# AGENDA IRVINE RANCH WATER DISTRICT BOARD OF DIRECTORS REGULAR MEETING

April 25, 2022

**CALL TO ORDER** 5:00 p.m.

**ROLL CALL** Directors McLaughlin, Reinhart, Swan, and Withers, 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 1:00 p.m. on Monday, April 25, 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 April 11, 2022, Regular Board meeting be approved as presented.

#### 5. IRWD OPERATIONAL PERFORMANCE MEASURES

Recommendation: Receive and file.

#### 6. MARCH 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 March 2022 summary of Payroll ACH payments in the total amount of \$2,160,433 and approve the March 2022 accounts payable disbursement summary of Warrants 425269 through 426151, Workers' Compensation distributions, wire transfers, payroll withholding distributions and voided checks in the total amount of \$17,865,491.

# 7. <u>ADOPTION OF REVISED IRWD SCHEDULE OF POSITIONS AND SALARY RATE RANGES</u>

Recommendation: That the Board adopt a resolution by title rescinding Resolution No. 2021-27 and adopting a revised Schedule of Positions and Salary Rate Ranges.

Reso. 2022 - 8

#### **ACTION CALENDAR**

# 8. ORANGE HEIGHTS ZONE 5 TO 6 AND ZONE C+ TO E PUMP STATIONS AND ZONE 6 RESERVOIR CONSULTANT SELECTION

Recommendation: That the Board authorize the General Manager to execute a Professional Services agreement with Lee & RO in the amount of \$602,000 for engineering design services for the Orange Heights Zone 5 to 6 and Zone C+ to E Pump Stations, Project 07136 and 07139; and authorize the General Manager to execute a Professional Services Agreement with Tetra in the amount of \$484,000 for engineering design services for the Orange Heights Zone 6 Reservoir, Project 07138.

#### **ACTION CALENDAR (Continued)**

# 9. <u>WOODBRIDGE RECYCLED WATER PIPELINES REPLACEMENT</u> CONSTRUCTION AWARD

Recommendation: That the Board authorize a budget increase for Project 11571 in the amount of \$4,200,000, from \$11,018,000 to 15,218,000; and authorize the General Manager to execute a Construction Contract with E.J. Meyer Company in the amount of \$11,959,999 for the Woodbridge Recycled Water Pipeline Replacement, Project 11571.

# 10. <u>LAKE FOREST WELL 2 TREATMENT SYSTEM CONSULTANT</u> SELECTION

Recommendation: That the Board authorize the General Manager to execute a Professional Services Agreement with Tetra Tech in the amount of \$340,729 for design engineering services for the Lake Forest Well 2 Treatment System, Project 11218.

#### **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.

- 11. General Manager's Report
- 12. Receive oral update(s) from District liaison(s) regarding communities within IRWD's service area and provide information on relevant community events.
- 13. Directors' Comments
- 14. Closed Sessions
  - A. CLOSED SESSION CONFERENCE WITH LEGAL COUNSEL EXISTING LITIGATION Pursuant to Government Code Section 54956.9(d)(1): Kern County Water Agency v. Groundwater Banking Joint Powers Authority, Rosedale-Rio Bravo Water Storage District, Irvine Ranch Water District, Kern County Superior Court Case No. BCV-21-100223.

#### **OTHER BUSINESS (Continued)**

- 15. Closed Sessions, continued
  - B. CLOSED SESSION CONFERENCE WITH LEGAL COUNSEL EXISTING LITIGATION Pursuant to Government Code Section 54956.9(d)(1): City of Bakersfield v. Groundwater Banking Joint Powers Authority, Rosedale-Rio Bravo Water Storage District, Irvine Ranch Water District, Kern County Superior Court Case No. BCV-21-100221.
- 16. Open Session
- 17. 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.

April 25, 2022 Prepared and

submitted by: L. Bonkowski Approved by: Paul A. Cook

#### CONSENT CALENDAR

#### **BOARD MEETING MINUTES**

#### SUMMARY:

Provided are the minutes of the April 11, 2022 Regular Board meeting for approval.

**FISCAL IMPACTS**:

None.

**ENVIRONMENTAL COMPLIANCE:** 

Not applicable.

**COMMITTEE STATUS:** 

Not applicable.

#### **RECOMMENDATION:**

THAT THE MINUTES OF THE APRIL 11 2022 REGULAR BOARD MEETING BE APPROVED AS PRESENTED.

#### **LIST OF EXHIBITS:**

Exhibit "A" – April 11, 2022 Minutes

No. 4 Minutes.docx

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#### EXHIBIT "A"

#### MINUTES OF REGULAR MEETING – APRIL 11, 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 April 11, 2022 at the District offices, 15600 Sand Canyon Avenue, Irvine.

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

Directors Absent: None.

Written and Oral Communications: None.

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

#### CONSENT CALENDAR

On <u>MOTION</u> by Reinhart, seconded by Withers and unanimously carried, CONSENT CALENDAR ITEMS 4 THROUGH 8 WERE APPROVED AS FOLLOWS:

#### 4. BOARD MEETING MINUTES

Recommendation: That the minutes of the March 18, 2022 Regular Board meeting be approved as presented.

# 5. <u>RATIFY/APPROVE BOARD OF DIRECTORS' ATTENDANCE AT MEETINGS AND</u> EVENTS IN 2022

Recommendation: That the Board ratify/approve the event for John Withers, as described.

#### 6. 2022 LEGISLATIVE AND REGULATORY UPDATE

Recommendation: That the Board adopt a "support" position on SB 938 (Hertzberg) and S.3956 (Merkley/Collins).

# 7. <u>2022 REGULAR AND ALTERNATE LAFCO SPECIAL DISTRICTS SEAT</u> ELECTION

Recommendation: That the Board authorize the District Secretary to submit the "Declaration of Qualification to Vote" form designating President Steve LaMar as IRWD's authorized voting member and Vice President Karen McLaughlin as IRWD's alternate voting member for the Orange County Special District Selection Committee election and authorize IRWD's voting member to cast the District's ballot.

#### CONSENT CALENDAR (CONTINUED)

# 8. <u>STATE ROUTE-55 FREEWAY WIDENING SANITARY SEWER RELOCATION FINAL ACCEPTANCE</u>

Recommendation: That the Board accept construction of the State Route-55 Freeway Widening Sanitary Sewer Relocation project on Cowan in Irvine, authorize the General Manager to file a Notice of Completion, and authorize the payment of the retention 35 days after the date of recording the Notice of Completion for Project 11583.

#### **ACTION CALENDAR**

# REVISED IRWD POLICY PRINCIPLES REGARDING METROPOLITAN WATER DISTRICT'S INTEGRATED WATER RESOURCES PLAN AND LOCAL RESOURCES PROGRAM

Executive Director of Water Policy Weghorst reported that on May 7, 2020, the Board adopted a policy paper to help guide IRWD's advocacy efforts related to ongoing policy discussions on Metropolitan's IRP and Local Resources Program. Mr. Weghorst said that due to increased complexities, Metropolitan has been delayed in completing its 2020 IRP which has delayed discussions regarding making changes to the Local Resource Program. He said that to ensure that IRWD's policy positions are up to date for its continued advocacy efforts, staff has revised the policy position paper. He then reviewed the exhibit containing the redlined changes. Following input from the Board, staff will amend language in the policy, and bring this item back to the Board for adoption at its next meeting.

# FORMER FRANCES MUTUAL WATER COMPANY WELL 14 PROPERTY EXEMPT SURPLUS DESIGNATION AND AUTHORIZATION TO SELL

General Manager Cook reported that IRWD owns real property located in the city of Tustin, which is a former wellsite from the Frances Mutual Water Company system that was destructed in 2009. Staff has determined that the property will not be required for any future IRWD operational purposes. On MOTION by Swan, seconded by Reinhart and unanimously carried, THE BOARD DESIGNATED THE FORMER FRANCES MUTUAL WATER COMPANY WELL 14 PROPERTY LOCATED IN THE CITY OF TUSTIN AS "EXEMPT SURPLUS LAND" AND AUTHORIZED THE GENERAL MANAGER TO NEGOTIATE AND EXECUTE ALL DOCUMENTS REQUIRED TO COMPLETE THE SALE TO ONE OR MORE ADJACENT HOMEOWNER(S) AT A FAIR VALUE TO THE IRVINE RANCH WATER DISTRICT.

#### GENERAL MANAGER'S REPORT – None.

#### COMMUNITY LIAISON UPDATES

General Manager Cook said that Consultant Newell had to leave the meeting early and said there was nothing to report in the canyon area.

#### **DIRECTORS' COMMENTS**

Director Reinhart reported that he attended all of the meetings listed.

Director Withers reported that he attended all of the meetings listed. He said tomorrow he will be attending an OCBC Infrastructure Committee meeting.

Director Swan reported that he attended a Water UCI presentation, an OC Forum meeting, a WACO meeting, a MWDOC Planning and Operations Committee meeting, a MWDOC Board meeting, a Water Education Foundation 101 Workshop, and a Southern California Water Dialogue Planning meeting. He further asked to receive regular Biosolids updates from staff.

Director Mclaughlin reported on her attendance at a WACO meeting, a MWDOC annual elected officials forum, and an IRWD community tour. She further complimented staff on their efforts on this tour.

Director LaMar reported on his attendance at an OC Forum meeting, a WACO meeting, and an OCBC annual dinner and installation event.

#### **CLOSED SESSIONS**

General Manager Cook reported that none of the Closed Sessions listed on the agenda need to be discussed this evening.

#### ADJOURNMENT

There being no further business, Director LaMar adjourned the meeting at 5:30 p.m.

APPROVED and SIGNED this 25th day of	of April 2022.
	President, IRVINE RANCH WATER DISTRICT
APPROVED AS TO FORM:	Secretary IRVINE RANCH WATER DISTRICT
Claire Hervey Collins, General Counsel Hanson Bridgett LLP	

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April 25, 2022

Prepared by: D. Pardee / C. Smithson

Submitted by: C. Clary

Approved by: Paul A. Cook / CA.

#### CONSENT CALENDAR

#### IRWD OPERATIONAL PERFORMANCE MEASURES

#### SUMMARY:

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

#### **BACKGROUND:**

The Operational Performance Measures document summarizes several operational, financial, customer service, and other key measures important to the ongoing operation of the District. These measures were selected and designed to provide a "snapshot" view of the measures that are of interest to the Board.

#### **FISCAL IMPACTS**:

Not applicable.

#### **ENVIRONMENTAL COMPLIANCE:**

Not applicable.

#### RECOMMENDATION:

RECEIVE AND FILE.

#### **LIST OF EXHIBITS:**

Exhibit "A" – Operational Performance Measures as of March 31, 2022

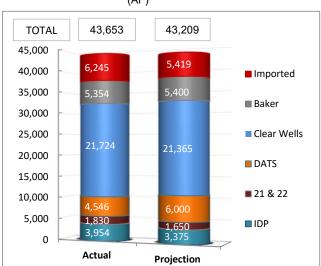
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#### Exhibit "A" **IRVINE RANCH WATER DISTRICT**

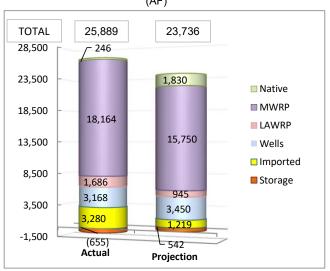
#### **Operational Performance Measures**

Data as of March 31, 2022

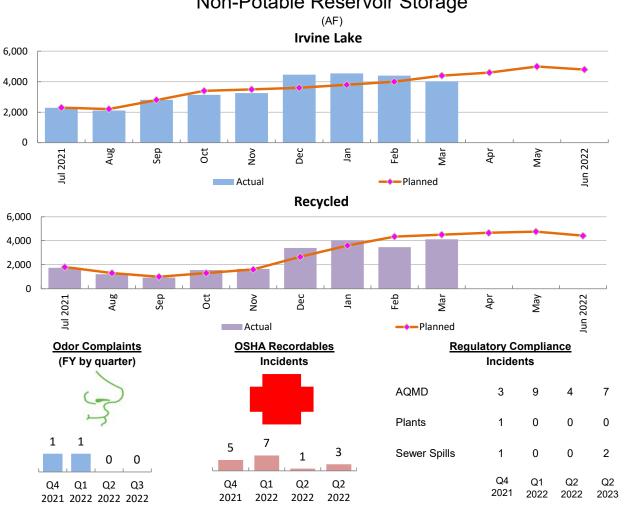




#### Non-Potable Water Production FYTD (AF)



#### Non-Potable Reservoir Storage



#### IRVINE RANCH WATER DISTRICT

#### **Other Statistical Information**

Data as of March 31, 2022



#### **Banked Water**

Non-State Project (AF) 10,492

20,931

**Total Potable Water** 

Q2

residential

sales

**GPCD** 

68

68

0%

# Net YTD Water In/(Out) (AF)\* 0

\*Calendar Year including extraordinary supply received.

