

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

August 22, 2022

CALL TO ORDER 5:00 p.m.

PLEDGE OF ALLEGIANCE

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

This meeting will be held in-person at the District's headquarters located at 15600 Sand Canyon Avenue, Irvine, California. The meeting will also be broadcasted via Webex for those wanting to observe the meeting virtually.

To observe this meeting virtually, please join online using the link and information below:

Via Web: <https://irwd.webex.com/irwd/j.php?MTID=me94975bb693ac2a655576bb7e77f0db5>

Meeting Number (Access Code): 2492 147 4169

Meeting Password: TUhRPCip242

PLEASE NOTE: Webex observers of 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. Observers joining the meeting while the Board is in closed session will receive a notice that the meeting has been locked. They will be able to observe the meeting once the closed session has concluded.

PUBLIC COMMENT NOTICE

Public comments are limited to three minutes per speaker on each subject. If you wish to address the Board of Directors on any item, you may attend the meeting in person and submit a "speaker slip" to the Secretary. Forms are provided outside of IRWD's Board Room. If attending via Webex, please submit your request to speak, or your comment, via the "chat" feature and your remarks will be read into the record at the meeting. 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 22, 2022.

COMMUNICATIONS TO THE BOARD

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

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

CONSENT CALENDAR, ITEMS 4-7

4. BOARD MEETING MINUTES

Recommendation: That the minutes of the August 8, 2022 Regular Board meeting be approved as presented.

5. JULY 2022 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 2022 summary of payroll ACH payments in the total amount of \$3,359,563, and approve the July 2022 accounts payable disbursement summary of warrants 428809 through 429430, Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$41,566,346.

6. CONDITION ASSESSMENT FOR STEEL TANKS CONSULTANT SELECTION

Recommendation: That the Board authorize General Manager to execute a Professional Services Agreement with V & A Consulting Engineers in the amount of \$278,119 for the Condition Assessment for Steel Tanks, Projects 12252 and 12254.

7. RENEWAL OF GROUP MEDICAL, DENTAL, VISION AND ANCILLARY PLAN SERVICES FOR CALENDAR YEAR 2023

Recommendation: That the Board authorize the continuation of IRWD's health insurance coverage with CalPERS with changes in District and employee contribution rates as outlined in Exhibit "A"; authorize the discontinuation of the District's dental insurance coverage with ACWA/JPIA and change to Delta direct with a 11.2% increase in premium rates; authorize the continuation of the District's vision insurance coverage with EyeMed with a 0.8% increase in premium rates; authorize the discontinuation of voluntary Delta Dental and EyeMed buy-up plans for employee purchase; authorize the renewal of the District's Employee Assistance Program with REACH; authorize the Term Life, Accidental Death and Dismemberment, Long-term Disability and Employee Assistance Program coverage with Reliance Standard; and authorize the continuation of the Flexible Spending Account, Health Reimbursement Arrangement, COBRA and Commuter Benefits administrator Chard Snyder.

ACTION CALENDAR

8. IRWD TRUST FUND GUIDING PRINCIPLES AND USE STRATEGIES

Recommendation: That the Board approve the IRWD 115 Pension Trust Fund Guiding Principles and approve no transfer of funds from the IRWD 115 Pension Trust Fund to CalPERS for Fiscal Year 2022-23.

9. SAN JOAQUIN RESERVOIR FILTRATION BUDGET INCREASE, CONSULTANT SELECTION, AND CONSTRUCTION AWARD

Recommendation: That the Board authorize a budget increase in the amount of \$19,801,000, from \$3,654,000 to \$23,455,000; authorize the General Manager to execute a Professional Services Agreement with Carollo Engineers in the amount of \$949,482 for engineering support services during construction; and waive the requirement that a cost for mobilization and demobilization not exceed a maximum of 4% of the total bid; and authorize the General Manager to execute a construction contract with R.C. Foster Corporation in the amount of \$18,282,706.70 for the San Joaquin Reservoir Filtration, Project 10379.

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.

10. General Manager's Report
11. Receive oral update(s) from District liaison(s) regarding communities within IRWD's service area and provide information on relevant community events.
12. Directors' Comments
13. Adjournment

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 22, 2022

Prepared and

submitted by: L. Bonkowski

Approved by: Paul A. Cook



CONSENT CALENDAR

BOARD MEETING MINUTES

SUMMARY:

Provided are the minutes of the August 8, 2022 Regular Board meeting for approval.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

Not applicable.

RECOMMENDATION:

THAT THE MINUTES OF THE AUGUST 8, 2022 REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

LIST OF EXHIBITS:

Exhibit "A" – August 8, 2022 Minutes

Note: This page is intentionally left blank.

EXHIBIT “A”

MINUTES OF REGULAR MEETING –AUGUST 8, 2022

The regular meeting of the Board of Directors of the Irvine Ranch Water District (IRWD) was called to order at 5:00 p.m. by President LaMar on August 8, 2022, at the District offices, 15600 Sand Canyon Avenue, Irvine.

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

Directors Absent: None.

Written and Oral Communications: None.

Also Present: General Manager Cook, Executive Director of Operations Chambers, Executive Director of Finance and Administration Clary, Executive Director of Technical Services Burton, Executive Director of Water Policy Weghorst, Director of Treasury and Risk Management Jacobson, Director of Recycling Operations Zepeda, Director of Water Quality and Regulatory Compliance Colston, Director of Water Resources Sanchez, Director of Human Resources Mitcham, Acting Director of Maintenance Manning, Director of Safety and Security Choi, Director of Information Services Kaneshiro, Secretary Bonkowski, Assistant Secretary Swan, General Counsel Beck, Consultant Newell, and members of the staff and public.

CONSENT CALENDAR

On MOTION by Withers, seconded by Reinhart, and unanimously carried, CONSENT CALENDAR ITEMS 4 THROUGH 6 WERE APPROVED AS FOLLOWS:

4. BOARD MEETING MINUTES

Recommendation: That the minutes of the July 25, 2022, Regular Board meeting be approved as presented.

5. 2022 LEGISLATIVE AND REGULATORY UPDATE

Recommendation: Receive and file.

6. IRWD RESPONSE TO 2021-2022 ORANGE COUNTY GRAND JURY REPORT
“WATER IN ORANGE COUNTY NEEDS ‘ONE VOICE’”

Recommendation: That the Board authorize the General Manager to provide the Presiding Judge of the Superior Court with the proposed response to Finding F1, Finding F2, Finding F3, Finding F4, Finding F5, Finding F6, Recommendation R1, and Recommendation R2 of the 2021-2022 Orange County Grand Jury report titled “*Water in Orange County Needs ‘One Voice’*.”

ACTION CALENDAR

CONSULTANT SELECTION FOR EMBEDDED ENERGY TOOL

Director of Water Resources Sanchez reported that in 2015, Navigant Consulting, Inc., along with HDR Engineering, prepared an Embedded Energy Plan for IRWD. The Embedded Energy Plan and associated Embedded Energy Tool (EET) allowed for the quantification of energy use associated with IRWD facilities involved in the treatment, distribution, collection, use, reuse, and disposal of water and biosolids. Energy data from 2006 to 2013 was analyzed and an EET was developed based on static data.

Ms. Sanchez said that in 2018, Navigant completed an update to the Embedded Energy Plan and EET to account for the addition of new IRWD facilities, system changes and updated energy data. The updated EET included a new pumping surcharge analysis for rate-setting, spatial embedded energy estimates, and an embedded energy intensity breakdown (kWh/AF) by facility and by process (collection, treatment, conveyance and discharge). She said that the 2018 updated version of the EET has limited capabilities that are based on static data, and to address these functional limitations and to be able to calculate pumping surcharges for use in the upcoming FY 2023-25 rate-setting process, IRWD seeks to create a new enhanced EET. She said that the new enhanced EET would be designed to retrieve source data and quantify the energy intensity of IRWD operations.

Ms. Sanchez said that on June 29, 2022, a request for proposal (RFP) was issued to two consultants with specialized expertise working on IRWD energy projects and the capacity to complete the work within the required timeframe for rate-setting purposes. The firms that submitted proposals are HDR Engineering, Inc. and NV5; the latter was non-responsive to the RFP requirements for the use of open-source software that can easily be updated and maintained. She said that staff recommends the selection of HDR to complete the work.

Director Withers said that this item was reviewed by the Water Resources Policy and Communications Committee on August 2, 2022. Director Swan expressed concern about it becoming obsolete. On MOTION by Withers, seconded by McLaughlin and carried (Withers, McLaughlin, Reinhart and LaMar voting aye, and Swan abstaining (4-1 vote), THE BOARD AUTHORIZED THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH HDR ENGINEERING IN THE AMOUNT OF \$321,600 TO DEVELOP A NEW ENHANCED EMBEDDED ENERGY TOOL, PERFORM UPDATED PUMPING SURCHARGE ANALYSES AND PREPARE INSTRUCTIONS AND TRAINING FOR IRWD.

GENERAL MANAGER'S REPORT

General Manager Cook provided an update on COVID-19 activity and said that masks are still required at the Sand Canyon building.

Mr. Cook also provided an update on the MWD shutdown of its Upper Feeder planned for September 2022.

Mr. Cook reported that IRWD received the Government Finance Officers Association award this year for the excellent financial reporting, and thanked Finance Department for their efforts.

Mr. Cook asked that Director Choi introduce IRWD's new Safety Manager, April Chase, to the Board.

GENERAL MANAGER’S REPORT (Continued)

Mr. Cook asked that the Board meeting be adjourned in memory of Ms. Cindy Beck, a former employee of 30 years.

COMMUNITY UPDATE

Consultant Newell said he had nothing to report this evening.

DIRECTORS’ COMMENTS

Director Withers reported on his attendance at an OCSD meeting, in addition to the meetings listed.

Director Swan reported that he attended an ACWA Energy Committee meeting, a MWDOC and OCWD Joint meeting, and a WACO meeting.

Director Reinhart reported on his attendance at an OCWD Board meeting, a MWDOC Board workshop, and a SOCWA Board meeting.

Director McLaughlin said she had no meetings to report.

Director LaMar reported on his attendance at a Natural Communities Coalition Executive meeting, an ACWA meeting, an ACWA Region 10 meeting, an Annual Forecast Informed Reservoir Operations Workshop, and a WACO meeting.

CLOSED SESSION

Assistant General Counsel Beck said that the following Closed Sessions would be held this evening:

CONFERENCE WITH LABOR NEGOTIATOR – Pursuant to Government Code Section 54957.6.

Agency Designated Representatives: Paul Cook, General Manager, and Tiffany Mitcham, Director of Human Resources

Employee Organization: International Brotherhood of Electrical Workers (AFL-CIO) Local #47 for the General Unit and the Non-Exempt Supervisor Unit

CONFERENCE WITH LABOR NEGOTIATOR – Pursuant to Government Code Section 54957.6.

Agency Designated Representatives: Paul Cook, General Manager, and Tiffany Mitcham, Director of Human Resources

Employee Group: Managers, Supervisors and Confidential Employees

OPEN SESSION

Following the Closed Session, the meeting was reconvened with Directors LaMar, Reinhart, McLaughlin, Swan, and Withers present. No action was reported.

ADJOURNMENT

At 6:09 p.m., President LaMar adjourned the meeting in memory of Ms. Cindy Beck.

APPROVED and SIGNED this 22nd day of August 2022.

President, IRVINE RANCH WATER DISTRICT

Secretary IRVINE RANCH WATER DISTRICT

APPROVED AS TO FORM:

Claire Hervey Collins, General Counsel
Hanson Bridgett LLP

August 22, 2022

Prepared by: O. Mendoza / J. Davis

Submitted by: R. Jacobson / C. Clary

Approved by: Paul A. Cook 

CONSENT CALENDAR

JULY 2022 TREASURY REPORT

SUMMARY:

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

- A. The July 2022 Investment Summary Report. This Investment Summary Report conforms with the 2022 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, 2022, as outlined in Exhibit "B";
- C. The Monthly Interest Rate Swap Summary as of July 31, 2022, as outlined in Exhibit "C";
- D. The July 31, 2022 Disbursement Summary of warrants 428809 through 429430, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$41,566,346, as outlined in Exhibit "D";
- E. The Summary of Payroll ACH payments in the total amount of \$3,359,563 as outlined in Exhibit "E"; and
- F. The Disclosure Report of Reimbursements to Board members and staff for July 2022, detailing payments or reimbursements for individual charges of \$100 or more per transaction, as outlined in Exhibit "F".

FISCAL IMPACTS:

As of July 31, 2022, the book value of the investment portfolio was \$371,876,994, with a 0.96% rate of return and a market value of \$367,856,862. Based on IRWD's June 30, 2022, quarterly real estate investment rate of return of 13.08%, the weighted average return for the fixed income and real estate investments was 3.40%.

As of July 31, 2022, the outstanding principal amount of fixed and variable rate debt was \$621,195,000. The monthly weighted average all-in variable rate was 0.97%. Including IRWD's weighted average fixed rate bond issues of 3.71% and the negative cash accruals from fixed payer interest rate swaps, which hedge a portion of the District's variable rate debt, the total average debt rate was 3.05%.

Payroll ACH payments totaled \$3,359,563 and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for July totaled \$41,566,346.

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; the investment and debt reports are submitted to the Finance and Personnel Committee monthly.

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 2022 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$3,359,563, AND APPROVE THE JULY 2022 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 428809 THROUGH 429430, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$41,566,346.

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

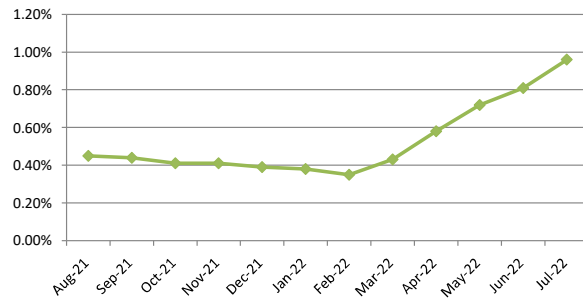
Exhibit "A"

Irvine Ranch Water District

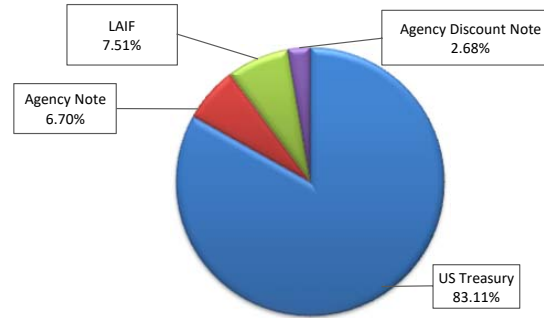
Investment Portfolio Summary

July 2022

Monthly Fixed Income Yield



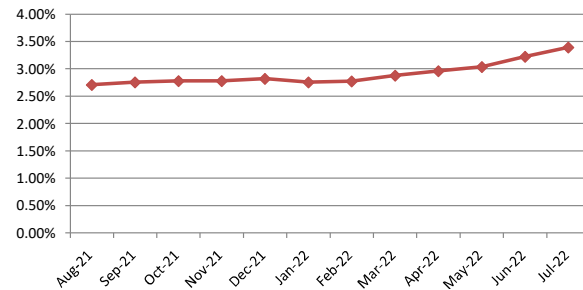
Portfolio Distribution



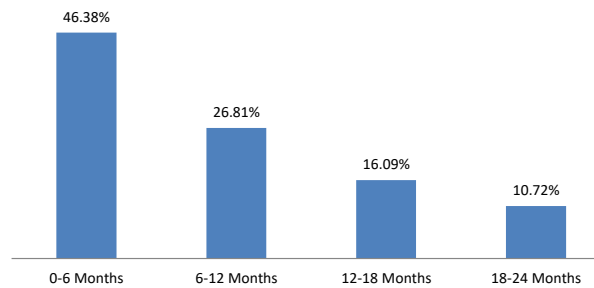
Investment Summary

Type	PAR	Book Value	Market Value
US Treasury	310,000,000	308,849,852	305,547,050
LAIF	28,000,000	28,000,000	27,639,512
Agency Note	25,000,000	25,034,031	24,680,000
Agency Discount Note	10,000,000	9,993,111	9,990,300
Grand Total	373,000,000	371,876,994	367,856,862

Weighted Average Return Including Real Estate Portfolio



Maturity Distribution



Top Issuers

Issuer	PAR	% Portfolio
US Treasury	310,000,000	83.11%
State of California Tsy.	28,000,000	7.51%
Fed Home Loan Bank	25,000,000	6.70%
Fed Farm Credit Bank	10,000,000	2.68%
Grand Total	373,000,000	100.00%

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

07/31/22

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 7/31/2022	UNREALIZED ⁽²⁾ GAIN/(LOSS)
07/29/22			08/01/22		LAIF	State of California Tsy.	\$28,000,000		1.170%	\$28,000,000.00	\$28,000,000.00	27,639,511.59	(360,488.41)
06/30/22	NA	NA	08/17/22	NR	FHLB - Discount Note	Fed Home Loan Bank	10,000,000	1.550%	1.575%	9,979,333.33	9,993,111.11	9,990,300.00	(2,811.11)
04/28/21	NA	NA	08/31/22	Aaa/NR/NR	Treasury - Note	US Treasury	5,000,000	0.125%	0.102%	5,001,562.50	5,000,095.66	4,991,400.00	(8,695.66)
12/15/21	NA	NA	08/31/22	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	1.875%	0.188%	5,059,570.31	5,006,900.04	4,998,450.00	(8,450.04)
01/13/22	NA	NA	08/31/22	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.312%	4,994,140.63	4,999,235.73	4,991,400.00	(7,835.73)
02/15/22	NA	NA	08/31/22	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.776%	4,982,617.19	4,997,352.87	4,991,400.00	(5,952.87)
02/15/22	NA	NA	08/31/22	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.769%	4,982,812.50	4,997,382.61	4,991,400.00	(5,982.61)
04/28/21	NA	NA	09/09/22	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	5,000,000	2.000%	0.112%	5,128,632.30	5,010,053.43	4,997,800.00	(12,253.43)
12/03/21	NA	NA	09/30/22	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.210%	4,996,484.38	4,999,299.21	4,982,900.00	(16,399.21)
01/10/22	NA	NA	09/30/22	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.332%	4,992,578.13	4,998,306.80	4,982,900.00	(15,406.80)
02/28/22	NA	NA	09/30/22	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.742%	4,982,031.25	4,994,962.03	4,982,900.00	(12,062.03)
03/23/22	NA	NA	09/30/22	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.937%	9,957,812.50	9,986,747.38	9,965,800.00	(20,947.38)
06/14/22	NA	NA	10/15/22	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	1.375%	1.845%	9,983,984.38	9,990,234.38	9,980,600.00	(9,634.38)
04/22/21	NA	NA	10/31/22	Aaa/NR/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.110%	10,002,343.75	10,003,117.29	9,944,500.00	(58,617.29)
12/23/21	NA	NA	10/31/22	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.253%	9,989,062.50	9,996,809.90	9,944,500.00	(52,309.90)
04/11/22	NA	NA	10/31/22	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	1.235%	9,939,062.50	9,972,683.19	9,944,500.00	(28,183.19)
05/20/21	NA	NA	11/30/22	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.103%	5,001,647.15	5,000,356.54	4,957,400.00	(42,956.54)
12/20/21	NA	NA	11/30/22	Aaa/NR/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.266%	9,986,718.75	9,995,341.94	9,914,800.00	(80,541.94)
01/07/22	NA	NA	11/30/22	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.401%	4,987,695.31	4,995,446.89	4,957,400.00	(38,046.89)
10/15/21	NA	NA	12/15/22	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	1.625%	0.140%	10,173,046.88	10,055,245.01	9,963,700.00	(91,545.01)
11/30/21	NA	NA	12/31/22	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.216%	9,990,234.38	9,996,251.58	9,889,500.00	(106,751.58)
09/30/21	NA	NA	01/31/23	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.143%	4,998,828.13	4,999,560.55	4,932,050.00	(67,510.55)
12/30/21	NA	NA	01/31/23	Aaa/NR/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.417%	9,968,359.38	9,985,415.03	9,864,100.00	(121,315.03)
02/28/22	NA	NA	01/31/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	1.070%	4,956,640.63	4,976,454.70	4,932,050.00	(44,404.70)
11/18/21	NA	NA	02/10/23	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	10,000,000	0.160%	0.285%	9,984,690.00	9,993,419.09	9,853,500.00	(139,919.09)
10/07/21	NA	NA	02/28/23	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.181%	9,992,187.50	9,996,761.42	9,839,500.00	(157,261.42)
09/09/21	NA	NA	03/31/23	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.153%	9,995,703.13	9,998,169.29	9,814,500.00	(183,669.29)
11/02/21	NA	NA	03/31/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.308%	4,987,109.38	4,993,930.88	4,907,250.00	(86,680.88)
09/30/21	NA	NA	04/30/23	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.202%	9,987,890.63	9,994,291.60	9,789,500.00	(204,791.60)
10/19/21	NA	NA	04/30/23	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.307%	9,972,265.63	9,986,480.74	9,789,500.00	(196,980.74)
11/16/21	NA	NA	05/31/23	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.385%	9,960,156.25	9,978,480.11	9,768,400.00	(210,080.11)
12/29/21	NA	NA	06/30/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.563%	4,967,187.50	4,980,061.02	4,872,050.00	(108,011.02)
04/21/22	NA	NA	06/30/23	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	1.375%	2.107%	9,914,062.50	9,934,213.36	9,856,600.00	(77,613.36)
01/11/22	NA	NA	07/31/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.710%	4,954,882.81	4,970,984.70	4,861,700.00	(109,284.70)
02/28/22	NA	NA	07/31/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	1.408%	4,909,960.94	4,936,729.31	4,861,700.00	(75,029.31)
01/13/22	NA	NA	08/15/23	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.769%	9,898,437.50	9,933,519.54	9,710,900.00	(222,619.54)
02/15/22	NA	NA	08/31/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	1.473%	4,898,046.88	4,928,342.56	4,850,400.00	(77,942.56)
11/26/21	NA	NA	09/30/23	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.250%	0.572%	9,941,015.63	9,962,751.33	9,690,200.00	(272,551.33)
03/31/22	NA	NA	10/31/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	1.625%	2.155%	4,958,984.38	4,967,697.54	4,919,750.00	(47,947.54)
04/21/22	NA	NA	10/31/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	1.625%	2.380%	4,943,750.00	4,954,032.26	4,919,750.00	(34,282.26)
03/31/22	NA	NA	11/30/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.500%	2.210%	4,860,742.19	4,888,868.15	4,840,800.00	(48,068.15)
04/21/22	NA	NA	11/30/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.500%	2.462%	4,846,093.75	4,872,791.77	4,840,800.00	(31,991.77)
04/14/22	NA	NA	12/15/23	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	2.213%	4,829,687.50	4,860,120.39	4,810,350.00	(49,770.39)
03/22/22	NA	NA	01/31/24	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	0.875%	2.013%	4,896,484.38	4,916,578.59	4,847,250.00	(69,328.59)
03/22/22	NA	NA	02/29/24	Aaa/AA/AAA	Treasury - Note	US Treasury	5,000,000	1.500%	2.020%	4,950,781.25	4,959,944.68	4,888,500.00	(71,444.68)
03/10/22	NA	NA	03/08/24	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	10,000,000	1.875%	1.680%	10,038,080.00	10,030,558.02	9,828,700.00	(201,858.02)
04/21/22	NA	NA	04/30/24	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	2.000%	2.600%	9,882,421.88	9,898,628.59	9,840,200.00	(58,428.59)
05/31/22	NA	NA	05/31/24	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	2.500%	2.560%	9,988,281.25	9,989,275.18	9,923,800.00	(65,475.18)
SUB-TOTAL							\$373,000,000			\$371,594,101.62	\$371,876,994.00	\$367,856,861.59	(\$4,020,132.41)

IRVINE RANCH WATER DISTRICT
INVESTMENT SUMMARY REPORT

07/31/22

SETTLMT	Call Schedule	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount	COUPON DISCOUNT	YIELD	ORIGINAL COST	CARRY VALUE	MARKET VALUE ⁽¹⁾ 7/31/2022	UNREALIZED ⁽²⁾ GAIN/(LOSS)
TOTAL INVESTMENTS							\$373,000,000			\$371,594,101.62	\$371,876,994.00	\$367,856,861.59	(\$4,020,132.41)
					Petty Cash					3,400.00			
					Ck Balance	Bank of America	ECR	0.19%		5,224,628.39			
										\$376,822,130.01			

⁽¹⁾ LAIF market value is as of the most recent quarter-end as reported by LAIF. Security market values are determined using Bank of New York ("Trading Prices"), Bloomberg and/or broker dealer pricing.					Outstanding Variable Rate Debt				\$237,300,000
					Net Outstanding Variable Rate Debt (Less \$60 million fixed-payer swaps)				\$177,300,000
⁽²⁾ Gain (loss) calculated against carry value using the trading value provided by Bank of New York/or Brokers					Investment Balance:				\$376,822,130
⁽³⁾ Real estate rate of return is based on most recent quarter end return					Investment to Variable Rate Debt Ratio:				213%
					Portfolio - Average Number of Days To Maturity				232
This Investment Summary Report is in conformity with the 2022 Investment Policy and provides sufficient liquidity to meet the next six months estimated expenditures.					Investment Portfolio		Real Estate ⁽³⁾ Portfolio		Weighted Avg. Return
					July		13.08%		3.40%
					June		13.08%		3.22%
					Change		0.15%		0.18%

IRVINE RANCH WATER DISTRICT
SUMMARY OF MATURITIES

07/31/22

DATE	TOTAL	%	LAIF	Agency Notes	Agency Discount Notes	Municipal Bonds	US Treasury
07/22	28,000,000	7.51%	\$28,000,000				
08/22	35,000,000	9.38%			10,000,000		25,000,000
09/22	30,000,000	8.04%		5,000,000			25,000,000
10/22	40,000,000	10.72%					40,000,000
11/22	20,000,000	5.36%					20,000,000
12/22	20,000,000	5.36%					20,000,000
1/23	20,000,000	5.36%					20,000,000
2/23	20,000,000	5.36%		10,000,000			10,000,000
3/23	15,000,000	4.02%					15,000,000
4/23	20,000,000	5.36%					20,000,000
5/23	10,000,000	2.68%					10,000,000
6/23	15,000,000	4.02%					15,000,000
SUB-TOTAL	\$273,000,000	73.19%	\$28,000,000	\$15,000,000	\$10,000,000		\$220,000,000

13 Months - 3 YEARS							
07/01/2023 - 09/30/2023	\$35,000,000	9.38%					35,000,000
10/01/2023 - 12/31/2023	\$25,000,000	6.70%					25,000,000
1/01/2024 - 03/31/2024	\$20,000,000	5.36%		10,000,000			10,000,000
04/01/2024 - 06/30/2024	\$20,000,000	5.36%					20,000,000
7/01/2024 +							
TOTALS	\$373,000,000	100.00%	\$28,000,000	25,000,000	10,000,000		310,000,000

% OF PORTFOLIO

7.51%

6.70%

2.68%

83.11%

Irvine Ranch Water District
Summary of Real Estate - Income Producing Investments
6/30/2022

	ACQUISITION DATE	PROPERTY TYPE	OWNERSHIP INTEREST	ORIGINAL COST	MARKET VALUE 6/30/2022	ANNUALIZED RATE OF RETURN QUARTER ENDED 6/30/2022
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 43,550,810	\$ 174,250,000	21.75%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	\$ 34,194,459	8.52%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,739,845	\$ 12,240,000	11.30%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,630,577	\$ 11,832,000	8.04%
Sand Canyon Professional Center - Medical Office	Jul-12	Medical Office	Fee Simple	\$ 8,648,594	\$ 12,138,000	8.75%
Sand Canyon Professional Center - General Office	Sep-20	Office Building	Fee Simple	\$ 25,985,968	\$ 33,915,000	3.12%
Total - Income Properties				\$ 98,555,794	\$ 278,569,459	13.08%

IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT
INVESTMENT ACTIVITY
Jul-22

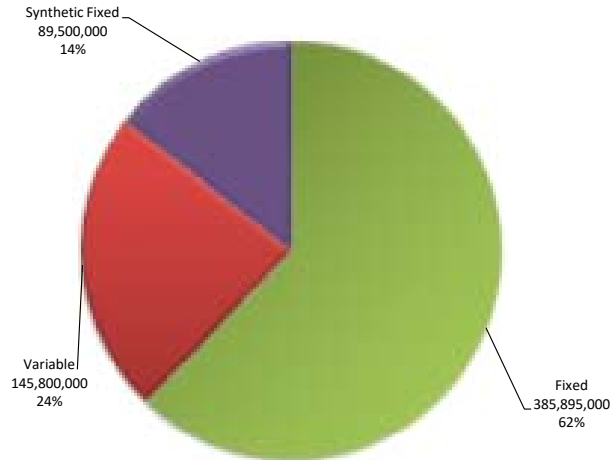
MATURITIES/SALES/CALLS

PURCHASES

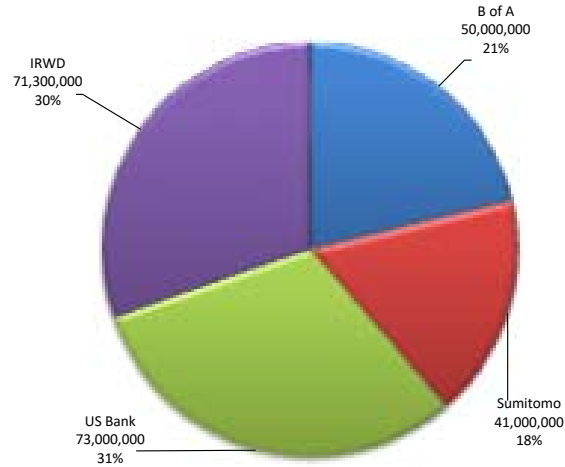
DATE	SECURITY TYPE	PAR	YIELD	Settlement Date	Maturity Date	SECURITY TYPE	PAR	YIELD TO MATURITY
7/15/2022	FFCB - Note	\$5,000,000	1.59%					
7/31/2022	Treasury - Note	\$10,000,000	0.16%					

Exhibit "B"
Irvine Ranch Water District
Summary of Fixed and Variable Rate Debt
July 2022

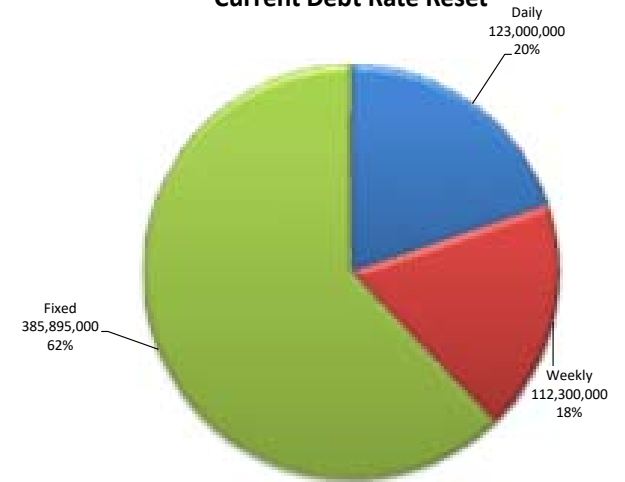
Current Debt Mix By Type



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	\$23,000,000	3.70%	US Bank	BAML	Variable	Daily
Series 2008-A Refunding	04/24/08	07/01/35	\$41,000,000	6.60%	Sumitomo	BAML	Variable	Weekly
Series 2011-A-1 Refunding	04/15/11	10/01/37	\$42,780,000	6.89%	IRWD	Goldman	Variable	Weekly
Series 2011-A-2 Refunding	04/15/11	10/01/37	\$28,520,000	4.59%	IRWD	Goldman	Variable	Weekly
Series 2009 - A	06/04/09	10/01/41	\$50,000,000	8.05%	US Bank	US Bank	Variable	Daily
Series 2009 - B	06/04/09	10/01/41	\$50,000,000	8.05%	B of A	Goldman	Variable	Daily
2016 COPS	09/01/16	03/01/46	\$109,650,000	17.65%	N/A	N/A	Fixed	Fixed
2010 Build America Taxable Bond	12/16/10	05/01/40	\$175,000,000	28.17%	N/A	N/A	Fixed	Fixed
Series 2016	10/12/16	02/01/46	\$101,245,000	16.30%	N/A	N/A	Fixed	Fixed
Total			\$621,195,000	100.00%				

