Zone A to Rattlesnake Reservoir Pump Station Project (Project). The Brown and Caldwell (BC) team and project schedule are also presented in the sections that follow.

Task 1: Project Management

Task 1 includes the effort required for general project management and administration over the duration of construction and project close out. A total duration of 32 months (30 months of construction and 2 months for project closeout, including record drawings) is included. Half hour per week for the Project Manager (PM) and one hour per week for the Project Analyst (PA) and an additional two hours for PM and three hours per month for PA for monthly reviews, earned value analysis, and monthly invoicing have been accounted.

Task 2: Project Meetings

The effort required to attend 25 project meetings of two hours each is included in this task. BC will prepare agendas prior to each meeting and will prepare minutes within five (5) working days of each meeting. Appropriate discipline leads will be available to attend these meetings at IRWD's office, construction site, or via web/teleconference, as requested by IRWD. The intent is to keep the number of attendees to the minimum. As much as possible, one representative from BC will attend the meetings. There may be occasions when more than one representative will need to attend. BC will track this budget as the project progresses. The budget includes time for travel, preparation, attendance and follow-up, as needed. A total of 10 hours is budgeted for the Principal-in-charge (PIC) for periodic check-ins with IRWD.

Task 3: Conformed Contract Documents

BC will prepare conformed documents compiling all addenda issued during the bid phase with the bid documents and submit to IRWD electronically as pdf files. The addenda will be referenced in the project manual and drawings at appropriate locations. A total of 16 hours for project manual updates and 70 hours for drawing updates have been accounted for.

Task 4: Shop Drawings

Review of a total of 350 shop drawing submittals, including required resubmittals is included in this task. Submittals will be reviewed for completeness and conformity with the contract documents. Comments will be provided on the IRWD shop drawing transmittal form in MS Word and on the submittal PDF file electronically. All comments will be provided to the contractor in PDF format. BC will maintain a log of submittals using IRWD's standard submittal log. Submittal review transmittals and comments will be completed and returned to IRWD within no more than 14 calendar days. Submittals on critical items, particularly on products with long lead times, will be expedited in coordination with IRWD. An average review time of less than 5 hours per submittal, inclusive of discipline lead and support engineer time, is accounted for

Task 5: Request for Information (RFIs)

Responses to a total of 150 Contractor RFIs is included in this task. BC will maintain a log of RFIs using the IRWD standard RFI log. Responses to IRWD will be returned within no more than 7 calendar days. RFI responses will be expedited on critical path items when requested by IRWD or Contractor. An average review time of approximately 3 hours per RFI, inclusive of discipline lead and support engineer time, is accounted for.

Task 6: Plan Revisions

Task 6 includes two (2) sub tasks:

Task 6.1: Delta Drawings

A total budget of 100 hours consisting of staff from different disciplines is included for plan revisions to the construction drawings at the request of IRWD. Revised drawings will be submitted electronically to IRWD.

Task 6.2: Potholing Results

A total budget of 100 hours of staff time for plan revisions to the construction drawings during the contractor's utility investigation phases is included. Revised drawings will be submitted electronically to IRWD.

Task 7: Site Visits

A total budget for 20 site visits of two hours each on site during construction is included in this task. BC staff will provide an e-mail summary of each visit when key findings or recommendations need to be shared with IRWD and/or the Contractor. This task will be utilized for investigations or review of existing or construction conditions in preparation for revisions and clarifications provided to the Contractor. An average 5.5 hours per site visit is accounted for preparation, travel, time on site, and e-mail summary preparation.

Task 8: Energy Control Procedures (ECP) and Asset Management

BC will prepare ECP's in accordance with California Occupational Safety and Health (Cal/OSHA) requirements for all equipment that may have potential energy. BC will also complete IRWD's Asset Management spreadsheet to inventory all of the new equipment for the project. A draft set of ECPs and an Asset Management spreadsheet will be submitted for IRWD review and will finalize these documents upon receipt of IRWD

review comments. Documents will be submitted in electronic and hard copy format, as requested. An allowance of \$30,000 is included for this task. Actual work under this task will be tracked against this allowance.