#### **Certificates of Occupancies FYTD**





ΑF FY 2021-22 43,653 Three Yr Avg 42,067 Change 3.8%

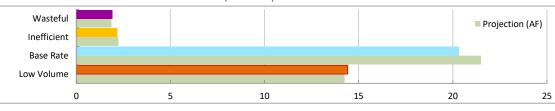
#### **Acre-Feet Per Acre** Irrigation



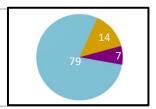
**Actual Water Budget** 2.67 FY 2021-22 2.00 Three Yr Avg 1.90 2.61

#### Potable Sales by Tier FYTD

# (in thousands)

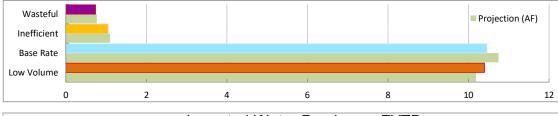


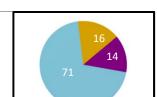
#### % of Customers by Tier



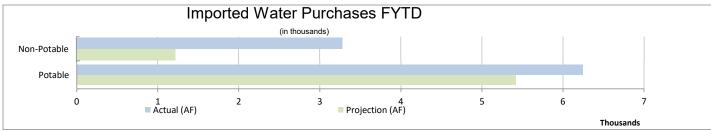
#### Non-Potable Sales by Tier FYTD

(in thousands)





% of Customers by Tier



#### Website Hits 206 171 134 Q4 2021 Q1 2022 Q2 2022 Q3 2022

#### Customer Satisfaction Index\*\*



\*\* 12 month rolling average

April 25, 2022

Prepared by: O. Mendoza / J. Davis Submitted by: R. Jacobson / C. Clary Approved by: Paul A. Cook

#### CONSENT CALENDAR

#### MARCH 2022 TREASURY REPORT

#### **SUMMARY:**

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

- A. The March 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 March 31, 2022, as outlined in Exhibit "B";
- C. The Monthly Interest Rate Swap Summary as of March 31, 2022, as outlined in Exhibit "C";
- D. The March 31, 2022 Disbursement Summary of warrants 425269 through 426151, wire transfers, Workers' Compensation distributions, payroll withholding distributions, and voided checks in the total amount of \$17,865,491, as outlined in Exhibit "D";
- E. The Summary of Payroll ACH payments in the total amount of \$2,160,433 as outlined in Exhibit "E"; and
- F. The Disclosure Report of Reimbursements to Board members and staff for March 2022, detailing payments or reimbursements for individual charges of \$100 or more per transaction, as outlined in Exhibit "F".

#### FISCAL IMPACTS:

As of March 31, 2022, the book value of the investment portfolio was \$384,303,524, with a 0.43% rate of return and a market value of \$381,242,477. Based on IRWD's March 31, 2022, quarterly real estate investment rate of return of 12.41%, the weighted average return for the fixed income and real estate investments was 2.88%.

As of March 31, 2022, the outstanding principal amount of fixed and variable rate debt was \$624,995,000. The monthly weighted average all-in variable rate was 0.59%. 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 3.09%.

Payroll ACH payments totaled \$2,160,433 and wire transfers, all other ACH payments, and checks issued for debt service, accounts payable, payroll, and water purchases for March totaled \$17,865,491.

No. 6 Treasury Report.docx

Consent Calendar: March 2022 Treasury Report

April 25, 2022

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#### 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 MARCH 2022 SUMMARY OF PAYROLL ACH PAYMENTS IN THE TOTAL AMOUNT OF \$2,160,433, AND APPROVE THE MARCH 2022 ACCOUNTS PAYABLE DISBURSEMENT SUMMARY OF WARRANTS 425269 THROUGH 426151, WORKERS' COMPENSATION DISTRIBUTIONS, WIRE TRANSFERS, PAYROLL WITHHOLDING DISTRIBUTIONS AND VOIDED CHECKS IN THE TOTAL AMOUNT OF \$17,865,491.

#### LIST OF EXHIBITS:

Exhibit "A" – Investment Summary Report

Exhibit "B" – Summary of Fixed and Variable Debt

Exhibit "C" – Monthly Interest Rate Swap Summary

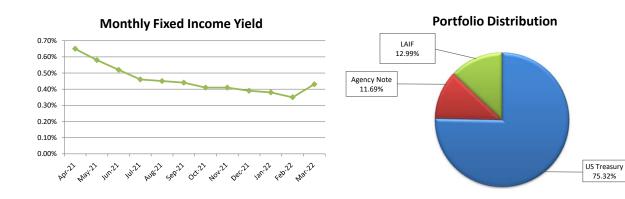
Exhibit "D" – Monthly Summary of District Disbursements

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 March 2022



#### **Investment Summary**

Туре	PAR	Book Value	Market Value
US Treasury	290,000,000	289,226,281	286,945,700
LAIF	50,000,000	50,000,000	49,437,677
Agency Note	45,000,000	45,077,243	44,859,100
Grand Total	385,000,000	384,303,524	381,242,477

#### Weighted Average Return Including Real Estate Portfolio



#### **Maturity Distribution**



#### Top Issuers

PAR	% Portfolio
290,000,000	75.32%
50,000,000	12.99%
30,000,000	7.79%
15,000,000	3.90%
385,000,000	100.00%
	290,000,000 50,000,000 30,000,000 15,000,000

#### IRVINE RANCH WATER DISTRICT

03/31/22

						03/31/22							
	Call	Initial	Maturity		INVESTMENT	INSTITUTION /	PAR	COUPON		ORIGINAL	CARRY VALUE	MARKET VALUE(1)	UNREALIZED(2)
SETTLMT	Schedule	Call	Date	Rating	TYPE	ISSUER	Amount	DISCOUNT	YIELD	COST		3/31/2022	GAIN/(LOSS)
03/23/22			04/01/22		LAIF	State of California Tsy.	\$50,000,000		0.450%	\$50,000,000.00	\$50,000,000.00	49,437,676.90	(562,323.10)
02/21/20	NA	NA	04/14/22	Aaa/AA+/AAA	FFCB - Note	Fed Farm Credit Bank	5,000,000		1.414%	4,998,500.00	4,999,841.00	5,001,100.00	1,259.00
04/23/20	NA	NA	04/21/22	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	10,000,000	1.580%	0.320%	10,250,200.00	10,009,623.08	10,004,300.00	(5,323.08)
08/12/21	NA	NA	05/31/22	Aaa/NR/AAA	Treasury - Note	US Treasury	10,000,000	1.750%	0.061%	10,135,156.25	10,035,526.36	10,022,200.00	(13,326.36)
04/22/21	NA	NA	06/30/22	Aaa/NR/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.082%	10,005,078.13	10,001,053.07	9,989,100.00	(11,953.07)
04/30/21	NA	NA	06/30/22	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.082%	5,002,539.06	5,000,536.42	4,994,550.00	(5,986.42)
05/28/21	NA	NA	06/30/22	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	0.125%	0.064%	5,003,320.31	5,000,750.82	4,994,550.00	(6,200.82)
05/20/21	NA	NA	06/30/22	Aaa/NR/AAA	Treasury - Note	US Treasury	5,000,000	1.750%	0.065%	5,093,750.00	5,020,782.02	5,014,850.00	(5,932.02)
01/15/20	NA	NA	07/15/22	Aaa/AA+/NR	FFCB - Note	Fed Farm Credit Bank	5,000,000	1.600%	1.594%	5,000,750.00	5,000,086.35	5,010,850.00	10,763.65
12/23/21	NA	NA	07/31/22	Aaa/AA/AAA	Treasury - Note	US Treasury	10,000,000	0.125%	0.157%	9,998,046.88	9,998,925.78	9,978,100.00	(20,825.78)
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	5,000,484.69	4,984,000.00	(16,484.69)
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	5,034,960.18	5,020,300.00	(14,660.18)
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	4,996,127.72	4,984,000.00	(12,127.72)
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	4,986,587.88	4,984,000.00	(2,587.88)
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	4,986,738.58	4,984,000.00	(2,738.58)
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	5,041,502.61	5,022,250.00	(19,252.61)
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	4,997,874.28	4,977,750.00	(20,124.28)
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	4,994,863.95	4,977,750.00	(17,113.95)
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	4,984,718.17	4,977,750.00	(6,968.17)
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	9,959,800.39	9,955,500.00	(4,300.39)
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	10,003,630.64	9,939,800.00	(63,830.64)
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	9,992,533.05	9,939,800.00	(52,733.05)
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	5,000,716.02	4,961,350.00	(39,366.02)
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	9,990,645.38	9,922,700.00	(67,945.38)
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	4,990,856.15	4,961,350.00	(29,506.15)
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	10,104,803.04	10,019,900.00	(84,903.04)
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	9,993,242.98	9,903,900.00	(89,342.98)
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	4,999,267.58	4,941,400.00	(57,867.58)
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	9,975,691.72	9,882,800.00	(92,891.72)
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	4,960,757.84	4,941,400.00	(19,357.84)
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	9,989,259.13	9,898,300.00	(90,959.13)
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	9,994,888.88	9,867,200.00	(127,688.88)
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	9,997,246.37	9,846,500.00	(150,746.37)
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	4,990,871.23	4,923,250.00	(67,621.23)
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	9,991,731.21	9,824,600.00	(167,131.21)
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	9,980,416.95	9,824,600.00	(155,816.95)
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	9,969,815.34	9,799,600.00	(170,215.34)
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	4,972,756.04	4,889,450.00	(83,306.04)
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	4,961,259.80	4,876,150.00	(85,109.80)
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	4,915,523.20	4,876,150.00	(39,373.20)
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	9,912,119.49	9,741,400.00	(170,719.49)
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	4,906,210.39	4,866,800.00	(39,410.39)
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	9,952,058.77	9,727,300.00	(224,758.77)
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	4,959,055.22	4,960,550.00	1,494.78
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	4,860,970.86	4,862,700.00	1,729.14
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	4,898,006.67	4,876,000.00	(22,006.67)
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	4,951,475.45	4,930,650.00	(20,825.45)
03/10/22	NA	NA	03/08/24	Aaa/AA+/NR	FHLB - Note	Fed Home Loan Bank	10,000,000		1.680%	10,038,080.00	10,036,930.81	9,922,300.00	(114,630.81)
SUB-TOTAL							\$385,000,000	_		\$384,774,765.16	\$384,303,523.56	\$381,242,476.90	(\$3,061,046.66)
30D-101AL	_						\$303,000,000	=		ψυσ,// <del>1</del> ,/0υ.10	ψυυτ,υυυ,υΔυ.υ0	φυσι,444,470.90	(ψυ,υσ1,υπυ.υυ)