IRVINE RANCH WATER DISTRICT
SUMMARY OF FIXED & VARIABLE RATE DEBT

July-22

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	\$23,000,000	US BANK	05/07/15	05/01/25		Aa3/VMIG1	AA-/A-1+	N/R	\$23,310,027	0.3000%	\$69,930	BAML	DAILY	0.10%	\$23,000	BANK OF NY
SERIES 2008-A Refunding	04/24/08	07/01/35	Jul 1	5th Bus. Day	\$60,215,000	\$41,000,000	SUMITOMO	04/01/11	05/28/25		A1/P-1	A/A-1	A/F1	\$41,606,575	0.3150%	\$131,061	BAML	WED	0.07%	\$28,700	BANK OF NY
SERIES 2011-A-1 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	\$60,545,000	\$42,780,000	N/A	N/A	N/A		Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A	Goldman	WED	0.13%	\$53,475	BANK OF NY
SERIES 2011-A-2 Refunding	04/15/11	10/01/37	Oct 1	1st Bus. Day	\$40,370,000	\$28,520,000	N/A	N/A	N/A		Aa1/VMIG1	A-1+	AAA/F1+	N/A	N/A	N/A	Goldman	WED	0.13%	\$35,650	BANK OF NY
SERIES 2009 - A	06/04/09	10/01/41	Oct 1	1st Bus. Day	\$75,000,000	\$50,000,000	US BANK	04/01/11	05/01/25		Aa2/VMIG 1	AA-/A-1+	AA/F1+	\$50,558,904	0.3000%	\$151,677	US Bank	DAILY	0.07%	\$35,000	US BANK
SERIES 2009 - B	06/04/09	10/01/41	Oct 1	1st Bus. Day	\$75,000,000	\$50,000,000	B of A	04/01/11	04/21/25		Aa2/VMIG 1	A/A-1	A1/F1+	\$50,558,904	0.2800%	\$141,565	Goldman	DAILY	0.10%	\$50,000	US BANK
					\$349,430,000	\$235,300,000	SUB-TOTAL VARIABLE RATE DEBT							\$166,034,411	0.2977%	\$494,232					
							(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 1	Mar/Sept	\$116,745,000	\$109,650,000	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 1	Feb/Aug	\$103,400,000	\$101,245,000	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	\$385,895,000	SUB-TOTAL FIXED RATE DEBT														
					\$744,575,000	\$621,195,000	TOTAL- FIXED & VARIABLE RATE DEBT														

Remarketing Agents			GO VS COP's		
Goldman	121,300,000	52%	GO:	511,545,000	82%
BAML	64,000,000	27%	COPS:	109,650,000	18%
US Bank	50,000,000	21%	Total	<u>621,195,000</u>	
	<u>235,300,000</u>				

LOC Banks		Breakdown Between Variable & Fixed Rate Mode	
SUMITOMO	41,000,000	Daily Issues	123,000,000 20%
BANK OF AMERICA	50,000,000	Weekly Issues	41,000,000 7%
US BANK	73,000,000	ITN Issues	71,300,000 11%
	<u>164,000,000</u>	Sub-Total	<u>235,300,000</u>
		Fixed Rate Issues	\$385,895,000 62%
		Sub-Total - Fixed	<u>385,895,000</u>
		TOTAL DEBT	
		FIXED & VAR.	<u>621,195,000</u> 100%

SUMMARY OF DEBT RATES
Jul-22

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	50,000,000	42,780,000	28,520,000	23,000,000	41,000,000	50,000,000
LOC Bank	BOFA	(SIFMA + 6)	(SIFMA + 6)	US BANK	Sumitomo	US BANK
Reset		Wednesday	Wednesday		Wednesday	
7/1/2022	0.40%	0.97%	0.97%	0.38%	0.78%	0.50%
7/2/2022	0.40%	0.97%	0.97%	0.38%	0.78%	0.50%
7/3/2022	0.40%	0.97%	0.97%	0.38%	0.78%	0.50%
7/4/2022	0.40%	0.97%	0.97%	0.38%	0.78%	0.50%
7/5/2022	0.32%	0.97%	0.97%	0.37%	0.78%	0.40%
7/6/2022	0.30%	0.97%	0.97%	0.33%	0.78%	0.36%
7/7/2022	0.30%	0.84%	0.84%	0.31%	0.63%	0.30%
7/8/2022	0.30%	0.84%	0.84%	0.29%	0.63%	0.30%
7/9/2022	0.30%	0.84%	0.84%	0.29%	0.63%	0.30%
7/10/2022	0.30%	0.84%	0.84%	0.29%	0.63%	0.30%
7/11/2022	0.30%	0.84%	0.84%	0.27%	0.63%	0.30%
7/12/2022	0.28%	0.84%	0.84%	0.26%	0.63%	0.29%
7/13/2022	0.26%	0.84%	0.84%	0.25%	0.63%	0.28%
7/14/2022	0.27%	0.75%	0.75%	0.24%	0.50%	0.26%
7/15/2022	0.29%	0.75%	0.75%	0.23%	0.50%	0.26%
7/16/2022	0.29%	0.75%	0.75%	0.23%	0.50%	0.26%
7/17/2022	0.29%	0.75%	0.75%	0.23%	0.50%	0.26%
7/18/2022	0.28%	0.75%	0.75%	0.23%	0.50%	0.26%
7/19/2022	0.25%	0.75%	0.75%	0.23%	0.50%	0.25%
7/20/2022	0.25%	0.75%	0.75%	0.30%	0.50%	0.25%
7/21/2022	0.30%	0.71%	0.71%	0.41%	0.46%	0.33%
7/22/2022	0.50%	0.71%	0.71%	0.59%	0.46%	0.56%
7/23/2022	0.50%	0.71%	0.71%	0.59%	0.46%	0.56%
7/24/2022	0.50%	0.71%	0.71%	0.59%	0.46%	0.56%
7/25/2022	0.66%	0.71%	0.71%	0.65%	0.46%	0.87%
7/26/2022	0.74%	0.71%	0.71%	0.90%	0.46%	0.95%
7/27/2022	1.04%	0.71%	0.71%	1.22%	0.46%	1.10%
7/28/2022	1.35%	1.39%	1.39%	1.37%	1.10%	1.35%
7/29/2022	1.59%	1.39%	1.39%	1.55%	1.10%	1.65%
7/30/2022	1.59%	1.39%	1.39%	1.55%	1.10%	1.65%
7/31/2022	1.59%	1.39%	1.39%	1.55%	1.10%	1.65%
Avg Interest Rates	0.53%	0.89%	0.89%	0.54%	0.65%	0.58%
Rmkt Fee	0.10%	0.13%	0.13%	0.10%	0.07%	0.07%
LOC Fee	0.28%			0.30%	0.32%	0.30%
All-In Rate	0.91%	1.01%	1.01%	0.94%	1.04%	0.95%
Par Amount	92,780,000		28,520,000	64,000,000		50,000,000

Interest Rate Mode	Percent of Total Variable Rate Debt	Par Outstanding	Weighted All-In Average Rate	Base Rate Average
Daily	52.27%	123,000,000	0.93%	0.55%
Weekly	47.73%	112,300,000	1.02%	0.80%
	100.00%	\$ 235,300,000	0.97%	0.67%
Fixed				
COPS 2016	28.41%	109,650,000	2.90%	
BABS 2010	45.35%	175,000,000	4.44%	(1)
SERIES 2016	26.24%	101,245,000	3.32%	
	100.00%	\$ 385,895,000	3.71%	
All-In Debt Rate Including \$60 Million Notional Amount of Swaps				3.05%

(1) Rate adjusted up from 4.35% as a result of sequestration reducing BAB's subsidy by 5.7%

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Exhibit "C"

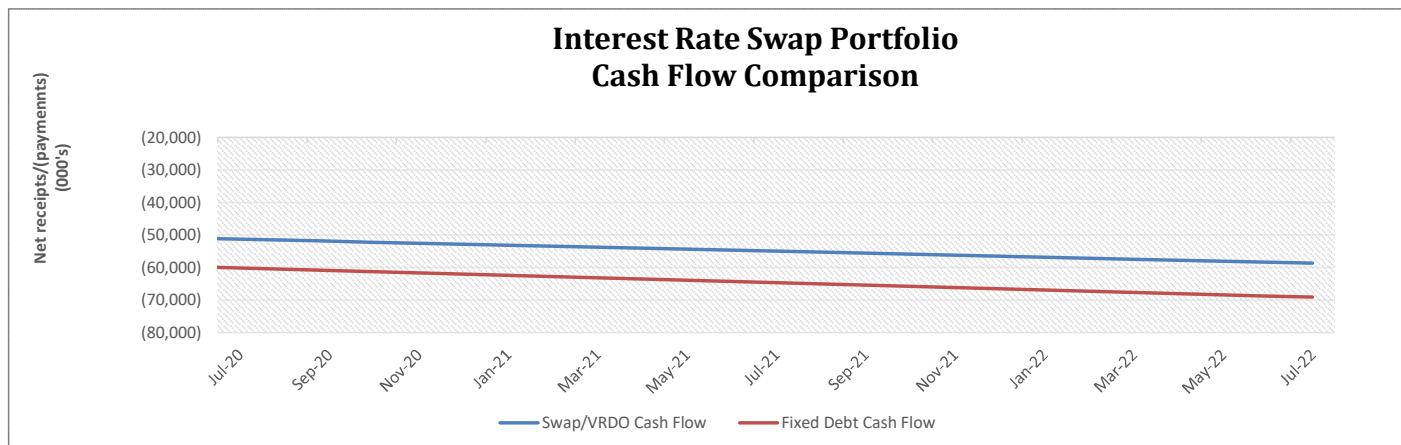
Irvine Ranch Water District Interest Rate Swap Summary July 2022

	Prior Mo.	Current Mo.	12-Mo Avg
LIBOR Avg %	1.49%	1.64%	0.48%

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	6.6	ML	30,000,000	FXP	LIBOR	5.687%	(110,423)	(97,796)	(97,796)	(21,480,360)		24,243,465	(5,756,535)
3/10/2007	3/10/2029	6.6	CG	30,000,000	FXP	LIBOR	5.687%	(110,423)	(97,796)	(97,796)	(21,480,360)		24,244,691	(5,755,309)
Totals/Weighted Avgs				\$ 60,000,000			5.687%	\$ (220,846)	\$ (195,592)	\$ (195,592)	\$ (42,960,719)		\$ 48,488,156	\$ (11,511,844)
Total Current Year Active Swaps				\$ 60,000,000				\$ (220,846)	\$ (195,592)	\$ (195,592)	\$ (42,960,719)		\$ 48,488,156	\$ (11,511,844)

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	
								Prior Month	Current Month	Fiscal YTD	Cumulative Net Accrual		Current Mark to Market	Notional Difference
Total Current Year Active & Terminated Swaps				\$ 60,000,000				\$ (220,846)	\$ (195,592)	\$ (195,592)	\$ (42,960,719)		\$ 48,488,156	\$ (11,511,844)



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt	
<u>Cash Flow to Date</u>	
Synthetic Fixed =	\$58,593,407
Fixed Rate =	\$69,081,318
<u>Assumptions:</u>	
- Fixed rate debt issued at 4.93% in Mar-07 (estimated TE rate - Bloomberg)	
- 'Synthetic' includes swap cash flow + interest + fees to date	

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Exhibit "D"
IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JUL 2022

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
428809	5-Jul-22	JCI JONES CHEMICALS INC	3,269.54	IRWD Check	Negotiable
428810	7-Jul-22	Crowe, David M (David)	155.00	IRWD Check	Reconciled
428811	7-Jul-22	Daniel, Matthew (Matthew)	372.00	IRWD Check	Reconciled
428812	7-Jul-22	Nelson, Mark D (Mark)	272.53	IRWD Check	Reconciled
428813	7-Jul-22	Sanchez, Fiona M (Fiona)	10.94	IRWD Check	Reconciled
428814	7-Jul-22	Vo, Dan (Daniel)	1,472.97	IRWD Check	Reconciled
428815	7-Jul-22	Williams, Warren (Randy)	178.55	IRWD Check	Reconciled
428816	7-Jul-22	8687 RESEARCH LLC	228.17	IRWD Check	Reconciled
428817	7-Jul-22	ACCUSTANDARD INC	426.01	IRWD Check	Reconciled
428818	7-Jul-22	ADS CORP.	2,325.00	IRWD Check	Reconciled
428819	7-Jul-22	AECOM TECHNICAL SERVICES, INC.	2,815.00	IRWD Check	Reconciled
428820	7-Jul-22	AM CONSERVATION GROUP, INC.	366.38	IRWD Check	Reconciled
428821	7-Jul-22	AMAZON CAPITAL SERVICES, INC.	352.66	IRWD Check	Reconciled
428822	7-Jul-22	APPLIED ENGINEERING CONCEPTS	3,340.00	IRWD Check	Reconciled
428823	7-Jul-22	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA	37,595.27	IRWD Check	Reconciled
428824	7-Jul-22	BADGER METER INC.	157,746.00	IRWD Check	Reconciled
428825	7-Jul-22	BERMUDEZ, JOHN	75.88	IRWD Check	Reconciled
428826	7-Jul-22	BSI AMERICA PROFESSIONAL SERVICES INC.	32,601.50	IRWD Check	Reconciled
428827	7-Jul-22	C WELLS PIPELINE MATERIALS INC	18,770.05	IRWD Check	Reconciled
428828	7-Jul-22	CALIFORNIA BARRICADE RENTAL, INC.	5,107.50	IRWD Check	Reconciled
428829	7-Jul-22	CANNON CORPORATION	2,060.00	IRWD Check	Reconciled
428830	7-Jul-22	CANON SOLUTIONS AMERICA, INC.	924.91	IRWD Check	Reconciled
428831	7-Jul-22	CDW GOVERNMENT LLC	2,217.46	IRWD Check	Reconciled
428832	7-Jul-22	CEM CORPORATION	7,603.20	IRWD Check	Reconciled
428833	7-Jul-22	CHO DESIGN ASSOCIATES, INC	4,800.00	IRWD Check	Reconciled
428834	7-Jul-22	CITY OF ORANGE	249.33	IRWD Check	Reconciled
428835	7-Jul-22	CLA-VAL COMPANY	1,552.69	IRWD Check	Reconciled
428836	7-Jul-22	COLONIAL LIFE & ACCIDENT INSURANCE CO.	652.98	IRWD Check	Reconciled
428837	7-Jul-22	CONSTELLATION NEWENERGY, INC.	171,134.20	IRWD Check	Reconciled
428838	7-Jul-22	DE VAUL PAINT COMPANY	1,071.99	IRWD Check	Reconciled
428839	7-Jul-22	DEAN ALLAN VOTAVA	1,500.00	IRWD Check	Reconciled
428840	7-Jul-22	DINSMOOR, LARISA	168.97	IRWD Check	Reconciled
428841	7-Jul-22	DRAKE TRAFFIC CONTROL SERVICES INC	945.00	IRWD Check	Reconciled
428842	7-Jul-22	ENDRESS AND HAUSER INC	9,416.35	IRWD Check	Reconciled
428843	7-Jul-22	ENTERPRISE INFORMATION SYSTEMS, INC.	8,610.00	IRWD Check	Reconciled
428844	7-Jul-22	EXECUTIVE LIGHTING & ELECTRIC	6,629.60	IRWD Check	Reconciled
428845	7-Jul-22	FASTBLUE COMMUNICATIONS INC.	1,917.00	IRWD Check	Reconciled
428846	7-Jul-22	FEDEX	183.99	IRWD Check	Reconciled
428847	7-Jul-22	FERGUSON ENTERPRISES, LLC	2,715.30	IRWD Check	Reconciled
428848	7-Jul-22	FIRST CHOICE SERVICES	2,903.09	IRWD Check	Reconciled
428849	7-Jul-22	FISHER SCIENTIFIC COMPANY LLC	321.96	IRWD Check	Reconciled
428850	7-Jul-22	FLEET SOLUTIONS LLC	5,485.55	IRWD Check	Reconciled
428851	7-Jul-22	FLUID SOUND, INC.	1,870.25	IRWD Check	Reconciled
428852	7-Jul-22	GEIGER BROS	702.15	IRWD Check	Reconciled
428853	7-Jul-22	GRAINGER	2,247.98	IRWD Check	Reconciled
428854	7-Jul-22	HI-LINE INC	364.59	IRWD Check	Reconciled
428855	7-Jul-22	HOWDEN USA COMPANY	28,077.50	IRWD Check	Reconciled
428856	7-Jul-22	HUMANA INSURANCE COMPANY	75.30	IRWD Check	Reconciled
428857	7-Jul-22	INNOVATIVE MACHINE TOOL REPAIR LLC	312.59	IRWD Check	Reconciled
428858	7-Jul-22	IRVINE PIPE & SUPPLY INC	3,836.13	IRWD Check	Reconciled
428859	7-Jul-22	IRVINE UNIFIED SCHOOL DISTRICT	124.95	IRWD Check	Reconciled
428860	7-Jul-22	IRWD-PETTY CASH CUSTODIAN	783.50	IRWD Check	Reconciled
428861	7-Jul-22	IYER, RANJIT	411.12	IRWD Check	Reconciled
428862	7-Jul-22	JAMBOREE SMOG	58.00	IRWD Check	Reconciled
428863	7-Jul-22	JOHN MICHAEL COVAS	216.90	IRWD Check	Reconciled
428864	7-Jul-22	KIMBALL MIDWEST	1,789.64	IRWD Check	Reconciled
428865	7-Jul-22	LAGUNA BEACH COUNTY WATER DISTRICT	33,003.29	IRWD Check	Reconciled
428866	7-Jul-22	LENNAR HOMES OF CALIFORNIA, INC.	545.71	IRWD Check	Reconciled
428867	7-Jul-22	MACDIARMID, ETHEL	37.78	IRWD Check	Reconciled
428868	7-Jul-22	MARCHU, BRUCE	52.14	IRWD Check	Reconciled
428869	7-Jul-22	MARK ENTERPRISES TECHNOLOGIES LLC	31,290.34	IRWD Check	Reconciled
428870	7-Jul-22	MBC AQUATIC SCIENCES, INC.	1,400.00	IRWD Check	Reconciled
428871	7-Jul-22	MC FADDEN-DALE INDUSTRIAL	139.38	IRWD Check	Reconciled
428872	7-Jul-22	MERCEDES-BENZ OF FOOTHILL RANCH	591.25	IRWD Check	Reconciled
428873	7-Jul-22	MICRO FOCUS SOFTWARE INC.	38,699.74	IRWD Check	Reconciled
428874	7-Jul-22	MISSION COMMUNICATIONS, LLC	5,479.80	IRWD Check	Reconciled
428875	7-Jul-22	MULTARI, PAUL	15.84	IRWD Check	Reconciled
428876	7-Jul-22	MUTUAL PROPANE	125.08	IRWD Check	Reconciled
428877	7-Jul-22	N1 CRITICAL TECHNOLOGIES, INC	3,780.00	IRWD Check	Reconciled
428878	7-Jul-22	NEWAGE INDUSTRIES INC	2,638.68	IRWD Check	Reconciled
428879	7-Jul-22	NMG GEOTECHNICAL INC	8,932.40	IRWD Check	Reconciled
428880	7-Jul-22	O'REILLY AUTO ENTERPRISES, LLC	882.34	IRWD Check	Reconciled
428881	7-Jul-22	OLIN CORPORATION	8,815.12	IRWD Check	Reconciled
428882	7-Jul-22	ONESOURCE DISTRIBUTORS LLC	370.20	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JUL 2022**

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
428883	7-Jul-22	ORANGE COUNTY AUTO PARTS CO	142.37	IRWD Check	Reconciled
428884	7-Jul-22	ORANGE COUNTY SANITATION DISTRICT	3,170.00	IRWD Check	Reconciled
428885	7-Jul-22	PACIFIC HYDROTECH CORPORATION	115,975.21	IRWD Check	Reconciled
428886	7-Jul-22	PACIFIC STAR CHEMICAL, LLC	2,540.98	IRWD Check	Reconciled
428887	7-Jul-22	PALO VERDE IRRIGATION DISTRICT	5,000.00	IRWD Check	Reconciled
428888	7-Jul-22	PAPER DEPOT DOCUMENT DESTRUCTION LLC	338.00	IRWD Check	Reconciled
428889	7-Jul-22	PLUMBERS DEPOT INC.	1,131.38	IRWD Check	Reconciled
428890	7-Jul-22	REACH EMPLOYEE ASSISTANCE INC	1,066.80	IRWD Check	Reconciled
428891	7-Jul-22	RICHARD C. SLADE & ASSOCIATES LLC	508.40	IRWD Check	Negotiable
428892	7-Jul-22	ROBERT HUANG	5,000.00	IRWD Check	Reconciled
428893	7-Jul-22	S & J SUPPLY CO INC	15,591.79	IRWD Check	Reconciled
428894	7-Jul-22	SANTA MARGARITA FORD	165.90	IRWD Check	Reconciled
428895	7-Jul-22	SEAL ANALYTICAL INC	3,318.70	IRWD Check	Reconciled
428896	7-Jul-22	SECURITAS SECURITY SERVICES USA, INC.	6,716.98	IRWD Check	Reconciled
428897	7-Jul-22	SHAMROCK SUPPLY CO INC	1,080.52	IRWD Check	Reconciled
428898	7-Jul-22	SHIMIZU, LINDA	26.02	IRWD Check	Reconciled
428899	7-Jul-22	SMITH SYSTEM DRIVER IMPROVEMENT INSTITUTE, INC.	3,059.78	IRWD Check	Reconciled
428900	7-Jul-22	SOUTHERN CALIFORNIA EDISON COMPANY	189,368.70	IRWD Check	Reconciled
428901	7-Jul-22	STATE OF CALIFORNIA, DEPARTMENT OF WATER RESOURCES	265,167.00	IRWD Check	Reconciled
428902	7-Jul-22	SUSAN A. SIROTA	9,700.00	IRWD Check	Reconciled
428903	7-Jul-22	TANKVISIONS, INC	30.00	IRWD Check	Reconciled
428904	7-Jul-22	TETRA TECH, INC	37,468.50	IRWD Check	Reconciled
428905	7-Jul-22	UNITED HEALTHCARE INSURANCE COMPANY	348.42	IRWD Check	Reconciled
428906	7-Jul-22	UNITED PARCEL SERVICE INC	100.44	IRWD Check	Reconciled
428907	7-Jul-22	VAUGHAN'S INDUSTRIAL REPAIR CO INC	13,499.02	IRWD Check	Reconciled
428908	7-Jul-22	VERTECH INDUSTRIAL SYSTEMS, LLC	8,146.96	IRWD Check	Reconciled
428909	7-Jul-22	WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.	3,629.40	IRWD Check	Reconciled
428910	7-Jul-22	ZEBRON CONTRACTING INC	133,800.00	IRWD Check	Reconciled
428911	11-Jul-22	JCI JONES CHEMICALS INC	7,027.38	IRWD Check	Reconciled
428912	11-Jul-22	PALO VERDE IRRIGATION DISTRICT	221,429.00	IRWD Check	Reconciled
428913	14-Jul-22	Chauv, Denise	494.00	IRWD Check	Reconciled
428914	14-Jul-22	Lam, Chau B (Joe)	974.00	IRWD Check	Reconciled
428915	14-Jul-22	Mitchem, Dennis	2,860.75	IRWD Check	Negotiable
428916	14-Jul-22	Orozco, Linda	60.00	IRWD Check	Reconciled
428917	14-Jul-22	8X8 INC	10,610.52	IRWD Check	Reconciled
428918	14-Jul-22	A CREATIVE PROPERTY MANAGEMENT INC	63.43	IRWD Check	Negotiable
428919	14-Jul-22	ACCUSOURCE, INC.	1,583.01	IRWD Check	Reconciled
428920	14-Jul-22	AGILENT TECHNOLOGIES, INC.	1,141.29	IRWD Check	Reconciled
428921	14-Jul-22	AIR RESOURCES BOARD	420.00	IRWD Check	Reconciled
428922	14-Jul-22	AIRKINETICS, INC	2,549.30	IRWD Check	Reconciled
428923	14-Jul-22	ALCOR SOLUTIONS, INC	6,581.25	IRWD Check	Reconciled
428924	14-Jul-22	ALLIANCE APPRAISAL, LLC	3,000.00	IRWD Check	Reconciled
428925	14-Jul-22	AMAZON CAPITAL SERVICES, INC.	1,571.01	IRWD Check	Reconciled
428926	14-Jul-22	AQUA WAVE SWIM SCHOOL, INC	1,181.33	IRWD Check	Reconciled
428927	14-Jul-22	ASHFORD, WALT	730.56	IRWD Check	Reconciled
428928	14-Jul-22	AT&T	1,690.90	IRWD Check	Reconciled
428929	14-Jul-22	AT&T	1,127.18	IRWD Check	Reconciled
428930	14-Jul-22	ATHENS SERVICES	9,774.26	IRWD Check	Reconciled
428931	14-Jul-22	BELL, HEATHER	57.32	IRWD Check	Reconciled
428932	14-Jul-22	BI, WENRUI	3,643.98	IRWD Check	Reconciled
428933	14-Jul-22	BIGWIG MONSTER, LLC	46,500.00	IRWD Check	Reconciled
428934	14-Jul-22	BOFA SECURITIES, INC.	7,504.38	IRWD Check	Reconciled
428935	14-Jul-22	BRIDGE, CAROLYN	137.42	IRWD Check	Reconciled
428936	14-Jul-22	CALIFORNIA PACIFIC HOMES	1,545.36	IRWD Check	Negotiable
428937	14-Jul-22	CAPTIVE AUDIENCE MARKETING INC.	158.00	IRWD Check	Reconciled
428938	14-Jul-22	CAROLLO ENGINEERS, INC	1,897.50	IRWD Check	Reconciled
428939	14-Jul-22	CDW GOVERNMENT LLC	17,254.42	IRWD Check	Reconciled
428940	14-Jul-22	CHEN, QI	93.72	IRWD Check	Negotiable
428941	14-Jul-22	CHUMO CONSTRUCTION, INC.	1,236.05	IRWD Check	Reconciled
428942	14-Jul-22	CLEAN ENERGY	6,953.19	IRWD Check	Reconciled
428943	14-Jul-22	COLE-PARMER INSTRUMENT CO	143.03	IRWD Check	Reconciled
428944	14-Jul-22	CONSTELLATION NEWENERGY, INC.	163,506.93	IRWD Check	Reconciled
428945	14-Jul-22	COX COMMUNICATIONS, INC.	278.62	IRWD Check	Reconciled
428946	14-Jul-22	CR & R INCORPORATED	294.13	IRWD Check	Reconciled
428947	14-Jul-22	CRESCENT CHEMICAL CO.	569.59	IRWD Check	Reconciled
428948	14-Jul-22	CULLIGAN OF SANTA ANA	3,000.00	IRWD Check	Reconciled
428949	14-Jul-22	CYPRESS VILLAGE CADENZA	355.84	IRWD Check	Reconciled
428950	14-Jul-22	DELL MARKETING LP	5,062.86	IRWD Check	Reconciled
428951	14-Jul-22	DEPARTMENT OF TOXIC SUBSTANCES CONTROL	112.50	IRWD Check	Negotiable
428952	14-Jul-22	DEX MEDIA, INC.	41.00	IRWD Check	Reconciled
428953	14-Jul-22	DG INVESTMENT INTERMEDIATE HOLDINGS 2, INC.	1,175.00	IRWD Check	Reconciled
428954	14-Jul-22	DRAKE TRAFFIC CONTROL SERVICES INC	2,282.50	IRWD Check	Reconciled
428955	14-Jul-22	ENVIRONMENTAL RESOURCE ASSOCIATES	504.32	IRWD Check	Reconciled
428956	14-Jul-22	ENVIRONMENTAL SCIENCE ASSOCIATES	2,536.38	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JUL 2022**

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
428957	14-Jul-22	ESPERANZA APARTMENTS	8,100.27	IRWD Check	Reconciled
428958	14-Jul-22	EUROFINS ENVIRONMENT TESTING AMERICA HOLDINGS, INC.	3,422.25	IRWD Check	Reconciled
428959	14-Jul-22	FEDEX	354.42	IRWD Check	Reconciled
428960	14-Jul-22	FERGUSON ENTERPRISES, LLC	9,109.68	IRWD Check	Reconciled
428961	14-Jul-22	FISHER & PHILLIPS LLP	12,054.89	IRWD Check	Reconciled
428962	14-Jul-22	FISHER SCIENTIFIC COMPANY LLC	14,304.34	IRWD Check	Reconciled
428963	14-Jul-22	FOUGHT, CYNTHIA J.	2,750.27	IRWD Check	Reconciled
428964	14-Jul-22	FRONTIER CALIFORNIA INC.	349.30	IRWD Check	Negotiable
428965	14-Jul-22	GANAHL LUMBER CO.	2,726.08	IRWD Check	Reconciled
428966	14-Jul-22	GARDEN COMMUNITIES	2,600.00	IRWD Check	Reconciled
428967	14-Jul-22	GARY BALE REDI-MIX CONCRETE, INC.	615.30	IRWD Check	Reconciled
428968	14-Jul-22	GEM MOBILE TREATMENT SERVICES, INC.	1,830.84	IRWD Check	Reconciled
428969	14-Jul-22	GRAINGER	1,841.69	IRWD Check	Reconciled
428970	14-Jul-22	GSRP ST SOLAR I LLC	15,743.95	IRWD Check	Reconciled
428971	14-Jul-22	HACH COMPANY	5,514.61	IRWD Check	Reconciled
428972	14-Jul-22	HAMILTON, KURT	1,965.94	IRWD Check	Negotiable
428973	14-Jul-22	HANSON BRIDGETT LLP	56,030.85	IRWD Check	Reconciled
428974	14-Jul-22	HARRINGTON INDUSTRIAL PLASTICS LLC	9,141.42	IRWD Check	Reconciled
428975	14-Jul-22	HDR ENGINEERING INC	182,146.57	IRWD Check	Reconciled
428976	14-Jul-22	HI-LINE INC	96.02	IRWD Check	Reconciled
428977	14-Jul-22	HILL BROTHERS CHEMICAL COMPANY	15,874.60	IRWD Check	Reconciled
428978	14-Jul-22	HOME DEPOT USA INC	140.14	IRWD Check	Reconciled
428979	14-Jul-22	HOWDEN USA COMPANY	1,253.13	IRWD Check	Reconciled
428980	14-Jul-22	HSU, PING HUA	157.52	IRWD Check	Negotiable
428981	14-Jul-22	HUNTLEY, WENDY	20.00	IRWD Check	Reconciled
428982	14-Jul-22	ILAND INTERNET SOLUTION CORPORATION	4,410.00	IRWD Check	Reconciled
428983	14-Jul-22	INTEGRITY MUNICIPAL SERVICES LLC	2,575.00	IRWD Check	Reconciled
428984	14-Jul-22	IRON MOUNTAIN INFORMATION MANAGEMENT INC	676.61	IRWD Check	Reconciled
428985	14-Jul-22	IRVINE PACIFIC	174.29	IRWD Check	Reconciled
428986	14-Jul-22	JOHN TROJANOWSKI	27,047.66	IRWD Check	Reconciled
428987	14-Jul-22	JOHNSON-FRANK & ASSOCIATES, INC.	400.00	IRWD Check	Reconciled
428988	14-Jul-22	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES	1,250.00	IRWD Check	Reconciled
428989	14-Jul-22	KIM, BONG	110.24	IRWD Check	Negotiable
428990	14-Jul-22	LABWORKS, LLC	2,750.00	IRWD Check	Reconciled
428991	14-Jul-22	LANDCARE HOLDINGS, INC.	24,692.16	IRWD Check	Reconciled
428992	14-Jul-22	LAW OFFICE OF ATOOSA VAKILI	82.04	IRWD Check	Reconciled
428993	14-Jul-22	LENNAR HOMES OF CALIFORNIA, INC.	726.81	IRWD Check	Reconciled
428994	14-Jul-22	LINN, KATHERINE	246.27	IRWD Check	Reconciled
428995	14-Jul-22	LS-OC PORTOLA, LLC	1,493.77	IRWD Check	Negotiable
428996	14-Jul-22	MADDOX ELECTRIC INC.	3,550.00	IRWD Check	Reconciled
428997	14-Jul-22	MANSFIELD, DAVID	31.36	IRWD Check	Reconciled
428998	14-Jul-22	MAP COMMUNICATIONS, INC.	975.00	IRWD Check	Reconciled
428999	14-Jul-22	MC MASTER CARR SUPPLY CO	2,418.01	IRWD Check	Reconciled
429000	14-Jul-22	MCCARTHY, JULIA	39.88	IRWD Check	Negotiable
429001	14-Jul-22	MCKINNON, DEBORAH	55.81	IRWD Check	Negotiable
429002	14-Jul-22	MEHR, SHAHROKH	37.39	IRWD Check	Negotiable
429003	14-Jul-22	MERRIMAC PETROLEUM, INC.	38,384.69	IRWD Check	Reconciled
429004	14-Jul-22	MICROSOFT CORPORATION	24.00	IRWD Check	Reconciled
429005	14-Jul-22	MILES CHEMICAL COMPANY, INC.	3,809.70	IRWD Check	Reconciled
429006	14-Jul-22	MOODY'S INVESTORS SERVICE INC	5,000.00	IRWD Check	Reconciled
429007	14-Jul-22	MRO ELECTRIC & SUPPLY CO.	1,795.00	IRWD Check	Reconciled
429008	14-Jul-22	MUTUAL PROPANE	27.00	IRWD Check	Reconciled
429009	14-Jul-22	NORTHWOOD PLACE APTS	1,986.60	IRWD Check	Reconciled
429010	14-Jul-22	O'REILLY AUTO ENTERPRISES, LLC	61.08	IRWD Check	Reconciled
429011	14-Jul-22	O.C. SUPERIOR CUSTOM CLEANING	3,600.00	IRWD Check	Reconciled
429012	14-Jul-22	OLIN CORPORATION	31,276.16	IRWD Check	Reconciled
429013	14-Jul-22	ORANGE COUNTY AUTO PARTS CO	336.20	IRWD Check	Reconciled
429014	14-Jul-22	ORANGE COUNTY SANITATION DISTRICT	159,678.68	IRWD Check	Negotiable
429015	14-Jul-22	PACIFIC AUTO WASH PARTNERS	221.98	IRWD Check	Reconciled
429016	14-Jul-22	PACIFIC COAST BOLT CORP	830.97	IRWD Check	Reconciled
429017	14-Jul-22	PACIFIC HYDROTECH CORPORATION	448,847.64	IRWD Check	Reconciled
429018	14-Jul-22	PARK, MAR VIN	459.46	IRWD Check	Reconciled
429019	14-Jul-22	PARKHOUSE TIRE INC	1,566.81	IRWD Check	Negotiable
429020	14-Jul-22	PENN ARCHIVE SERVICES	80.27	IRWD Check	Reconciled
429021	14-Jul-22	PFM FINANCIAL ADVISORS, LLC	650.00	IRWD Check	Reconciled
429022	14-Jul-22	PORTOLA SPRINGS APARTMENTS LLC	181.81	IRWD Check	Reconciled
429023	14-Jul-22	PRIME CONTROLS COMPANY INC	13,672.02	IRWD Check	Reconciled
429024	14-Jul-22	PUBLIC RISK, INNOVATION, SOLUTIONS, AND MANAGEMENT	2,085,500.00	IRWD Check	Reconciled
429025	14-Jul-22	PUMPING SOLUTIONS, INC	5,136.40	IRWD Check	Reconciled
429026	14-Jul-22	QUINCY COMPRESSOR LLC	175.79	IRWD Check	Reconciled
429027	14-Jul-22	RAM AIR ENGINEERING INC	2,686.45	IRWD Check	Reconciled
429028	14-Jul-22	RANCHO ALISAL APTS	134.20	IRWD Check	Reconciled
429029	14-Jul-22	RANCHO MADERAS APTS	129.75	IRWD Check	Reconciled
429030	14-Jul-22	RANCHO TIERRA APTS	89.78	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JUL 2022**