Task 9: Record Drawings

BC will prepare record drawings at construction completion, using the Engineer's, Contractor's, and IRWD Inspector's red lines and the results from all relevant responses to contractor RFI's. Record drawings will consist of updates prepared in AutoCAD to the original design drawings reflecting the as-constructed condition. BC will prepare and submit final record drawings to IRWD, including AutoCAD electronic files and one color PDF file of the entire construction plan set. A total of 185 sheets will be updated under this task. An average of just under 2.5 hours per sheet spread between the PM, discipline leads, support engineers and BIM staff is accounted for.

Task 10: Construction Coordination

Task 10 includes five (5) subtasks as described below. Subtasks 10.1 to 10.3 are intended to include construction coordination that does not result in an RFI, submittal, or plan revisions. Most often, these tasks result from Contractor inquiries via phone, e-mail, or field discussion.

Task 10.1: General Plan Clarifications

This subtask includes staff time for the review and respond to Contractor inquiries which are deemed minor and do not result in specific changes to the construction plans. A total budget of 125 hours is included.

Task 10.2: General Construction Alternatives Analysis / Engineering Calculations / Exhibit Preparation

This subtask includes staff time for the following items:

- Review of Contractor suggested alternatives, including equipment, means and methods, and phasing.
- General engineering calculations: staff time to prepare calculations and summarize the results of the calculations in a memorandum to support any of the general construction coordination tasks and any direction given to the contractor, as required.
- General exhibit preparation: staff time to prepare exhibits as requested by IRWD to support coordination with interested parties, such as IRWD Operations, The Irvine Company, Irvine Ranch Conservancy, Orange County Fire Authority (OCFA), etc.

A total budget of 150 hours is included in this task.

Task 10.3: General Field Questions

This subtask includes staff time to address questions posed in the field by IRWD inspection, the Contractor, or other interested parties. A total budget of 150 hours is included.

Task 10.4: Instrumentation / Control and Electrical

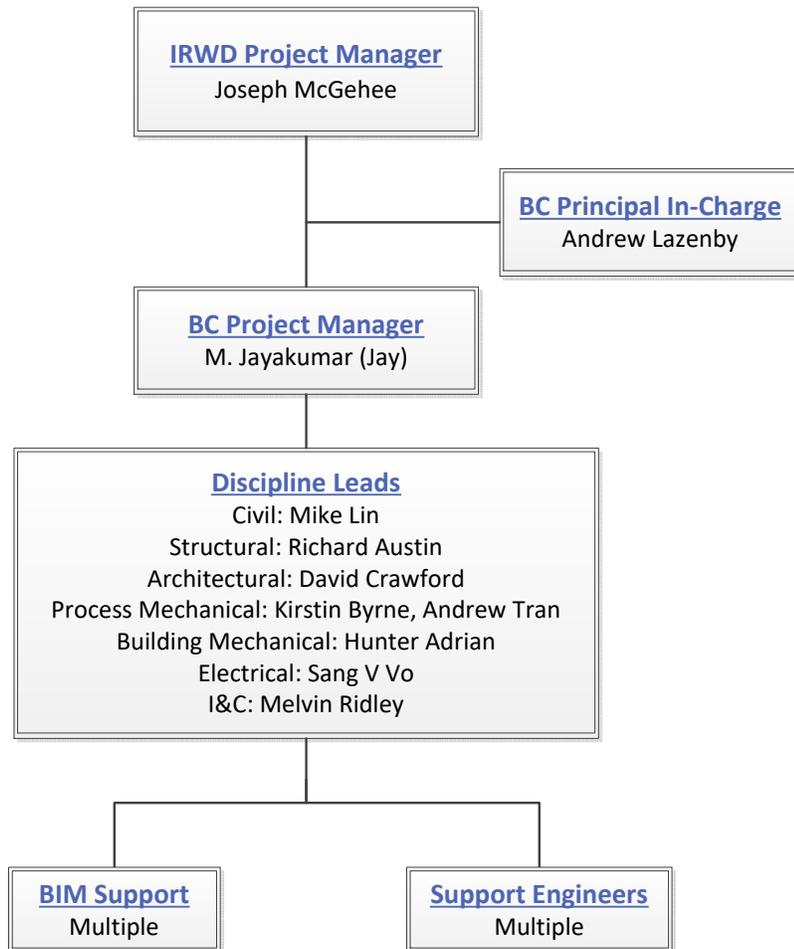
This subtask includes staff time to assist IRWD staff in coordinating shutdowns and switchovers for all SCADA and electrical related equipment and provide additional assistance to the Contractor as required to execute the work. A total budget of 150 hours is included.