#### IRVINE RANCH WATER DISTRICT

#### 03/31/22

SETTLMT TOTAL INVI	Call Schedule ESTMENTS	Initial Call	Maturity Date	Rating	INVESTMENT TYPE	INSTITUTION / ISSUER	PAR Amount \$385,000,000	COUPON DISCOUNT YIELD	ORIGINAL COST \$384,774,765.16	CARRY VALUE \$384,303,523.56	MARKET VALUE <sup>(1)</sup> 3/31/2022 \$381,242,476.90	UNREALIZED <sup>(2)</sup> GAIN/(LOSS) (\$3,061,046.66)
					Petty Cash Ck Balance	Bank of America	ECR	0.19%	3,400.00 5,280,346.08 \$390,058,511.24			
	values are deter		•	as reported by LAII w York ("Trading Pr				Outstanding Variable Ra Net Outstanding Variable Investment Balance:	te Debt e Rate Debt (Less \$60 mill	lion fixed-payer swap	s)	\$239,100,000 \$179,100,000 \$390,058,511
(2) Gain (loss) cald	culated against	carry valu	e using the trac	ling value provided	by Bank of New York/or Broke	ers		Investment to Variable R	ate Debt Ratio:			218%
(3) Real estate rate	e of return is ba	sed on mo	st recent quart	er end return				Portfolio - Average Num	ber of Days To Maturity			257
										Investment	Real Estate(3)	Weighted Avg.
										Portfolio	Portfolio	Return
			•	he 2022 Investment aths estimated expen					March February Change	0.43% 0.35% 0.08%	12.41% 12.23% 0.18%	2.88% 2.77% 0.11%

# IRVINE RANCH WATER DISTRICT SUMMARY OF MATURITIES

#### 03/31/22

DATE	TOTAL	%	LAIF	Agency Notes	Agency Discount Notes	Municipal Bonds	US Treasury
03/22	50,000,000	12.99%	\$50,000,000				
04/22	15,000,000	3.90%		15,000,000			
05/22	10,000,000	2.60%					10,000,000
06/22	25,000,000	6.49%					25,000,000
07/22	15,000,000	3.90%		5,000,000			10,000,000
08/22	25,000,000	6.49%					25,000,000
09/22	30,000,000	7.79%		5,000,000			25,000,000
10/22	20,000,000	5.19%					20,000,000
11/22	20,000,000	5.19%					20,000,000
12/22	20,000,000	5.19%					20,000,000
1/23	20,000,000	5.19%					20,000,000
2/23	20,000,000	5.19%		10,000,000			10,000,000
SUB-TOTAL	\$270,000,000	70.13%	\$50,000,000	35,000,000	-	-	185,000,000
13 Months - 3 YEARS							
03/01/2023 - 05/31/2023	\$45,000,000	11.69%					45,000,000
06/01/2023 - 08/31/2023	\$30,000,000	7.79%					30,000,000
09/01/2023 +	\$40,000,000	10.39%		10,000,000			30,000,000
TOTALS	\$385,000,000	100.00%	\$50,000,000	45,000,000	_		290,000,000

# Irvine Ranch Water District Summary of Real Estate - Income Producing Investments 3/31/2022

	ACQUISITION DATE	PROPERTY TYPE	OWNERSHIP INTEREST	 ORIGINAL COST	MA	LRKET VALUE 6/30/2021	ANNUALIZED RATE OF RETURN QUARTER ENDED 3/31/2022
Sycamore Canyon	Dec-92	Apartments	Fee Simple	\$ 43,550,810	\$	170,000,000	22.20%
Wood Canyon Villas	Jun-91	Apartments	Limited Partner	\$ 6,000,000	\$	32,258,924	8.51%
ITC (230 Commerce)	Jul-03	Office Building	Fee Simple	\$ 5,739,845	\$	12,000,000	9.95%
Waterworks Business Pk.	Nov-08	Research & Dev.	Fee Simple	\$ 8,630,577	\$	11,600,000	8.82%
Sand Canyon Professional Center - Medical Office	Jul-12	Medical Office	Fee Simple	\$ 8,648,594	\$	11,900,000	9.64%
Sand Canyon Professional Center - General Office	Sep-20	Office Building	Fee Simple	\$ 25,985,968	\$	33,250,000	-0.44%
Total - Income Properties				\$ 98,555,794	\$	271,008,924	12.41%

# IRVINE RANCH WATER DISTRICT INVESTMENT SUMMARY REPORT INVESTMENT ACTIVITY

Mar-22

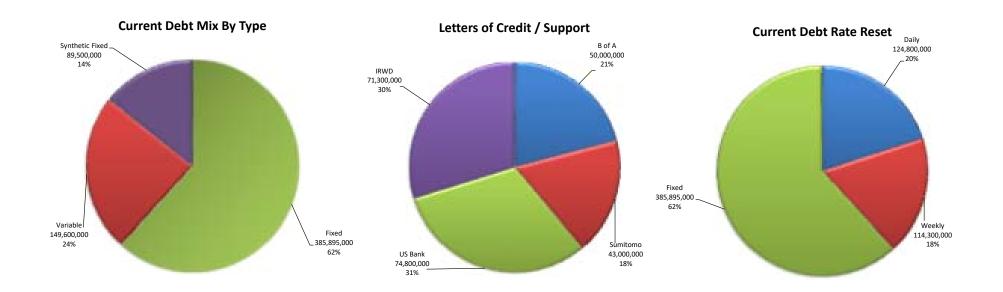
#### MATURITIES/SALES/CALLS

#### **PURCHASES**

				Settlement				YIELD TO
DATE	SECURITY TYPE	PAR	YIELD	Date	Maturity Date	SECURITY TYPE	PAR	MATURITY
3/11/2022	FHLB - Note	\$5,000,000	2.48%	3/10/2022	3/8/2024	FHLB - Note	\$10,000,000	1.68%
3/22/2022	FFCB - Note	\$10,000,000	0.09%	3/22/2022	2/29/2024	Treasury - Note	\$5,000,000	2.02%
3/31/2022	Treasury - Note	\$5,000,000	1.65%	3/22/2022	1/31/2024	Treasury - Note	\$5,000,000	2.01%
3/31/2022	Treasury - Note	\$5,000,000	0.06%	3/23/2022	9/30/2022	Treasury - Note	\$10,000,000	0.94%
				3/31/2022	11/30/2023	Treasury - Note	\$5,000,000	2.21%
				3/31/2022	10/31/2023	Treasury - Note	\$5,000,000	2.15%

#### Exhibit "B"

# Irvine Ranch Water District Summary of Fixed and Variable Rate Debt March 2022



#### **Outstanding Par by Series** Remaining Letter of **Issue Date Maturity Date** Principal Credit/Support Rmkt Agent Reset Series Percent Mode Series 1993 05/19/93 04/01/33 \$24,800,000 3.97% US Bank **BAML** Variable Daily Series 2008-A Refunding 04/24/08 07/01/35 \$43,000,000 6.88% Sumitomo BAML Variable Weekly Series 2011-A-1 Refunding 04/15/11 10/01/37 \$42,780,000 6.84% IRWD Goldman Variable Weekly Series 2011-A-2 Refunding 04/15/11 10/01/37 4.56% IRWD \$28,520,000 Goldman Variable Weekly Series 2009 - A 06/04/09 10/01/41 \$50,000,000 8.00% US Bank US Bank Variable Daily Series 2009 - B B of A 06/04/09 10/01/41 \$50,000,000 8.00% Goldman Variable Daily 2016 COPS 03/01/46 \$109,650,000 N/A 09/01/16 17.54% N/A Fixed Fixed 2010 Build America Taxable Bond 12/16/10 05/01/40 \$175,000,000 28.00% N/A N/A Fixed Fixed Series 2016 10/12/16 02/01/46 \$101,245,000 16.20% N/A N/A Fixed Fixed Total \$624,995,000 100.00%

#### IRVINE RANCH WATER DISTRICT

#### SUMMARY OF FIXED & VARIABLE RATE DEBT

March-22

**ITN**Daily

vveekiy																				
	GE	NERAL BO	ND INFORMA	TION					LE	TTER OF CRE	DIT INFOR	RMATION				TRUSTEE INFORMATION				
VARIABLE RATE ISSUES	Issue Date	Maturity Date	Principal Payment Date	Payment Date	Original Par Amount	Remaining Principal	Letter of Credit	Reimbursment Agreement Date		MOODYS	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	\$24,800,000	US BANK	05/07/15	05/01/25	Aa3/VMIG1	AA-/A-1+	N/R	\$25,134,290	0.3000%	\$75,403	BAML	DAILY	0.10%	\$24,800	BANK OF NY
SERIES 2008-A Refunding	04/24/08	07/01/35	Jul 1	5th Bus. Day	\$60,215,000	\$43,000,000	SUMITOMO	04/01/11	05/28/25	A1/P-1	A/A-1	A/F1	\$43,636,164	0.3150%	\$137,454	BAML	WED	0.07%	\$30,100	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	05/16/22	Aa2/VMIG 1	A/A-1	A1/F1+	\$50,558,904	0.3000%	\$151,677	Goldman	DAILY	0.10%	\$50,000	US BANK

\$349,430,000 \$239,100,000 SUB-TOTAL VARIABLE RATE DEBT \$169,888,263 0.3038% \$516,210 0.10% \$229,025 (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 Feb/Aug \$103,400,000 \$101,245,000 SERIES 2016 10/12/16 02/01/46 Feb 1 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 \$624,995,000 TOTAL- FIXED & VARIABLE RATE DEBT

Remark	eting Agents			GO VS COP's	
Goldman	121,300,000	51%	GO:	515,345,000	82%
BAML	67,800,000	28%	COPS:	109,650,000	18%
US Bank	50,000,000	21%	Total	624,995,000	
	239,100,000				

LOC	Banks	Breakdown Between	een Variable & Fixed R	ate Mode
		Daily Issues	124,800,000	20%
SUMITOMO	43,000,000	Weekly Issues	43,000,000	7%
BANK OF AMERICA	50,000,000	ITN Issues	71,300,000	11%
US BANK	74,800,000	Sub-Total	239,100,000	
	167,800,000			
		Fixed Rate Issues	\$385,895,000	62%
		Sub-Total - Fixed	385,895,000	
		TOTAL DEBT		
		FIXED & VAR.	624,995,000	100%