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
429031	14-Jul-22	RED WING SHOE STORE	200.00	IRWD Check	Reconciled
429032	14-Jul-22	REFRIGERATION SUPPLIES DISTRIBUTOR	726.65	IRWD Check	Reconciled
429033	14-Jul-22	RENTOKIL NORTH AMERICA, INC	719.10	IRWD Check	Reconciled
429034	14-Jul-22	RODNEY HARMSWORTH ASSOCIATES, INC.	7,763.00	IRWD Check	Reconciled
429035	14-Jul-22	S & J SUPPLY CO INC	57,478.21	IRWD Check	Reconciled
429036	14-Jul-22	SANTA MARGARITA FORD	62.88	IRWD Check	Reconciled
429037	14-Jul-22	SCHINDLER ELEVATOR CORPORATION	586.66	IRWD Check	Reconciled
429038	14-Jul-22	SECURITAS SECURITY SERVICES USA, INC.	71,990.34	IRWD Check	Reconciled
429039	14-Jul-22	SERVERSUPPLY.COM INC	1,119.31	IRWD Check	Reconciled
429040	14-Jul-22	SHAHRIARI, SHAMSAZAM	208.34	IRWD Check	Negotiable
429041	14-Jul-22	SHAMROCK SUPPLY CO INC	2,721.51	IRWD Check	Reconciled
429042	14-Jul-22	SI TESTING	3,475.00	IRWD Check	Negotiable
429043	14-Jul-22	SIGMA-ALDRICH INC	605.91	IRWD Check	Reconciled
429044	14-Jul-22	SNYDER LANGSTON L.P.	881.65	IRWD Check	Reconciled
429045	14-Jul-22	SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	4,902.90	IRWD Check	Reconciled
429046	14-Jul-22	SOUTH COAST WATER DISTRICT	977.75	IRWD Check	Reconciled
429047	14-Jul-22	SOUTH ORANGE COUNTY WASTEWATER AUTHORITY	52,935.00	IRWD Check	Reconciled
429048	14-Jul-22	SOUTHERN CALIFORNIA EDISON COMPANY	13,219.93	IRWD Check	Reconciled
429049	14-Jul-22	SOUTHERN CALIFORNIA EDISON COMPANY	839,431.90	IRWD Check	Reconciled
429050	14-Jul-22	SOUTHERN CALIFORNIA GAS COMPANY	108.71	IRWD Check	Reconciled
429051	14-Jul-22	SOUTHERN COUNTIES LUBRICANTS LLC	1,616.25	IRWD Check	Reconciled
429052	14-Jul-22	SOUTHWEST VALVE & EQUIPMENT INC	2,258.88	IRWD Check	Reconciled
429053	14-Jul-22	STANTEC ARCHITECTURE INC	34,801.00	IRWD Check	Reconciled
429054	14-Jul-22	STEPANYAN, HYAK	123.63	IRWD Check	Reconciled
429055	14-Jul-22	STICE COMPANY, INC.	3,659.84	IRWD Check	Reconciled
429056	14-Jul-22	SUEZ TREATMENT SOLUTIONS INC.	8,735.09	IRWD Check	Reconciled
429057	14-Jul-22	SWAINS ELECTRIC MOTOR SERVICE	34,396.69	IRWD Check	Negotiable
429058	14-Jul-22	SYNAGRO-WWT, INC.	112,232.65	IRWD Check	Reconciled
429059	14-Jul-22	TAYLOR MORRISON OF CALIFORNIA, LLC	528.24	IRWD Check	Negotiable
429060	14-Jul-22	TETRA TECH, INC	24,780.10	IRWD Check	Reconciled
429061	14-Jul-22	THE PARKLANDS	71.51	IRWD Check	Reconciled
429062	14-Jul-22	THERMO ELECTRON NORTH AMERICA LLC	20,066.00	IRWD Check	Reconciled
429063	14-Jul-22	TIC-RETAIL PROPERTIES	1,062.07	IRWD Check	Reconciled
429064	14-Jul-22	TIERRA VERDE INDUSTRIES	111.53	IRWD Check	Reconciled
429065	14-Jul-22	TOTAL RESOURCE MANAGEMENT, INC	765.00	IRWD Check	Reconciled
429066	14-Jul-22	TRAFFIC MANAGEMENT, INC	7,026.00	IRWD Check	Reconciled
429067	14-Jul-22	U.S. VENTURE, INC	203.39	IRWD Check	Reconciled
429068	14-Jul-22	ULINE INC	382.86	IRWD Check	Reconciled
429069	14-Jul-22	UNITED PARCEL SERVICE INC	300.62	IRWD Check	Reconciled
429070	14-Jul-22	US BANK NAT'L ASSOC N.DAKOTA	8,726.02	IRWD Check	Reconciled
429071	14-Jul-22	VERIZON WIRELESS SERVICES LLC	8,285.45	IRWD Check	Reconciled
429072	14-Jul-22	VISTA PAINT CORPORATION	1,007.25	IRWD Check	Reconciled
429073	14-Jul-22	VULCAN MATERIALS COMPANY	2,159.73	IRWD Check	Reconciled
429074	14-Jul-22	VWR INTERNATIONAL, LLC	2,620.02	IRWD Check	Reconciled
429075	14-Jul-22	WALTERS WHOLESALE ELECTRIC	34,304.42	IRWD Check	Reconciled
429076	14-Jul-22	WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.	4,772.26	IRWD Check	Reconciled
429077	14-Jul-22	WAXIE'S ENTERPRISES, INC	1,479.71	IRWD Check	Reconciled
429078	14-Jul-22	WESSLER, DAVE	311.11	IRWD Check	Reconciled
429079	14-Jul-22	WHITTER, GREG	38.76	IRWD Check	Reconciled
429080	14-Jul-22	XYLEM WATER SOLUTIONS USA, INC.	128,326.27	IRWD Check	Reconciled
429081	14-Jul-22	YONGGANG, XIA	34.67	IRWD Check	Negotiable
429082	14-Jul-22	YSI, INC	3,205.56	IRWD Check	Reconciled
429083	15-Jul-22	JCI JONES CHEMICALS INC	3,323.50	IRWD Check	Reconciled
429084	15-Jul-22	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	3,545.48	IRWD Check	Reconciled
429085	15-Jul-22	FRANCHISE TAX BOARD	550.00	IRWD Check	Negotiable
429086	15-Jul-22	PERS LONG TERM CARE	612.63	IRWD Check	Reconciled
429087	18-Jul-22	IRWD-PETTY CASH CUSTODIAN	1,530.95	IRWD Check	Reconciled
429088	21-Jul-22	Banares, Kenneth	522.44	IRWD Check	Reconciled
429089	21-Jul-22	Mendoza, Oliver	200.00	IRWD Check	Reconciled
429090	21-Jul-22	Mori, Richard K (Rich)	15.63	IRWD Check	Reconciled
429091	21-Jul-22	Mroczek, Michael	333.60	IRWD Check	Reconciled
429092	21-Jul-22	Nguyen, Claire	125.00	IRWD Check	Reconciled
429093	21-Jul-22	Noguera, Ricardo II	150.00	IRWD Check	Negotiable
429094	21-Jul-22	AAF INTERNATIONAL	1,284.25	IRWD Check	Reconciled
429095	21-Jul-22	AECOM TECHNICAL SERVICES, INC.	62,452.50	IRWD Check	Reconciled
429096	21-Jul-22	AGILENT TECHNOLOGIES, INC.	341.94	IRWD Check	Reconciled
429097	21-Jul-22	AIRGAS, INC.	1,665.39	IRWD Check	Reconciled
429098	21-Jul-22	ALEXANDER'S CONTRACT SERVICES, INC.	129,862.77	IRWD Check	Reconciled
429099	21-Jul-22	ALL STAR GLASS	692.61	IRWD Check	Reconciled
429100	21-Jul-22	ALMOND, MIYA	28.81	IRWD Check	Reconciled
429101	21-Jul-22	AMAZON CAPITAL SERVICES, INC.	735.23	IRWD Check	Reconciled
429102	21-Jul-22	ANDRITZ SEPARATION, INC.	2,503.88	IRWD Check	Reconciled
429103	21-Jul-22	ASSOCIATION OF CALIFORNIA WATER AGENCIES	500.00	IRWD Check	Reconciled
429104	21-Jul-22	AT&T	178.46	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JUL 2022**

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
429105	21-Jul-22	AT&T	4,591.27	IRWD Check	Reconciled
429106	21-Jul-22	AT&T	121.83	IRWD Check	Reconciled
429107	21-Jul-22	AUTOZONE PARTS, INC.	141.03	IRWD Check	Reconciled
429108	21-Jul-22	AZTEC TECHNOLOGY CORPORATION	969.76	IRWD Check	Reconciled
429109	21-Jul-22	BAVCO BACKFLOW APPARATUS & VALVE COMPANY	1,605.93	IRWD Check	Negotiable
429110	21-Jul-22	BEE EMERGENCY RESPONSE TEAM	350.00	IRWD Check	Reconciled
429111	21-Jul-22	BEN-AD, YAIR	425.07	IRWD Check	Reconciled
429112	21-Jul-22	BHL INDUSTRIES, INC.	1,578.29	IRWD Check	Reconciled
429113	21-Jul-22	BIOTAGE LLC	3,966.00	IRWD Check	Reconciled
429114	21-Jul-22	BLOOMBERG FINANCE LP	13,605.00	IRWD Check	Reconciled
429115	21-Jul-22	BORCHARD SURVEYING & MAPPING, INC.	3,115.00	IRWD Check	Reconciled
429116	21-Jul-22	BURNHAM BENEFITS INSURANCE SERVICES, LLC	5,833.33	IRWD Check	Reconciled
429117	21-Jul-22	CALIFORNIA BARRICADE RENTAL, INC.	4,998.50	IRWD Check	Reconciled
429118	21-Jul-22	CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	2,850.00	IRWD Check	Reconciled
429119	21-Jul-22	CANON FINANCIAL SERVICES, INC	8,332.75	IRWD Check	Reconciled
429120	21-Jul-22	CAROLLO ENGINEERS, INC	108,546.16	IRWD Check	Reconciled
429121	21-Jul-22	CDW GOVERNMENT LLC	5,790.07	IRWD Check	Negotiable
429122	21-Jul-22	CITY OF NEWPORT BEACH	2,226.83	IRWD Check	Negotiable
429123	21-Jul-22	COASTAL OCCUPATIONAL MEDICAL GROUP, INC.	593.15	IRWD Check	Negotiable
429124	21-Jul-22	CONSOLIDATED CONTRACTING SERVICES INC	1,536.33	IRWD Check	Reconciled
429125	21-Jul-22	CONSTELLATION NEWENERGY, INC.	835.13	IRWD Check	Reconciled
429126	21-Jul-22	COXCO LLC	11,490.00	IRWD Check	Negotiable
429127	21-Jul-22	CPC SYSTEMS, INC.	1,443.00	IRWD Check	Reconciled
429128	21-Jul-22	DARABI, ZOHREH	794.48	IRWD Check	Reconciled
429129	21-Jul-22	DCS MANAGEMENT LLC	319.55	IRWD Check	Reconciled
429130	21-Jul-22	DDB UNLIMITED, INC	324.56	IRWD Check	Reconciled
429131	21-Jul-22	DELL MARKETING LP	1,212.19	IRWD Check	Reconciled
429132	21-Jul-22	DILYTICS INC	8,850.00	IRWD Check	Reconciled
429133	21-Jul-22	DIRECTV INC	146.99	IRWD Check	Reconciled
429134	21-Jul-22	DRAKE TRAFFIC CONTROL SERVICES INC	35,110.00	IRWD Check	Reconciled
429135	21-Jul-22	DUNN, MIKE	17.28	IRWD Check	Negotiable
429136	21-Jul-22	E&M ELECTRIC AND MACHINERY, INC.	8,353.00	IRWD Check	Reconciled
429137	21-Jul-22	EHS INTERNATIONAL, INC	1,045.00	IRWD Check	Reconciled
429138	21-Jul-22	ELEMENT PARENT, INC.	1,039.73	IRWD Check	Reconciled
429139	21-Jul-22	ENVIRONMENTAL EXPRESS INC	906.80	IRWD Check	Reconciled
429140	21-Jul-22	ENVIRONMENTAL RESOURCE ASSOCIATES	1,911.28	IRWD Check	Reconciled
429141	21-Jul-22	EUROFINS ENVIRONMENT TESTING AMERICA HOLDINGS, INC.	3,165.75	IRWD Check	Reconciled
429142	21-Jul-22	FARRELL & ASSOCIATES	1,156.81	IRWD Check	Reconciled
429143	21-Jul-22	FIRERESQ, INCORPORATED	321.85	IRWD Check	Reconciled
429144	21-Jul-22	FISHER SCIENTIFIC COMPANY LLC	1,235.11	IRWD Check	Reconciled
429145	21-Jul-22	FLW, INC.	634.05	IRWD Check	Reconciled
429146	21-Jul-22	FRONTIER CALIFORNIA INC.	516.80	IRWD Check	Reconciled
429147	21-Jul-22	GEOSYNTEC CONSULTANTS, INC.	11,090.25	IRWD Check	Reconciled
429148	21-Jul-22	GOLDMAN, SACHS & CO. LLC	12,465.75	IRWD Check	Reconciled
429149	21-Jul-22	GRAINGER	1,884.46	IRWD Check	Reconciled
429150	21-Jul-22	GRAYBAR ELECTRIC COMPANY	446.87	IRWD Check	Reconciled
429151	21-Jul-22	HAAKER EQUIPMENT COMPANY	1,635.96	IRWD Check	Reconciled
429152	21-Jul-22	HACH COMPANY	1,391.13	IRWD Check	Reconciled
429153	21-Jul-22	HARRINGTON INDUSTRIAL PLASTICS LLC	3,522.77	IRWD Check	Reconciled
429154	21-Jul-22	HARRINGTON INDUSTRIAL PLASTICS LLC	1,405.72	IRWD Check	Negotiable
429155	21-Jul-22	HDR ENGINEERING INC	8,620.00	IRWD Check	Reconciled
429156	21-Jul-22	HI-LINE INC	510.91	IRWD Check	Reconciled
429157	21-Jul-22	HOGAN, GREG	25.00	IRWD Check	Negotiable
429158	21-Jul-22	HOME DEPOT USA INC	154.61	IRWD Check	Negotiable
429159	21-Jul-22	IBM CORPORATION	125,347.11	IRWD Check	Reconciled
429160	21-Jul-22	INFOSEND, INC.	34,343.96	IRWD Check	Reconciled
429161	21-Jul-22	IRVINE PACIFIC	29.69	IRWD Check	Negotiable
429162	21-Jul-22	IRVINE PIPE & SUPPLY INC	3,738.83	IRWD Check	Reconciled
429163	21-Jul-22	JAMBOREE SMOG	68.00	IRWD Check	Negotiable
429164	21-Jul-22	JIG CONSULTANTS	2,467.50	IRWD Check	Reconciled
429165	21-Jul-22	JOHNSON-FRANK & ASSOCIATES, INC.	10,100.00	IRWD Check	Negotiable
429166	21-Jul-22	JOSHI, RAJESH	34.71	IRWD Check	Negotiable
429167	21-Jul-22	JU, MAN	25.55	IRWD Check	Reconciled
429168	21-Jul-22	JUST ENERGY SOLUTIONS INC.	182.86	IRWD Check	Reconciled
429169	21-Jul-22	KARKI, PRATISHE	88.37	IRWD Check	Negotiable
429170	21-Jul-22	KIM, TIFFANY	61.75	IRWD Check	Reconciled
429171	21-Jul-22	LANDCARE HOLDINGS, INC.	3,122.00	IRWD Check	Reconciled
429172	21-Jul-22	LEE & RO, INC.	8,070.12	IRWD Check	Reconciled
429173	21-Jul-22	LEE, CHIAHO	33.83	IRWD Check	Negotiable
429174	21-Jul-22	LESSMAN, STEVEN J	413.55	IRWD Check	Reconciled
429175	21-Jul-22	LI, JUAN	5,087.39	IRWD Check	Reconciled
429176	21-Jul-22	LI, SHA	1,620.99	IRWD Check	Negotiable
429177	21-Jul-22	LILLESTRAND LEADERSHIP CONSULTING, INC.	440.00	IRWD Check	Negotiable
429178	21-Jul-22	LINDE GAS & EQUIPMENT INC.	1,667.45	IRWD Check	Reconciled

**IRVINE RANCH WATER DISTRICT
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CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
429179	21-Jul-22	LSA ASSOCIATES INC	9,457.98	IRWD Check	Reconciled
429180	21-Jul-22	MC FADDEN-DALE INDUSTRIAL	890.01	IRWD Check	Reconciled
429181	21-Jul-22	MICROSOFT CORPORATION	525.86	IRWD Check	Reconciled
429182	21-Jul-22	MR CRANE INC	1,732.50	IRWD Check	Reconciled
429183	21-Jul-22	MSC INDUSTRIAL SUPPLY CO	358.12	IRWD Check	Reconciled
429184	21-Jul-22	MUTUAL PROPANE	36.00	IRWD Check	Reconciled
429185	21-Jul-22	NALCO COMPANY LLC	346.14	IRWD Check	Reconciled
429186	21-Jul-22	NORTHWOOD PLACE APTS	136.39	IRWD Check	Negotiable
429187	21-Jul-22	NOV PROCESS & FLOW TECHNOLOGIES US, INC.	425.72	IRWD Check	Reconciled
429188	21-Jul-22	O'REILLY AUTO ENTERPRISES, LLC	49.54	IRWD Check	Reconciled
429189	21-Jul-22	O.C. SUPERIOR CUSTOM CLEANING	712.00	IRWD Check	Reconciled
429190	21-Jul-22	OLIN CORPORATION	31,809.22	IRWD Check	Reconciled
429191	21-Jul-22	ORACLE AMERICA, INC.	3,557.57	IRWD Check	Reconciled
429192	21-Jul-22	ORANGE COUNTY AUTO PARTS CO	1,913.34	IRWD Check	Reconciled
429193	21-Jul-22	ORIGIN CONSULTING LLC	1,255.00	IRWD Check	Reconciled
429194	21-Jul-22	PACIFIC COMMERCE CENTRE O A	17,275.36	IRWD Check	Negotiable
429195	21-Jul-22	PARKHOUSE TIRE INC	743.35	IRWD Check	Reconciled
429196	21-Jul-22	PARTNERS IN CONTROL, INC.	7,413.80	IRWD Check	Reconciled
429197	21-Jul-22	PATIL, ABHAY	46.37	IRWD Check	Negotiable
429198	21-Jul-22	PAVEMENT COATINGS CO.	1,729.86	IRWD Check	Negotiable
429199	21-Jul-22	PELLETIER & ASSOCIATES, INC.	1,140.00	IRWD Check	Reconciled
429200	21-Jul-22	PINNACLE TOWERS LLC	842.76	IRWD Check	Reconciled
429201	21-Jul-22	PIPELINE PRODUCTS, INC.	1,633.15	IRWD Check	Reconciled
429202	21-Jul-22	POLYDYNE INC	123,097.91	IRWD Check	Reconciled
429203	21-Jul-22	PROJECT PARTNERS LLC	12,975.00	IRWD Check	Negotiable
429204	21-Jul-22	PSOMAS	17,124.41	IRWD Check	Reconciled
429205	21-Jul-22	PUBLIC RISK, INNOVATION, SOLUTIONS, AND MANAGEMENT	139,333.00	IRWD Check	Reconciled
429206	21-Jul-22	PUMPING SOLUTIONS, INC	769.27	IRWD Check	Reconciled
429207	21-Jul-22	R&B AUTOMATION, INC.	3,018.25	IRWD Check	Reconciled
429208	21-Jul-22	RAM AIR ENGINEERING INC	5,566.69	IRWD Check	Reconciled
429209	21-Jul-22	RENTOKIL NORTH AMERICA, INC	100.00	IRWD Check	Reconciled
429210	21-Jul-22	RENTOKIL NORTH AMERICA, INC	1,066.00	IRWD Check	Reconciled
429211	21-Jul-22	RINCON, DEBBIE	42.50	IRWD Check	Negotiable
429212	21-Jul-22	S & J SUPPLY CO INC	35,940.40	IRWD Check	Reconciled
429213	21-Jul-22	SANTA MARGARITA FORD	633.58	IRWD Check	Reconciled
429214	21-Jul-22	SBH	25.00	IRWD Check	Reconciled
429215	21-Jul-22	SEEQ CORPORATION	7,600.00	IRWD Check	Negotiable
429216	21-Jul-22	SHAMROCK SUPPLY CO INC	398.38	IRWD Check	Reconciled
429217	21-Jul-22	SHOETERIA	117.43	IRWD Check	Reconciled
429218	21-Jul-22	SMITH SYSTEM DRIVER IMPROVEMENT INSTITUTE, INC.	1,529.89	IRWD Check	Reconciled
429219	21-Jul-22	SOUTHERN CALIFORNIA EDISON COMPANY	70,929.05	IRWD Check	Reconciled
429220	21-Jul-22	SOUTHERN CALIFORNIA EDISON COMPANY	30.63	IRWD Check	Reconciled
429221	21-Jul-22	SOUTHERN CALIFORNIA GAS COMPANY	8,803.24	IRWD Check	Reconciled
429222	21-Jul-22	SPARKLETTES	355.29	IRWD Check	Reconciled
429223	21-Jul-22	SS MECHANICAL CONSTRUCTION CORP	14,170.00	IRWD Check	Reconciled
429224	21-Jul-22	STANTEC CONSULTING SERVICES INC.	9,090.98	IRWD Check	Reconciled
429225	21-Jul-22	STRADLING YOCOA CARLSON & RAUTH	812.00	IRWD Check	Reconciled
429226	21-Jul-22	TAYLOR MORRISON OF CALIFORNIA, LLC	53.00	IRWD Check	Negotiable
429227	21-Jul-22	THE PLAZA IRVINE OWNERS ASSN	38,008.80	IRWD Check	Negotiable
429228	21-Jul-22	THE R.J NOBEL COMPANY	1,014.86	IRWD Check	Reconciled
429229	21-Jul-22	THOMPSON & PHIPPS INC	16,919.39	IRWD Check	Reconciled
429230	21-Jul-22	TIC-OFFICE PROPERTIES	1,218.34	IRWD Check	Reconciled
429231	21-Jul-22	TK ELEVATOR CORPORATION	56,029.29	IRWD Check	Reconciled
429232	21-Jul-22	TRAFFIC MANAGEMENT, INC	2,363.50	IRWD Check	Reconciled
429233	21-Jul-22	TRENCH SHORING COMPANY	82,700.28	IRWD Check	Reconciled
429234	21-Jul-22	TRI COUNTY PUMP COMPANY	13,410.00	IRWD Check	Reconciled
429235	21-Jul-22	TRIMBLE INC	1,200.00	IRWD Check	Reconciled
429236	21-Jul-22	TURKICH, NORA	46.32	IRWD Check	Negotiable
429237	21-Jul-22	UNITED PARCEL SERVICE INC	169.37	IRWD Check	Reconciled
429238	21-Jul-22	UNITED PARCEL SERVICE INC	57.64	IRWD Check	Reconciled
429239	21-Jul-22	UNITED SITE SERVICES OF CALIFORNIA INC	794.70	IRWD Check	Reconciled
429240	21-Jul-22	USA BLUEBOOK	407.31	IRWD Check	Reconciled
429241	21-Jul-22	USA WASTE OF CALIFORNIA, INC.	562.50	IRWD Check	Reconciled
429242	21-Jul-22	VULCAN INDUSTRIES INC	853.52	IRWD Check	Reconciled
429243	21-Jul-22	VULCAN MATERIALS COMPANY	2,172.66	IRWD Check	Reconciled
429244	21-Jul-22	VWR INTERNATIONAL, LLC	2,898.37	IRWD Check	Reconciled
429245	21-Jul-22	WECK LABORATORIES INC	4,460.00	IRWD Check	Reconciled
429246	21-Jul-22	WEST COAST SAFETY SUPPLY INC	868.68	IRWD Check	Reconciled
429247	21-Jul-22	WIRELESS WATCHDOGS, LLC	2,552.00	IRWD Check	Reconciled
429248	21-Jul-22	WOODBIDGE MEDICAL CENTER	26.88	IRWD Check	Reconciled
429249	21-Jul-22	ZIMA CORPORATION	1,731.27	IRWD Check	Reconciled
429251	21-Jul-22	ATHENS SERVICES	14,852.68	IRWD Check	Reconciled
429252	21-Jul-22	RELIAANCE STANDARD LIFE INSURANCE COMPANY	35,930.77	IRWD Check	Reconciled
429253	21-Jul-22	JCI JONES CHEMICALS INC	2,454.59	IRWD Check	Reconciled

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CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
429254	25-Jul-22	CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	696.00	IRWD Check	Reconciled
429255	26-Jul-22	IRWD-PETTY CASH CUSTODIAN	1,591.07	IRWD Check	Reconciled
429256	28-Jul-22	Shih, Han-Tsuei (Josephine)	1,034.86	IRWD Check	Negotiable
429257	28-Jul-22	Stontz, Adam J	62.25	IRWD Check	Negotiable
429258	28-Jul-22	ABM INDUSTRY GROUPS, LLC	24,516.09	IRWD Check	Negotiable
429259	28-Jul-22	ABSOLUTE STANDARDS, INC.	70.00	IRWD Check	Negotiable
429260	28-Jul-22	ACCUSTANDARD INC	412.89	IRWD Check	Negotiable
429261	28-Jul-22	AECOM TECHNICAL SERVICES, INC.	7,737.21	IRWD Check	Negotiable
429262	28-Jul-22	AGILENT TECHNOLOGIES, INC.	1,065.47	IRWD Check	Negotiable
429263	28-Jul-22	AIR TECHNOLOGY LABORATORIES	289.00	IRWD Check	Negotiable
429264	28-Jul-22	AIRGAS, INC.	2,297.84	IRWD Check	Negotiable
429265	28-Jul-22	ALLIANCE RESOURCE CONSULTING LLC	6,625.00	IRWD Check	Negotiable
429266	28-Jul-22	ALLIED ELECTRONICS INC	323.03	IRWD Check	Negotiable
429267	28-Jul-22	AMAZON CAPITAL SERVICES, INC.	2,575.32	IRWD Check	Negotiable
429268	28-Jul-22	ANTHEM BLUE CROSS	306.93	IRWD Check	Negotiable
429269	28-Jul-22	ARAG NORTH AMERICA, INC.	385.50	IRWD Check	Negotiable
429270	28-Jul-22	AT&T	6,957.42	IRWD Check	Negotiable
429271	28-Jul-22	AUTOZONE PARTS, INC.	933.54	IRWD Check	Negotiable
429272	28-Jul-22	AVIAT U.S., INC	4,734.00	IRWD Check	Negotiable
429273	28-Jul-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	1,171.30	IRWD Check	Negotiable
429274	28-Jul-22	BEST DRILLING AND PUMP, INC.	72,650.18	IRWD Check	Negotiable
429275	28-Jul-22	BRIAN HOMSY	5,041.80	IRWD Check	Negotiable
429276	28-Jul-22	CABCO YELLOW INC.	358.70	IRWD Check	Negotiable
429277	28-Jul-22	CALIFORNIA BARRICADE RENTAL, INC.	1,328.00	IRWD Check	Negotiable
429278	28-Jul-22	CALTROL, INC.	6,862.90	IRWD Check	Negotiable
429279	28-Jul-22	CANNON CORPORATION	1,596.96	IRWD Check	Negotiable
429280	28-Jul-22	CANON SOLUTIONS AMERICA, INC.	17.42	IRWD Check	Negotiable
429281	28-Jul-22	CENTROID SYSTEMS, INC.	15,947.50	IRWD Check	Negotiable
429282	28-Jul-22	CHEM TECH INTERNATIONAL INC	16,113.24	IRWD Check	Negotiable
429283	28-Jul-22	CHO DESIGN ASSOCIATES, INC	4,000.00	IRWD Check	Negotiable
429284	28-Jul-22	CITY OF IRVINE	4,704.82	IRWD Check	Negotiable
429285	28-Jul-22	COASTAL OCCUPATIONAL MEDICAL GROUP, INC.	1,755.00	IRWD Check	Negotiable
429286	28-Jul-22	CONSTELLATION NEWENERGY, INC.	12,901.97	IRWD Check	Negotiable
429287	28-Jul-22	CORELOGIC INC	65.49	IRWD Check	Negotiable
429288	28-Jul-22	COSTES, JENNIFER	12.57	IRWD Check	Negotiable
429289	28-Jul-22	COUNTY OF ORANGE	43,093.33	IRWD Check	Negotiable
429290	28-Jul-22	COX COMMUNICATIONS, INC.	3,463.57	IRWD Check	Negotiable
429291	28-Jul-22	COXCO LLC	25,637.93	IRWD Check	Negotiable
429292	28-Jul-22	CULLIGAN OF SANTA ANA	20,000.00	IRWD Check	Negotiable
429293	28-Jul-22	D & G SIGNS	1,848.99	IRWD Check	Negotiable
429294	28-Jul-22	DAGDIGIAN, JACQUELINE	18.82	IRWD Check	Negotiable
429295	28-Jul-22	DEALERS SERVICE COMPANY, INC	800.00	IRWD Check	Negotiable
429296	28-Jul-22	DELL MARKETING LP	433.40	IRWD Check	Negotiable
429297	28-Jul-22	DIRECTV INC	146.99	IRWD Check	Negotiable
429298	28-Jul-22	DRAKE TRAFFIC CONTROL SERVICES INC	5,287.50	IRWD Check	Negotiable
429299	28-Jul-22	DUDEK	3,517.50	IRWD Check	Negotiable
429300	28-Jul-22	ECO SERVICES LLC	6,653.34	IRWD Check	Negotiable
429301	28-Jul-22	EDWARDS, MICHAEL	60.53	IRWD Check	Negotiable
429302	28-Jul-22	EHS INTERNATIONAL, INC	2,240.00	IRWD Check	Negotiable
429303	28-Jul-22	ELITE AUTOMOTIVE SERVICE, LLC	233.84	IRWD Check	Negotiable
429304	28-Jul-22	ENVIRONMENTAL RESOURCE ASSOCIATES	593.93	IRWD Check	Negotiable
429305	28-Jul-22	ENVIRONMENTAL SCIENCE ASSOCIATES	690.85	IRWD Check	Negotiable
429306	28-Jul-22	EUROFINS ENVIRONMENT TESTING AMERICA HOLDINGS, INC.	488.25	IRWD Check	Negotiable
429307	28-Jul-22	FARRELL & ASSOCIATES	393.34	IRWD Check	Negotiable
429308	28-Jul-22	FEDEX	670.35	IRWD Check	Negotiable
429309	28-Jul-22	FEDEX NATIONAL LTL, INC	621.15	IRWD Check	Negotiable
429310	28-Jul-22	FEHR & PEERS	295.00	IRWD Check	Negotiable
429311	28-Jul-22	FERGUSON ENTERPRISES, LLC	16,176.99	IRWD Check	Negotiable
429312	28-Jul-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	199.45	IRWD Check	Negotiable
429313	28-Jul-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	85.52	IRWD Check	Negotiable
429314	28-Jul-22	FIRE EXTINGUISHING SAFETY & SERVICE	11,209.35	IRWD Check	Negotiable
429315	28-Jul-22	FIRERESQ, INCORPORATED	116.68	IRWD Check	Negotiable
429316	28-Jul-22	FIRKS, STEVEN B	6.73	IRWD Check	Negotiable
429317	28-Jul-22	FISHER SCIENTIFIC COMPANY LLC	1,028.09	IRWD Check	Negotiable
429318	28-Jul-22	FRONTIER CALIFORNIA INC.	108.11	IRWD Check	Negotiable
429319	28-Jul-22	FUSCOE ENGINEERING, INC.	1,667.00	IRWD Check	Negotiable
429320	28-Jul-22	GARY BALE REDI-MIX CONCRETE, INC.	1,170.60	IRWD Check	Negotiable
429321	28-Jul-22	GCI CONSTRUCTION, INC.	11,914.42	IRWD Check	Negotiable
429322	28-Jul-22	GEIGER BROS	415.92	IRWD Check	Negotiable
429323	28-Jul-22	GM SAGER CONSTRUCTION CO, INC.	79,305.00	IRWD Check	Negotiable
429324	28-Jul-22	GOFORTH & MARTI	742.07	IRWD Check	Negotiable
429325	28-Jul-22	GRAINGER	5,726.98	IRWD Check	Negotiable
429326	28-Jul-22	GREAT PARK NEIGHBORHOODS COMM ASSOC.	4,448.56	IRWD Check	Negotiable
429327	28-Jul-22	HACH COMPANY	22,592.38	IRWD Check	Negotiable