Task 10.5: Startup and Testing

This subtask includes staff time to assist IRWD staff in coordinating the startup and testing phases of the project, including preparation of relevant testing protocols, identifying and coordinating required activities in advance of the scheduled need, and assisting the Contractor with meeting the needs of the Contract Documents. A total budget of 100 hours is included.

Project Team

The project design team will continue to provide services during construction. The BC team organization chart is provided below:



Schedule

The ESDC work will continue for a 30 month construction period followed by two months for project closeout activities (i.e., record drawings).

Fee Estimate

Our proposed level of effort and fee are included as **Attachment A**. The total fee is **\$871,000**.

Thank you for the opportunity to be of continued service to IRWD. Please contact me at (714) 689-4840 with any questions.

Very truly yours,

Brown and Caldwell



Andrew Lazenby, P.E.
Principal-in-Charge



Madhavan K Jayakumar, P.E.
Project Manager

AGL:MJ

Attachment A: Labor Hours and Fee Estimate

Irvine Ranch Water District
 Zone A to Rattlesnake Reservoir Pump Station Project
 Attachment A: Labor Hours and Fee Estimate - Construction Support Services

Task Item	Andrew Lazenby	M. Jayakumar	M. Lin	D. Crawford	R. Austin	Kirstin Byrne	S. V Vo	M. Ridley	A. Rivas	Multiple	Multiple	Multiple	Flavia Boese	Total BC Labor Hours	Direct Costs	Total Fee
	PIC	Project Manager	Civil Lead	Architectural Lead	Structural Lead	Mechanical Lead	Electrical Lead	I&C Lead	BIM Lead	Support Engineers	BIM Support	QC	Project Analyst			
Billing Rate	\$325.54	\$302.25	\$208.69	\$280.76	\$229.07	\$192.66	\$207.15	\$236.85	\$187.37	\$159.00	\$148.40	\$159.00	\$103.41			
Project Management		133											234	367		\$64,397
Project Meetings	10	75	30				20	30						165	\$1,500	\$44,933
Conformed Documents		16							23	23	24			86		\$16,426
Shop Drawings		45	50	40	90	30	200	200		950		100		1,705		\$317,413
RFIs		45	50	50	50	50	75	75		75		25		495		\$108,360
Plan Revisions																
Delta Drawings		10							25	30	35			100		\$17,671
Pothole Results		5	20						25	25	25			100		\$18,054
Site Visits		5	25		25		25	30						110	\$1,000	\$25,740
Energy Control Procedures and Asset Management															\$30,000	\$30,000
Record Drawings		19	12	5	6	5	14	16	46	56	208	48		434	\$624	\$75,004
Construction Coordination																
General Plan Clarifications		15	20	10	20	10	25	25						125		\$29,123
General Construction Alternatives Analysis / Engineering Calculations / Exhibit Preparation		10	20	10	30	5	25	25		25				150		\$32,914
General Field Questions		25	20	5	20		20	20		40				150		\$32,955
Instrumentation / Control and Electrical		10					70	70						150		\$34,103
Startup and Testing		8					32	60						100	\$648	\$23,906
Total	10	421	247	120	241	100	506	551	119	1,224	292	173	234	4,237	33,772	\$871,000