#### SUMMARY OF DEBT RATES Mar-22

Rmkt Agent	GOLDMAN	GOLDMAN	GOLDMAN	MERRIL	L LYNCH	US BANK
Mode	DAILY	WEEKLY	WEEKLY	DAILY	WEEKLY	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	24,800,000	43,000,000	50,000,000
LOC Bank	BOFA	(SIFMA + 6)	(SIFMA + 6)	US BANK	Sumitomo	US BANK
Reset		Wednesday	Wednesday		Wednesday	
					,	•
3/1/2022	0.02%	0.26%	0.26%	0.04%	0.19%	0.05%
3/2/2022	0.02%	0.26%	0.26%	0.04%	0.19%	0.04%
3/3/2022	0.02%	0.26%	0.26%	0.02%	0.20%	0.03%
3/4/2022	0.03%	0.26%	0.26%	0.02%	0.20%	0.04%
3/5/2022	0.03%	0.26%	0.26%	0.02%	0.20%	0.04%
3/6/2022	0.03%	0.26%	0.26%	0.02%	0.20%	0.04%
3/7/2022	0.03%	0.26%	0.26%	0.04%	0.20%	0.04%
3/8/2022	0.06%	0.26%	0.26%	0.05%	0.20%	0.07%
3/9/2022	0.10%	0.26%	0.26%	0.08%	0.20%	0.10%
3/10/2022	0.12%	0.30%	0.30%	0.13%	0.23%	0.13%
3/11/2022	0.12%	0.30%	0.30%	0.15%	0.23%	0.16%
3/12/2022	0.12%	0.30%	0.30%	0.15%	0.23%	0.16%
3/13/2022	0.12%	0.30%	0.30%	0.15%	0.23%	0.16%
3/14/2022	0.12%	0.30%	0.30%	0.16%	0.23%	0.16%
3/15/2022	0.12%	0.30%	0.30%	0.16%	0.23%	0.14%
3/16/2022	0.12%	0.30%	0.30%	0.16%	0.23%	0.18%
3/17/2022	0.27%	0.43%	0.43%	0.24%	0.37%	0.25%
3/18/2022	0.35%	0.43%	0.43%	0.30%	0.37%	0.33%
3/19/2022	0.35%	0.43%	0.43%	0.30%	0.37%	0.33%
3/20/2022	0.35%	0.43%	0.43%	0.30%	0.37%	0.33%
3/21/2022	0.32%	0.43%	0.43%	0.35%	0.37%	0.33%
3/22/2022	0.35%	0.43%	0.43%	0.36%	0.37%	0.34%
3/23/2022	0.35%	0.43%	0.43%	0.38%	0.37%	0.36%
3/24/2022	0.35%	0.55%	0.55%	0.38%	0.46%	0.39%
3/25/2022	0.35%	0.55%	0.55%	0.38%	0.46%	0.39%
3/26/2022	0.35%	0.55%	0.55%	0.38%	0.46%	0.39%
3/27/2022	0.35%	0.55%	0.55%	0.38%	0.46%	0.39%
3/28/2022	0.34%	0.55%	0.55%	0.38%	0.46%	0.39%
3/29/2022	0.34%	0.55%	0.55%	0.37%	0.46%	0.39%
3/30/2022	0.34%	0.55%	0.55%	0.35%	0.46%	0.39%
3/31/2022	0.32%	0.57%	0.57%	0.33%	0.47%	0.37%
Avg Interest Rates	0.20%	0.38%	0.38%	0.21%	0.31%	0.22%
Rmkt Fee	0.10%	0.13%	0.13%	0.10%	0.07%	0.07%
LOC Fee	0.30%			0.30%	0.32%	0.30%
All-In Rate	0.60%	0.51%	0.51%	0.61%	0.70%	0.59%
Par Amount	92	2,780,000	28,520,000	67,80	0,000	50,000,000

	Percent of		Par	Weighted All-In		Base Rate
	Total Variable Rate		Outstanding	Average Rate		Average
Interest Rate Mode	Debt					
Daily	52.20%		124,800,000	0.60%		0.21%
Weekly	47.80%		114,300,000	0.58%		0.36%
	100.00%	\$	239,100,000	0.59%		0.28%
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 Inclu	ding \$60 Million Notic	onal A	Amount of Swaps			3.09%

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

Note: This page is intentionally left blank.

#### Exhibit "C"

# Irvine Ranch Water District Interest Rate Swap Summary March 2022

	Prior Mo.	Current Mo.	12-Mo Avg
LIBOR Avg %	0.15%	0.40%	0.12%

	Current Fiscal Year Active Swaps							Cash Flow		(Since 3/07)	Mark to Market		
	Maturity	Years to	Counter		_	Base			Current		Cumulative	Current Mark to	Notional
Effective Date	Date	Maturity	Party	Notional Amt	Type	Index	Fixed Rate	Prior Month	Month	Fiscal YTD	Net Accrual	Market	Difference
<u>-</u>							<del>_</del>	<u>-</u>			<del>_</del>	<u>-</u>	·-
	Fixed Paye	er Swaps - By	Effective Da	ite									
3/10/2007	3/10/2029	6.9	ML	30,000,000	FXP	LIBOR	5.687%	(125,204	(149,725)	(1,258,141)	(21,017,408)	23,406,556	(6,593,444)
3/10/2007	3/10/2029	6.9	CG	30,000,000	FXP	LIBOR	5.687%	(125,204	(149,725)	(1,258,141)	(21,017,408)	23,407,474	(6,592,526)
Totals/Weighte	ed Avgs	6.9	•	\$ 60,000,000			5.687%	\$ (250,408	\$ (299,450)	\$ (2,516,282)	\$ (42,034,815)	\$ 46,814,030	\$ (13,185,970)
Total Current	Year												
Active Swaps	5			\$ 60,000,000				\$ (250,408	\$ (299,450)	\$ (2,516,282)	\$ (42,034,815)	\$ 46,814,030	\$ (13,185,970)

	Current Fiscal Year Terminated Swaps					Cas	h Flow		Mark to	Market				
		Maturity		Counter			Base		Prior	Current		Cumulative	Current Mark to	Notional
Effect	ive Date	Date		Party	Notional Amt	Type	Index	Fixed Rate	Month	Month	Fiscal YTD	Net Accrual	Market	Difference

Prior

Month

**Total Current Year Terminated Swaps** 

\$ -

**Current Fiscal Year - Total Swaps** 

\$ - \$ - \$ - \$ -

**Cash Flow** 

Cumulative

**Net Accrual** 

Current

Month

·

Mark to Market

Current Mark to Notional

Market Difference

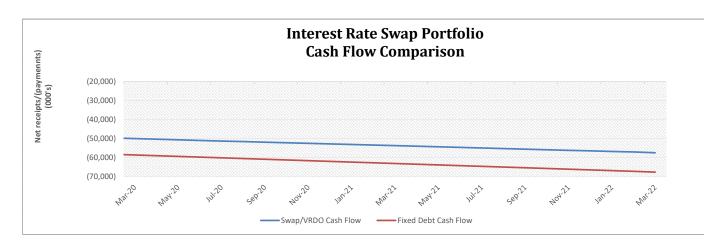
Total Current Year Active & Terminated Swaps

60,000,000

\$ (250,408) \$ (299,450) \$ (2,516,282) \$ (42,034,815) \$

Fiscal YTD

46,814,030 \$



Cash Flow Comparison Synthetic Fixed vs. Fixed Rate Debt

Cash Flow to Date

Synthetic Fixed = \$57,400,066

Fixed Rate = \$67,585,149

#### Assumptions:

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

Note: This page is intentionally left blank.

#### Exhibit "D"

CHECK OR	DAVAGE:	a:	DAVARENT	PAYMENT	CT4
ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
425269	3-Mar-22	Arbogast, Ryan P	33.05	IRWD Check	Reconciled
425270	3-Mar-22	Kulick, Michael	242.00	IRWD Check	Reconciled
425271	3-Mar-22	Nicholson, Darin	101.00	IRWD Check	Reconciled
425272	3-Mar-22	Perez, Rodolfo (Rudy)	343.00	IRWD Check	Reconciled
425273	3-Mar-22	Spangenberg, Carl W (Carl) ORANGE COUNTY BUSINESS COUNCIL	622.63 5,000.00	IRWD Check	Reconciled
425274 425275	3-Mar-22 3-Mar-22	8X8 INC	10,524.53	IRWD Check IRWD Check	Reconciled Reconciled
425276	3-Mar-22	ABM INDUSTRY GROUPS, LLC	24,516.09	IRWD Check	Reconciled
425277	3-Mar-22	ACCUSOURCE, INC.	178.84	IRWD Check	Reconciled
425278	3-Mar-22	ADS CORP.	2,325.00	IRWD Check	Reconciled
425279	3-Mar-22	AECOM TECHNICAL SERVICES, INC.	153,703.03	IRWD Check	Reconciled
425280	3-Mar-22	AIRGAS, INC.	142.96	IRWD Check	Reconciled
425281	3-Mar-22	ALAN SMITH POOL PLASTERING, INC	1,310.90	IRWD Check	Reconciled
425282	3-Mar-22	ALL AMERICAN ASPHALT	1,186.18	IRWD Check	Reconciled
425283	3-Mar-22	ALLIANCE APPRAISAL, LLC	3,000.00	IRWD Check	Reconciled
425284	3-Mar-22	ALLIANCE RESOURCE CONSULTING LLC	6,000.00	IRWD Check	Reconciled
425285	3-Mar-22	AMAZON CAPITAL SERVICES, INC.	909.77	IRWD Check	Reconciled
425286	3-Mar-22	AMERICAN TRUCK AND TRAILER OF SANTA ANA	1,334.99	IRWD Check	Reconciled
425287	3-Mar-22	AMWINS GROUP BENEFITS LLC	3,629.10	IRWD Check	Reconciled
425288	3-Mar-22	ANTHONY N. LARSEN	550.00	IRWD Check	Reconciled
425289	3-Mar-22	APCO GRAPHICS INC	266.18	IRWD Check	Reconciled
425290	3-Mar-22	AT&T	384.61	IRWD Check	Reconciled
425291	3-Mar-22	AT&T	56.60	IRWD Check	Reconciled
425292	3-Mar-22	AT&T	711.16	IRWD Check	Reconciled
425293	3-Mar-22	ATLAS INTEGRATED SYSTEMS INC.	4,560.84	IRWD Check	Reconciled
425294	3-Mar-22	AUTOZONE PARTS, INC.	1,240.76	IRWD Check	Reconciled
425295	3-Mar-22	BAVCO BACKFLOW APPARATUS & VALVE COMPANY	170.98	IRWD Check	Reconciled
425296	3-Mar-22	BOFA SECURITIES, INC.	6,250.96	IRWD Check	Reconciled
425297	3-Mar-22	BRIGHT MARKET, LLC	1,431.00	IRWD Check	Reconciled
425299	3-Mar-22	C WELLS PIPELINE MATERIALS INC	6,886.31	IRWD Check	Reconciled
425300	3-Mar-22	CALIFORNIA BARRICADE RENTAL, INC.	9,462.50	IRWD Check	Reconciled
425301	3-Mar-22	CALIFORNIA GATE AND ENTRY SYSTEMS	838.55	IRWD Check	Reconciled
425302	3-Mar-22	CANON SOLUTIONS AMERICA, INC.	32.82 79.00	IRWD Check IRWD Check	Reconciled
425303 425304	3-Mar-22 3-Mar-22	CAPTIVE AUDIENCE MARKETING INC. CAROLLO ENGINEERS, INC	14,940.00	IRWD Check	Reconciled Reconciled
425304	3-Mar-22	CDW GOVERNMENT LLC	4,476.24	IRWD Check	Reconciled
425305	3-Mar-22	CHELOLETTY ENGINEERING	1,744.10	IRWD Check	Reconciled
425307	3-Mar-22	CHO DESIGN ASSOCIATES, INC	800.00	IRWD Check	Reconciled
425308	3-Mar-22	CLARKE MOSQUITO CONTROL PRODUCTS, INC.	37,041.36	IRWD Check	Reconciled
425309	3-Mar-22	COAST PACIFIC BUILDERS INC	304.07	IRWD Check	Reconciled
425310	3-Mar-22	COASTAL OCCUPATIONAL MEDICAL GROUP, INC.	1,226.33	IRWD Check	Reconciled
425311	3-Mar-22	COLONIAL LIFE & ACCIDENT INSURANCE CO.	652.98	IRWD Check	Reconciled
425312	3-Mar-22	COMMERCIAL SCAFFOLDING OF CA, INC.	13,410.30	IRWD Check	Reconciled
425313	3-Mar-22	CONSTELLATION NEWENERGY, INC.	77,287.76	IRWD Check	Reconciled
425314	3-Mar-22	COUNTY OF ORANGE	78,265.94	IRWD Check	Reconciled
425315	3-Mar-22	COX COMMUNICATIONS, INC.	262.72	IRWD Check	Reconciled
425316	3-Mar-22	D & H WATER SYSTEMS INC.	2,019.45	IRWD Check	Reconciled
425317	3-Mar-22	DAVIS FARR LLP	2,650.00	IRWD Check	Reconciled
425318	3-Mar-22	DELL MARKETING LP	97,397.60	IRWD Check	Reconciled
425319	3-Mar-22	DEPARTMENT OF HOUSING & COMMUNITY DEVELOPMENT	2,023.21	IRWD Check	Reconciled
425320	3-Mar-22	DIRECTV INC	146.99	IRWD Check	Reconciled
425321	3-Mar-22	DISTRICT ONE WEST BA 153, LLC	256.19	IRWD Check	Reconciled
425322	3-Mar-22	DPR CONSTRUCTION	743.72	IRWD Check	Negotiable
425323	3-Mar-22	DUDEK	6,077.50	IRWD Check	Reconciled
425324	3-Mar-22	DUDLEY RIDGE WATER DISTRICT	16,910.51	IRWD Check	Reconciled
425325	3-Mar-22	DXP ENTERPRISES, INC.	13,763.76	IRWD Check	Reconciled
425326	3-Mar-22	EAST ORANGE COUNTY WATER DISTRICT	3,399.67	IRWD Check	Reconciled
425327	3-Mar-22	ENTERPRISE HOLDINGS, INC.	7,000.00	IRWD Check	Reconciled
425328	3-Mar-22	ENVIRONMENTAL EXPRESS INC	567.45	IRWD Check	Reconciled
425329	3-Mar-22	ENVIRONMENTAL RESOURCE ASSOCIATES	173.88	IRWD Check	Reconciled
425330	3-Mar-22	EUROFINS ENVIRONMENT TESTING AMERICA HOLDINGS, INC.	5,223.75	IRWD Check	Reconciled
425331	3-Mar-22	EVERETT DOREY LLP	2,921.50	IRWD Check	Reconciled
425332	3-Mar-22	EXECUTIVE LIGHTING & ELECTRIC	3,685.96	IRWD Check	Reconciled
425333	3-Mar-22 3-Mar-22	FASTBLUE COMMUNICATIONS INC.	1,917.00	IRWD Check	Reconciled
425334 425335	3-Mar-22	FERGUSON ENTERPRISES, LLC	308.25 19,859.58	IRWD Check IRWD Check	Reconciled Reconciled
425336 425336	3-Mar-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	6,597.64	IRWD Check	Reconciled
723330	3 IVIUI 22		0,557.04	CIICCK	Accondict