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JUL 2022**

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
429328	28-Jul-22	HARRINGTON INDUSTRIAL PLASTICS LLC	11,537.93	IRWD Check	Negotiable
429329	28-Jul-22	HDR ENGINEERING INC	3,717.40	IRWD Check	Negotiable
429330	28-Jul-22	HELPMATES STAFFING SERVICES LLC	28,480.26	IRWD Check	Negotiable
429331	28-Jul-22	HELPMATES STAFFING SERVICES LLC	3,291.84	IRWD Check	Negotiable
429332	28-Jul-22	HI-LINE INC	175.95	IRWD Check	Negotiable
429333	28-Jul-22	HILL BROTHERS CHEMICAL COMPANY	8,499.70	IRWD Check	Negotiable
429334	28-Jul-22	HUMANA INSURANCE COMPANY	75.30	IRWD Check	Negotiable
429335	28-Jul-22	IDEA HALL	61,812.00	IRWD Check	Negotiable
429336	28-Jul-22	IDEXX DISTRIBUTION, INC	18,428.04	IRWD Check	Negotiable
429337	28-Jul-22	INDUSTRIAL NETWORKING SOLUTIONS	2,347.75	IRWD Check	Negotiable
429338	28-Jul-22	IRVINE PIPE & SUPPLY INC	1,773.23	IRWD Check	Negotiable
429339	28-Jul-22	JAMBOREE SMOG	232.00	IRWD Check	Negotiable
429340	28-Jul-22	JIG CONSULTANTS	480.00	IRWD Check	Negotiable
429341	28-Jul-22	JOHN MICHAEL COVAS	216.90	IRWD Check	Negotiable
429342	28-Jul-22	KILL-N-BUGS TERMITE AND PEST CONTROL SERVICES	4,225.00	IRWD Check	Negotiable
429343	28-Jul-22	KIM-CONCOLINO, JOANNE	185.43	IRWD Check	Negotiable
429344	28-Jul-22	KRONICK MOSKOVITZ TIEDEMANN & GIRARD	4,690.43	IRWD Check	Negotiable
429345	28-Jul-22	LAGUNA BEACH COUNTY WATER DISTRICT	2,620.82	IRWD Check	Negotiable
429346	28-Jul-22	LANDCARE HOLDINGS, INC.	56,699.00	IRWD Check	Negotiable
429347	28-Jul-22	LIEBERT CASSIDY WHITMORE	1,534.50	IRWD Check	Negotiable
429348	28-Jul-22	LILLESTRAND LEADERSHIP CONSULTING, INC.	9,891.88	IRWD Check	Negotiable
429349	28-Jul-22	LINDE GAS & EQUIPMENT INC.	850.78	IRWD Check	Negotiable
429350	28-Jul-22	LOTUS FLOWER, INC.	11,000.00	IRWD Check	Negotiable
429351	28-Jul-22	LSA ASSOCIATES INC	232.50	IRWD Check	Negotiable
429352	28-Jul-22	M.CUBED	281.25	IRWD Check	Negotiable
429353	28-Jul-22	MARK THOMAS & COMPANY, INC.	3,459.88	IRWD Check	Negotiable
429354	28-Jul-22	MATHESON TRI GAS, INC	4,472.31	IRWD Check	Negotiable
429355	28-Jul-22	MC FADDEN-DALE INDUSTRIAL	62.39	IRWD Check	Negotiable
429356	28-Jul-22	MC MASTER CARR SUPPLY CO	2,680.22	IRWD Check	Negotiable
429357	28-Jul-22	MERRIMAC PETROLEUM, INC.	36,461.98	IRWD Check	Negotiable
429358	28-Jul-22	MILES CHEMICAL COMPANY, INC.	6,381.64	IRWD Check	Negotiable
429359	28-Jul-22	MRO ELECTRIC & SUPPLY CO.	1,589.00	IRWD Check	Negotiable
429360	28-Jul-22	NALCO COMPANY LLC	1,354.14	IRWD Check	Negotiable
429361	28-Jul-22	NOV PROCESS & FLOW TECHNOLOGIES US, INC.	46.76	IRWD Check	Negotiable
429362	28-Jul-22	O'REILLY AUTO ENTERPRISES, LLC	629.44	IRWD Check	Negotiable
429363	28-Jul-22	ODP BUSINESS SOLUTIONS, LLC	66.69	IRWD Check	Negotiable
429364	28-Jul-22	OGURA, MIEKO	20.19	IRWD Check	Negotiable
429365	28-Jul-22	OLIN CORPORATION	57,669.17	IRWD Check	Negotiable
429366	28-Jul-22	ONESOURCE DISTRIBUTORS LLC	2,547.99	IRWD Check	Negotiable
429367	28-Jul-22	ORANGE COUNTY AUTO PARTS CO	300.42	IRWD Check	Negotiable
429368	28-Jul-22	ORANGE COUNTY SANITATION DISTRICT	3,170.00	IRWD Check	Negotiable
429369	28-Jul-22	PACIFIC PARTS & CONTROLS INC	212.00	IRWD Check	Negotiable
429370	28-Jul-22	PARKHOUSE TIRE INC	2,568.31	IRWD Check	Negotiable
429371	28-Jul-22	PAYNE & FEARS LLP	3,175.00	IRWD Check	Negotiable
429372	28-Jul-22	PHILLIPS PLYWOOD CO, INC.	852.64	IRWD Check	Negotiable
429373	28-Jul-22	PROGRESSIVE WATER TREATMENT INC	25,690.76	IRWD Check	Negotiable
429374	28-Jul-22	PRUDENTIAL OVERALL SUPPLY	13,065.17	IRWD Check	Negotiable
429375	28-Jul-22	PSOMAS	24,347.50	IRWD Check	Negotiable
429376	28-Jul-22	PUBLIC RISK, INNOVATION, SOLUTIONS, AND MANAGEMENT	745,411.00	IRWD Check	Negotiable
429377	28-Jul-22	QUADIENT FINANCE USA, INC.	2,128.21	IRWD Check	Negotiable
429378	28-Jul-22	QUINCY COMPRESSOR LLC	93.46	IRWD Check	Negotiable
429379	28-Jul-22	QUINN COMPANY	27,688.49	IRWD Check	Negotiable
429380	28-Jul-22	RAM AIR ENGINEERING INC	4,750.00	IRWD Check	Negotiable
429381	28-Jul-22	REAL WATER CONSULTANTS INC.	8,769.00	IRWD Check	Negotiable
429382	28-Jul-22	REFRIGERATION SUPPLIES DISTRIBUTOR	1,082.08	IRWD Check	Negotiable
429383	28-Jul-22	RENTOKIL NORTH AMERICA, INC	3,000.00	IRWD Check	Negotiable
429384	28-Jul-22	RINCON TRUCK CENTER INC.	4,196.63	IRWD Check	Negotiable
429385	28-Jul-22	RKI INSTRUMENTS, INC.	531.68	IRWD Check	Negotiable
429386	28-Jul-22	RLG ENTERPRISES, INC	309.18	IRWD Check	Negotiable
429387	28-Jul-22	ROCKWELL SOLUTIONS, INC.	20,242.41	IRWD Check	Negotiable
429388	28-Jul-22	SCIENTIFIC REFRIGERATION	879.02	IRWD Check	Negotiable
429389	28-Jul-22	SHAMROCK SUPPLY CO INC	762.77	IRWD Check	Negotiable
429390	28-Jul-22	SHIMMICK CONSTRUCTION INC.	24,937.50	IRWD Check	Negotiable
429391	28-Jul-22	SMITH SYSTEM DRIVER IMPROVEMENT INSTITUTE, INC.	3,125.60	IRWD Check	Negotiable
429392	28-Jul-22	SOUTHERN CALIFORNIA EDISON COMPANY	319,632.90	IRWD Check	Negotiable
429393	28-Jul-22	SOUTHERN CALIFORNIA GAS COMPANY	33,666.75	IRWD Check	Negotiable
429394	28-Jul-22	SPARKLETTS	138.70	IRWD Check	Negotiable
429395	28-Jul-22	STERIS CORPORATION	5,928.65	IRWD Check	Negotiable
429396	28-Jul-22	STREAKWAVE WIRELESS, INC.	3,681.42	IRWD Check	Negotiable
429397	28-Jul-22	SUKLE ADVERTISING INC.	18,076.50	IRWD Check	Negotiable
429398	28-Jul-22	TED JONES FORD, INC.	68,111.06	IRWD Check	Negotiable
429399	28-Jul-22	TETRA TECH, INC	5,420.00	IRWD Check	Negotiable
429400	28-Jul-22	THOMPSON & PHIPPS INC	12,106.98	IRWD Check	Negotiable
429401	28-Jul-22	TIMOTHY W. HOGAN	1,585.23	IRWD Check	Negotiable

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JUL 2022**

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
429402	28-Jul-22	TOLL BROS., INC.	115,043.00	IRWD Check	Negotiable
429403	28-Jul-22	TOM'S TRUCK CENTER NORTH COUNTY, LLC	297.20	IRWD Check	Negotiable
429404	28-Jul-22	TRAFFIC MANAGEMENT, INC	5,142.00	IRWD Check	Negotiable
429405	28-Jul-22	TRENCH SHORING COMPANY	3,065.48	IRWD Check	Negotiable
429406	28-Jul-22	UCT, LLC	571.42	IRWD Check	Negotiable
429407	28-Jul-22	ULINE INC	723.93	IRWD Check	Negotiable
429408	28-Jul-22	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA	1,645.86	IRWD Check	Negotiable
429409	28-Jul-22	UNITED HEALTHCARE INSURANCE COMPANY	348.42	IRWD Check	Negotiable
429410	28-Jul-22	UNITED PARCEL SERVICE INC	58.16	IRWD Check	Negotiable
429411	28-Jul-22	UNITED WATER WORKS, INC.	25,357.41	IRWD Check	Negotiable
429412	28-Jul-22	US BANK NAT'L ASSOC N.DAKOTA	4,400.00	IRWD Check	Negotiable
429413	28-Jul-22	VAUGHAN'S INDUSTRIAL REPAIR CO INC	34,320.00	IRWD Check	Negotiable
429414	28-Jul-22	VEOLIA NORTH AMERICA, INC.	368.74	IRWD Check	Negotiable
429415	28-Jul-22	VERIZON WIRELESS SERVICES LLC	13,278.55	IRWD Check	Negotiable
429416	28-Jul-22	VWR INTERNATIONAL, LLC	1,700.33	IRWD Check	Negotiable
429417	28-Jul-22	WATER TREATMENT CHEMICALS INC	19,926.00	IRWD Check	Negotiable
429418	28-Jul-22	WATERLINE TECHNOLOGIES INC	8,196.72	IRWD Check	Negotiable
429419	28-Jul-22	WAXIE'S ENTERPRISES, INC	788.17	IRWD Check	Negotiable
429420	28-Jul-22	WECK LABORATORIES INC	180.00	IRWD Check	Negotiable
429421	28-Jul-22	WEST COAST SAND & GRAVEL INC.	2,688.12	IRWD Check	Negotiable
429422	28-Jul-22	WESTAMERICA COMMUNICATIONS, INC.	600.00	IRWD Check	Negotiable
429423	28-Jul-22	WOLTERS KLUWER LEGAL & REGULATORY US, A DIVISION OF CCH INCORPORATED	373.25	IRWD Check	Negotiable
429424	28-Jul-22	XIU MIN LIU AND XIAOLIN YU	472.81	IRWD Check	Negotiable
429425	29-Jul-22	APPLIED ENGINEERING CONCEPTS	6,150.00	IRWD Check	Negotiable
429426	29-Jul-22	FLUID SOUND, INC.	10,012.21	IRWD Check	Negotiable
429427	29-Jul-22	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	3,565.65	IRWD Check	Negotiable
429428	29-Jul-22	PERS LONG TERM CARE	612.63	IRWD Check	Negotiable
429429	29-Jul-22	FRANCHISE TAX BOARD	550.00	IRWD Check	Negotiable
429430	29-Jul-22	US BANK NAT'L ASSOCIATION NORTH DAKOTA	50,701.55	IRWD Check	Negotiable
SUB-TOTAL CHECK DISBURSEMENTS			10,840,068.37		
14996	11-Jul-22	CALPERS	21,601.20	IRWD Wire	Negotiable
14997	11-Jul-22	CHARD SNYDER & ASSOCIATES, INC.	1,996.88	IRWD Wire	Negotiable
14998	11-Jul-22	CHARD SNYDER & ASSOCIATES, INC.	19,783.11	IRWD Wire	Negotiable
14999	11-Jul-22	CALPERS	7,828,346.00	IRWD Wire	Negotiable
15000	15-Jul-22	CHARD SNYDER & ASSOCIATES, INC.	1,695.35	IRWD Wire	Negotiable
15001	15-Jul-22	CHARD SNYDER & ASSOCIATES, INC.	3,752.09	IRWD Wire	Negotiable
15002	15-Jul-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	51,277.40	IRWD Wire	Negotiable
15003	15-Jul-22	U.S. BANK NATIONAL ASSOCIATION	21,246.57	IRWD Wire	Negotiable
15004	15-Jul-22	BANK OF AMERICA	18,424.67	IRWD Wire	Negotiable
15005	15-Jul-22	U.S. BANK NATIONAL ASSOCIATION	57,767.27	IRWD Wire	Negotiable
15006	15-Jul-22	SUMITOMO MITSUI BANKING CORPORATION	35,495.30	IRWD Wire	Negotiable
15007	15-Jul-22	SUMITOMO MITSUI BANKING CORPORATION	2,001,171.51	IRWD Wire	Negotiable
15008	18-Jul-22	U.S. BANK NATIONAL ASSOCIATION	8,916.44	IRWD Wire	Negotiable
15009	18-Jul-22	SUMITOMO MITSUI BANKING CORPORATION	24,015.89	IRWD Wire	Negotiable
15010	18-Jul-22	YORK RISK SERVICES GROUP, INC.	2,019.45	IRWD Wire	Negotiable
15011	18-Jul-22	YORK RISK SERVICES GROUP, INC.	2,632.92	IRWD Wire	Negotiable
15012	19-Jul-22	INTERNAL REVENUE SERVICE	248,079.83	IRWD Wire	Negotiable
15013	19-Jul-22	FRANCHISE TAX BOARD	78,684.48	IRWD Wire	Negotiable
15014	19-Jul-22	EMPLOYMENT DEVELOPMENT DEPARTMENT	18,560.73	IRWD Wire	Negotiable
15015	19-Jul-22	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	3,325.92	IRWD Wire	Negotiable
15016	19-Jul-22	EMPOWER RETIREMENT, LLC	186,488.66	IRWD Wire	Negotiable
15017	19-Jul-22	EMPLOYMENT DEVELOPMENT DEPARTMENT	6,552.34	IRWD Wire	Negotiable
15018	19-Jul-22	CALPERS	262,286.65	IRWD Wire	Negotiable
15019	20-Jul-22	CALPERS	3,537.54	IRWD Wire	Negotiable
15020	20-Jul-22	CALPERS	581,751.27	IRWD Wire	Negotiable
15021	20-Jul-22	WELLS FARGO BANK, N.A.	6,066.32	IRWD Wire	Negotiable
15022	21-Jul-22	CHARD SNYDER & ASSOCIATES, INC.	1,482.65	IRWD Wire	Negotiable
15023	25-Jul-22	EMPOWER RETIREMENT, LLC	2,583.33	IRWD Wire	Negotiable
15024	25-Jul-22	EMPLOYMENT DEVELOPMENT DEPARTMENT	145.14	IRWD Wire	Negotiable
15025	25-Jul-22	FRANCHISE TAX BOARD	275.22	IRWD Wire	Negotiable
15026	25-Jul-22	INTERNAL REVENUE SERVICE	1,096.69	IRWD Wire	Negotiable
15027	25-Jul-22	CHARD SNYDER & ASSOCIATES, INC.	2,659.06	IRWD Wire	Negotiable
15028	25-Jul-22	CHARD SNYDER & ASSOCIATES, INC.	1,964.81	IRWD Wire	Negotiable
15029	25-Jul-22	BANK OF AMERICA	37,231.23	IRWD Wire	Negotiable
15030	25-Jul-22	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	3,333,064.16	IRWD Wire	Negotiable
15031	25-Jul-22	CALPERS	1,392.07	IRWD Wire	Negotiable
15032	25-Jul-22	YORK RISK SERVICES GROUP, INC.	576.52	IRWD Wire	Negotiable
15033	25-Jul-22	CHARD SNYDER & ASSOCIATES, INC.	6,455.38	IRWD Wire	Negotiable
15034	25-Jul-22	CHARD SNYDER & ASSOCIATES, INC.	2,403.24	IRWD Wire	Negotiable
15035	28-Jul-22	ROSEDALE - RIO BRAVO WATER STORAGE DISTRICT	1,994,588.50	IRWD Wire	Negotiable
15036	28-Jul-22	YORK RISK SERVICES GROUP, INC.	8,516.48	IRWD Wire	Negotiable
15037	28-Jul-22	PARK, MICHELLE	20.66	IRWD Wire	Negotiable
15038	29-Jul-22	INTERNAL REVENUE SERVICE	263,896.53	IRWD Wire	Negotiable
15039	29-Jul-22	FRANCHISE TAX BOARD	85,406.51	IRWD Wire	Negotiable

**IRVINE RANCH WATER DISTRICT
AP DISBURSEMENTS AND VOIDS FOR JUL 2022**

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
15040	29-Jul-22	EMPOWER RETIREMENT, LLC	187,570.60	IRWD Wire	Negotiable
15041	29-Jul-22	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	2,923.92	IRWD Wire	Negotiable
15042	29-Jul-22	EMPLOYMENT DEVELOPMENT DEPARTMENT	19,199.15	IRWD Wire	Negotiable
15043	29-Jul-22	CALPERS	272,878.96	IRWD Wire	Negotiable
15044	29-Jul-22	ORANGE COUNTY WATER DISTRICT	10,392,942.30	IRWD Wire	Negotiable
15045	29-Jul-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	2,596,637.50	IRWD Wire	Negotiable
SUB-TOTAL ELECTRONIC DISBURSEMENTS			30,711,386.40		
SUB-TOTAL AP CHECK AND ELECTRONIC DISBURSEMENTS			41,551,454.77		
429250	21-Jul-22	ATHENS SERVICES	14,891.63	IRWD Check	Voided
SUB-TOTAL CHECK AND ELECTRONIC DISBURSEMENTS ISSUED AND VOIDED IN JUL 2022			14,891.63		
TOTAL AP DISBURSEMENTS AND VOIDS FOR JUL 2022			41,566,346.40		

Exhibit "E"

MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS

July
2022

	AMOUNT	VENDOR	PURPOSE
7/1/2022	1,071,247.37	BANK OF AMERICA	ACH Payments for Payroll
7/15/2022	1,117,807.28	BANK OF AMERICA	ACH Payments for Payroll
7/29/2022	1,170,508.33	BANK OF AMERICA	ACH Payments for Payroll
	<u><u>\$3,359,562.98</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-22 to 31-JUL-22

NAME	CHECK NO.	CHECK DATE	AMOUNT	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Banares, Kenneth	429088	21-Jul-22	379.40	Lodging	Esri User Conference, San Diego, CA - July 12, 2022
Chauv, Denise	428913	14-Jul-22	302.00	Membership Renewal	AWWA membership
Chauv, Denise	428913	14-Jul-22	192.00	Membership Renewal	CWEA membership
Crowe, David	428810	7-Jul-22	155.00	Certification Renewal	SWRCB Water Distribution Grade V
Daniel, Matthew	428811	7-Jul-22	192.00	Membership Renewal	CWEA membership
Daniel, Matthew	428811	7-Jul-22	180.00	Certification Renewal	CWEA Collections Grade I
Lam, Chau (Joe)	428914	14-Jul-22	974.00	Certification Renewal	GICS Cyber Security Professional
Mendoza, Oliver	429089	21-Jul-22	200.00	Certification Renewal	CTP certification
Mroczek, Michael	429091	21-Jul-22	110.22	Parking Fee	Esri User Conference, San Diego, CA - hotel parking July 12-14, 2022
Mroczek, Michael	429091	21-Jul-22	105.75	Mileage	Esri User Conference, San Diego, CA - Roundtrip from MWRP to Conf., July 12-14, 2022
Nelson, Mark	428812	7-Jul-22	272.53	Certification Renewal	SWRCB Water Distribution Grade IV
Nguyen, Claire	429092	21-Jul-22	125.00	Other(Misc)	Safety Shoe Allowance
Noguera, Ricardo II	429093	21-Jul-22	150.00	Certification Renewal	SWRCB Wastewater Operator Grade III
Shih, Han-Tsuei (Josephine)	429256	28-Jul-22	379.40	Lodging	Esri User Conference, San Diego, CA - July 12, 2022
Shih, Han-Tsuei (Josephine)	429256	28-Jul-22	379.40	Lodging	Esri User Conference, San Diego, CA - July 13, 2022
Vo, Dan (Daniel)	428814	7-Jul-22	1,295.00	Registration Fees	Ascend 2022 User Conference, Las Vegas, NV - June 12-15, 2022
Vo, Dan (Daniel)	428814	7-Jul-22	177.97	Airfare	Ascend 2022 User Conference, Las Vegas, NV - June 12-15, 2022
Total Amount:			\$5,569.67		

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August 22, 2022

Prepared by: D. Johnson / E. Akiyoshi

Submitted by: K. Burton

Approved by: Paul A. Cook 

CONSENT CALENDAR

CONDITION ASSESSMENT FOR STEEL TANKS CONSULTANT SELECTION

SUMMARY:

The Condition Assessment for the Steel Tanks project includes the evaluation of 14 steel tanks, with a focus on coatings, corrosion, and attached appurtenant features. The work includes a detailed condition assessment, cost estimating, and project packaging for design and construction. Staff received and evaluated proposals from three, well-qualified teams, and recommends the Board authorize the General Manager to execute a Professional Services Agreement with V&A Consulting Engineers in the amount of \$278,119.

BACKGROUND:

Phase 1 of the Capital Improvement Program (CIP) Asset Management Program was recently completed and identifies capital repair and rehabilitation (R&R) projects for over 150 pump stations, tanks, lift stations, and well facilities. As a result of the CIP Asset Management Program and the specialized nature of evaluating steel tanks, staff initiated the steel tanks condition assessment project to complete a detailed condition assessment of all steel tanks.

The project scope of work includes asset level condition assessments using Level I (visual, non-invasive condition assessment) and Level II (more involved testing such as concrete penetration and pH measurement, ultrasonic metal thickness testing, and corrosion pit depth measurement) evaluations. It also includes cost estimation and project packaging for design and construction.

Consultant Selection:

Staff invited three consultants to propose on the project and received proposals from all three: Coating Specialists and Inspection Services (CSI), Harper & Associates, and V&A Consulting Engineers. Staff met with all team members during the request for proposal (RFP) development and proposal stages to explain the criticality of completing a comprehensive and detailed condition assessment of the steel tanks. The RFP allowed the teams to use their industry expertise to meet IRWD's project needs.

While all of the teams were well qualified, V&A presented a well-balanced team, comprehensive project approach, and excellent project understanding that meets IRWD's goals and objectives for this project.

- *Project Team:* V&A is a proven leader in the Southern California area and this team recently completed successful condition assessment projects for Sweetwater Authority, Coachella Valley Water District, Pasadena Water & Power, and Eastern Municipal Water District. The project manager, Brian Briones, has extensive experience with steel tank condition assessments and cathodic protection system evaluations and has previous experience with IRWD as part of the Turtle Ridge Pipelines Corrosion Survey and Cathodic Protection Design;
- *Comprehensive Project Understanding:* V&A's proposal was both clear and comprehensive. Its methodology for completing the work highlighted its solid project management and technical experience with detailed condition assessments for steel tanks; and
- *Technical Approach:* V&A articulated a clear approach to condition assessment that uses industry standard methods to evaluate and analyze assets for R&R. Its proposal reflects methods used at the recently successful IRWD's Zone 1 Tank coating project: V&A proposes to drain each tank and use a combination of direct visual and drone technology to complete the inspections. Also, V&A proposed the most robust suite of condition assessment tasks such as foundation sounding and pH testing and a detailed cathodic protection system evaluation. V&A's comprehensive proposal matches IRWD's proactive capital asset management approach for these aging steel tanks.

The consultant selection matrix is provided as Exhibit "A", and V&A's scope of work and fee proposal are provided as Exhibit "B". V&A's fee is higher than the other proposals due to the value-added condition assessment tasks that represent a more comprehensive project approach.

FISCAL IMPACTS:

The Condition Assessment for Steel Tanks project will be performed through the Condition Assessment Domestic Water and Condition Assessment Sanitary Sewer, Projects 12252 and 12254. These projects are funded through replacement funds and are included in the FY 2022-23 Capital Budget.

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on August 16, 2022.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH V&A CONSULTING ENGINEERS IN THE AMOUNT OF \$278,119 FOR THE CONDITION ASSESSMENT FOR STEEL TANKS, PROJECTS 12252 AND 12254.

LIST OF EXHIBITS:

Exhibit “A” – Consultant Evaluation Matrix

Exhibit “B” – V&A Scope of Services and Cost Estimate

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EXHIBIT "A"
CONSULTANT EVALUATION MATRIX

Detailed Condition Assessment of Steel Tanks

Item	Description	Weights	CSI		Harper & Associates		V&A	
A	<u>TECHNICAL APPROACH</u>							
1	Project Understanding	30%	3		2		1	
2	Project Approach	40%	3		2		1	
3	Project Team	30%	2		3		1	
	<u>Weighted Score</u>	100%	2.7		2.3		1.0	
B	<u>SCOPE OF WORK</u>							
TASK			Task Hours	FEE	Task Hours	FEE	Task Hours	FEE
1	TASK 1 - Project Management		6	\$900	60	\$11,692	71	\$14,508
2	TASK 2 - Condition Assessment		54	\$24,450	188	\$38,573	558	\$156,821
3	TASK 3 - Capital Project Packaging and Prioritization		8	\$1,200	291	\$45,600	124	\$27,318
4	TASK 4 - Final Report and Deliverables		8	\$1,200	64	\$9,000	150	\$32,162
	SUB-TOTAL ENGINEERING SERVICES, FEE		76	\$27,750	603	\$104,865	903	\$230,809
9.1	Optional Tasks		36	\$20,070			202	\$47,210
	TOTAL ENGINEERING SERVICES, FEE		112	\$47,820	603	\$104,865	1,105	\$278,019
	Avg \$/hr			\$365		\$174		\$256
D	<u>OTHER</u>							
	Miscellaneous Items							
	Multiplier		-		-		-	
	Conflict of Interest		No		No		No	
	Joint Venture		Yes		No		No	
	Addendum Acknowledgement		N/A		N/A		N/A	
	Scope of Work Exclusions		No		No		No	
	Exceptions taken to IRWD Std. Contract		No		No		No	
	Insurance (Professional & General Liability)		N/A		Yes, Certs Provided		Yes, Certs Provided	
	Ranking of Consultants		3		2		1	

The "1" ranking is the staff recommended consulting team

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Request for Proposal

Detailed Condition Assessment of Steel Tanks

Irvine Ranch Water District
06.17.2022

V&A Consulting Engineers, Inc.
Brian Briones, PE | Southwest Regional Manager
11011 Via Frontera, Suite C
San Diego, CA 92127
858.576.0226
bbriones@vaengineering.com
www.vaengineering.com





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V&A Project No. 22-0061

June 17, 2022

Eric Akiyoshi, P.E.
Engineering Manager – Infrastructure Planning
Irvine Ranch Water District
15600 Sand Canyon Avenue
Irvine, CA 92618

Re: Proposal for Detailed Condition Assessment of Steel Tanks

Dear Eric Akiyoshi,

We have thoroughly reviewed your request for proposal (RFP) along with all applicable attachments and V&A Consulting Engineers (V&A) is pleased to submit this proposal for the Irvine Ranch Water District's (IRWD) Detailed Condition Assessments of Steel Tanks. V&A is a firm with a reputation and long-established history providing responsive service and successful solutions specializing in condition assessment and corrosion engineering. For 43 years, the V&A team has provided corrosion engineering services, condition assessment services, and technical support to water and wastewater agencies throughout California and the western United States.

IRWD is seeking a qualified consulting firm that can assist with performing condition assessment and corrosion engineering services. The consultant will be responsible for reviewing relevant information about the 14 steel tanks, and performing field testing and as an optional task cathodic protection surveys. The project will include developing a detailed condition assessment report providing recommendations for repair or rehabilitation if warranted by the findings. The Report will include cost estimates for the implementation of the proposed recommendations. Recommendations approved by IRWD will be packaged and prioritized into a Capital Improvement Plan that will be provided to IRWD design teams. The project goal is to identify equipment and infrastructure recommended for repair or replacement documented into a Condition Assessment and 5-Year Prioritized Project Report.

V&A has assisted numerous clients with evaluating the likelihood of failure and calculating remaining useful life of assets by performing condition assessments. Our Team provides corrosion engineering and condition assessment services from testing to rehabilitation design to construction and, most importantly, ongoing monitoring and maintenance. We know how important relationships are between the client and the consultant and have had the opportunity to talk with members of the IRWD team and believe that we would work very well together.

By signature of this letter, we commit that IRWD will receive our full corporate support and necessary resources for the Condition Assessment and Corrosion Engineering Services included in this proposal. As the President, I am duly authorized to contractually bind V&A Consulting Engineers, Inc. This proposal presented to IRWD is valid for 90 days as of the date of this letter. If you have any questions regarding the proposal presented, please feel free to contact me at 619.436.5789 or dkaye@vaengineering.com, or Brian Briones, Southwest Regional Manager, at 858.779.0339 or bbriones@vaengineering.com. On behalf of our staff, we would like to thank you for the opportunity to be of service to the Irvine Ranch Water District.

Sincerely,

V&A Consulting Engineers, Inc.