Zone A to Rattlesnake Reservoir Pump Station (05476), bidding on August 12, 2020 2:00 PM (Pacific)

Printed 08/12/2020

Bid Results**Bidder Details**

Vendor Name Pacific Hydrotech Corp
Address 314 E 3rd Street
Perris, CA 92507
United States

Respondee Ozzie Garibaldo
Respondee Title Sr. Estimator
Phone 951-943-8803 Ext.
Email ozzie@pachydro.com

Vendor Type CADIR
License # 518355
CADIR 1000002987

Bid Detail

Bid Format Electronic
Submitted August 12, 2020 1:55:03 PM (Pacific)
Delivery Method
Bid Responsive
Bid Status Submitted
Confirmation # 223195
Ranking 0

Respondee Comment**Buyer Comment****Attachments**

File Title	File Name	File Type
PHC Bid for Zone A to Rattlesnake Reservoir Pump Station	PHC Bid for Zone A to Rattlesnake Reservoir Pump Station.pdf	Bid Form

Line Items

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
	BASE BID ITEMS					
1	Furnish all labor, materials, equipment, services, and appurtenant work, except for Items 2 through 10 below, for the construction of the Zone A to Rattlesnake Reservoir Pump Station Project.	LS	1	\$14,886,300.00	\$14,886,300.00	
2	Procurement of equipment from D&H Water Systems through a fixed-price proposal.	LS	1	\$66,966.45	\$66,966.45	
3	Mobilization, demobilization, and cleanup (not to exceed 4% of contract price)	LS	1	\$650,000.00	\$650,000.00	
4	Payment and performance bonds, and insurance	LS	1	\$200,000.00	\$200,000.00	
5	Builder's risk "all-risk" insurance	LS	1	\$75,000.00	\$75,000.00	

Bid Results

Type	Item Code	UOM	Qty	Unit Price	Line Total	Comment
6	Erosion control measures	LS	1	\$85,300.00	\$85,300.00	
7	Trench safety measures	LS	1	\$131,200.00	\$131,200.00	
8	Start-up, testing, and training	LS	1	\$83,000.00	\$83,000.00	
9	Operation and maintenance manuals	LS	1	\$55,000.00	\$55,000.00	
10	Prepare and maintain record drawings	LS	1	\$55,000.00	\$55,000.00	
					Subtotal	\$16,287,766.45
ADDITION OR DEDUCTION LINE ITEM						
11	ADDITION (+) OR DEDUCTION (-)	LS	1	0	0	
					Subtotal	0
					Total	\$16,287,766.45

Subcontractors

Name & Address	Description	License Num	CADIR	Amount	Type
Team West Contracting Group 2733 Vista Ave Bloomington, CA 92316 United States	Fence	934352	1000633737	\$127,000.00	CADIR
Western paving Contractors Inc. 15533 E. Arrow Highway Irwindale, CA 91706 United States	AC Paving	639093	1000003855	\$230,300.00	
Leed Electric, Inc. 13138 Arctic Circle Santa Fe Springs, CA 90670 United States	Electrical & Instrumentation	379096	1000004633	\$2,730,000.00	CADIR
Amber Steel Co. 312 S. Willow Ave Rialto, CA 92376 United States	Rebar	268566	1000000630	\$150,000.00	CADIR
Anderson Air Conditioning 2100 E. Walnut Ave Fullerton, CA 92831 United States	HVAC	894408	1000008344	\$106,300.00	CADIR
Advantage Demolition & Grading, Inc. 27576 Commerce Center Drive Temecula, CA 92590 United States	Demolition	754795	1000013890	\$178,000.00	CADIR
PARADA PAINTING INC. 14281 PALISADES DRIVE POWAY, CA 92064 United States	Coating and Painting	742112	1000004724	\$82,200.00	CADIR
Stone Roofing Company 730 N. Coney Ave. Azusa, CA 91702 United States	Roofing	159149	1000001595	\$73,870.00	CADIR