CHECK OR ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	PAYMENT METHOD	STATUS
425337	3-Mar-22	FIRE EXTINGUISHING SAFETY & SERVICE	503.86	IRWD Check	Reconciled
425338	3-Mar-22	FISHER SCIENTIFIC COMPANY LLC	7,812.98	IRWD Check	Reconciled
425339	3-Mar-22	FLUID SOUND, INC.	301.28	IRWD Check	Reconciled
425340	3-Mar-22	FRONTIER CALIFORNIA INC.	290.73	IRWD Check	Reconciled
425341	3-Mar-22	FUSCOE ENGINEERING, INC.	8,881.00	IRWD Check	Reconciled
425342	3-Mar-22	GANAHL LUMBER CO.	3,825.61	IRWD Check	Reconciled
425343	3-Mar-22	GARY BALE REDI-MIX CONCRETE, INC.	824.83	IRWD Check	Reconciled
425344	3-Mar-22	GEORGE T. HALL CO., INC.	21,092.07	IRWD Check	Reconciled
425345	3-Mar-22	GHAI, ASTHA	1,015.66	IRWD Check	Reconciled
425346	3-Mar-22	GOLDMAN, SACHS & CO. LLC	12,602.74	IRWD Check	Reconciled
425347	3-Mar-22	GRAVIDAR FLECTRIC COMPANY	10,672.18	IRWD Check	Reconciled
425348 425349	3-Mar-22 3-Mar-22	GRAYBAR ELECTRIC COMPANY GSE CONSTRUCTION CO., INC	536.67 54,546.10	IRWD Check IRWD Check	Reconciled Reconciled
425359	3-Mar-22	GUY L WARDEN & SONS	1,069.93	IRWD Check	Reconciled
425350	3-Mar-22	HACH COMPANY	3,975.63	IRWD Check	Reconciled
425352	3-Mar-22	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY	50.88	IRWD Check	Reconciled
425353	3-Mar-22	HAZEN AND SAWYER	8,026.25	IRWD Check	Reconciled
425354	3-Mar-22	HDR ENGINEERING INC	6,995.00	IRWD Check	Reconciled
425355	3-Mar-22	HELPMATES STAFFING SERVICES LLC	1,828.80	IRWD Check	Reconciled
425356	3-Mar-22	HI-LINE INC	309.98	IRWD Check	Reconciled
425357	3-Mar-22	HILL BROTHERS CHEMICAL COMPANY	14,547.25	IRWD Check	Reconciled
425358	3-Mar-22	HOME DEPOT USA INC	453.54	IRWD Check	Reconciled
425359	3-Mar-22	HOWDEN USA COMPANY	22,285.93	IRWD Check	Reconciled
425360	3-Mar-22	INDUSTRIAL METAL SUPPLY CO	1,885.38	IRWD Check	Reconciled
425361	3-Mar-22	INFOSEND, INC.	38,076.02	IRWD Check	Reconciled
425362	3-Mar-22	INNOVATIVE MACHINE TOOL REPAIR LLC	898.75	IRWD Check	Reconciled
425363	3-Mar-22	IRVINE PACIFIC	665.82	IRWD Check	Reconciled
425364	3-Mar-22	IRVINE PIPE & SUPPLY INC	1,725.30	IRWD Check	Reconciled
425365	3-Mar-22	IRWD-PETTY CASH CUSTODIAN	1,171.51	IRWD Check	Reconciled
425366	3-Mar-22	JAMBOREE SMOG	116.00	IRWD Check	Negotiable
425367 425368	3-Mar-22 3-Mar-22	JCI JONES CHEMICALS INC	10,287.73	IRWD Check	Reconciled
425369	3-Mar-22	KAESER COMPRESSORS, INC. KB HOMES	2,673.93 880.33	IRWD Check IRWD Check	Reconciled Negotiable
425370	3-Mar-22	KIMBALL MIDWEST	1,253.41	IRWD Check	Reconciled
425370	3-Mar-22	LA HABRA FENCE COMPANY INC	9,016.00	IRWD Check	Reconciled
425371	3-Mar-22	LABELLE-MARVIN INC	9,962.00	IRWD Check	Reconciled
425373	3-Mar-22	LAGUNA BEACH COUNTY WATER DISTRICT	9,071.47	IRWD Check	Reconciled
425374	3-Mar-22	LANDCARE HOLDINGS, INC.	94,636.30	IRWD Check	Reconciled
425375	3-Mar-22	LEIGHTON CONSULTING, INC.	2,074.30	IRWD Check	Reconciled
425376	3-Mar-22	LENNAR HOMES OF CALIFORNIA, INC.	928.26	IRWD Check	Reconciled
425377	3-Mar-22	LIEBERT CASSIDY WHITMORE	487.50	IRWD Check	Reconciled
425378	3-Mar-22	LILLESTRAND LEADERSHIP CONSULTING, INC.	16,600.00	IRWD Check	Reconciled
425379	3-Mar-22	LINDE GAS & EQUIPMENT INC.	1,743.60	IRWD Check	Reconciled
425380	3-Mar-22	MARK THOMAS & COMPANY, INC.	1,044.19	IRWD Check	Reconciled
425381	3-Mar-22	MARQUES CARVALHAES SLIVA, JACQUELINE	708.96	IRWD Check	Reconciled
425382	3-Mar-22	MC FADDEN-DALE INDUSTRIAL	35.51	IRWD Check	Reconciled
425383	3-Mar-22	MERRIMAC PETROLEUM, INC.	60,380.16	IRWD Check	Reconciled
425384	3-Mar-22	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	1,950.22	IRWD Check	Reconciled
425385 425386	3-Mar-22 3-Mar-22	MUTUAL PROPANE NATIONAL READY MIXED CONCRETE SALES, LLC	356.74 1,780.08	IRWD Check IRWD Check	Reconciled Reconciled
425387	3-Mar-22	NEWPORT BAY CONSERVANCY	35.00	IRWD Check	Reconciled
425388	3-Mar-22	NMG GEOTECHNICAL INC	6,598.20	IRWD Check	Reconciled
425389	3-Mar-22	O'DONNELL CONSTRUCTION, INC	1,255.82	IRWD Check	Reconciled
425390	3-Mar-22	O'REILLY AUTO ENTERPRISES, LLC	20.26	IRWD Check	Reconciled
425391	3-Mar-22	O.C. SUPERIOR CUSTOM CLEANING	712.00	IRWD Check	Reconciled
425392	3-Mar-22	OLIN CORPORATION	44,813.94	IRWD Check	Reconciled
425393	3-Mar-22	ONYX PAVING COMPANY INC.	19,744.00	IRWD Check	Reconciled
425394	3-Mar-22	ORACLE AMERICA, INC.	367.04	IRWD Check	Reconciled
425395	3-Mar-22	ORACLE APPLICATIONS USERS GROUP	1,095.00	IRWD Check	Reconciled
425396	3-Mar-22	ORANGE COUNTY AUTO PARTS CO	1,951.13	IRWD Check	Reconciled
425397	3-Mar-22	ORANGE COUNTY FIRE AUTHORITY	202.00	IRWD Check	Reconciled
425398	3-Mar-22	ORRICK, HERRINGTON & SUTCLIFFE LLP	30,000.00	IRWD Check	Reconciled
425399	3-Mar-22	PACIFIC COAST BOLT CORP	932.08	IRWD Check	Reconciled
425400	3-Mar-22	PACIFIC PARTS & CONTROLS INC	1,198.10	IRWD Check	Reconciled
425401	3-Mar-22	PAPER DEPOT DOCUMENT DESTRUCTION LLC	300.00	IRWD Check	Reconciled
425402	3-Mar-22	PARADA PAINTING INC	3,000.00	IRWD Check	Reconciled
425403	3-Mar-22	PARKSIDE COMM ASSOC	1,755.36	IRWD Check	Reconciled