Debra Kaye, PE
CEO & President

Brian Briones, PE
Southwest Regional Manager

Project Understanding

Irvine Ranch Water District (IRWD) is embarking on a new project for detailed condition assessment for its steel tanks as part of the ongoing development of IRWD's Capital Improvement Plan Asset Management Program (CIP AM). As IRWD continues to mature its capital facility asset management and CIP prioritization, IRWD completed Phase 1 of its CIP AM project, which developed five-year risk-based CIP priorities for pump stations, tanks, lift stations, and wells. The Phase 1 project used high-level field condition assessments to inform the likelihood of failure, remaining useful life, and effective age for various facilities.

This current project will develop detailed and comprehensive condition assessment information for 14 steel tanks. The condition assessments will include an evaluation of the physical condition, operating performance, and reliability. Based on the results of this condition assessment, project packages and scopes of work will be developed for facilities in need of repair and rehabilitation. V&A will also determine the remaining useful life and Likelihood of Failure (LOF) of each asset component.

V&A has reviewed the list of 14 steel tanks included in this project and the background documentation provided as appendices to the request for proposal (RFP). Based on the review of the documentation provided, Table 1 presents the V&A's understanding of each tank.

Tank Facility ID	Tank Facility Name	Year Built	Capacity (MG)	Most Recent Visual Assessment	Assessment Performed By	Cathodic Protection System
DRS005	East Irvine Zone 4	1984	2.5	April 2021	Workhorse Diving & Salvage	Impressed
DRS012	Portola Hills Zone 8	1988	2.5	None	N/A	Impressed
DRS016	Lake Forest El Toro Rd #1 Zone 4	1965	1.04	May 2021	Workhorse Diving & Salvage	Galvanic
DRS017	Lake Forest El Toro Rd #2 Zone 4	1969	2.05	May 2021	Workhorse Diving & Salvage	Galvanic
DRS018	Lake Forest Canada Zone 4	1969	3.7	May 2020	Inland Potable Services, Inc	None or Unknown ⁽¹⁾
DRS020	Lake Forest Zone 5 West	1989	7.8	April 2019	Inland Potable Services, Inc	None or Unknown ⁽¹⁾
DRS021	Lake Forest Zone 5 East	1978	7.8	April 2019	Inland Potable Services, Inc	None or Unknown ⁽¹⁾
DRS035	Shaw Tank	1994	0.15	May 2018	Inland Potable Services, Inc	Galvanic
DRS037	Chapman Tank	1977	0.15	June 2018	Inland Potable Services, Inc	Galvanic
DRS039	Williams Tank	1983	0.5	May 2018	Inland Potable Services, Inc	Galvanic
DRS041	Modjeska Tank	1998	1.4	June 2018	Inland Potable Services, Inc	Galvanic
DRS043	Benner Tank	1996	0.08	June 2018	Inland Potable Services, Inc	Galvanic
RRS011	Lake Forest #2 Zone C	1982	2.0	June 2018	Inland Potable Services, Inc	None or Unknown ⁽¹⁾
RRS012	Lake Forest Zone D West	1984	7.8	June 2012	Inland Potable Services, Inc	None or Unknown ⁽¹⁾

(1) Information about cathodic protection system not found in background documentation.

Table 1. Steel Tank Information

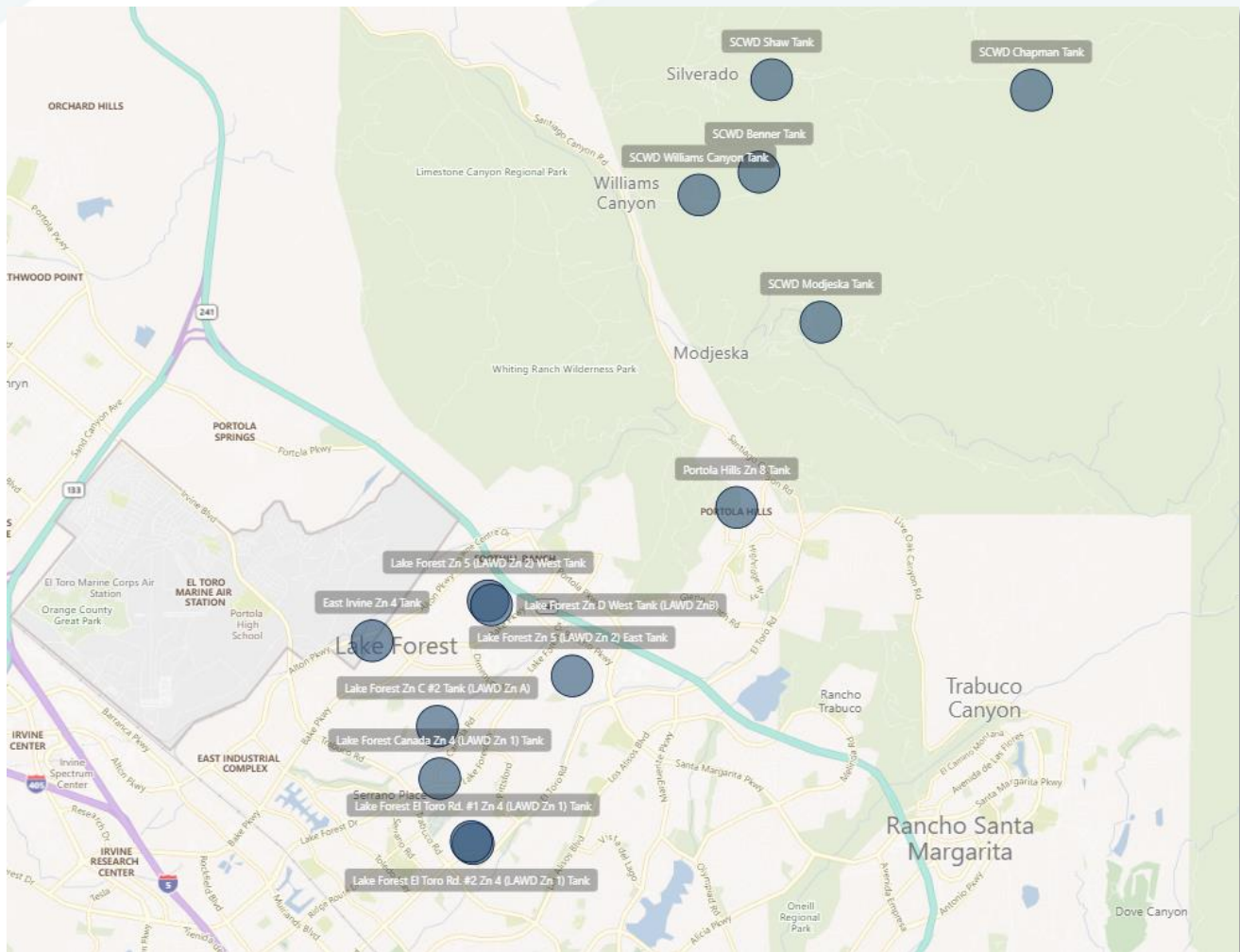
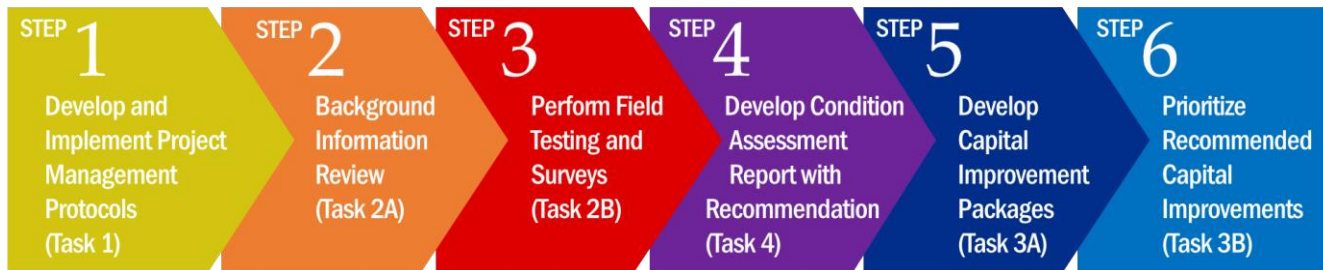


Figure 1. Locations of Steel Tanks

A. Scope



The V&A team is committed to performing the Scope of Work as outlined in Part II of the RFP. We propose to complete this project in a six-step process that will efficiently deliver results. We look forward to discussing our specific approach methods for each task with IRWD staff and will make any necessary adjustments based on those discussions.

Task 1 - Project Management

V&A will manage this project for IRWD by adhering to proposed schedules and staying within the proposed budget for each task. We will take the time to understand the requirements and needs of the project so that each project scope is well defined. Having a well-defined scope sets the project budget and schedule up for success. Regular coordination and communication throughout each project will be imperative to maintain the schedule and budget as well. V&A maintains **close working relationships** with its clients throughout the duration of a project through verbal and written communications to ensure all work is performed as required.

Additionally, V&A has instituted internal controls to facilitate monitoring of both progress and cost for projects tracked through a **project management system** called **Ajera**. Project hours and direct costs are available to the project manager in real-time. Ajera allows continuous comparison of actual project performance against the project plan, identification of deviations in the performance, evaluation of alternatives, and corrective action to complete the scope of work within the project schedule and budget. Each project manager receives a weekly summary report of projects assigned to them. This weekly summary presents contract amounts, budget hours, spent hours, and the remaining budget. This Report is monitored by the project manager weekly at a minimum, if not daily. Any discrepancies found are formally addressed in meetings between the Chief



Operating Officer, Regional Manager, principal-in-charge, and project manager. Notification of any variances will be provided to IRWD immediately. This process has a long history and is a proven tool that keeps V&A on schedule and on budget with our clients.

Brian Briones, the Senior Project Manager, will be responsible for managing the project costs and schedule. He will also act as the main point of contact for day-to-day needs and will receive support from Glenn Willson, Principal-In-Charge, for contractual and quality control needs.

Quality Assurance/Quality Control Approach

V&A manages risk by requiring a mandatory review of all data, reports, plans and specifications, entailing proper formatting, correct grammar, and technical information reviews. V&A ensures plans and specifications are in accordance and meet agency/client design guidelines.

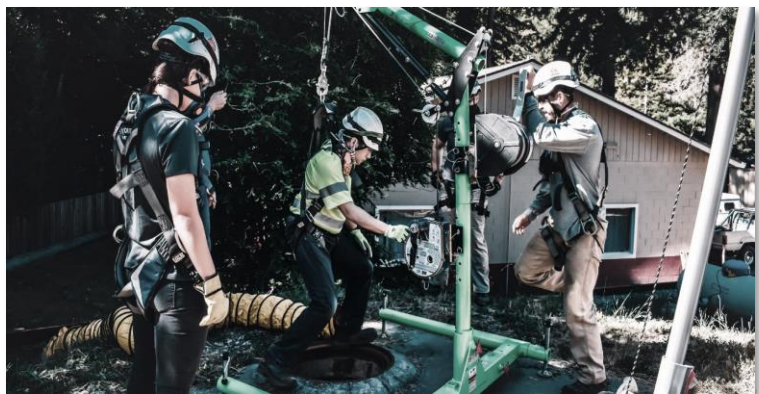
V&A has a well-developed internal **Quality Assurance/Quality Control (QA/QC)** process. The project deliverables, such as reports, drawings, or specifications, will be reviewed by a qualified team of V&A staff for technical accuracy, consistency with the intent of the task's scope of work, grammar, and format. The project manager will usher the deliverables through this process so that each work product delivered to IRWD meets V&A's high-quality standards.



Quality is achieved when work is adequately planned, assigned, executed, and checked. **Noy Phannavong, P.E. (V&A's Condition Assessment Practice Lead) and Chris Sheldon, P.E. (V&A's Corrosion Practice Lead), will be responsible for ensuring QA/QC procedures are followed and documented.** This includes field data collection and reporting. Our QA/QC program includes two internal reviews of data collection procedures, field and laboratory test results, design documents, calculations, as well as engineering reports prior to submittal. We recognize the importance of quality control and that it is diligently performed throughout the project and not just immediately prior to our client delivery.

The project duration is assumed to be six (6) months. This task includes the following project management work activities:

1. Monitor project progress, including work completed, work remaining, budget expended, schedule, estimated cost of work remaining, and estimated cost at completion; manage activities within the total project budget.
2. Monitor project activities for potential changes and anticipate changes whenever possible; with approval, modify project tasks, task budgets, and approach to keep the overall project within budget and on schedule.
3. Manage the quality of all work activities and project deliverables.
4. Prepare monthly invoices, including a monthly status report summarizing the work status relative to budget and schedule. The project schedule shall



V&A engineers are confined space trained and certified, and we are committed to safety with a robust safety program and excellent safety record. Our team members are certified through the National Association of Corrosion Engineers (NACE) and Society of Protective Coatings (SSPC) to ensure our data meets the rigorous quality standards our clients expect.

also be updated monthly for inclusion in the monthly status report.

5. Submit status reports bi-weekly on Monday consisting of a brief (one or two paragraphs) e-mail summarizing the activities completed in the previous week, the activities planned for the upcoming week, and critical decisions that need to be made.
6. Submit required prevailing wage documents and DAS forms as required by the State of California Department of Industrial Relations for all field-testing work. Comply with prevailing wage laws and certified payroll requirements.
7. Organize, attend, and conduct meetings to keep the project running efficiently. Prepare and submit meeting agendas for IRWD review and concurrence at least five days prior to the meeting. Prepare draft and final minutes for all meetings and workshops and submit them to IRWD within one week of the meeting. Three (3) 2-hour virtual meetings will be attended by two (2) V&A professionals, including:
 - a. Kickoff meeting
 - b. Present draft condition assessment
 - c. Present final condition assessment, including Capital Improvements Prioritization

Task 2 – Condition Assessment

The primary goals of the condition assessment task are to identify equipment and infrastructure recommended for repair or replacement. The subtasks included under Task 2 will be documented and compiled into a Condition Assessment (Task 4) and 5-Year Prioritized Project (Task 3) Report.

Background Information Review

Our Team will collect and review all relevant background information and data for the 14 steel tanks, including the GPS/GIS data, record drawings and specifications, operation and maintenance records, repair and rehabilitation history, cathodic protection and/or corrosivity survey data, previous condition assessment reports, and any other available documentation relevant to the project. The review will be used to prepare for and schedule the condition assessment and survey fieldwork.

Condition Assessment

V&A will perform the field condition assessments, testing, and surveys per established industry standards, including AMPP (formerly NACE) and Cal-OSHA. The 3-person or 4-person field crew will be certified for the testing and confined space entry as required. This project will assess the condition of each of the tanks, including, at a minimum, the following (IRWD is doing a concurrent mechanical, electrical, I&C, and site condition assessment, and all other appurtenances not directly attached to the tanks):

- General site conditions (pavement, curbs, site drainage, site security, fencing, signage, etc.)
- Continuous defects or features such as defective coatings, corrosion on the floor, wall, weld joint corrosion
- Deformed or broken appurtenances
- Multiple failed components
- Cathodic protection system
- Significant erosion, corrosion, or surface damage (including steel wall, tank roof, access hatches, and tank footings)
- Defective appurtenant features such as steps, ladders, platforms, inlet/outlet pipe(s), columns, overflow pipe

Based on the RFP and discussions with IRWD staff, it is V&A's understanding and approach that the fieldwork will be performed in three separate mobilizations. The mobilizations will be staggered, so IRWD staff have time to put tanks back into operations while taking the next batch of tanks offline, dewatered, and cleaned.

Based on V&A's initial review of the documentation provided in the RFP, V&A has made the assumptions presented in Table 2 for each of the three mobilizations.

Mobilization	Tanks	Total Combined Capacity (MG)	Crew Size	No. of Days to Complete Assessment Field Work	Month to be Performed
First	DRS035 - Shaw Tank DRS037 - Chapman Tank DRS039 - Williams Cyn Tank DRS041 - Modjeska Tank DRS043 - Benner Tank	2.28	3-person	2.5	Aug. 2022
2	To Be Determined	~ 18.6	4-person	5	Sept. 2022
3	To Be Determined	~ 18.6	4-person	5	Oct. 2022

Table 2. Condition Assessment Field Assumptions

A typical facility visit will start in the early morning with a safety meeting and a brief overview of what work will be performed. IRWD will have the facility offline, dewatered, and cleaned prior to V&A arriving onsite. IRWD representatives from Facilities, Distribution Operation, and Engineering groups will be available as required to perform the work. Visual observations will be performed from the exterior of the tank prior to setting up for confined space entry into the tank. V&A will have all equipment necessary on site to perform a safe confined space entry into the tank and will meet IRWD's confined space policy. A drone will be used within tanks to document elevated areas of the tank that cannot be reached by ladders. A sample video showing drone footage performed by V&A inside a steel tank within the past few month can be viewed at the following web address - <https://vaengineering.egnyte.com/dl/sMLtqusrMD> (password: 48bwtdmDNMdk). The footage will be used for V&A to take quantitative measurements from the roof of the tank where it seems necessary based on visual observation. If V&A visually observes areas of the tank that warrant additional testing and cannot be reached with a ladder or from the top of the tank, then scaffolding will be erected by a contractor to provide access to the area. The scaffolding contractor cost is not included in this scope of work and would be included as an additional task if directed by IRWD.

The following subsections describe V&A's approach and methodology to performing the condition assessments:

- Visual Corrosion Assessment** – Perform visual observations of the concrete (if applicable) and metallic surfaces within and around the tank. A drone will be used to provide observations of the elevated portions of the tank, including rafters, as required. The observations will be documented with digital photographs and field notes. Record drawings will be used to identify locations of observed defects. The condition of concrete and metallic surfaces will be rated using the VANDA® Concrete and Metal Condition Indices.
- Metal Thickness** – Ultrasonic testing will be performed at up to 10 locations (or a minimum of 40 measurements), including safely accessible piping, structural supports, or other metallic structures at each tank.
- Corrosion Pit Depth** – Measure pit depth where significant metallic corrosion pitting is observed, and a UT measurement is not successful. A depth gauge will be used for pit depth measurements.
- Coatings Assessment** – Visually assess the rusting on coated steel surfaces by noting defect areas and severity in accordance with ASTM D610, Standard Practice for Evaluating Degree of Rusting on Painted Steel Surfaces. Perform dry film thickness (DFT) testing on coatings (up to 10 locations or a minimum of 20 measurements) present on metal surfaces of equipment and piping at each storage tank.
- Concrete Sounding** – Assess the concrete condition by "sounding" to listen for discontinuities and penetration measurements

(using a chipping hammer) to find the depth to sound material in safely accessible areas.

6. **Concrete Penetration Testing** – Penetration measurements involved applying a consistent level of force from a chipping hammer to remove loose material from the concrete surface until solid, hard material is reached and then measuring the depth of the resulting cavity.

7. **Concrete Surface pH Testing** – Conduct in-situ pH measurements of concrete structures to determine the pH of the concrete exposed to the wastewater environment.

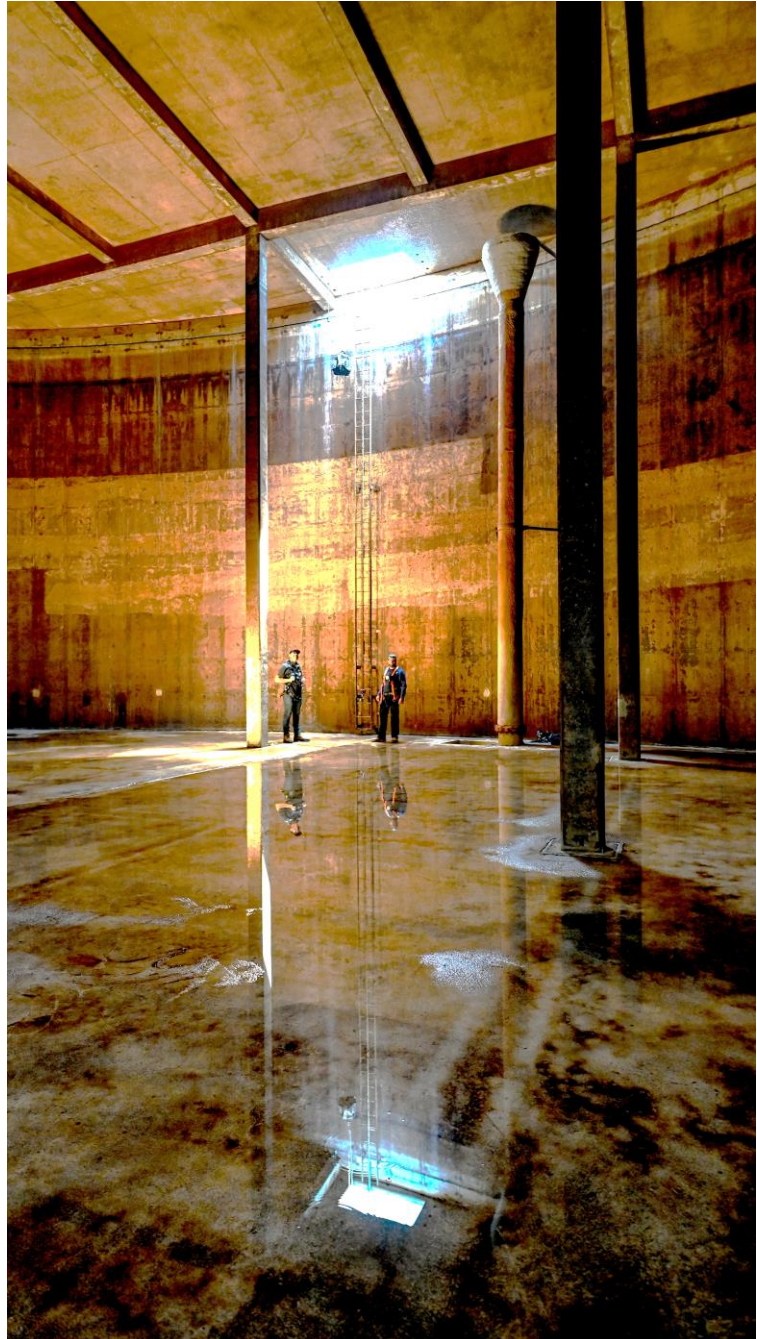
8. **Photos** – Document the condition assessment and corrosion evaluation with digital photographs. Up to 20 photos will be obtained at each tank.

9. **Optional Task: Cathodic Protection Evaluation** – Cathodic protection/corrosion monitoring surveys must be performed while the tanks are in service. These surveys will be performed separately from the condition assessment work. A 2-person crew will perform the work over a 2-week period with two mobilizations. The work will be scheduled so that it does not impact the condition assessment field work schedule.

- a. Measure tank-to-water potentials to assess the level of corrosion activity on the internal submerged metallic portions of the tanks. Reservoirs featuring CP systems will be evaluated to the criteria established in NACE SP0169 for corrosion protection.
- b. Record GPS coordinates (precision within 3 feet), data, and photographs using a tablet with the Survey123 application, which directly interfaces with ArcGISI.
- c. Tank-to-water potentials by submerging a calibrated portable reference electrode into the tank from the roof access hatch and other available locations as required to get enough data to understand the corrosion activity and

performance of the existing CP system while the tank is at a normal operating level.

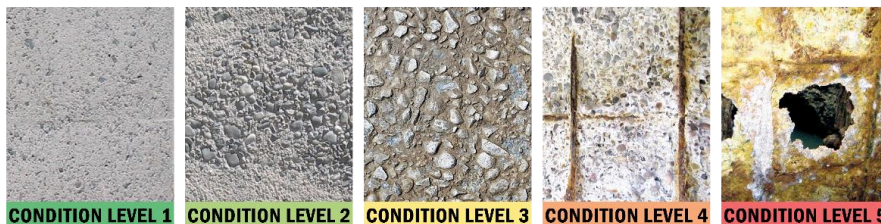
- d. Potential measurements will be taken at 5-foot depth intervals. Anode current output will be measured from the CP system controller if available. All measurements will be recorded with a calibrated high impedance multimeter.
- e. Record rectifier operation and outputs as required.



Our trademarked VANDA® Indices are a condition assessment rating system for metallic and concrete assets.

VANDA® CONCRETE CONDITION INDEX

The VANDA™ Concrete Condition Index was created by V&A Consulting Engineers to provide consistent reporting of corrosion damage based on an objective criterion. Typical examples of each condition level are shown at right.



VANDA® METAL CONDITION INDEX

The VANDA™ Metal Condition Index was created by V&A Consulting Engineers to provide consistent reporting of corrosion damage based on an objective criterion. Typical examples of each condition level are shown at right.



Task 3 – Capital Improvements Packaging and Prioritization

V&A will define CIP packages for each steel tank facility. V&A has experience in defining capital improvement packages and most recently developed a 25-year/\$25 million CIP for cathodic protection improvements for one of the largest water districts in southern California. Project packages will be defined at the asset level for each facility, prioritized, and organized such that they can be handed off to IRWD's various Engineering design teams. Each project package will include cost estimates for each facility. The Condition Assessment Report (Task 4) will include remaining useful life (RUL) estimates for assets and recommended time frames for implementation of improvements. Under this task, recommendations will be ranked RUL and LOF. The ranking will be used to package projects and articulate requirements clearly to meet the needs of IRWD's design teams.

Cost estimating is typically performed by V&A in most condition assessment and corrosion engineering projects. While V&A performs the field work, areas for rehabilitation needs are quantified. V&A maintains close working relationships with southern California contractors that specialize in coatings/linings repair, structural repairs, including concrete and steel components, and installation of cathodic protection systems. V&A will leverage those relationships to develop accurate cost estimates based on quantities obtained in the field.

Task 4 – Final Report and Deliverables

V&A will prepare a Condition Assessment Report (Report) that summarizes the condition assessment approach and methodology, photographs, documents the findings with graphical and illustrative figures as needed, operational deficiencies relayed by Operations, age, condition, and provides detailed recommendations for replacement and/or rehabilitation. The Report will be submitted in draft form to IRWD staff for one round of review and comments. V&A will conduct a review meeting (virtually) with IRWD staff, then finalize the Report based on comments received. The draft submittal will be submitted in electronic form (PDF). Upon resolution and incorporation of review comments, eight (8) copies of the Final Condition Assessment Report and one (1) electronic copy in PDF will be submitted to IRWD.

Condition Assessment Observations for Steel Water Tank



Severe corrosion on interior ladder



Corrosion nodules observed on the interior tank wall



Corrosion of fasteners at the base of a bolted steel tank roof support center column

B. Team

V&A's proposed project team has a combined experience totaling more than 100 years of providing condition assessment and corrosion engineering services. The Team that V&A has selected for this project has the specific work experience needed to address the scope of services described in your RFP. We are very confident that IRWD will be satisfied with our technical capabilities as well as our abilities to provide excellent client service.

The members of the proposed project team have completed several challenging condition assessment and corrosion engineering projects and can ensure IRWD that we have the experience required to complete the work. The V&A team has completed projects that required extensive field surveys, data evaluation, engineering analysis, program development, CIP packaging and prioritization, and detailed rehabilitation design that have resulted in solutions to correct several problems or deficiencies at significant cost savings to the client. The proposed project staff is committed to successfully delivering the consulting engineering services that arise from this project.

The following are additional benefits of hiring the V&A Team for IRWD's condition assessment needs:

- Extensive experience with large corrosion and condition assessment projects and maintenance/monitoring programs that require collecting, analyzing, and presenting the data from these complex projects
- Proven performance record for cost and schedule control
- Capability to successfully resolve complex corrosion and condition issues
- Commitment to the provision of training and safety for V&A team members

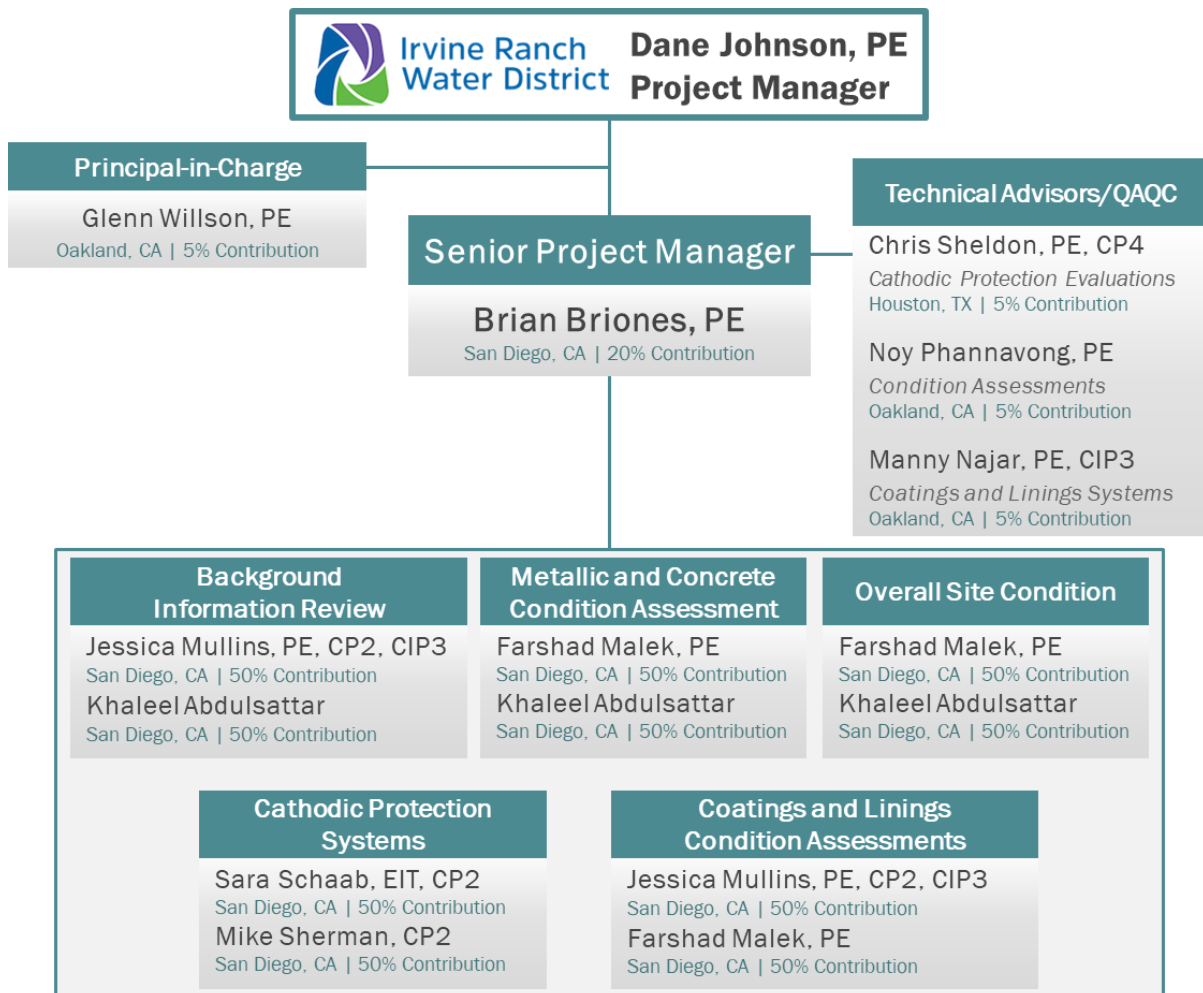
A Team You Can Depend On

V&A's Project Team will be led by **Brian Briones, PE, with 20 years of project management**, corrosion engineering and condition assessment experience. Brian will be supported by a knowledgeable and experienced team that has successfully completed projects of similar magnitude for other agencies throughout California. V&A's unmatched experience and knowledge in corrosion evaluation, condition assessment, and development of recommendations to extend useful life of water facilities will exceed the expectations of IRWD. Our team of experts – many respected as top-in-their-field – practice industry-standard management techniques ensuring delivery of efficient and cost-effective services. As shown in our proposed organizational chart and Personnel section of the proposal, the V&A team offers technical strength and has a proven track record delivering complex and critical projects. Senior Project Manager, Brian Briones, will lead the team and project from our north county San Diego office. We are fully dedicated to this project.

More About the Project Manager

Brian believes in maintaining close working relationships with clients. Communication is critical to ensuring the team's technical approach aligns with the Irvine Ranch's project goals while staying within proposed budget and schedule. Bi-weekly progress meetings via phone or video conference followed up with summary emails will keep the Irvine Ranch's decision-makers well informed and in agreement with upcoming tasks. Progress meetings will be used to provide an update to project stakeholders, such as various Irvine Ranch departments, cities, permitting agencies, and subconsultants/ contractors. Brian will be instrumental in making sure cost-savings measures are being implemented to obtain the data required to make decisions that are transparent and defensible.

We have selected team members with specific work capabilities best suited to your project, including licensing, credentials, and experience. This Team is committed to successfully delivering effective corrosion engineering services and has completed multiple projects in tandem. Resumes are provided in the Appendix | Resume section.



Project Team and Roles

Detailed resumes containing discussions of project experience, education, and certifications for each proposed team member are provided in the Appendix | Resume section.