	CHECK OR				PAYMENT	
3-Mar-22   PASCAL R. LUDWIG CONSTRUCTORS   1,986.27   18WD Check   Reconciled   425407   3-Mar-22   PFIS IND STANSES, INC.   115.90   IMVD Check   Reconciled   425407   3-Mar-22   PFIS IND STANSES, INC.   115.90   IMVD Check   Reconciled   425409   3-Mar-22   PSIS IND STANSES, INC.   14,20300   IMVD Check   Reconciled   425409   3-Mar-22   PSIS IND STANSES, INC.   14,20300   IMVD Check   Reconciled   425401   3-Mar-22   INVD Check   Reconciled   425411   3-Mar-22   INVD Check   Reconciled   425412   3-Mar-22   INVD Check   RECONCILED   A25412   3-Mar-22   INVD Check   RECONCILED   A25414   3-Mar-22   INVD Check   RECONCILED   A25414   3-Mar-22   INVD Check   RECONCILED   A25415   3-Mar-22   INVD Check	ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
AST-1000   A-Mar-12   PATROT PAVING INC   1.132.00   INVO Check   Reconciled						
3-Mar-22   PRIS   DOLFRES ALES, INC.   11.83   INV. Check   Reconsider   475-499   3-Mar-22   PSOMAS   11,33000   INV. Check   Reconsider   475-4919   3-Mar-22   PSOMAS   11,33000   INV. Check   Reconsider   475-411   3-Mar-22   REFEREND PAIN (D. C. )   10,0000   INV. Check   Reconsider   475-411   3-Mar-22   REFEREND PAIN (D. C. )   10,0000   INV. Check   Reconsider   475-413   3-Mar-22   REFEREND PAIN (S. P. C. )   10,0000   INV. Check   Reconsider   475-413   3-Mar-22   REFEREND PAIN (S. P. C. )   10,0000   INV. Check   Reconsider   475-413   3-Mar-22   REFEREND PAIN (S. P. C. )   10,0000   INV. Check   Reconsider   475-413   3-Mar-22   REFEREND PAIN (S. P. C. )   10,0000   INV. Check   Reconsider   475-413   3-Mar-22   REFEREND PAIN (S. P. C. )   10,0000   INV. Check   Reconsider   475-413   3-Mar-22   REFEREND PAIN (S. P. C. )   10,0000   INV. Check   Reconsider   475-413   3-Mar-22   REFEREND PAIN (S. P. C. )   10,0000   INV. Check   RECONSIDER   475-413   3-Mar-22   SAMTA ANA BLUE PRINT   2,483 8 INV. Check   RECONSIDER   475-420   3-Mar-22   SOLITIERN CORPORATION   236,62   INV. Check   Reconsider   475-420   3-Mar-22   SOLITIERN CORPORAT						
3-Mar-22   POSMAS   1-300.00   INVO DECC   Reconciled   425401   3-Mar-22   COUNDENT FINANCE USA, INC.   2,000.00   INVO DECC   Reconciled   425411   3-Mar-22   COUNDENT FINANCE USA, INC.   3.000.00   INVO DECC   Reconciled   425412   3-Mar-22   REPUTATION   3.000.00   INVO DECC   Reconciled   425412   3-Mar-22   REPUTATION   3.000.00   INVO DECC   RECONCILED   425413   3-Mar-22   REPUTATION   3.000.00   INVO DECC   RECONCILED   425414   3-Mar-22   REPUTATION   3.000.00   INVO DECC   RECONCILED   425415   3-Mar-22   REPUTATION   3.000.00   INVO DECC   RECONCILED   425415   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425415   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425415   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425421   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425421   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425421   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425421   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425421   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425421   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425421   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425421   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425420   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425420   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425420   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425420   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425420   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425420   3-Mar-22   SORREY NUMBER SYSTEMS, INC   3.000.00   INVO DECC   RECONCILED   425420   3-Mar-22   SORREY N						
425409   3-Mar-22   PSOMAS   14,500.00   PRVO Check   Reconcised   425411   3-Mar-22   R.F. MACDONALD CO.   96.00.01   RWO Check   Reconcised   425412   3-Mar-22   R.F. MACDONALD CO.   96.00.01   RWO Check   Reconcised   425413   3-Mar-22   RAM ARR RINNERSING INC   11,60434   RWO Check   Reconcised   425415   3-Mar-22   REFRICERATION SUPPLIES DISTRIBUTOR   3,365.78   RWO Check   Reconcised   425415   3-Mar-22   REFRICERATION SUPPLIES DISTRIBUTOR   3,365.78   RWO Check   Reconcised   425416   3-Mar-22   RURSHING CSALD RESIDENCE   33.32   RWO Check   Reconcised   425416   3-Mar-22   RURSHING CSALD RESIDENCE   33.32   RWO Check   Reconcised   425418   3-Mar-22   SANTA ANA BULF BINT   2,488.38   RWO Check   Reconcised   425419   3-Mar-22   SANTA ANA BULF BINT   2,488.38   RWO Check   Reconcised   425420   3-Mar-22   SANTA ANA BULF BINT   2,488.38   RWO Check   Reconcised   425421   3-Mar-22   SANTA ANA BULF BINT   2,488.38   RWO Check   Reconcised   425421   3-Mar-22   SANTA ANA BULF BINT   2,488.38   RWO Check   Reconcised   425421   3-Mar-22   SANTA ANA BULF BINT   2,488.38   RWO Check   Reconcised   425421   3-Mar-22   SULFIERS CALE PORNIA EDISON COMPANY   3,600.00   RWO Check   Reconcised   425422   3-Mar-22   SULFIERS CALE PORNIA EDISON COMPANY   3,600.00   RWO Check   Reconcised   425422   3-Mar-22   SULFIERS CALE PORNIA EDISON COMPANY   20,810.17   RWO Check   Reconcised   425422   3-Mar-22   SULFIERS CALE PORNIA EDISON COMPANY   20,810.17   RWO Check   Reconcised   425420   3-Mar-22   SULFIERS CALE PORNIA EDISON COMPANY   20,810.17   RWO Check   Reconcised   425420   3-Mar-22   SULFIERS CALE PORNIA EDISON COMPANY   20,810.17   RWO Check   Reconcised   425420   3-Mar-22   TANTECOMMENTA EDISON COMPANY   20,810.17   RWO Check   Reconcised   425420   3-Mar-22   TANTECOMMENTA EDISON COMPANY   20,810.17   RWO Check   Reconcised   425420   3-Mar-22   TANTECOMMENTA EDISON COMPANY   20,810.17   RWO Check   Reconcised   425420   3-Mar-22   TANTECOMMENTA EDISON COMPANY   20,810.17   RWO Check   Reconcised   425420						
429-110 3-Mar-22 GUADREN FRANCE USA, INC. 9,000 IRWO Check Reconcided 429-112 3-Mar-22 RAM ARR KNONETRING INC. 9,600 IRWO Check Reconcided 429-113 3-Mar-22 RAM ARR KNONETRING INC. 11,694.34 IRWO Check Reconcided 429-114 3-Mar-22 RICHARD CS, SADE & ASSOCIATES LC 11,100.33 IRWO Check Reconcided 429-114 3-Mar-22 RICHARD CS, SADE & ASSOCIATES LC 11,100.33 IRWO Check Reconcided 429-116 3-Mar-22 ROBERTSON, CHISTOPHER 313.32 IRWO Check Reconcided 429-116 3-Mar-22 ROBERTSON, CHISTOPHER 313.32 IRWO Check Reconcided 429-116 3-Mar-22 SARTA ALMA BLUF PRINT 248-83.8 IRWO Check Reconcided 429-117 3-Mar-22 SARTA ALMA BLUF PRINT 248-83.8 IRWO Check Reconcided 429-117 3-Mar-22 SARTA ALMA BLUF PRINT 248-83.8 IRWO Check Reconcided 429-117 3-Mar-22 SARTA ALMA BLUF PRINT 248-83.8 IRWO Check Reconcided 429-117 3-Mar-22 SARTA ALMA BLUF PRINT 348-348-348-348-348-348-348-348-348-348-						
425411   3-Mar-22   K.F. MACDONALD CO.   950.00   INVO Check   Reconciled   425413   3-Mar-122   RAM ARE KININEENING   11,694.34   INVO Check   Reconciled   425413   3-Mar-122   REFRICERATION SUPPLIES DISTRIBUTOR   3.365.78   INVO Check   Reconciled   425415   3-Mar-122   REFRICERATION SUPPLIES DISTRIBUTOR   3.365.78   INVO Check   Reconciled   425416   3-Mar-122   RECONCILED   ASSOCIATION SUPPLIES DISTRIBUTOR   3.313.22   INVO Check   Reconciled   425417   3-Mar-122   SAFETY-KLEEN SYSTEMS, INC   307.30   INVO Check   Reconciled   425418   3-Mar-122   SAFETY-KLEEN SYSTEMS, INC   307.30   INVO Check   Reconciled   425419   3-Mar-122   SAFETY-KLEEN SYSTEMS, INC   326.22   INVO Check   Reconciled   425421   3-Mar-122   SAFETY-KLEEN SYSTEMS, INC   326.22   INVO Check   Reconciled   425421   3-Mar-122   SAFETY-KLEEN SYSTEMS, INC   326.22   INVO Check   Reconciled   425421   3-Mar-122   SAFETY-KLEEN SYSTEMS, INC   326.22   INVO Check   Reconciled   425421   3-Mar-122   SAFETY-KLEEN SYSTEMS, INC   326.22   INVO Check   Reconciled   425421   3-Mar-122   SAFETY-KLEEN SYSTEMS, INC   326.22   INVO Check   Reconciled   425421   3-Mar-122   SAFETY-KLEEN SYSTEMS, INC   326.22   INVO Check   Reconciled   425421   3-Mar-122   SAFETY-KLEEN SYSTEMS, INC   326.22   INVO Check   Reconciled   425422   3-Mar-122   SOUTHERN CALLORINA ESSONI COMPANY   3.26.22   INVO Check   Reconciled   425426   3-Mar-122   SOUTHERN CALLORINA ESSONI COMPANY   3.26.22   INVO Check   Reconciled   425426   3-Mar-122   SOUTHERN CALLORINA ESSONI COMPANY   3.26.22   INVO Check   Reconciled   425426   3-Mar-122   SOUTHERN CALLORINA ESSONI COMPANY   3.26.22   INVO Check   Reconciled   425426   3-Mar-122   SOUTHERN CALLORINA ESSONI COMPANY   3.26.22   INVO Check   Reconciled   425426   3-Mar-122   SOUTHERN CALLORINA ESSONI COMPANY   3.26.22   INVO Check   Reconciled   425426   3-Mar-122   INVO Check   Reconciled   42542						
425412   3.14m, 22   SAM AR KNONERING NO.   11,694 34   RWD Once   Reconciled   425414   3.44m, 22   RICHARD C. SADE & ASSOCIATS LEC   11,103   RWD Once   Reconciled   425416   3.44m, 22   RICHARD C. SADE & ASSOCIATS LEC   11,103   RWD Once   Reconciled   425416   3.44m, 22   RICHARD C. SADE & ASSOCIATS LEC   11,103   RWD Once   Reconciled   425418   3.44m, 22   RICHARD C. SADE & ASSOCIATS LEC   11,103   RWD Once   Reconciled   425418   3.44m, 22   RWD Once   Reconciled   425418   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.34   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA ANA BLUE PIRINT   2,488.38   RWD Once   Reconciled   425419   3.44m, 22   SATITA						
425413   3-Mar-22   REFRICEATION SUPPLIES IDSTRIUTOR   3.36.578   RWD Check   Reconciled   425415   3-Mar-22   RIGEATION SUPPLIES IDSTRIUTOR   547.56   RWD Check   Reconciled   425416   3-Mar-22   SORETSON, CHISTOPHER   3.31.32   RWD Check   Reconciled   425417   3-Mar-22   SAFET-KLEEN SYSTEMS, INC   307.50   RWD Check   Reconciled   425418   3-Mar-22   SAFET-KLEEN SYSTEMS, INC   307.50   RWD Check   Reconciled   425419   3-Mar-22   SAFET-KLEEN SYSTEMS, INC   325.50   RWD Check   Reconciled   425419   3-Mar-22   SAFET-KLEEN SYSTEMS, INC   325.62   RWD Check   Reconciled   425419   3-Mar-22   SAFET-KLEEN SYSTEMS, INC   325.62   RWD Check   Reconciled   425412   3-Mar-22   SOUTHERN CALLFORNIA EISON COMPANY   127.22   RWD Check   Reconciled   425412   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.22   RWD Check   Reconciled   425412   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.22   RWD Check   Reconciled   425412   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.22   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.22   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.22   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.29   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.29   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.29   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.29   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.29   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.29   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.29   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.29   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COMPANY   127.20   RWD Check   Reconciled   425413   3-Mar-22   SUPPLEM CALLFORNIA EISON COM						
425141 A. 3-Mar-22 M. RICHARD C. SLADE & ASSOCIATES LEC         41,709.3 IRVO Check Reconciled         Reconciled           4251416 A. 3-Mar-22 ROBERTSON, CHRISTOPHER         313.82 IRVO Check         Reconciled           425141 A. 3-Mar-22 SANTA ANA BLUE PRINT         2,485.38 IRVO Check         Reconciled           425141 A. 3-Mar-22 SANTA ANA BLUE PRINT         2,485.38 IRVO Check         Reconciled           425410 A. 3-Mar-22 SANTA ANA BLUE PRINT         2,485.38 IRVO Check         Reconciled           425420 A. 3-Mar-22 SCHINDLER ELEVATOR CORPORATION         23.60 IRVO Check         Reconciled           425421 A. 3-Mar-22 SCHINDLER ELEVATOR CORPORATION         3,000 IRVO Check         Reconciled           425421 A. 3-Mar-22 SOUTHERN CALIFORNIA EDSON COMPANY         3,000 IRVO Check         Reconciled           425423 A. 3-Mar-22 SOUTHERN CALIFORNIA EDSON COMPANY         3,18,101 IRVO Check         Reconciled           425426 A. 3-Mar-22 SOUTHERN CALIFORNIA EDSON COMPANY         3,18,101 IRVO Check         Reconciled           425426 A. 3-Mar-22 SOUTHERN CALIFORNIA EDSON COMPANY         3,18,101 IRVO Check         Reconciled           425426 A. 3-Mar-22 STANTEC CONSULTING SERVICES INC.         3,15,101 IRVO Check         Reconciled           425427 A. 3-Mar-22 STANTEC CONSULTING SERVICES INC.         3,15,118 IRVO Check         Reconciled           425428 A. 3-Mar-22 IRVO Check         RECONCILED						
425415   3-Mar-22   RIGENTERPRIES, INC   313.82   RIVO Cheek   Reconciled   425417   3-Mar-22   SARET-YLEEN YSTEMS, INC   307.50   RIVO Cheek   Reconciled   425418   3-Mar-22   SARET-YLEEN YSTEMS, INC   307.50   RIVO Cheek   Reconciled   425419   3-Mar-22   SANTA ANA BULP PRINT   2.488.33   RIVO Cheek   Reconciled   425411   3-Mar-22   SANTA ANA BULP PRINT   2.488.33   RIVO Cheek   Reconciled   425421   3-Mar-22   SANTA ANA BULP RIVO CON CONTROL   2.66.62   RIVO Cheek   Reconciled   425421   3-Mar-22   SANTA ANA BULP RIVO CON COMPANY   3.60.00   RIVO Cheek   Reconciled   425423   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   3.60.00   RIVO Cheek   Reconciled   425423   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   2.01.80.17   RIVO Cheek   Reconciled   425426   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   2.01.80.17   RIVO Cheek   Reconciled   425426   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   2.01.80.17   RIVO Cheek   Reconciled   425426   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   2.01.80.17   RIVO Cheek   Reconciled   425426   3-Mar-22   STANTEC CONSULTING SERVICES INC   33.54.85   RIVO Cheek   Reconciled   425426   3-Mar-22   STANTEC CONSULTING SERVICES INC   3.50.85   RIVO Cheek   Reconciled   425426   3-Mar-22   TLE ROBERTS, INC   3.00.00   RIVO Cheek   Reconciled   425426   3-Mar-22   TLE ROBERTS, INC   3.00.00   RIVO Cheek   Reconciled   425426   3-Mar-22   TLE ROBERTS, INC   3.00.00   RIVO Cheek   Reconciled   425426   3-Mar-22   TLE ROBERTS, INC   3.00.00   RIVO Cheek   Reconciled   425426   3-Mar-22   TLE ROBERTS, INC   3.00.00   RIVO Cheek   Reconciled   425426   3-Mar-22   TLE ROBERTS, INC   3.00.00   RIVO Cheek   Reconciled   425426   3-Mar-22   TLE ROBERTS, INC   RIVO Cheek   Reconciled   425426   3-Mar-22   RIVO Cheek   Reconciled   425426   3-Mar-22						
425416   3-Mar-22   ROBERTSON, CHRISTOPHER   313.52   RWO Cheek   Reconciled   425418   3-Mar-22   SARTY ALBAS SYSTEMS, INC   307.50   307.50   425418   3-Mar-22   SARTY ALBAS SYSTEMS, INC   236.52   RWO Cheek   Reconciled   425420   3-Mar-22   SCHINDLER ELEVATOR CORPORATION   326.62   RWO Cheek   Reconciled   425421   3-Mar-22   SCHINDLER ELEVATOR CORPORATION   326.62   RWO Cheek   Reconciled   425422   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   3,600.00   RWO Cheek   Reconciled   425423   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   20,1810.17   RWO Cheek   Reconciled   425424   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   20,1810.17   RWO Cheek   Reconciled   425426   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   20,1810.17   RWO Cheek   Reconciled   425426   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   20,1810.17   RWO Cheek   Reconciled   425426   3-Mar-22   STATIOC CONSTRUMENT SOUTHERS, INC.   127.79   RWO Cheek   Reconciled   425427   3-Mar-22   STATIOC CONSTRUMENT SOUTHERS, INC.   10,777.00   RWO Cheek   Reconciled   425428   3-Mar-22   STATIOC RESIDENCES INC.   13,784.82   RWO Cheek   Reconciled   425429   3-Mar-22   TANIVISIONS, INC.   30,000   RWO Cheek   Reconciled   425429   3-Mar-2						
425417   3-Mar-22   SAETY-KLEEN SYSTEMS, INC   307.50   IRWO Check   Reconciled   425419   3-Mar-22   SANTA ANA BULP PRINT   2.48.83   IRWO Check   Reconciled   425421   3-Mar-22   SANTA ANA BULP PRINT   2.48.83   IRWO Check   Reconciled   425421   3-Mar-22   SANTA NA BULP CONTROL CORPORATION   236.62   IRWO Check   Reconciled   425421   3-Mar-22   SHAMROCK SUPPLY CO INC   62.206   IRWO Check   Reconciled   425423   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   3.600.00   IRWO Check   Reconciled   425423   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   217.82   IRWO Check   Reconciled   425425   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   217.82   IRWO Check   Reconciled   425426   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   217.79   IRWO Check   Reconciled   425426   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   217.79   IRWO Check   Reconciled   425426   3-Mar-22   STANTEC CONSULTING SERVICES INC   33,454.85   IRWO Check   Reconciled   425428   3-Mar-22   STANTEC CONSULTING SERVICES INC   33,454.85   IRWO Check   Reconciled   425428   3-Mar-22   TARROCKAIN, MERINAN   300.00   IRWO Check   Reconciled   425438   3-Mar-22   TARROCKAIN, MERINAN   300.00   IRWO Check   Reconciled   425438   3-Mar-22   TERRO TERROCKAIN, MERINAN   300.00   IRWO Check   Reconciled   425438   3-Mar-22   TERROT EDISON   TERROCKAIN, MERINAN   300.00   IRWO Check   Reconciled   425438   3-Mar-22   TERROT EDISON   TERROCKAIN   TERROCKAIN   TERROC						
425418   3-Mar-22   SANTA AMA BLUE FRINT   14.88.38   IRWO Check   Reconciled   425420   3-Mar-22   SCHINDER ELEVATOR CORPORATION   12.16.62   IRWO Check   Reconciled   425421   3-Mar-22   SCHINDER ELEVATOR CORPORATION   12.06.62   IRWO Check   Reconciled   425421   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   12.78.22   IRWO Check   Reconciled   425424   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   12.78.22   IRWO Check   Reconciled   425424   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   12.78.22   IRWO Check   Reconciled   425426   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   12.78.24   IRWO Check   Reconciled   425426   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   12.72.9   IRWO Check   Reconciled   425426   3-Mar-22   SPARALETTS   IRWO Check   Reconciled   425427   3-Mar-22   SPARALETTS   IRWO Check   Reconciled   425428   3-Mar-22   STANTEC CONSULTING SERVICES INC.   13.67.88   IRWO Check   Reconciled   425428   3-Mar-22   STANTEC CONSULTING SERVICES INC.   15.67.88   IRWO Check   Reconciled   425428   3-Mar-22   TANINSON, INC   15.07.88   IRWO Check   Reconciled   425430   3-Mar-22   TANINSON, INC   30.00   IRWO Check   Reconciled   425431   3-Mar-22   TANINSON, INC   30.00   IRWO Check   Reconciled   425431   3-Mar-22   TETRA TECH, INC   99.38   IRWO Check   Reconciled   425434   3-Mar-22   TETRA TECH, INC   99.38   IRWO Check   Reconciled   425436   3-Mar-22   TETRA TECH, INC   99.38   IRWO Check   Reconciled   425436   3-Mar-22   TETRA TECH, INC   99.38   IRWO Check   Reconciled   425436   3-Mar-22   TETRA TECH, INC   99.38   IRWO Check   Reconciled   425436   3-Mar-22   TETRA TECH, INC   99.38   IRWO Check   Reconciled   425436   3-Mar-22   TRAFFIC MANAGEMENT, INC   99.38   IRWO Check   Reconciled   425436   3-Mar-22   TRAFFIC MANAGEMENT, INC   99.38   IRWO Check   Reconciled   425436   3-Mar-22   TRAFFIC MANAGEMENT, INC   15.80   IRWO Check   Reconciled   425436   3-Mar-22   VINTED PARCEL SERVICE INC   15.90   IRWO Check   Reconciled   425436   3-Mar-22   VINTED PARCEL SERVICE INC						
425419   3-Mar - 22   SANTA MARGARITA FORD   84.13.8   IRWO check   Reconciled   425421   3-Mar - 22   SHAMBOCK SUPPLY CO INC   62.06   IRWO Check   Reconciled   425421   3-Mar - 22   SHAMBOCK SUPPLY CO INC   62.06   IRWO Check   Reconciled   425423   3-Mar - 22   SOUTHERN CALIFORNIA EDISON COMPANY   3.00.00   IRWO Check   Reconciled   425423   3-Mar - 22   SOUTHERN CALIFORNIA EDISON COMPANY   17.72   IRWO Check   Reconciled   425424   3-Mar - 22   SOUTHERN CALIFORNIA EDISON COMPANY   20.10.117   IRWO Check   Reconciled   425425   3-Mar - 22   SOUTHERN CALIFORNIA ESCURITY CENTERS, INC.   21.779   IRWO Check   Reconciled   425426   3-Mar - 22   SOUTHERN CALIFORNIA ESCURITY CENTERS, INC.   127.79   IRWO Check   Reconciled   425426   3-Mar - 22   STANTIC CONSULTING SERVICES INC.   19.770   IRWO Check   Reconciled   425427   3-Mar - 22   STANTIC CONSULTING SERVICES INC.   19.770   IRWO Check   Reconciled   425428   3-Mar - 22   TANTIC CONSULTING SERVICES INC.   19.770   IRWO Check   Reconciled   425429   3-Mar - 22   TANTIC CONSULTING SERVICES INC.   19.70   IRWO Check   Reconciled   425429   3-Mar - 22   TANTIC CONSULTING SERVICES INC.   30.00   IRWO Check   Reconciled   425429   3-Mar - 22   TANTIC CONSULTING SERVICES INC.   30.00   IRWO Check   Reconciled   425429   3-Mar - 22   TANTIC CONSULTING SERVICES INC.   30.00   IRWO Check   Reconciled   425429   3-Mar - 22   TANTIC CONSULTING SERVICES INC.   30.00   IRWO Check   Reconciled   425429   3-Mar - 22   THE INVECTOR CORPORATION   218.38   IRWO Check   Reconciled   425429   3-Mar - 22   THE INVECTOR CORPORATION   218.38   IRWO Check   Reconciled   425429   3-Mar - 22   TRAFFIC MARKEDIA SERVICES INC.   30.971.37   IRWO Check   Reconciled   425429   3-Mar - 22   VERIZOTOR WIRELESS SERVICES INC.   30.00   IRWO Check   Reconciled   425429   3-Mar - 22   VERIZOTOR WIRELESS SERVICES INC.   30.00   IRWO Check   Reconciled   425429   3-Mar - 22   VERIZOTOR WIRELESS SERVICES INC.   30.00   IRWO Check   Reconciled   425429   3-Mar - 22   VERIZOTOR WIRELESS SERVICES INC						