	Principal-in-Charge	Glenn Willson, PE
	Glenn will oversee the Team, deliverables, and ensure quality control procedures are followed and will serve as a liaison with IRWD in case project issues arise.	
	Senior Project Manager	Brian Briones, PE
	Brian will be the primary contact to the IRWD and manage the Team, work, budget and deliverables for the project.	
	Technical Advisory/QAQC	Chris Sheldon, PE, CP4
	Chris is a subject matter expert in corrosion engineering and will work with the Team to review all deliverables for corrosion evaluation technical accuracy.	
	Technical Advisory/QAQC	Noy Phannavong, PE
	Noy is a subject matter expert in condition assessment and will work with the Team to review all deliverables for condition assessment technical accuracy.	
	Technical Advisory/QAQC	Manny Najar, PE, CIP3
	Manny is a subject matter expert in coatings management and will work with the Team to review all deliverables for coatings management technical accuracy.	
	Background Information Review	Jessica Mullins, PE, CP2, CIP2
	Jessica will analyze drawings, data, and relevant reports and will bridge results, conclusions, and recommendations of existing and new information.	
	Coatings and Linings Condition Assessments	
	Jessica will review various testing method results to assess the coating and linings of the project's equipment and infrastructure to provide IRWD recommendations for improvements and the development of design packages.	
	Metallic and Concrete Condition Assessment	Farshad Malek, PE
	Farshad will perform field testing of structures to collect valuable data, including material assessments, CP appurtenances, and coatings/linings. He will analyze the collected data and provide reporting and recommendations, and the development of design packages.	
	Overall Site Condition	
	Farshad will assess overall site condition and provide reporting and recommendations for improvement and/or repair, and development of design packages.	

	Cathodic Protection Systems	Sara Schaab, EIT, CP2
	Sara will perform methods of field testing/surveys to collect valuable data, including measuring potentials, condition of anodes and rectifiers, adjustments to rectifier outputs in the field, and recommendations for improvements, and development of design packages.	
	Cathodic Protection Systems	Mike Sherman, CP2
	Mike will perform methods of field testing/surveys to collect valuable data, including measuring potentials, condition of anodes and rectifiers, and adjustments to rectifier outputs in the field.	
	Background Information Review	Khaleel Abdulsattar
	Khaleel will analyze drawings, data, and relevant reports and will bridge results, conclusions, and recommendations of existing and new information.	
	Metallic and Concrete Condition Assessment	
	Khaleel will perform field testing of structures to collect valuable data, including material assessments, CP appurtenances, and coatings. He will analyze the collected data and provide reporting and recommendations.	
	Overall Site Condition	
	Khaleel will assist Farshad in assessing the overall site condition and provide reporting and recommendations for improvement and/or repair.	



C. Experience

Relevant Project Experience

V&A has focused on infrastructure preservation and sustainability for more than 43 years. We have provided dedicated, field-based corrosion evaluation and condition assessment services on more than 100 projects for utility and agency clients throughout California, including Irvine Ranch. We have assisted numerous clients with infrastructure condition assessment projects, providing technology/tool evaluation, fieldwork planning and execution, permitting, and analyzing data collected to provide defensible recommendations for repair and/or replacement that align with agency capital improvement budget targets.

V&A's in-house condition assessment capabilities and specialized services:

- Visual investigation with photographic and video documentation (drone and 360-camera)
- Dimensional measurements
- Concrete delamination survey (sounding)
- Concrete surface pH
- Concrete penetration
- Surface penetrating radar for reinforced concrete
- Ultrasonic thickness testing on metals
- Broadband electromagnetic scanning of metals
- VANDA® concrete & metal ratings indexes

The following project experience is relevant and similar in nature to Irvine Ranch Water District's project scope.

Sweetwater Authority

On-Call Cathodic Protection Services – Technical Support Tank Assessments, San Diego, CA

Since 2005 and contracted through 2022, V&A has provided design services, annual corrosion/CP surveys, and condition assessment of the Sweetwater Authority's cathodic protection (CP) systems for the water transmission system (pipelines and steel tanks). For an active task order, V&A is currently assessing the condition and performed cathodic protection evaluations for 11 steel storage tanks and 3 hydropneumatic tanks. Assessment methods include visual assessment, documentation of elevated areas (rafters and roof) with the use of a drone, concrete sounding, penetration testing, surface pH measurements, ultrasonic thickness testing, and coating/lining evaluation. V&A is working closely with Sweetwater to coordinate and schedule the work with District staff so that impacts on operations are minimized.



New Test Station



At-grade Test Station

REFERENCE

Sweetwater Authority

Chris Bauer, PE
Engineering Manager
619.409.6751
cbauer@sweetwater.org

\$258,082
2018 – Active

ROLE: Prime

- Glenn Willson, PE – PIC
- Brian Briones, PE – Project Mgr.
- Chris Sheldon, PE, CP4 - Tech Advisor
- Noy Phannovong, PE – Tech Advisor
- Manny Najjar, PE, CIP3 – Tech Advisor
- Farshad Malek, PE – Cond. Assessment
- Jessica Mullins, PE, CIP2, Project Eng.
- Sara Schaab, EIT – Assoc. Engineer
- Khaleel Abdulsattar, Graduate Eng.
- Mike Sherman, CP2 – Corrosion Tech

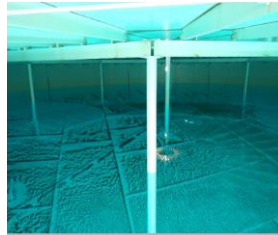
Coachella Valley Water District

Corrosion Protection Improvements, Coachella, CA

V&A performed corrosion engineering services for the Bombay Beach Pipeline, Mid-Valley Pipeline, Storm Channel, 27 steel reservoirs, and canal structures. For the steel reservoirs, surveys performed include measuring potentials at 5-foot depth increments, evaluating the condition of the anodes and rectifiers, and adjusting the rectifier outputs in the field in order to meet the NACE International criteria for corrosion protection. V&A developed recommendations for repair, including cost estimates, and design documents for proposed improvements. V&A is currently providing engineering services during construction, including the development of submittal and request for information responses, field testing, and cathodic protection system energization.



Reservoir 1092-1



Interior of Reservoir 1092-

REFERENCE

Coachella Valley Water District

Angel Herrera
Electrical Supervisor
760.398.2661 ext. 2426
aherrera@cvwd.org

\$416,104
2019 - present

ROLE: Prime

- Glenn Willson, PE – PIC
- Chris Sheldon – Tech Lead/ QAQC
- Brian Briones, PE – Project Mgr.
- Jessica Mullins, PE – Project Eng.
- Sara Schaab, CP2, EIT – Assoc. Engineer
- Mike Sherman, CP2 – Corrosion Tech

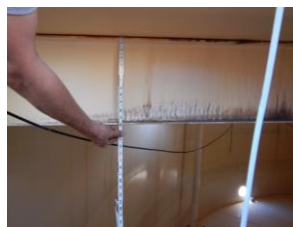
Pasadena Water & Power

Glenoaks Reservoir 1666 Condition Assessment, Pasadena, CA

V&A assessed the condition of the Glenoaks Reservoir 1666 for the City of Pasadena Water and Power. Pasadena was interested in purchasing the tank from the City of Glendale Water and Power for recycled water storage. V&A's assessment assisted Stantec's tank purchase evaluation providing recommendations and cost estimates for repair. The tank is a 1.25-million-gallon welded steel tank. Assessment methods consisted of interior and exterior visual observations, obtaining dimensions of structural members, ultrasonic thickness testing, pit depth measurements, and dry film thickness testing of coatings. Ratings and recommendations were provided for the foundation, floor, wall, overflow pipe, influent/effluent piping, center column, roof, roof access hatches, roof supports, exterior/interior ladders, level gauge well, drain, roof vents, manway, and utility boxes.



Glenoaks Reservoir 1666



Verifying Dimensions of Structural Members

REFERENCE

Stantec

Autumn Glaeser, PE
Project Manager
805.285.9093
autumn.glaeser@stantec.com

\$14,207
2017 – 2017

ROLE: Subconsultant

- Glenn Willson, PE – PIC
- Brian Briones, PE – Project Mgr.
- Mike Sherman – Asst. Engineer

City of San Diego

Pomerado Park Reservoir Upgrades Corrosion Engineering, San Diego, CA

V&A reviewed cathodic protection (CP) survey data and coatings condition assessment data obtained by others. V&A developed a basis of design recommendations and detailed design for CP replacement and coatings replacement. V&A developed cost estimates for both CP replacement and options, including coating and lining rehabilitation or existing coating removal, containment, and replacement. Coating evaluations included removal options, product review, options for containment, and coating system applications, including a three-coat epoxy system and 100% solids polyurethane.



Interior Coating Assessment



ICCP Rectifier

REFERENCE

Dokken Engineering

Chris Thomas
Project Manager
858.514.8377
cthomas@dokkenengineering.com

\$51,150
2018 – 2021

ROLE: Subconsultant

- Glenn Willson, PE - PIC
- Brian Briones, PE – Project Mgr.
- Manny Najar, PE – Coatings Specialist
- Sara Schaab, CP2, EIT – Assoc. Engineer
- Mike Sherman – Asst. Engineer

East Orange County Water District

Reservoirs CP Annual Survey, Orange County, CA

Since 2016, V&A has performed cathodic protection annual surveys for EOCWD's pipelines, flow control facilities, and storage reservoirs. The Andres Reservoir and Newport Reservoir are both steel tanks with impressed current CP systems and have capacities of 11.5 MG and 1 MG, respectively. The Barret reservoir is a 0.25MG steel tank with a galvanic CP system. V&A conducts regular surveys of the CP systems to verify that adequate corrosion protection is being provided. The surveys include measuring potentials at 5-foot depth increments, evaluating the condition of the anodes and rectifiers, and adjusting the rectifier outputs in the field in order to meet the NACE International criteria for corrosion protection. V&A also develops design documents for recommendations, and routine maintenance on the CP systems, replacing broken and/or missing test stations and rectifier components.



Newport Reservoir



Impressed Current Rectifier

REFERENCE

East Orange County Water District

Jeff Smyth, PE
Engineering Manager
714.538.5815
jsmyth@eocwd.com

\$123,073
2016 – Active

ROLE: Prime

- Glenn Willson, PE – PIC
- Brian Briones, PE – Project Mgr.
- Sara Schaab, PE, Associate Eng.
- Mike Sherman, CP2 – Corrosion Tech

Eastern Municipal Water District

Corrosion Protection and CIP Program, Riverside County, CA

The District's combined steel pipeline transmission system is composed of over 700 miles of potable water pipelines and over 100 miles of recycled water pipelines that supply to a variety of customers. It is critical that the pipelines are protected through measures such as corrosion monitoring, cathodic protection (CP), and coatings/lining systems to allow the EMWD to continue to improve the efficiency of its system.

V&A has developed a Corrosion Protection Plan (CPP) that assessed current practices, recommended best practices, assessed staffing and resource needs, developed implementation guidelines, identified high-level assessments of infrastructure; developed short-, medium-, and long-term optimization plans, and prioritizes a five-year CPP program with clear and achievable milestones. EMWD expanded the project to a 25-year CPP/CIP program that was ultimately developed by V&A, including cost estimates for implementation in five-year increments. The program's goal is to protect and ensure the structural integrity of the EMWD's projects and existing facilities.



Recycled Water Risk Results

REFERENCE

Eastern Municipal Water District

Fermin Balvaneda
Civil Engineer
951.928.3777 ext. 4481
balvanef@emwd.org

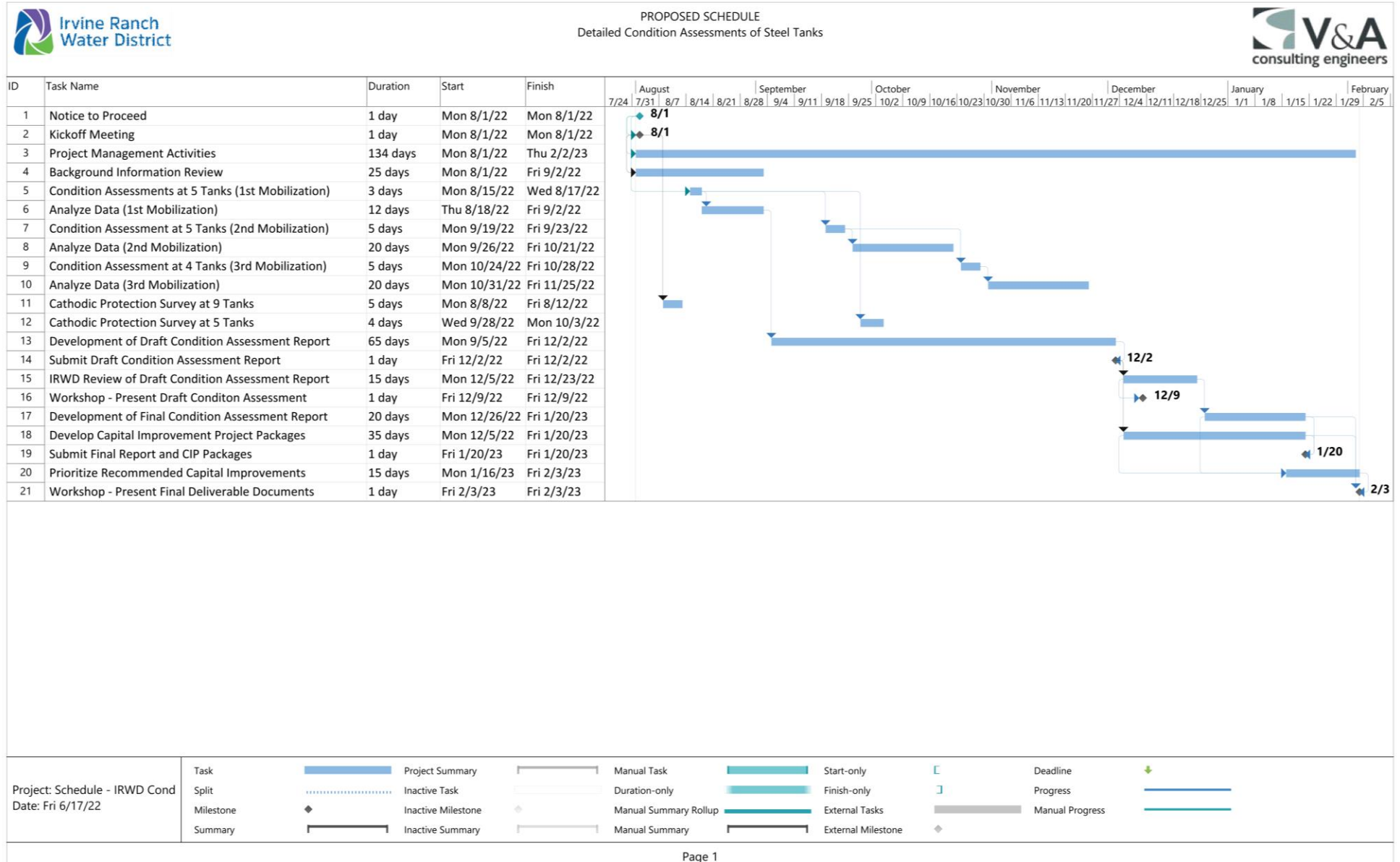
\$273,164
2019 - 2021

ROLE: Prime

- Glenn Willson, PE – PIC
- Chris Sheldon, PE, CP4 – Tech Adviser
- Brian Briones, PE – Project Mgr
- Mike Sherman, CP2 - Corrosion Tech



D. Schedule



E. Budget

A proposed budget, which encompasses the scope of work detailed in Irvine's RFP, is presented in a resource allocation estimate and is provided separately in a sealed envelope.

F. Joint Venture

V&A is submitting this proposal as a Prime and will not be working with another firm as a joint venture.

G. Conflict of Interest

V&A confirms that personal or organizational conflicts of interest prohibited by law do not exist.

H. Contract

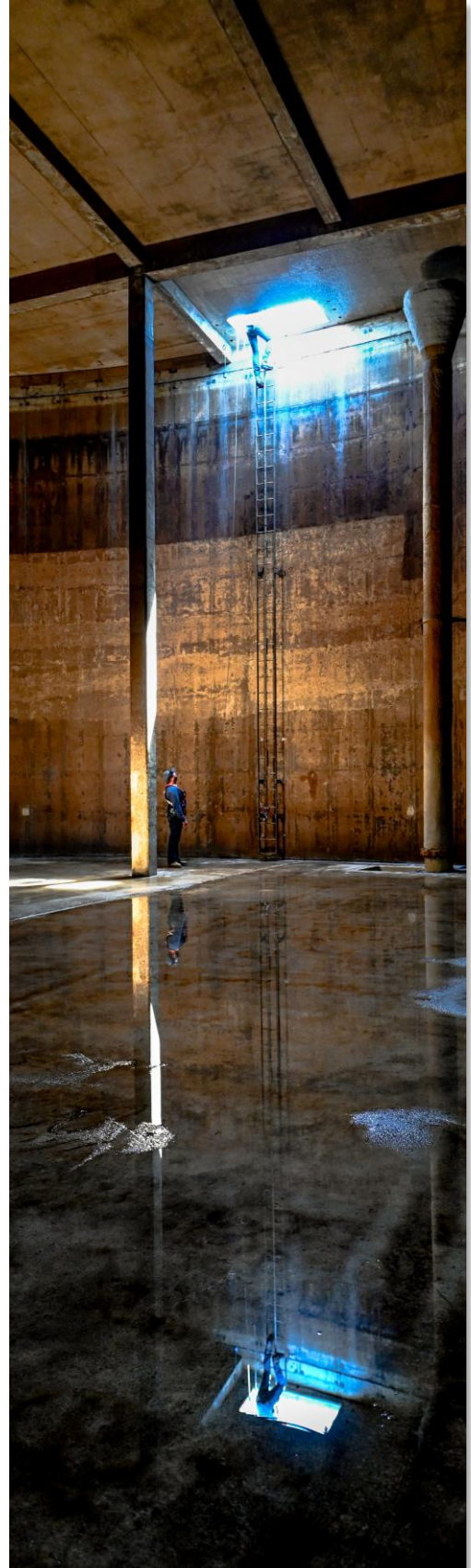
V&A will not request any modifications to IRWD's Professional Services Agreement.

I. Insurance

V&A has included a copy from our provider on the following page for the required coverages as shown in the Professional Services Agreement are satisfied under our existing insurance policy.

J. Public Work Requirements

V&A's DIR registration number is 1000007205





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/25/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER AssuredPartners Design Professionals Insurance Services, LLC 3697 Mt. Diablo Blvd Suite 230 Lafayette CA 94549	CONTACT NAME: Dani Schulze PHONE (A/C, No, Ext): E-MAIL: DesignProCerts@AssuredPartners.com ADDRESS: INSURER(S) AFFORDING COVERAGE NAIC # INSURER A: XL Speciality Insurance Company 37885 INSURER B: Hartford Accident and Indemnity Company 22357 INSURER C: Sentinel Insurance Company 11000 INSURER D: INSURER E: INSURER F:
INSURED V&A Consulting Engineers, Inc. 1000 Broadway, Suite 320 Oakland CA 94607	License#: 6003745 V&ACONS-02

COVERAGES

CERTIFICATE NUMBER: 1923413106

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
C	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ Contractual Liab ☐ Included GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☒ LOC ☐ OTHER:	Y	Y	84SBWBF2643	9/8/2021	9/8/2022	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
B	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☒ HIRED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ NON-OWNED AUTOS ONLY	Y	Y	84UEGAA1983	9/8/2021	9/8/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION \$ 10,000	Y	Y	84SBWBF2643	9/8/2021	9/8/2022	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Professional & Pollution Liability	N	Y	DPR9982857	9/8/2021	9/8/2022	Per Claim Annual Aggregate Retro Date: 07/28/79 \$5,000,000 \$5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Umbrella Liability policy is a follow-form underlying General Liability/Auto Liability/Employers Liability.
FOR PROPOSAL PURPOSE ONLY

CERTIFICATE HOLDER**CANCELLATION 30 Day Notice of Cancellation**

SAMPLE	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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ACORD 25 (2016/03)

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CERTIFICATE OF LIABILITY INSURANCE

VCO

DATE (MM/DD/YYYY)

07/01/2021

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IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services, Inc of Florida 1001 Brickell Bay Drive, Suite #1100 Miami, FL 33131-4937	CONTACT NAME: Aon Risk Services, Inc of Florida PHONE (A/C, No, Ext): 833-506-1544 FAX (A/C, No): EMAIL ADDRESS: work.comp@trinet.com
INSURED Trinet Group, Inc. L/C/F V&A Consulting Engineers Inc 9000 Town Center Parkway Bradenton, FL 34202	INSURER(S) AFFORDING COVERAGE INSURER A: ACE American Insurance Company INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:
	NAIC # 22667

COVERAGES

CERTIFICATE NUMBER: 15320579

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE \$
	CLAIMS-MADE ☐ OCCUR ☐						DAMAGE TO RENTED PREMISES (Ea occurrence) \$
							MED EXP (Any one person) \$
							PERSONAL & ADV INJURY \$
							GENERAL AGGREGATE \$
							PRODUCTS - COM/OP AGG \$
	GEN'L AGGREGATE LIMIT APPLIES PER:						
	☐ POLICY ☐ PROJECT ☐ LOC						
	☐ OTHER						
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident) \$
	ANY AUTO OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐						BODILY INJURY (Per person) \$
	HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY ☐						BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
							\$
	UMBRELLA LIAB ☐ OCCUR ☐						EACH OCCURRENCE \$
	EXCESS LIAB ☐ CLAIMS-MADE ☐						AGGREGATE \$
	DEC ☐ RETENTION \$						
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N ☐	N/A	WLR_C69136333	07/01/2021	07/01/2022	☒ PER STATUTE ☐ OTH-ER
							E.L. EACH ACCIDENT \$ 2,000,000
							E.L. DISEASE - EA EMPLOYEE \$ 2,000,000
							E.L. DISEASE - POLICY LIMIT \$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Workers' Compensation coverage is limited to worksite employees of V&A Consulting Engineers Inc. a co-employment agreement with Trinet HR III, Inc.

-sample-

CERTIFICATE HOLDER

V & A Consulting Engineers, Inc.
1000 Broadway
Suite 320
Oakland, CA 94607

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Aon Risk Services, Inc of Florida

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Appendix | Resumes

Detailed resumes containing discussions of project experience, education, and certifications for each proposed team member are provided on the following pages.

Team Member	Role
Glenn Willson, PE	Principal-in-Charge
Brian Briones, PE	Senior Project Manager
Chris Sheldon, PE, CP4	Technical Advisory/QAQC
Noy Phannavong, PE	Technical Advisory/QAQC
Manny Najar, PE, CIP3	Technical Advisory/QAQC
Jessica Mullins, PE, CP2, CIP2	Background Information Review Coatings and Linings Condition Assessments
Farshad Malek, PE	Metallic and Concrete Condition Assessment Overall Site Condition
Sara Schaab, EIT, CP2	Cathodic Protection Systems
Mike Sherman, CP2 (CA)	Cathodic Protection Systems
Khaleel Abdulsattar	Background Information Review Metallic and Concrete Condition Assessment Overall Site Condition



V&A Project No. 22-0061

11011 Via Frontera
Suite C
San Diego, CA 92127

858.576.0226 **Tel**
510.903.6601 **Fax**
vaengineering.com

June 17, 2022

Irvine Ranch Water District
Engineering Department
15600 Sand Canyon Avenue
Irvine, California
92618

Attn: Eric Akiyoshi, PE

Subject: Fee Proposal to Provide Professional Services – Detailed Condition Assessment of Steel Tanks
(PR 12252 & 12254)

Dear Eric Akiyoshi,

V&A Consulting Engineers (V&A) is pleased to submit this fee proposal for the Irvine Ranch Water District's (IRWD) Request for Proposal (RFP) for Detailed Condition Assessment of Steel Tanks. Our proposal is submitted separately as required per the subject RFP.

Attached is a fee estimate summary and detailed Resource Allocations Estimate (RAE) presenting V&A's cost services on a per hour or per item basis that was used to develop the cost estimate for each task as presented in Section IV. E. Budget of the proposal. Hourly rate schedules for the proposed V&A project team members. Per the RFP, the following items were considered when developing the fee proposal:

- Compensation is based on an hourly rate plus reimbursables with a not-to-exceed upper limit unless authorized by IRWD.
- Fee proposal includes a breakdown of labor hours by employee billing classification and the cost of non-labor services. The breakdown shown in the attached table corresponds to the Scope of Work outlined in Section A of the proposal.
- The Fee Proposal and RAE as presented does not include the cost for this optional task for erection of scaffolding. However, the fee proposal and RAE does include an optional task to perform cathodic protection surveys for all 14 tanks. The total estimated cost is **\$278,119**.

By signature of this letter, we commit that IRWD will receive our full corporate support and necessary resources to provide professional services for Detailed Condition Assessment for Steel Tanks. As the President, I am duly authorized to contractually bind V&A Consulting Engineers, Inc. This cost proposal presented to the IRWD is valid for 90 days as of the date of this letter. We look forward to discussing our proposed Scope of Work and Fee Estimate in detail with IRWD.

If you have any questions regarding the proposal presented, please feel free to contact me at 619.436.5789 or dkaye@vaengineering.com or Brian Briones, Southwest Regional Manager at 619.322.1272 or bbriones@vaengineering.com. On behalf of our staff, we would like to thank you for the opportunity to be of service to Irvine Ranch Water District.

Sincerely,

V&A Consulting Engineers, Inc.

Debra Kaye, PE
President

Brian Briones, PE
Southwest Regional Manager



Resource Allocation Estimate

JOB NO: 22-0061

6/17/2022

CLIENT: Irvine Ranch Water District

PROJECT NAME: Detailed Condition Assessment of Steel Tanks

Task	Description	Principal-in-Charge	Senior Project Manager	Project Manager	Project Engineer	Associate Engineer	Engineering Assistant	Project Admin/Clerical	Total Labor Hours	Subtotal Labor Cost	Subtotal ODC	Total Labor Cost and ODC by Task
1	Project Management	4	18	25				24	71	\$ 14,508.00		\$ 14,508.00
2	Conditon Assessment		6	122	146	156	128		558	\$109,836.00	\$ 46,985.00	\$ 156,821.00
3	Capital Project Packaging and Prioritization	4	10	22	84			4	124	\$ 27,318.00		\$ 27,318.00
4	Final Report Deliverables	2	8	28	84	24		4	150	\$ 32,162.00		\$ 32,162.00
5	Optional Task - Cathodic Protection Surveys		2		92	16	92		202	\$ 35,726.00	\$ 11,584.00	\$ 47,310.00
	Subtotal Direct Labor Hours	10	44	197	406	196	220	32	1105			
	Hourly	\$ 305.00	\$ 267.00	\$ 250.00	\$ 209.00	\$ 187.00	\$ 141.00	\$ 93.00				
	Subtotal Direct Labor Cost	\$ 3,050.00	\$ 11,748.00	\$ 49,250.00	\$ 84,854.00	\$ 36,652.00	\$ 31,020.00	\$ 2,976.00		\$219,550.00	\$ 58,569.00	\$ 278,119.00
Other Direct Costs		Unit Cost	Units	No. of Units							Subtotal ODC	
	CSE Truck & Equip	\$ 130.00	per day	23							\$ 2,990.00	
	Mileage	\$ 0.59	per mile	1000							\$ 585.00	
	Quanix DFT Gauge (up to 200 mils)	\$ 200.00	per day	13							\$ 2,600.00	
	Olympus 38DL/Epoch XT UT Gauge	\$ 85.00	per day	13							\$ 1,105.00	
	4-Gas Confined Space Meter	\$ 50.00	per day	13							\$ 650.00	
	12,000 CFM Trailer Mounted Ventilation Blower	\$ 350.00	per day	13							\$ 4,550.00	
	Drone with Inspection Camera	\$ 250.00	per day	13							\$ 3,250.00	
	Prevailing Wage Markup	25%	percentage of labor cost	\$ 116,856.00							\$ 29,214.00	
	Hotel	\$ 200.00	per night	46							\$ 9,200.00	
	Per Diem	\$ 75.00	per day	59							\$ 4,425.00	
	Subcontractor - Scaffolding (cost+10%)	\$ -	per tank	0							\$ -	
	Subtotal Other Direct Costs										\$ 58,569.00	
GRAND TOTAL ESTIMATED COST												\$ 278,119.00

Resource Allocation Estimate

JOB NO: 22-0061

6/17/2022

CLIENT: Irvine Ranch Water District

PROJECT NAME: Detailed Condition Assessment of Steel Tanks

Task Item		Labor									ODCs													
Task	Description	Principal-In-Charge	Senior Project Manager	Project Manager	Project Engineer	Associate Engineer	Engineering Assistant	Project Admin/Clerical	Total Labor Hours	Subtotal Labor Cost	CSE Truck & Equip (per day)	Mileage (per mile)	Quanix DFT Gauge (up to 200 miles) (per day)	Olympus 38DL/ Epoch XT UT Gauge (per day)	4-Gas Confined Space Meter (per day)	12,000 CFM Trailer Mounted Ventilation Blower (per day)	Drone with Inspection Camera (per day)	Prevailing Wage Markup (percentage of labor cost)	Hotel (per night)	Per Diem (per day)	Subcontractor - Scaffolding (cost+10%) (per tank)	Subtotal ODC	Total Cost by Task	
1	Project Management	4	18	25	0	0	0	24	71	\$ 14,508.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,508.00
	Project Setup	2	1					4	7	\$ 1,249.00												\$ -	\$ 1,249.00	
	DIR Coordination		1					10	11	\$ 1,197.00												\$ -	\$ 1,197.00	
	Invoicing		6					6	12	\$ 2,160.00												\$ -	\$ 2,160.00	
	Bi-Weekly Status Reports			13					13	\$ 3,250.00												\$ -	\$ 3,250.00	
	QAQC	2	4					4	10	\$ 2,050.00												\$ -	\$ 2,050.00	
	Kickoff Meeting		2	4					6	\$ 1,534.00												\$ -	\$ 1,534.00	
	Draft Condition Assessment Meeting		2	4					6	\$ 1,534.00												\$ -	\$ 1,534.00	
	Final Condition Assessment Meeting		2	4					6	\$ 1,534.00												\$ -	\$ 1,534.00	
2	Conditon Assessment	0	6	122	146	156	128	0	558	\$ 109,836.00	\$1,690.00	\$ 351.00	\$2,600.00	\$ 1,105.00	\$ 650.00	\$ 4,550.00	\$3,250.00	\$ 21,514.00	\$ 7,600.00	\$ 3,675.00	\$ -	\$ 46,985.00	\$ 156,821.00	
	Document Review			6	18				24	\$ 5,262.00												\$ -	\$ 5,262.00	
	First Mobilization (5 tanks, total capacity of 2.28 MG)								0	\$ -												\$ -	\$ -	
	Coordination, Equipment Prep, Data		2		4	20	4		30	\$ 5,674.00												\$ -	\$ 5,674.00	
	Travel			4	4		4		12	\$ 2,400.00												\$ -	\$ 2,400.00	
	Field Work (2.5 days, 3-person crew)			24	24		24		72	\$ 14,400.00	3	200	3	3	3	3	3	\$ 16,800.00	6	9		\$ 9,387.00	\$ 23,787.00	
	Second Mobilization (5 tanks, total capacity of ~18.6 MG)								0	\$ -												\$ -	\$ -	
	Coordination, Equipment Prep, Data		2		4	24	4		34	\$ 6,422.00												\$ -	\$ 6,422.00	
	Travel			4	4	4	4		16	\$ 3,148.00												\$ -	\$ 3,148.00	
	Field Work (5 days, 4-person crew)			40	40	40	40		160	\$ 31,480.00	5	200	5	5	5	5	5	\$ 34,628.00	16	20		\$ 18,799.00	\$ 50,279.00	
	Third Mobilization (5 tanks, total capacity of ~18.6 MG)								0	\$ -												\$ -	\$ -	
	Coordination, Equipment Prep, Data		2		4	24	4		34	\$ 6,422.00												\$ -	\$ 6,422.00	
	Travel			4	4	4	4		16	\$ 3,148.00												\$ -	\$ 3,148.00	
	Field Work (5 days, 4-person crew)			40	40	40	40		160	\$ 31,480.00	5	200	5	5	5	5	5	\$ 34,628.00	16	20		\$ 18,799.00	\$ 50,279.00	
3	Capital Project Packaging and Prioritization	4	10	22	84	0	0	4	124	\$ 27,318.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,318.00	
	Develop Capital Improvement Project Packages	2	8	16	56			4	86	\$ 18,822.00												\$ -	\$ 18,822.00	
	Prioritize Recommended Capital Improvements	2	2	6	28				38	\$ 8,496.00												\$ -	\$ 8,496.00	
4	Final Report Deliverables	2	8	28	84	24	0	4	150	\$ 32,162.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,162.00	
	Draft Report	2	6	24	72	24		4	132	\$ 28,120.00												\$ -	\$ 28,120.00	
	Final Report		2	4	12				18	\$ 4,042.00													\$ 4,042.00	
5	Optional Task - Cathodic Protection Surveys	0	2	0	92	16	92	0	202	\$ 35,726.00	\$1,300.00	\$ 234.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,700.00	\$ 1,600.00	\$ 750.00	\$ -	\$ 11,584.00	\$ 47,310.00	
	Tanks Cathodic Protection Surveys								0	\$ -												\$ -	\$ -	
	Coordination, Equipment Prep, Data		2		4	16	4		26	\$ 4,926.00												\$ -	\$ 4,926.00	
	Travel (2 mobilizations)				8		8		16	\$ 2,800.00												\$ -	\$ 2,800.00	
	Field Work (5 days, 2-person crew)				80		80		160	\$ 28,000.00	10	400						\$ 30,800.00	8	10		\$ 11,584.00	\$ 39,584.00	
	Units	10	44	197	406	196	220	32	1105		23	1000	13	13	13	13	13	116856	46	59	0			
	Rate	\$ 305.00	\$ 267.00	\$ 250.00	\$ 209.00	\$ 187.00	\$ 141.00	\$ 93.00			\$ 130.00	\$ 0.59	\$ 200.00	\$ 85.00	\$ 50.00	\$ 350.00	\$ 250.00	\$ 0.25	\$ 200.00	\$ 75.00	\$ -			
	Total	\$ 3,050.00	\$ 11,748.00	\$ 49,250.00	\$ 84,854.00	\$ 36,652.00	\$ 31,020.00	#####		\$ 219,550.00	\$ 2,990.00	\$ 585.00	\$ 2,600.00	\$ 1,105.00	\$ 650.00	\$ 4,550.00	\$ 3,250.00	\$ 29,214.00	\$ 9,200.00	\$ 4,425.00	\$ -	\$ 58,569.00	\$ 278,119.00	

August 22, 2022

Prepared and

submitted by: T. Mitcham

Approved by: Paul A. Cook 

CONSENT CALENDAR

RENEWAL OF GROUP MEDICAL, DENTAL, VISION AND ANCILLARY PLAN SERVICES FOR CALENDAR YEAR 2023

SUMMARY:

IRWD contracts with the California Public Employees' Retirement System (CalPERS) and Burnham, a brokerage service to market, negotiate, and implement its employee benefits programs. IRWD's employee benefits plan includes medical and dental benefits, and ancillary benefits such as flexible spending accounts, employee assistance programs, long-term disability, life insurance, and accidental death and dismemberment. Staff recommends the Board approve the following:

- Continue IRWD's health insurance coverage with the California Public Employees' Retirement System (CalPERS) with changes in District and employee contribution rates as outlined in Exhibit "A";
- Contract directly with Delta Dental insurance instead of through the Association of California Water Agencies/Joint Powers Insurance Authority (ACWA/JPIA) and increase the calendar year maximum;
- Continue the District's vision insurance coverage with EyeMed and increase the calendar year allowance;
- Discontinue the voluntary Delta Dental and EyeMed buy-up plans and merge into one plan offering with improved benefits;
- Renew the District's term life, accidental death and dismemberment (AD&D), long-term disability (LTD) and Employee Assistance Program coverage with Reliance Standard;
- Continue the District's Flexible Spending Account (FSA), Health Reimbursement Arrangement (HRA), COBRA and Commuter Benefits administrator, Chard Snyder; and
- Continue the District's Employee Assistance Program (EAP) through REACH.

BACKGROUND:

Below is a description of the medical, dental, vision, and other insurance coverage and related employee benefits. Provided as Exhibit "A" are the CalPERS Medical Premium and IRWD Contribution Rates. Provided as Exhibit "B" is the IRWD 2023 Renewal and Marketing Results and CalPERS Update provided by Burnham, the District's brokerage service.

CalPERS Medical Coverage:

IRWD contracts with the CalPERS medical insurance program to provide medical insurance coverage for District employees. Each year, in advance of the annual insurance benefit open enrollment period, the District receives the premium rates for each health insurance plan for the

upcoming calendar year. The health care rate and plan changes for 2023 include an overall premium increase of 6.75%, with the average premium increase for the CalPERS Basic Health Maintenance Organization (HMO) plans at 4.35% and the average premium increase for the Preferred Provider Organization (PPO) Basic plans at 15.76%. CalPERS attributed drivers for the overall 2023 premium increase to medical inflation, pharmaceutical inflation, and buydown adjustments to premiums made in 2022. For the 2023 calendar year, CalPERS has notified the District of premium rate changes for each of the specific plans from which IRWD employees may choose.

Employer Health Insurance Contribution Rates:

IRWD has a long-standing practice of calculating the employer and employee contribution rates for health insurance premiums based on rates of the PPO plan which had the highest enrollment in the prior renewal year. The rates for this plan are then used to calculate the maximum District contribution rates for all plans offered. In 2022, the PPO plan with the highest enrollment was (again) the PERS Platinum PPO. Applying the final approved 2023 CalPERS premium rates to IRWD's current enrollment by tier, plan and region results in an estimated 6% increase in premiums.

Dental Coverage:

IRWD's current employee dental insurance coverage is provided by Delta Dental Plan of California through ACWA/JPIA. IRWD currently contracts through ACWA/JPIA for the PPO plan with child and adult orthodontic coverage as an add-on and a Delta Dental voluntary employee-purchase buy-up plan as an additional dental insurance option for employees. For FY 2022, the District paid \$456,294 for dental premiums. The ACWA/JPIA negotiated rates with Delta Dental for the calendar year 2023, resulted in no change to premiums for the PPO plan.

For the 2023 plan year, staff is recommending IRWD contract with Delta Dental directly for an enhanced dental plan and discontinue the contract with ACWA/JPIA. The enhanced dental plan will result in one plan offering with no waiting period and a \$250 increase to the annual calendar year maximum. Contracting directly with Delta Dental will enable IRWD to receive claim experience based on our employees' use of the plan. Additionally, there will be no commissions or fees paid to ACWA/JPIA with the direct agreement.

IRWD's 2023 monthly premium rates for the direct PPO plan with Delta Dental with child and adult orthodontic coverage, no waiting period, and an increase to the calendar year maximum to \$1,750, will be \$39.35 for "employee only" coverage, \$78.99 for "employee +1" coverage, and \$151.41 for "employee + family" coverage. With the increase to the annual maximum allowance, staff recommends discontinuing the buy-up plan due to low employee enrollment. This enhanced plan will result in an overall gross premium increase of 11.2%, approximately \$50,000 annually. These rates are guaranteed for two years, from January 1, 2023, through December 31, 2024.

Vision Coverage:

IRWD's current employee vision insurance coverage is provided by EyeMed. The 2023 negotiated annual premium rate will remain at \$87,978 for the base plan if no plan changes are made. An overall gross premium increase of 0.8% (\$700) will apply if the District-provided base vision insurance plan and the employee-paid buy-up plans are consolidated. The premium change will also include an increase in the annual allowance from \$140 to \$170 for frames and from \$155 to \$160 for contact lenses. As a result of the proposed enhanced base plan benefit, staff recommends discontinuing the voluntary employee-purchase buy-up plan due to low employee enrollment.

The District's 2023 monthly premium rates for the enhanced vision insurance will be \$9.27 for "employee only" coverage, \$17.63 for "employee +1" coverage, and \$25.85 for "employee + family" coverage. These rates will be guaranteed for four years from January 1, 2023, through December 31, 2026.

Term Life, AD&D, LTD Insurance Coverage and Employee Assistance Program:

IRWD's current employee Term Life and AD&D insurance coverage is provided by Reliance Standard. The 2023 negotiated renewal for IRWD included a Long-Term Disability (LTD) and Employee Assistance Program (EAP) bundle is 2.9% below the current costs, which will result in a savings of about \$11,000. Reliance Standard has also committed to reducing the premiums further if IRWD offers two or more lines of voluntary coverage, such as voluntary life, accident, hospital, and critical illness. This total savings over the current premiums would be \$16,844, with a rate guarantee for three years if five of our employees enroll in the voluntary coverage options. Also negotiated was an increase in the guaranteed issue amount from \$100,000 to \$150,000 which will enable employees to increase their voluntary life coverage without going through medical underwriting.

FSA, HRA, COBRA, and TRP Administration:

IRWD contracts with third-party benefits administrator Chard Snyder for its FSA, HRA, COBRA, and TRP plans. The District's Retiree Health Cost Assistance Program (RHCRP) is one of the plans administered through Chard Snyder. The plan provides qualified IRWD retirees and former Board members with a monthly monetary credit towards reimbursement of qualified retiree medical and health care expenses. All coverages under Chard Snyder are currently in a five-year rate guarantee through December 31, 2023. A reduction in the COBRA Administration fee to \$0.60 was negotiated, which will result in an annual savings of \$715.

Staff recommends the Board:

- Continue IRWD's health insurance coverage with CalPERS for the calendar year 2023 with changes in District and employee contribution rates as outlined in Exhibit "A";
- Contract with Delta Dental directly for an enhanced dental plan and discontinue the contract with ACWA/JPIA for calendar year 2023;

- Discontinue the voluntary Delta Dental and EyeMed buy-up plans for employee purchase for the 2023 plan year;
- Extend IRWD's existing contract with EyeMed for vision insurance with an increase to the annual allowance for the 2023 plan year;
- Extend IRWD's existing contract with Reliance Standard to include Term Life, AD&D, LTD, EAP and two or more voluntary plan benefits;
- Continue to offer FSA, HRA, COBRA, and TRP ancillary benefits through Chard Snyder; and
- Continue the District's Employee Assistance Program (EAP) through REACH.

Open Enrollment Process for 2023:

The CalPERS health insurance open enrollment period is scheduled for September 19, 2022, through October 14, 2022. Due to COVID-19, the Human Resources Department will only be able to host an in-person Wellness and Open Enrollment Expo at one location this year. The event will be held at Sand Canyon on September 28, 2022, and the health insurance plan representatives have been invited to participate in the event.

FISCAL IMPACTS:

The continuation of the CalPERS medical insurance plans will result in total projected expenses for FY 2022-23 of \$7,100,000. The annual dental insurance premium rates for the direct Delta Dental DPO Plan for FY 2022-23 will be approximately \$500,400. The annual vision insurance premium rates for FY 2022-23 with the increased yearly allowance will be approximately \$89,000. Renewal of the Reliance Standard Term Life, and AD&D, with the bundled LTD plan, EAP, and two or more lines of voluntary coverage will result in an overall cost decrease of 2.9% for one year, with a savings of \$16,844 and a three-year rate guarantee with the enrollment of five employees into voluntary plans. The annual Term Life, AD&D, LTD insurance, and EAP premium rates for FY 2022-23 will be approximately \$368,015. Renewal of the FSA, HRA, COBRA, and TRP administration fees through Chard Snyder will be \$17,500 for FY 2022-2023. The total estimated cost for the 2023 annual premiums is \$8,074,915.

The CalPERS Public Employees' Medical and Hospital Care Act (PEMHCA) administrative fee increased from 0.25% to 0.33% for FY2022-23 starting on July 1, 2022. This fee is calculated on total active and retiree gross health premiums and billed to contracting agencies monthly.

There is sufficient funding in the 2022-23 budget to accommodate the costs.

ENVIRONMENTAL COMPLIANCE:

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

COMMITTEE STATUS:

This item was reviewed by the Finance and Personnel Committee on August 9, 2022.

RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE CONTINUATION OF IRWD'S HEALTH INSURANCE COVERAGE WITH CALPERS WITH CHANGES IN DISTRICT AND EMPLOYEE CONTRIBUTION RATES AS OUTLINED IN EXHIBIT "A"; AUTHORIZE THE DISCONTINUATION OF THE DISTRICT'S DENTAL INSURANCE COVERAGE WITH ACWA/JPIA AND CHANGE TO DELTA DIRECT WITH A 11.2% INCREASE IN PREMIUM RATES; AUTHORIZE THE CONTINUATION OF THE DISTRICT'S VISION INSURANCE COVERAGE WITH EYEMED WITH A 0.8% INCREASE IN PREMIUM RATES; AUTHORIZE THE DISCONTINUATION OF VOLUNTARY DELTA DENTAL AND EYEMED BUY-UP PLANS FOR EMPLOYEE PURCHASE; AUTHORIZE THE RENEWAL OF THE DISTRICT'S EMPLOYEE ASSISTANCE PROGRAM WITH REACH; AUTHORIZE THE TERM LIFE, ACCIDENTAL DEATH AND DISMEMBERMENT, LONG-TERM DISABILITY AND EMPLOYEE ASSISTANCE PROGRAM COVERAGE WITH RELIANCE STANDARD; AND AUTHORIZE THE CONTINUATION OF THE FLEXIBLE SPENDING ACCOUNT, HEALTH REIMBURSEMENT ARRANGEMENT, COBRA AND COMMUTER BENEFITS ADMINISTRATOR CHARD SNYDER.

LIST OF EXHIBITS:

Exhibit "A" – CalPERS Medical Premium and IRWD Contribution Rates

Exhibit "B" – IRWD 2023 Renewal and Marketing Results and CalPERS Update

Note: This page is intentionally left blank.

Exhibit "A"

REGION 2 - ORANGE AND SAN DIEGO COUNTIES							
Health Plan	Number of Employees Enrolled in 2022	2022 Plan Year			2023 Plan Year		
		Premium Rates	Employee Monthly Contribtuion	IRWD Monthly Contribution	Premium Rates	Employee Monthly Contribtuion	IRWD Monthly Contribution
Anthem Blue Cross Select HMO	14						
Employee Only		\$712.43	\$0.00	\$712.43	\$765.37	\$0.00	\$765.37
Employee + 1		\$1,424.86	\$0.00	\$1,424.86	\$1,530.74	\$0.00	\$1,530.74
Employee + Family		\$1,852.32	\$0.00	\$1,852.32	\$1,989.96	\$0.00	\$1,989.96
Anthem Blue Cross Traditional HMO	2						
Employee Only		\$1,007.13	\$213.17	\$793.96	\$935.12	\$21.80	\$913.32
Employee + 1		\$2,014.26	\$426.34	\$1,587.92	\$1,870.24	\$43.60	\$1,826.64
Employee + Family		\$2,618.54	\$554.24	\$2,064.30	\$2,431.31	\$56.68	\$2,374.63
Blue Shield Access+ HMO	9						
Employee Only		\$900.22	\$106.26	\$793.96	\$842.61	\$0.00	\$842.61
Employee + 1		\$1,800.44	\$212.52	\$1,587.92	\$1,685.22	\$0.00	\$1,685.22
Employee + Family		\$2,340.57	\$276.27	\$2,064.30	\$2,190.79	\$0.00	\$2,190.79
Blue Shield Trio HMO	7						
Employee Only		\$742.70	\$0.00	\$742.70	\$760.71	\$0.00	\$760.71
Employee + 1		\$1,485.40	\$0.00	\$1,485.40	\$1,521.42	\$0.00	\$1,521.42
Employee + Family		\$1,931.02	\$0.00	\$1,931.02	\$1,977.85	\$0.00	\$1,977.85
Health Net Salud Y Mas	0						
Employee Only		\$548.26	\$0.00	\$548.26	\$698.91	\$0.00	\$698.91
Employee + 1		\$1,096.52	\$0.00	\$1,096.52	\$1,397.82	\$0.00	\$1,397.82
Employee + Family		\$1,425.48	\$0.00	\$1,425.48	\$1,817.17	\$0.00	\$1,817.17
Health Net SmartCare	0						
Employee Only		\$845.69	\$51.73	\$793.96	\$834.65	\$0.00	\$834.65
Employee + 1		\$1,691.38	\$103.46	\$1,587.92	\$1,669.30	\$0.00	\$1,669.30
Employee + Family		\$2,198.79	\$134.49	\$2,064.30	\$2,170.09	\$0.00	\$2,170.09
Kaiser Permanente	141						
Employee Only		\$706.02	\$0.00	\$706.02	\$756.21	\$0.00	\$756.21
Employee + 1		\$1,412.04	\$0.00	\$1,412.04	\$1,512.42	\$0.00	\$1,512.42
Employee + Family		\$1,835.65	\$0.00	\$1,835.65	\$1,966.15	\$0.00	\$1,966.15
Sharp Performance Plus	0						
Employee Only		\$699.21	\$0.00	\$699.21	\$764.96	\$0.00	\$764.96
Employee + 1		\$1,398.42	\$0.00	\$1,398.42	\$1,529.92	\$0.00	\$1,529.92
Employee + Family		\$1,817.95	\$0.00	\$1,817.95	\$1,988.90	\$0.00	\$1,988.90
United Healthcare Alliance	24						
Employee Only		\$775.09	\$0.00	\$775.09	\$793.63	\$0.00	\$793.63
Employee + 1		\$1,550.18	\$0.00	\$1,550.18	\$1,587.26	\$0.00	\$1,587.26
Employee + Family		\$2,015.23	\$0.00	\$2,015.23	\$2,063.44	\$0.00	\$2,063.44
United Healthcare Harmony	2						
Employee Only		\$782.74	\$0.00	\$782.74	\$781.58	\$0.00	\$781.58
Employee + 1		\$1,565.48	\$0.00	\$1,565.48	\$1,563.16	\$0.00	\$1,563.16
Employee + Family		\$2,035.12	\$0.00	\$2,035.12	\$2,032.11	\$0.00	\$2,032.11
PERS Gold	32						
Employee Only		\$587.78	\$0.00	\$587.78	\$695.93	\$0.00	\$695.93
Employee + 1		\$1,175.56	\$0.00	\$1,175.56	\$1,391.86	\$0.00	\$1,391.86
Employee + Family		\$1,528.23	\$0.00	\$1,528.23	\$1,809.42	\$0.00	\$1,809.42
PERS Platinum	61						
Employee Only		\$882.18	\$88.22	\$793.96	\$1,014.80	\$101.48	\$913.32
Employee + 1		\$1,764.36	\$176.44	\$1,587.92	\$2,029.60	\$202.96	\$1,826.64
Employee + Family		\$2,293.67	\$229.37	\$2,064.30	\$2,638.48	\$263.85	\$2,374.63

REGION 3 - LOS ANGELES, RIVERSIDE AND SAN BERNARDINO COUNTIES

Health Plan	Number of Employees Enrolled in 2022	2022 Plan Year			2023 Plan Year		
		Premium Rates	Employee Monthly Contribtuion	IRWD Monthly Contribution	Premium Rates	Employee Monthly Contribtuion	IRWD Monthly Contribution
Anthem Blue Cross Select HMO	4						
Employee Only		\$676.48	\$0.00	\$676.48	\$737.91	\$0.00	\$737.91
Employee + 1		\$1,352.96	\$0.00	\$1,352.96	\$1,475.82	\$0.00	\$1,475.82
Employee + Family		\$1,758.85	\$0.00	\$1,758.85	\$1,918.57	\$0.00	\$1,918.57
Anthem Blue Cross Traditional HMO	0						
Employee Only		\$935.57	\$141.61	\$793.96	\$942.73	\$29.41	\$913.32
Employee + 1		\$1,871.14	\$283.22	\$1,587.92	\$1,885.46	\$58.82	\$1,826.64
Employee + Family		\$2,432.48	\$368.18	\$2,064.30	\$2,451.10	\$76.47	\$2,374.63
Blue Shield Access+ HMO	9						
Employee Only		\$779.87	\$0.00	\$779.87	\$738.29	\$0.00	\$738.29
Employee + 1		\$1,559.74	\$0.00	\$1,559.74	\$1,476.58	\$0.00	\$1,476.58
Employee + Family		\$2,027.66	\$0.00	\$2,027.66	\$1,919.55	\$0.00	\$1,919.55
Blue Shield Trio HMO	0						
Employee Only		\$668.13	\$0.00	\$668.13	\$661.49	\$0.00	\$661.49
Employee + 1		\$1,336.26	\$0.00	\$1,336.26	\$1,322.98	\$0.00	\$1,322.98
Employee + Family		\$1,737.14	\$0.00	\$1,737.14	\$1,719.87	\$0.00	\$1,719.87
Health Net Salud Y Mas	0						
Employee Only		\$463.87	\$0.00	\$463.87	\$606.34	\$0.00	\$606.34
Employee + 1		\$927.74	\$0.00	\$927.74	\$1,212.68	\$0.00	\$1,212.68
Employee + Family		\$1,206.06	\$0.00	\$1,206.06	\$1,576.48	\$0.00	\$1,576.48
Health Net SmartCare	4						
Employee Only		\$764.96	\$0.00	\$764.96	\$755.29	\$0.00	\$755.29
Employee + 1		\$1,529.92	\$0.00	\$1,529.92	\$1,510.58	\$0.00	\$1,510.58
Employee + Family		\$1,988.90	\$0.00	\$1,988.90	\$1,963.75	\$0.00	\$1,963.75
Kaiser Permanente	48						
Employee Only		\$719.78	\$0.00	\$719.78	\$754.64	\$0.00	\$754.64
Employee + 1		\$1,439.56	\$0.00	\$1,439.56	\$1,509.28	\$0.00	\$1,509.28
Employee + Family		\$1,871.43	\$0.00	\$1,871.43	\$1,962.06	\$0.00	\$1,962.06
United Healthcare Alliance	4						
Employee Only		\$771.85	\$0.00	\$771.85	\$790.46	\$0.00	\$790.46
Employee + 1		\$1,543.70	\$0.00	\$1,543.70	\$1,580.92	\$0.00	\$1,580.92
Employee + Family		\$2,006.81	\$0.00	\$2,006.81	\$2,055.20	\$0.00	\$2,055.20
United Healthcare Harmony	0						
Employee Only		\$714.28	\$0.00	\$714.28	\$713.55	\$0.00	\$713.55
Employee + 1		\$1,428.56	\$0.00	\$1,428.56	\$1,427.10	\$0.00	\$1,427.10
Employee + Family		\$1,857.13	\$0.00	\$1,857.13	\$1,855.23	\$0.00	\$1,855.23
PERS Gold	5						
Employee Only		\$575.56	\$0.00	\$575.56	\$680.37	\$0.00	\$680.37
Employee + 1		\$1,151.12	\$0.00	\$1,151.12	\$1,360.74	\$0.00	\$1,360.74
Employee + Family		\$1,496.46	\$0.00	\$1,496.46	\$1,768.96	\$0.00	\$1,768.96
PERS Platinum	15						
Employee Only		\$863.37	\$69.41	\$793.96	\$992.59	\$79.27	\$913.32
Employee + 1		\$1,726.74	\$138.82	\$1,587.92	\$1,985.18	\$158.54	\$1,826.64
Employee + Family		\$2,244.76	\$180.46	\$2,064.30	\$2,580.73	\$206.10	\$2,374.63



Irvine Ranch Water District 2023 Renewal and Marketing Results and CalPERS Update

DATE:

August 22, 2022

www.burnhambenefits.com



2023 Marketing Overview

Benefit	Follow up items/Requests	Carrier/Vendor
Dental	- Requested pricing for one plan vs two - Requested alternate plan design options - increasing the calendar year max - Removal of waiting periods	- Delta (Direct) – Updated Proposal - Single plan option - Annual Maximum increase to \$1,750 - Removal of waiting periods 2-year rate guarantee 11.2% above current (\$50,000)
Vision	Requested pricing for one plan vs two	- EyeMed – Updated Proposal - Single plan option - Increase frame allowance to \$170 / contact allowance to \$160 4-year rate guarantee 0.8% above current (\$700)
Life	- Requested additional rate relief - Confirming suicide exclusions & grandfathering all current employees & coverages - Requested additional years for rate guarantees	Reliance Standard – no change
LTD	Requested additional rate relief	- Reliance Standard – Updated Proposal 10% below current (- \$11,000) 15% below current with the addition of two voluntary benefits + 3-year rate guarantee
FSA/COBRA/HRA	Illustrate marketing options	- Chard-Snyder decreased COBRA rate - Overall, 3.9% below current (\$715)
Other Benefits	- Requested worksite benefits: Accident, Critical Illness & Hospital - Requested voluntary life/add option	- Proposed Reliance Standard - Proposed Reliance Standard

2023 Renewal & Marketing Results Delta Dental

		ACWA Joint Powers Insurance Authority (JPIA)		Delta - Direct
		Current	Renewal	Proposed
Combined monthly premium		\$37,510	\$37,510	\$41,702
Combined annual premium		\$450,120	\$450,120	\$500,427
Annual relationship to current \$			\$0	\$50,307
Relationship to current %			0.0%	11.2%
Rate guarantee			1 year	2 Years
Total dental enrollment		389		
PPO		Delta PPO (BASE)		\$1,750 Max
Employee	83	\$35.36	\$35.36	\$39.35
Employee + 1	88	\$69.99	\$69.99	\$78.99
Employee + family	184	\$128.10	\$128.10	\$151.41
Monthly premium	355	\$32,664	\$32,664	\$41,702
Monthly relationship to current \$			\$0	\$9,038
Annual relationship to current \$			\$0	\$108,454
Relationship to current %			0.0%	27.7%
PPO		Delta Dental (BUY-UP)		
Employee	11	\$56.18	\$56.18	
Employee + 1	4	\$111.46	\$111.46	
Employee + family	19	\$199.04	\$199.04	
Monthly premium	34	\$4,846	\$4,846	
Monthly relationship to current \$			\$0	
Annual relationship to current \$			\$0	
Relationship to current %			0.0%	

2023 Renewal & Marketing Results EyeMed

		EyeMed		EyeMed	
		Current	Renewal	Proposed 3	
Combined monthly premium		\$7,331	\$7,331	\$7,390	
Combined annual premium		\$87,978	\$87,978	\$88,678	
Annual relationship to current \$			\$0	\$700	
Relationship to current %			0.0%	0.8%	
Rate guarantee		3 years		4 years	
Total dental enrollment		378		378	
PPO		EyeMed Vision (BASE)		\$170 Allowance	
Employee	91	\$8.69	\$8.69	101	\$9.27
Employee + 1	79	\$16.52	\$16.52	86	\$17.63
Employee + family	180	\$24.23	\$24.23	191	\$25.85
Monthly premium	350	\$6,457	\$6,457		\$7,390
Monthly relationship to current \$			\$0		\$933
Annual relationship to current \$			\$0		\$11,190
Relationship to current %			0.0%		14.4%
PPO		EyeMed Vision (BUY-UP)			
Employee	10	\$16.19	\$16.19		
Employee + 1	7	\$30.79	\$30.79		
Employee + family	11	\$45.16	\$45.16		
Monthly premium	28	\$874	\$874		
Monthly relationship to current \$			\$0		
Annual relationship to current \$			\$0		
Relationship to current %			0.0%		

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*Single option plan includes \$170 allowance for frames, \$160 allowance for contacts

2023 Renewal & Marketing Results Life and Disability

Combined monthly premium
Combined annual premium
Annual relationship to current \$
Relationship to current %

Basic life and AD&D

Life rate - per \$1,000
AD&D rate - per \$1,000
Dependent rate - \$6.75 per unit

Benefit amount

Class 1 - annual earnings greater than \$50k
Class 2 - annual earnings less than \$50k
Class 3 - Board Member
Class 4 - Retiree

Monthly total

Rate guarantee

Long term disability

Rate per \$100 of covered payroll

Benefits

Benefit percentage
Maximum monthly benefit

Monthly total

Rate guarantee

Current	Reliance Standard	
	Initial Renewal	Negotiated Renewal
\$31,598	\$31,598	\$30,668
\$379,179	\$379,179	\$368,015
	\$0	(\$11,164)
	0.0%	-2.9%
\$0.110	\$0.110	\$0.110
\$0.020	\$0.020	\$0.020
\$6.75	\$6.75	\$6.75
4x earnings, rounded to next \$1,000, up to \$1,000,000		
3x earnings, rounded to next \$1,000, up to \$150,000		
\$35,000		
1x earnings, rounded to next \$1,000, up to \$250,000		
\$22,295	\$22,295	\$22,295
	1 year	
\$0.285	\$0.285	\$0.257
	66.67%	
	\$10,000	
\$9,303	\$9,303	\$8,373
	1 year	

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Reliance Standard LTD rate will further reduce to \$0.242 (\$16,844 savings) with 2 or more VB lines + 3-year rate guarantee

CalPERS Update



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CalPERS HMO Rates – Region 2

2023 Final Rates

Region 2							
Fresno, Imperial, Inyo, Kern, Kings, Madera, Orange, San Diego, San Luis Obispo, Santa Barbara, Tulare, and Ventura Counties							
	2022			2023			
Plan	Single	2-Party	Family	Single	2-Party	Family	% Change
Anthem Blue Cross Select HMO	\$712.43	\$1,424.86	\$1,852.32	\$765.37	\$1,530.74	\$1,989.96	7.43%
Anthem Blue Cross Traditional HMO	\$1,007.13	\$2,014.26	\$2,618.54	\$935.12	\$1,870.24	\$2,431.31	-7.15%
Blue Shield Access+ HMO	\$900.22	\$1,800.44	\$2,340.57	\$842.61	\$1,685.22	\$2,190.79	-6.40%
Blue Shield Trio HMO	\$742.70	\$1,485.40	\$1,931.02	\$760.71	\$1,521.42	\$1,977.85	2.42%
Health Net Salud y Más	\$548.26	\$1,096.52	\$1,425.48	\$698.91	\$1,397.82	\$1,817.17	27.48%
Health Net SmartCare	\$845.69	\$1,691.38	\$2,198.79	\$834.65	\$1,669.30	\$2,170.09	-1.31%
Kaiser Permanente	\$706.02	\$1,412.04	\$1,835.65	\$756.21	\$1,512.42	\$1,966.15	7.11%
UnitedHealthCare SignatureValue Alliance	\$775.09	\$1,550.18	\$2,015.23	\$793.63	\$1,587.26	\$2,063.44	2.39%
UnitedHealthCare SignatureValue Harmony	\$782.74	\$1,565.48	\$2,035.12	\$781.58	\$1,563.16	\$2,032.11	-0.15%

[1] 2022 Premium reflects the first year of the two-year risk mitigation phase-in.

[2] 2023 Premium reflects the second year (full impact of risk mitigation) of the two-year risk mitigation phase-in.

CalPERS PPO Rates – Region 2

2023 Final Rates

Region 2							
Fresno, Imperial, Inyo, Kern, Kings, Madera, Orange, San Diego, San Luis Obispo, Santa Barbara, Tulare, and Ventura Counties							
	2022			2023			
Plan	Single	2-Party	Family	Single	2-Party	Family	% Change
PERS Gold	\$587.78	\$1,175.56	\$1,528.23	\$695.93	\$1,391.86	\$1,809.42	18.40%
PERS Platinum	\$882.18	\$1,764.36	\$2,293.67	\$1,014.80	\$2,029.60	\$2,638.48	15.03%
PORAC	\$775.00	\$1,550.00	\$2,010.00	\$820.00	\$1,650.00	\$2,100.00	5.81%

[1] 2022 Premium reflects the first year of the two-year risk mitigation phase-in.

[2] 2023 Premium reflects the second year (full impact of risk mitigation) of the two-year risk mitigation phase-in.

CalPERS HMO Rates – Region 3

2023 Final Rates

Region 3							
Los Angeles, Riverside, and San Bernardino Counties							
2022				2023			
Plan	Single	2-Party	Family	Single	2-Party	Family	% Change
Anthem Blue Cross Select HMO	\$676.48	\$1,352.96	\$1,758.85	\$737.91	\$1,475.82	\$1,918.57	9.08%
Anthem Blue Cross Traditional HMO	\$935.57	\$1,871.14	\$2,432.48	\$942.73	\$1,885.46	\$2,451.10	0.77%
Blue Shield Access+ HMO	\$779.87	\$1,559.74	\$2,027.66	\$738.29	\$1,476.58	\$1,919.55	-5.33%
Blue Shield Trio HMO	\$668.13	\$1,336.26	\$1,737.14	\$661.49	\$1,322.98	\$1,719.87	-0.99%
Health Net Salud y Más	\$463.87	\$927.74	\$1,206.06	\$606.34	\$1,212.68	\$1,576.48	30.71%
Health Net SmartCare	\$764.96	\$1,529.92	\$1,988.90	\$755.29	\$1,510.58	\$1,963.75	-1.26%
Kaiser Permanente	\$719.78	\$1,439.56	\$1,871.43	\$754.64	\$1,509.28	\$1,962.02	4.84%
UnitedHealthCare SignatureValue Alliance	\$771.85	\$1,543.70	\$2,006.81	\$790.46	\$1,580.92	\$2,055.20	2.41%
UnitedHealthCare SignatureValue Harmony	\$714.28	\$1,428.56	\$1,857.13	\$713.55	\$1,427.10	\$1,855.23	-0.10%

[1] 2022 Premium reflects the first year of the two-year risk mitigation phase-in.

[2] 2023 Premium reflects the second year (full impact of risk mitigation) of the two-year risk mitigation phase-in.

CalPERS PPO Rates – Region 3

2023 Final Rates

Region 3							
Los Angeles, Riverside, and San Bernardino Counties							
	2022			2023			
Plan	Single	2-Party	Family	Single	2-Party	Family	% Change
PERS Gold	\$575.56	\$1,151.12	\$1,496.46	\$680.37	\$1,360.74	\$1,768.96	18.21%
PERS Platinum	\$863.37	\$1,726.74	\$2,244.76	\$992.59	\$1,985.18	\$2,580.73	14.97%
PORAC	\$775.00	\$1,475.00	\$1,894.00	\$820.00	\$1,600.00	\$2,100.00	5.81%

[1] 2022 Premium reflects the first year of the two-year risk mitigation phase-in.

[2] 2023 Premium reflects the second year (full impact of risk mitigation) of the two-year risk mitigation phase-in.

August 22, 2022
Prepared by: C. Smithson
Submitted by: R. Jacobson / C. Clary
Approved by: Paul A. Cook 

ACTION CALENDAR

IRWD TRUST FUND GUIDING PRINCIPLES AND USE STRATEGIES

SUMMARY:

IRWD has fully funded its current pension liability through a combination of contributions to the California Public Employees' Retirement System (CalPERS) and its Section 115 Pension Benefits Trust (Trust). The Trust is irrevocable, and funds in the Trust can only be utilized for paying the District's retirement obligations. As of June 30, 2022, the Trust had an asset balance of \$94.8 million. Funding contributions from the Trust to CalPERS are made at the District's discretion.

At the meeting, staff will present updated principles to guide IRWD's approach to determine the eventual transfer of funds from the IRWD Retirement Trust to CalPERS. Staff recommends the Board approve the Trust Fund Guiding Principles and that no funds from IRWD's 115 Trust be transferred to CalPERS for FY 2022-23.

BACKGROUND:

IRWD recognizes that defined benefit plans and the related future pension obligations pose significant issues for many government agencies. The District has taken a proactive approach to address the issue and in 2013, established an irrevocable trust to substantially fund its CalPERS unfunded liability. Previously, the District's only option for committing additional funds to reduce its unfunded liability was to send the funds to CalPERS.

The Trust holds funding contributions for IRWD pending future remittance to the CalPERS pension trust fund which will be applied to retiree benefit payments associated with the plan. Future contributions will be transferred from the Trust to CalPERS at the District's discretion. As of June 30, 2022, the value of the assets in the Trust was \$94.8 million. The pension liability is currently fully funded including the Trust assets.

At the Retirement Board meeting on May 17, 2022 and the Finance and Personnel Committee meetings on June 7, 2022 and August 9, 2022, staff presented PowerPoint presentations which included the development of guiding principles to determine the appropriate and eventual transfer of assets from the Trust to CalPERS. Based on feedback from the Retirement Board and Committee, staff has updated the proposed guiding principles and will present an updated PowerPoint, a draft of which is attached as Exhibit "A". The draft presentation outlines the principles and models the practical application of the Trust Fund assets.

FISCAL IMPACTS:

No fiscal impact for FY 2022-23.

COMMITTEE STATUS:

This item was reviewed by the Finance and Personnel Committee on August 9, 2022 and June 7, 2022 and the Retirement Board on May 17, 2022.

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.

RECOMMENDATION:

THAT THE BOARD APPROVE THE IRWD 115 PENSION TRUST FUND GUIDING PRINCIPLES AND APPROVE NO TRANSFER OF FUNDS FROM THE IRWD 115 PENSION TRUST FUND TO CALPERS FOR FISCAL YEAR 2022-23.

LIST OF EXHIBITS:

Exhibit “A” – Draft PowerPoint Presentation

TRUST FUND GUIDING PRINCIPLES AND USE STRATEGIES

AUGUST 22, 2022



AGENDA

1. Review purpose of Guiding Principles
2. Present modified Guiding Principles
3. Summarize allowable uses of funds from the 115 Trust
4. Detail steps for implementing Guiding Principles
 - Minimum & maximum fund balance criteria
 - Fund balance modeling
5. Revisit proposed Guiding Principles
6. Staff recommendations

PURPOSE OF GUIDING PRINCIPLES

To guide IRWD's approach to determining the eventual transfer of funds from the IRWD 115 Retirement Trust to CalPERS.

MODIFIED GUIDING PRINCIPLES

1. Manage trust fund to align asset balances consistent with projected future liabilities
2. Maintain funds within target balance range:
 - Minimum: Not to fall below five years cumulative NC and UAL
 - ✓ When CalPERS UAL is fully funded, the fund balance will serve as a pension stabilization fund for unanticipated fluctuations in UAL and/or the normal costs.
 - Maximum: Not to exceed 15 years of cumulative estimated CalPERS UAL plus 15 years cumulative NC
3. The UAL adjusted annually based on updates from CalPERS
4. Review Trust Fund balances and uses annually with the F&P Committee

ANNUAL COMPREHENSIVE FINANCIAL REPORT

(\$ in thousands)

Fiscal Year ⁽¹⁾	Total Pension Liability	CalPERS Assets	Net Pension Liability/ (Asset)	Pension Benefits Trust Assets	CalPERS Assets as a Percentage of the Total Pension Liability	Pension Benefits Trust Assets as a Percentage of the Total Pension Liability	Total Pension Assets as a Percentage of the Total Pension Liability
06/30/20	\$ 291,334	\$ 222,867	\$ 68,467	\$ 78,389	76.5%	26.9%	103.4%
06/30/21	306,889	232,184	74,705	83,103	75.7%	27.0%	102.7%
06/30/22	323,148	283,306	39,842	107,930	87.7%	33.4%	121.1%

(1) As of the measurement date June 30, 2019, 2020, and 2021 respectively.

ALLOWABLE USES FOR THE PENSION BENEFITS TRUST

Funds from Trust can be applied to all costs associated with the District's CalPERS obligation including:

- Normal costs (NC) associated with annual payroll
- Unfunded accrued liability (UAL)
- Additional discretionary payments (ADP) to CalPERS to reduce the unfunded liability and
- Costs related to Trust Fund management

IRWD Board approval required for any fund transfers from the Pension Trust to CalPERS

STEPS TO IMPLEMENT GUIDING PRINCIPLES

1. Determine minimum and maximum target criteria within the Pension Trust by modeling Trust Balances under various scenarios
 - The maximum balance is targeted to avoid the misalignment of assets and projected future liabilities
 - The minimum balance is targeted to provide for pension rate stabilization
2. Model to determine minimum and maximum future fund balances
 - Input current fund balances and future return expectations
 - Input future liabilities (*Note: liabilities decreasing over the long term*)
3. Determine if fund transfers would occur and how much
4. Re-evaluate criteria annually

TARGET BALANCES

Targeted Maximum – Cumulative NC and UAL over 15 years

Based on CalPERS current remaining UAL timeline of 15 years

Targeted Minimum – Cumulative NC and UAL over 5 years

Provides a reasonable period for pension rate stabilization

(thousands)

		Targeted Maximum			Targeted Minimum		
		Over 15 Years		Maximum	Over 5 Years		Minimum
Fiscal Year	Year	NC	UAL	Balance	NC	UAL	Balance
2022-23	1	\$68,488	\$80,589	\$149,077	\$20,761	\$37,885	\$58,646
2023-24	2	\$70,078	\$72,491	\$142,569	\$21,328	\$35,982	\$57,310
2024-25	3	\$71,589	\$64,420	\$136,010	\$21,702	\$33,558	\$55,260
2025-26	4	\$73,224	\$56,358	\$129,582	\$22,076	\$31,347	\$53,422
2026-27	5	\$74,987	\$49,279	\$124,266	\$22,449	\$30,328	\$52,777
2031-32	10	\$86,000	\$18,951	\$104,951	\$24,364	\$17,607	\$41,971
2036-37	15	\$101,377	\$1,344	\$102,721	\$28,174	\$1,344	\$29,518

MODELING ASSUMPTIONS

Trust Fund Pension Benefit Modeling Inputs and Assumptions:

- Trust Fund Balance (as of 6/2022) \$95M
- Trust Fund Investment Rate of Return (going forward) 6.5%
- Annual increase for employee salaries (going forward) 3.5%
- UAL based on current CalPERS forecast
- No transfer of assets from the Pension Trust for FY 2022-23

SCENARIO 1- NO TRANSFER OF ASSETS TO CALPERS

			Trust Fund	
Fiscal Year	Year	Annual NC & UAL	No Usage	Fund Balance
2022-23	1	\$11,946	\$0	\$101,175
2023-24	2	\$12,187	\$0	\$107,751
2024-25	3	\$12,253	\$0	\$114,755
2025-26	4	\$11,345	\$0	\$122,214
2026-27	5	\$10,916	\$0	\$130,158
2031-32	10	\$9,055	\$0	\$178,328
2036-37	15	\$6,598	\$0	\$244,325

Earnings: \$11.6M

Earnings: \$15.9M

Note: fund growth diverging from annual costs.

SCENARIO 2 - USE OF TRUST FUND TO ACHIEVE TARGET MAXIMUM FUND BALANCE

(thousands)

			Trust Fund		
Fiscal Year	Year	Annual NC & UAL	Exceeds Maximum	Fund Balance	Maximum Balance
2022-23	1	\$11,946	\$0	\$101,175	\$149,077
2023-24	2	\$12,187	\$0	\$107,751	\$142,569
2024-25	3	\$12,253	\$0	\$114,755	\$136,010
2025-26	4	\$11,345	\$0	\$122,214	\$129,582
2026-27	5	\$10,916	(\$5,892)	\$124,266	\$124,266
2031-32	10	\$9,055	(\$9,055)	\$104,951	\$104,951
2036-37	15	\$6,598	(\$5,748)	\$102,721	\$102,721

SCENARIO 3- USE OF TRUST FUND TO ACHIEVE TARGET MINIMUM FUND BALANCE

(thousands)

			Trust Fund		
Fiscal Year	Year	Annual NC & UAL	Uses	Fund Balance	Minimum Balance
2022-23	1	\$11,946	\$0	\$101,175	\$58,646
2026-27	5	\$10,916	(\$5,892)	\$124,266	\$52,777
2031-32	10	\$9,055	(\$9,055)	\$104,951	\$41,971
2036-37	15	\$6,598	(\$5,748)	\$102,721	\$29,518
2041-42	20	\$6,240	(\$6,240)	\$101,772	\$33,462
2046-47	25	\$7,411	(\$7,411)	\$100,169	\$39,742

Uses match
Annual NC & UAL.

PROPOSED GUIDING PRINCIPLES

1. Manage trust fund to align asset balances consistent with projected future liabilities
2. Maintain funds within target balance ranges:
 - Minimum: Not to fall below five years cumulative NC and UAL
 - ✓ When CalPERS UAL is fully funded, the fund balance will serve as a pension stabilization fund for unanticipated fluctuations in UAL and/or the normal costs.
 - Maximum: Not to exceed 15 years of cumulative estimated CalPERS UAL plus 15 years cumulative NC
3. The UAL adjusted annually based on updates from CalPERS
4. Review Trust Fund balances and uses annually with the F&P Committee
5. Repayment of the Replacement Fund would begin once the user rate exceeds NC + UAL (rate differential redirected to Replacement Fund)

STAFF RECOMMENDATIONS

1. That the Board approve the IRWD 115 Pension Trust Fund Guiding Principles; and
2. That the Board approve no transfer of funds from the IRWD 115 Pension Trust to CalPERS for FY 2022-23.

August 22, 2022

Prepared by: H. Cho / J. Moeder

Submitted by: K. Burton

Approved by: Paul A. Cook 

ACTION CALENDAR

SAN JOAQUIN RESERVOIR FILTRATION BUDGET INCREASE, CONSULTANT SELECTION, AND CONSTRUCTION AWARD

SUMMARY:

The San Joaquin Reservoir Filtration project includes construction of a new filter system, replacement of the existing booster pumps, and replacement of the existing chlorination system at the reservoir. Staff recommends the Board:

- Authorize a budget increase in the amount of \$19,801,000, from \$3,654,000 to \$23,455,000;
- Authorize the General Manager to execute a Professional Services Agreement in the amount of \$949,482 with Carollo Engineers for engineering support services during construction; and
- Waive an irregularity in the bid and authorize the General Manager to execute a construction contract with R.C. Foster Corporation in the amount of \$18,282,706.70 for the San Joaquin Reservoir Filtration project.

BACKGROUND:

San Joaquin Reservoir serves recycled water to the Zone B distribution system primarily from Interstate 405 to the Newport Coast and Crystal Cove areas of IRWD. A location map showing San Joaquin Reservoir and the project location is provided as Exhibit “A”. Algal growth on the surface of the reservoir has become an issue during the summer as the water temperature rises, and algae and other debris can draft out of the reservoir. Currently, there is no filtration system for water drafting out of the reservoir into the system, and recycled water users in the area have reported clogged sprinklers, irrigation equipment, and filters on the customer side of the service meter and increased maintenance costs. This project will install a filtration system and disinfection improvements at the reservoir to mitigate algae and debris entering the Zone B system.

In February 2019, Carollo was retained to design a new filter system at San Joaquin Reservoir. The project also includes replacement of the existing booster pumps in the reservoir control building, which are currently used to increase the pressure of the water discharged from the reservoir into Zone B as the reservoir level drafts below the HGL of Zone B. Once the filtration system is built, the pumps will feed the filters and subsequently the Zone B system and therefore new higher-pressure pumps are required to overcome the additional pressure losses through the filter system. The project also includes replacement of the existing chlorination tanks, injection pumps, and piping as the system requires modification for the new filtration system and is nearing the end of its useful life. Carollo completed the design in June 2022, and the project went out to construction bid.

Consultant Selection:

At staff's request, Carollo submitted a proposal for construction phase engineering services in the amount of \$949,482. The proposal, provided as Exhibit "B", includes scope for submittal reviews, responses to contractor requests for information, site visits, record drawing preparation, development of energy control procedures, and construction coordination and engineering support commensurate with the complex requirements of the project. The construction project will have a similar level of complexity as the Zone A to Rattlesnake Reservoir Pump Station currently under construction, and the construction phase services agreement for that project was \$871,000.

Staff recommends the Board authorize the General Manager to execute a Professional Services Agreement in the amount of \$949,482 with Carollo Engineers for the construction phase engineering services for the San Joaquin Reservoir Filtration project.

Construction Award:

The project was advertised for construction bidding to a select list of eighteen mechanical contractors. The bid opening was held August 11, 2022 with bids received from R.C. Foster Corporation, Pacific Hydrotech Corporation, and Shimmick Construction Company, Inc. R.C. Foster Corporation is the apparent low bidder with a bid amount of \$18,282,706.70. R.C. Foster Corporation's bid information is attached as Exhibit "C", and a summary of the three bids received is provided below:

Bidder	Bid Amount
R.C. Foster Corporation	\$18,282,706.70
Pacific Hydrotech Corporation	\$18,689,906.70
Shimmick Construction Company, Inc.	\$20,056,706.70
<i>Engineer's Estimate</i>	<i>\$13,252,000.00</i>

Staff identified a potential irregularity in the bid submitted by R.C. Foster Corporation. That bid included a cost for mobilization and demobilization that exceeded the District's maximum requirement of 4% of the total bid. Staff conferred with legal counsel and legal counsel concurred that there is a sufficient basis for a factual finding by the Board that the irregularity in R.C. Foster's bid is inconsequential and cannot have affected the bid amount or given the bidder a competitive advantage over the other bidders. Staff recommends the Board authorize the General Manager to award a construction contract to R.C. Foster Corporation in the amount of \$18,282,706.70.

The three bids all greatly exceeded the engineer's estimate, but were tightly grouped. This indicates that the bidders had a similar understanding of the scope of work and that the current challenging supply chain issues are driving construction increases. The substantial increase in construction costs has been reported by other agencies in recent months. When developing engineer's estimates, consulting firms have recently been severely challenged by the current market volatility, unpredictable equipment lead times, and other extraordinary factors.

Material Sole Source:

Certain materials are routinely sole sourced on IRWD projects in order to match other products in use on a particular public improvement or in order to obtain a necessary item that is only available from one source. While most sole sourced items are individually under \$35,000 and only require a single bid per the District's procurement policy, there are occasionally items that are of higher value. On this project, the following higher value items were sole-sourced:

- Motor Control Center, including Variable Frequency Drives, sourced to Allen Bradley and supplied by OneSource with an estimated value of \$460,000, and
- Disc Filter System sourced to Amiad Water Systems with an estimated value of \$1,041,706.70.

FISCAL IMPACTS:

The San Joaquin Reservoir Filtration, Project 10379, is included in the FY 2022-23 Capital Budget and is funded by the Recycled Standard Split. 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
10379	\$3,654,000	\$19,801,000	\$23,455,000

The original budget was established in mid-2018 when the project scope was still being developed. After the pilot testing of a filtration system and three complicated years of design, the requirements for the new filtration system, sound mitigation due to the surrounding residential area, and the required modifications to the existing pump station and chemical system required a substantial increase in the project scope.

ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and in conformance with California Code of Regulations Title 14, Chapter 3, Article 6, a Notice of Intent to adopt a Mitigated Negative Declaration was filed with the County of Orange on November 2, 2020. Pursuant to State Guideline § 15073, the IS/MND was made available for public review for a period of 30 days from November 2, 2020, through December 1, 2020. The IS/MND was adopted by IRWD's Board of Directors on January 11, 2021. A Notice of Determination was filed with the Orange County Clerk/Recorder and the CA State Clearinghouse on January 14, 2021.

COMMITTEE STATUS:

The consultant selection recommendation was reviewed by the Engineering and Operations Committee on July 19, 2022. 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 \$19,801,000, FROM \$3,654,000 TO \$23,455,000; AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH CAROLLO ENGINEERS IN THE AMOUNT OF \$949,482 FOR ENGINEERING SUPPORT SERVICES DURING CONSTRUCTION; AND WAIVE THE REQUIREMENT THAT A COST FOR MOBILIZATION AND DEMOBILIZATION NOT EXCEED A MAXIMUM OF 4% OF THE TOTAL BID; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH R.C. FOSTER CORPORATION IN THE AMOUNT OF \$18,282,706.70 FOR THE SAN JOAQUIN RESERVOIR FILTRATION, PROJECT 10379.

LIST OF EXHIBITS:

Exhibit "A" – Location Map
Exhibit "B" – Carollo Engineers Proposal
Exhibit "C" – Bid Results

EXHIBIT "A"



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SCOPE OF SERVICES

IRVINE RANCH WATER DISTRICT

SAN JOAQUIN RESERVOIR FILTRATION PROJECT
ENGINEERING SERVICES DURING CONSTRUCTION

JUNE 2022

BACKGROUND

The Irvine Ranch Water District (District) is constructing a new filtration process for the San Joaquin Reservoir. The project will remove algae from the recycled water to protect downstream appurtenances and irrigation systems within the distribution system. The project includes a new filtration facility, modifications to the existing booster pump station and improvements to the disinfection system. This exhibit provides the scope of work to provide engineering services during construction for the project.

SCOPE OF WORK

Task 1 Project Management

Task 1.01 – Project Management

Project management includes the effort require for general project management and administration over the duration of construction and project close out. A total duration of 24 months of construction is included. This task includes 1 hours per week for the Project Manager (PM) and 1 hours per week for the Project Assistant (PA) and an additional 2 hours per month for PM and 1 hours per month for PA for monthly reviews and invoicing.

Task 2 Construction Phase Services

Carollo will provide support and consultation to the District throughout the construction period, as outlined in the following tasks:

Task 2.01 - Conformed Documents

Carollo will provide conformed documents (drawings and specifications) based on the bid documents and addenda released during the bid period. Conformed documents will be provided in electronic format (PDF). Conformed specifications will use track changes to highlight modifications made.

Task 2.02 – Project Meetings

Attend twenty-four (24) construction meetings throughout the duration of construction period. This assumes two employees attending one meeting per month, on average, including the preconstruction meeting. It is assumed the meeting attendance is virtual.

Task 2.03 – Shop Drawing Reviews

Review and approve for acceptance of four hundred (400) shop drawing submittals, including resubmittals. Submittal review transmittals and comments shall be completed and returned to IRWD within 14 calendar days of the date of submittal receipt, according to the Contract Documents. Submittals for critical items, particularly items with long lead times, will be expedited in coordination with IRWD. Four hours of review is assumed for each submittal.

Task 2.04 – Request for Information

Respond to 150 Requests for Information (RFIs) from the construction contractor. Clarifications, details, additional calculations for clarification or modification to original design drawings will be provided as requested by the District to provide clear and concise responses. Carollo will return RFI within 7 calendar days of receipt, according to the Contract Documents. Carollo is budgeting three hours per RFI.

Task 2.05 –Plan Revisions

A budget of up to 250 hours has been established to provide revisions to the contract construction drawings as required.

Task 2.06 – Site Visits

Carollo will attend and conduct 20 site visits throughout the construction period to review construction progress, resolve technical issues, and/or review overall project schedule, coordination, and progress with the District and the Contractor. These site visits will be separate from project meetings noted above. Each site visit is assumed for two persons and four hours per visit.

Task 2.07 – Record Drawings

Prepare record drawings at construction completion using Contractor's and IRWD's inspector's markups. Deliver final record drawings as a combined PDF electronic file, and AutoCAD electronic files.

Task 2.08 – Energy Control Procedures

Prepare Energy Control Procedures (ECPs) to document safe methods to isolate equipment from air, chemical, power, or liquid pressure for maintenance access purposes. The following ECPs are anticipated:

- Reservoir Booster Pumps 1, 2 and 3
- Process Control Valve
- Bypass Valve
- Filter Inlet Valve
- Filters 1-12
- Pneumatically Actuated Valves on Each Filter
- Filter Backwash Supply Pumps 1 and 2
- Filter Backwash Flow Meter
- Filter Backwash Waste Pumps 1 and 2
- Filter Backwash Waste Flow Meter
- Valve Vault Sump Pump
- Sodium Hypochlorite Storage Tanks 1 and 2
- Sodium Hypochlorite Storage Tank Isolation Valves 1 and 2
- Sodium Hypochlorite Metering Pumps 1 and 2
- Sodium Hypochlorite Flow Meter
- SJR Injection Vault Inlet Valve
- Zone B Vault Inlet Valve
- Air Compressor
- 2 Air Dryers
- MCC
- PLC
- Five (5) Unidentified ECPs

Task 2.09 –Construction Coordination

Carollo will provide miscellaneous construction support that is not related to the above tasks. The support will be provided as a result of District or contractor general inquiries rather than submitted questions, RFIs, submittals, or plan revisions. Support will be provided as requested by the District and according to the available hours for each subtask noted below.

Task 2.09A – General Plan Clarifications

Carollo will review and respond to Contractor inquiries that are deemed minor and do not result in significant changes to the construction plans. A total budget of 100 hours is provided.

Task 2.09B – General Construction Alternatives Analysis

Carollo will review Contractor suggested alternatives, including equipment, sequencings, means and methods, and unforeseen conditions. Engineering calculations will be prepared as needed and the analyses results will be summarized, as needed, to provide proper direction to the Contractor. Carollo will provide exhibits and support IRWD in interacting with interested parties, including IRWD Operations, City of Newport Beach Fire Department, and others. Work will be performed at the District's request. A total budget of 150 hours is provided.

Task 2.09C – General Field Questions

Carollo will address questions posed in the field by IRWD inspection, the Contractor, or other interested parties. A total budget of 150 hours is provided.

Task 2.09D – Instrumentation/Control and Electrical

Carollo will 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 120 hours is provided.

Task 2.09E – Startup and Testing

Carollo will assist IRWD staff in coordinating the startup and testing phase 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 provided.

Irvine Ranch Water District
San Joaquin Reservoir Filtration Project
Engineering Services During Construction

June 2022

Task	Task Description	Senior Professional	Lead Project Professional	Project Professional	Professional	Assistant Professional	Senior Technician	Technician	Document Processing	Task Hours	Task Subtotal	Other Direct Costs	Subconsultants	Task Total
1	Project Management													
1.01	Project Management	0	64	120	80	0	0	0	0	264	\$ 68,344	\$ -	\$ -	\$ 68,344
	Task Subtotal	0	64	120	80	0	0	0	0	264	\$ 68,344	\$ -	\$ -	\$ 68,344
2	Construction Phase Services													
2.01	Conformed Documents	0	2	4	10	24	8	24	8	80	\$ 16,762	\$ 3,240	\$ 6,500	\$ 26,502
2.02	Project Meetings (24 Total)	6	8	36	24	8	0	0	0	82	\$ 20,678	\$ -	\$ 2,500	\$ 23,178
2.03	Shop Drawing Review (400 Total)	40	24	280	516	540	0	0	0	1400	\$ 327,664	\$ -	\$ 15,000	\$ 342,664
2.04	Requests for Information (150 Total)	18	12	124	90	196	0	0	0	440	\$ 103,772	\$ -	\$ 12,000	\$ 115,772
2.05	Plan Revisions (250 Hours Total)	4	8	24	40	60	30	74	0	240	\$ 52,778	\$ -	\$ 12,000	\$ 64,778
2.06	Site Visits (20 Total)	0	24	60	24	24	0	0	0	132	\$ 33,204	\$ 5,760	\$ 4,000	\$ 42,964
2.07	Record Drawings	4	4	16	24	80	24	124	0	276	\$ 58,244	\$ 2,400	\$ 12,000	\$ 72,644
2.08	Energy Control Procedures	2	8	24	54	72	0	0	24	184	\$ 41,088	\$ -	\$ -	\$ 41,088
2.09	Construction Coordination													
A	General Plan Clarifications	4	8	24	36	28	0	0	0	100	\$ 24,148	\$ -	\$ -	\$ 24,148
B	General Construction Alternatives Analysis	4	8	32	50	56	0	0	0	150	\$ 35,498	\$ -	\$ -	\$ 35,498
C	General Field Questions	8	24	34	48	36	0	0	0	150	\$ 37,154	\$ -	\$ -	\$ 37,154
D	Instrumentation/Control & Electrical	24	0	32	64	0	0	0	0	120	\$ 30,280	\$ -	\$ -	\$ 30,280
E	Startup and Testing	8	8	24	36	24	0	0	0	100	\$ 24,468	\$ -	\$ -	\$ 24,468
	Task Subtotal	122	138	714	1016	1148	62	222	32	3454	\$ 805,738	\$ 11,400	\$ 64,000	\$ 881,138
	Hours Total	122	202	834	1096	1148	62	222	32	3718				
	Rate	\$ 295	\$ 296	\$ 255	\$ 235	\$ 215	\$ 225	\$ 190	\$ 160					
	Project Subtotal	\$ 35,990	\$ 59,792	\$ 212,670	\$ 257,560	\$ 246,820	\$ 13,950	\$ 42,180	\$ 5,120		\$874,082	\$11,400	\$64,000	\$949,482

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EXHIBIT "C"

Bid Results

Bidder Details

Vendor Name	R C Foster Corporation
Address	PO Box 77055 Corona, California 92877 United States
Respondee	Robert Foster
Respondee Title	President
Phone	951-738-8211
Email	bob@rcfoster.com
Vendor Type	CADIR
License #	569693
CADIR	PW-LR-1000369815

Bid Detail

Bid Format	Electronic
Submitted	08/11/2022 1:54 PM (PDT)
Delivery Method	
Bid Responsive	
Bid Status	Submitted
Confirmation #	300414

Respondee Comment

Buyer Comment

Attachments

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

Subcontractors

Showing 12 Subcontractors

Name & Address	Desc	License Num	CADIR	Amount	Type
Anderson Air Conditioning 2100 E. Walnut Ave Fullerton, California 92831	HVAC	894408	1000765095	\$186,000.00	CADIR
C.E. Pickup Company, Inc. dba Pacif 2677 N. Main Street, #230 Santa Ana, California 92705	Acoustic Panels	647465	1000007590	\$317,000.00	CADIR
CMC Rebar 5425 Industrial Parkway San Bernardino, California 92407	Reinforcing Steel	778010	1000000298	\$200,000.00	CADIR
E J Meyer Company PO Box 277 Highland, California 92346	Pipeline	218385	1000002706	\$877,777.00	
Graham Crackers-Demo, Inc. 25125 Felswood Road Menifee, California 92584	Demolition	745828	1000016734	\$155,700.00	
Kretschmar & Smith Inc 6293 Pedley Road Riverside, California 92509	Masonry	467211	1000002071	\$259,000.00	
Leed Electric, Inc. 13138 Arctic Circle Santa Fe Springs, California 90670	Electrical	379096	1000004633	\$4,198,700.00	CADIR
R&J Sheetmetal 11614 Martens River Circle Fountain Valley, California 92708	Sheetmetal	549635	1000009699	\$195,000.00	
Regan Paving 216 N. Smith Ave Corona, California 92880	Paving	538134	1000002950	\$195,000.00	CADIR
Remco Machining and Fabrication 1966 S. Date Street Bloomington,, California 92316	Structural Steel & Metal Deck	792482	1000001645	\$511,111.00	
Stone Roofing Company 730 N. Coney Ave. Azusa, California 91702	Concrete Roof Tiles	159149	1000001595	\$177,000.00	CADIR
Techno Coatings 1391 S. Allec St. Anaheim, California 92805	Painting and Coating	296517	1000005841	\$124,800.00	CADIR

Line Items

Discount Terms No Discount

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
BASE BID ITEMS							\$18,282,706.70		
1			Mobilization/Demobilization (Not to exceed 4% of Base Bid)	LS	1	\$850,000.00	\$850,000.00	Yes	
2			Demolition (Control Building – Pump Room, Electrical Room, Lighting; Sodium Hypochlorite Area)	LS	1	\$600,000.00	\$600,000.00	Yes	
3			Control Building – Pump Room: Piping, valves, and mechanical equipment	LS	1	\$1,100,000.00	\$1,100,000.00	Yes	
4			Control Building - Electrical Room and Lighting	LS	1	\$150,000.00	\$150,000.00	Yes	
5			Control Building - HVAC Modifications	LS	1	\$100,000.00	\$100,000.00	Yes	
6			Sodium Hypochlorite Facility Modifications	LS	1	\$774,000.00	\$774,000.00	Yes	
7			Process Control Valve and Acoustical Enclosure	LS	1	\$675,000.00	\$675,000.00	Yes	
8			Filter Building, except for Items 9, 10, 11, and 12	LS	1	\$2,300,000.00	\$2,300,000.00	Yes	
9			Filter Building - Electrical and Instrumentation	LS	1	\$1,450,000.00	\$1,450,000.00	Yes	
10			Filter Building – HVAC	LS	1	\$85,000.00	\$85,000.00	Yes	
11			Filter Building - Piping, Valves, and Mechanical Equipment, except for Item 12	LS	1	\$995,000.00	\$995,000.00	Yes	
12			Amlad Super Galaxy Filtration System Package	LS	1	\$1,041,706.70	\$1,041,706.70	Yes	
13			Filter Backwash Waste EQ Tank and Valve Vault	LS	1	\$4,654,000.00	\$4,654,000.00	Yes	
14			Filter Backwash Waste Return Pipeline and Reservoir Discharge (i.e., Weir Box, Gutter)	LS	1	\$1,180,000.00	\$1,180,000.00	Yes	
15			Civil, including yard piping, except for Items 7, 13, and 14	LS	1	\$530,000.00	\$530,000.00	Yes	
16			Site electrical, except for Items 17 and 18	LS	1	\$1,500,000.00	\$1,500,000.00	Yes	
17			New wire from pull box PD-6 to Valve Control Center Reservoir Distribution panelboard DP-1	LS	1	\$120,000.00	\$120,000.00	Yes	
18			New wire to Sub-drain Pumping Station	LS	1	\$25,000.00	\$25,000.00	Yes	
19			Trench and Project Safety Measures	LS	1	\$110,000.00	\$110,000.00	Yes	
20			Testing, Training, and Facility Start-Up	LS	1	\$28,000.00	\$28,000.00	Yes	
21			Draft and Final Operation and Maintenance Manuals	LS	1	\$5,000.00	\$5,000.00	Yes	
22			Final Record Drawings	LS	1	\$10,000.00	\$10,000.00	Yes	
ADDITIVE AND DEDUCTIVE BID ITEMS							\$0.00		
23			ADDITION (+) OR DEDUCTION (-)	LS	1	\$0.00	\$0.00	Yes	

Line Item Subtotals

Section Title	Line Total
BASE BID ITEMS	\$18,282,706.70
ADDITIVE AND DEDUCTIVE BID ITEMS	\$0.00
Grand Total	\$18,282,706.70

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