425420   3-Mar-22   SCHINDLER LELATOR CORPORATION   620.6   IRWO Check Reconciled   425421   3-Mar-22   SOUTHERN CALIFORNA EDISON COMPANY   3,000.00   IRWO Check Reconciled   425424   3-Mar-22   SOUTHERN CALIFORNA EDISON COMPANY   127.82   IRWO Check Reconciled   425424   3-Mar-22   SOUTHERN CALIFORNA EDISON COMPANY   127.82   IRWO Check Reconciled   425426   3-Mar-22   SOUTHERN CALIFORNA SEUDISON COMPANY   201.810.17   IRWO Check Reconciled   425426   3-Mar-22   SOUTHERN CALIFORNA SEUDIT CENTER, INC.   127.79   IRWO Check Reconciled   425426   3-Mar-22   SPARKLETT   172.29   IRWO Check Reconciled   425427   3-Mar-22   SPARKLETT   15.77   IRWO Check Reconciled   425428   3-Mar-22   STATTEC CONSULTING SERVICES INC.   15.078.82   IRWO Check Reconciled   425428   3-Mar-22   STETSON ENSINEERS INC.   15.078.82   IRWO Check Reconciled   425429   3-Mar-22   TANKYSIONS, INC   30.00   IRWO Check Reconciled   425430   3-Mar-22   TANKYSIONS, INC   30.00   IRWO Check Reconciled   425431   3-Mar-22   TETRA TECH, INC   99.08   IRWO Check Reconciled   425431   3-Mar-22   TETRA TECH, INC   99.08   IRWO Check Reconciled   425431   3-Mar-22   TETRA TECH, INC   99.08   IRWO Check Reconciled   425431   3-Mar-22   TETRA TECH, INC   99.08   IRWO Check Reconciled   425431   3-Mar-22   TETRA TECH, INC   99.08   IRWO Check Reconciled   425431   3-Mar-22   TERMOPSON & PHIPPS INC   3.09.71.5   IRWO Check Reconciled   425436   3-Mar-22   TREFIC MARKGEMENT, INC   6.684.50   IRWO Check Reconciled   425431   3-Mar-22   TREFIC MARKGEMENT, INC   6.684.50   IRWO Check Reconciled   425431   3-Mar-22   TREFIC MARKGEMENT, INC   6.684.50   IRWO Check Reconciled   425434   3-Mar-22   VIDA RATIWOCH & SON INC / VIDMAR, INC. A IV   1.586.88   IRWO Check Reconciled   425431   3-Mar-22   VIDA RATIWOCH & SON INC / VIDMAR, INC. A IV   1.586.88   IRWO Check Reconciled   425434   3-Mar-22   VIDA RATIWOCH & SON INC / VIDMAR, INC. A IV   1.586.88   IRWO Check Reconciled   425434   3-Mar-22   VIDA RATIWOCH & SON INC / VIDMAR, INC. A IV   1.586.88   IRWO Check						
255421   3-Mar-22   SHAMBOCK SUPPLY CO INC   62206   RWVD check Reconciled   255433   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   17.782   RWVD check Reconciled   255433   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   17.782   RWVD check Reconciled   254245   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   21.779   RWVD check Reconciled   254245   3-Mar-22   SOUTHERN CALIFORNIA SECURITY CENTERS, INC.   21.779   RWVD check Reconciled   254247   3-Mar-22   STANTEC CONSULTING SERVICES INC.   19.770   RWVD check Reconciled   254247   3-Mar-22   STANTEC CONSULTING SERVICES INC.   19.770   RWVD check Reconciled   254249   3-Mar-22   TANKVISIONS, INC   10.000   RWVD check Reconciled   254249   3-Mar-22   TANKVISIONS, INC   30.000   RWVD check Reconciled   254241   3-Mar-22   TANKVISIONS, INC   30.000   RWVD check Reconciled   254241   3-Mar-22   TANKVISIONS, INC   30.000   RWVD check Reconciled   254241   3-Mar-22   TANKVISIONS, INC   30.000   RWVD check Reconciled   254243   3-Mar-22   TANKVISIONS   RWVD check Reconciled   254243   3-Mar-22   TANKVISIONS   RWVD check Reconciled   254243   3-Mar-22   TANKVISIONS   RWVD check Reconciled   254243   3-Mar-22   THE INVIEC COMPANY LLC   99.30.0 RWVD check Reconciled   254243   3-Mar-22   TREFORMER COMPANY LLC   99.30.0 RWVD check Reconciled   254243   3-Mar-22   TREFORMER COMPANY LLC   30.91.5 RWVD check Reconciled   254243   3-Mar-22   TREFORMER COMPANY LLC   30.91.5 RWVD check Reconciled   254243   3-Mar-22   TREFORMER COMPANY LLC   30.91.5 RWVD check Reconciled   254243   3-Mar-22   TREFORMER COMPANY LLC   30.91.5 RWVD check Reconciled   254243   3-Mar-22   TREFORMER COMPANY LLC   30.91.5 RWVD check Reconciled   254243   3-Mar-22   TREFORMER COMPANY LLC   30.91.5 RWVD check Reconciled   254243   3-Mar-22   TREFORMER COMPANY LLC   30.91.5 RWVD check Reconciled   254243   3-Mar-22   TREFORMER COMPANY LLC   30.91.5 RWVD check Reconciled   254243   3-Mar-22   TREFORMER COMPANY LLC   30.91.5 RWVD check Reconciled   254243   3-Mar-22   TREFORMER COMPANY LLC   30.91.5						
255422   3-Mar-22 SOUTHERN CALIFORNIA EDISON COMPANY   12-82   BWD Check   Reconciled   25-5244   3-Mar-22 SOUTHERN CALIFORNIA EDISON COMPANY   20_18.10.17   BWD Check   Reconciled   25-5246   3-Mar-22 SOUTHERN CALIFORNIA EDISON COMPANY   20_18.10.17   BWD Check   Reconciled   25-526   3-Mar-22   SPARKEFTS   SOUTHERN CALIFORNIA EDISON COMPANY   20_18.10.17   BWD Check   Reconciled   25-526   3-Mar-22   SPARKEFTS   SOUTHERN CALIFORNIA EDISON COMPANY   20_18.17   BWD Check   Reconciled   25-528   3-Mar-22   STANTEC CONSULTING SERVICES INC.   3.94.85   BWD Check   Reconciled   25-528   3-Mar-22   STANTEC CONSULTING SERVICES INC.   15,678.82   BWD Check   Reconciled   25-528   3-Mar-22   TE ROBERTS INC.   15,678.82   BWD Check   Reconciled   25-529   3-Mar-22   TE ROBERTS INC.   3.90.00   BWD Check   Reconciled   25-529   3-Mar-22   TAWEKIAN, MEHRAN   30.00   BWD Check   Reconciled   25-523   3-Mar-22   TAWEKIAN, MEHRAN   30.00   BWD Check   Reconciled   25-523   3-Mar-22   TERM TECT, INC.   3.95.00   BWD Check   Reconciled   25-523   3-Mar-22   TERM TECT, INC.   3.95.00   BWD Check   Reconciled   25-523   3-Mar-22   TERM TECT, INC.   3.95.00   BWD Check   Reconciled   25-523   3-Mar-22   TERM TECT, INC.   3.95.00   BWD Check   Reconciled   25-523   3-Mar-22   TERM TECT, INC.   3.95.00   BWD Check   Reconciled   25-523   3-Mar-22   TERM TECT, INC.   3.95.00   BWD Check   Reconciled   25-523   3-Mar-22   TERM TECT, INC.   3.95.00   BWD Check   Reconciled   25-523   3-Mar-22   TERM TECT, INC.   3.95.00   BWD Check   Reconciled   25-523   3-Mar-22   TERM TECT, INC.   3.95.00   BWD Check   Reconciled   25-523   3-Mar-22   TERM TECT, INC.   3.95.00   BWD Check   Reconciled   25-523   3-Mar-22   VERTORN WIRESES SERVICES ILC.   3.95.00   BWD Check   Reconciled   25-524   3-Mar-22   VERTORN WIRESES SERVICES ILC.   3.95.00   BWD Check   Reconciled   25-524   3-Mar-22   VERTORN WIRESES SERVICES ILC.   3.95.00   BWD Check   Reconciled   25-524   3-Mar-22   VERTORN WIRESES SERVICES ILC.   3.95.00   BWD Check   Reconciled   2						
252423   3-Mair-22   SOUTHERN CALIFORNIA EDISON COMPANY   20,811-71   RWD Check   Reconciled   242425   3-Mair-22   SOUTHERN CALIFORNIA SECURITY CENTERS, INC.   21,779   RWD Check   Reconciled   242427   3-Mair-22   STATISTIC   STATISTIC   12,779   RWD Check   Reconciled   242427   3-Mair-22   STATISTIC   STATISTIC   10,97700   RWD Check   Reconciled   242428   3-Mair-22   STATISTIC   STRUCK   10,97700   RWD Check   Reconciled   242429   3-Mair-22   STATISTIC   RWS Check   Reconciled   242429   3-Mair-22   TANIVISIONS, INC   3000   RWD Check   Reconciled   242430   3-Mair-22   TANIVISIONS, INC   3000   RWD Check   Reconciled   242430   3-Mair-22   TANIVISIONS, INC   3000   RWD Check   Reconciled   242431   3-Mair-22   TANIVISIONS, INC   8,86250   RWD Check   Reconciled   242431   3-Mair-22   TANIVISIONS, INC   8,86250   RWD Check   Reconciled   242431   3-Mair-22   TETRA TECH, INC   8,86250   RWD Check   Reconciled   242434   3-Mair-22   THE RIVINE COMPANY LLC   99.90   RWD Check   Reconciled   242436   3-Mair-22   TREEP CHECK   RECONCILED   RWD Check   Reconciled   242438   3-Mair-22   TREEP CHECK   RWD Check   Reconciled   242438   3-Mair-22   TREEP CHECK   RWD Check   RECONCILED   RWD Check   RECONCILED						
255424   3-Mar-22   SOUTHERN CALIFORNIA EDISON COMPANY   20,810.17   RWD Check   Reconciled   25426   3-Mar-22   SPARKETTS   SOUTHERN CALIFORNIA SEQUENCY CONSULTING SERVICES INC.   32,845.5   RWD Check   Reconciled   25428   3-Mar-22   STAINTEC CONSULTING SERVICES INC.   32,845.5   RWD Check   Reconciled   25428   3-Mar-22   STAINTEC CONSULTING SERVICES INC.   10,977.00   RWD Check   Reconciled   25428   3-Mar-22   STAINTEC CONSULTING SERVICES INC.   15,678.82   RWD Check   Reconciled   25429   3-Mar-22   TANCKINING INC.   30,000   RWD Check   Reconciled   245431   3-Mar-22   TANCKINING INC.   8,862.50   RWD Check   Reconciled   245431   3-Mar-22   TANCKINING INC.   8,862.50   RWD Check   Reconciled   245431   3-Mar-22   TANCKINING INC.   8,993.08   RWD Check   Reconciled   245431   3-Mar-22   TREATECH COMPANY LIC.   993.08   RWD Check   Reconciled   245433   3-Mar-22   TREATECH COMPANY LIC.   993.08   RWD Check   Reconciled   245434   3-Mar-22   TREATECH COMPANY LIC.   6,984.50   RWD Check   Reconciled   245437   3-Mar-22   TREATECH AND THIS PROPRIED IN THE PROPRIED IN THIS						
425425   3-Mar-22   SPARKETTS   17229   RWD Check   Reconciled   425427   3-Mar-22   SPARKETTS   17229   RWD Check   Reconciled   425427   3-Mar-22   STANTEC CONSULTING SERVICES INC.   33,454.85   RWD Check   Reconciled   425429   3-Mar-22   STETSONE MERGINERS INC.   10,977.00   RWD Check   Reconciled   425429   3-Mar-22   TER ROBERTS, INC.   30,00   RWD Check   Reconciled   425430   3-Mar-22   TAWEKINN, MEHRAN   30,000   RWD Check   Reconciled   425431   3-Mar-22   TAWEKINN, MEHRAN   30,000   RWD Check   Reconciled   425432   3-Mar-22   TERTE OF LECT ON THE OWN CHECK   RECONCILED   RECONCILED						
425426   3-Mar-22   STANTEC CONSULTING SERVICES INC.   10,977.00   IRWD Check   Reconciled   425428   3-Mar-22   STETSON ENGINEERS INC.   10,977.00   IRWD Check   Reconciled   425429   3-Mar-22   TE.K. ROBERTS, INC.   15,678.82   IRWD Check   Reconciled   425430   3-Mar-22   TANKVISIONS, INC   30.00   IRWD Check   Reconciled   425431   3-Mar-22   TANKVISIONS, INC   30.00   IRWD Check   Reconciled   425431   3-Mar-22   TANKVISIONS, INC   39.00   IRWD Check   Reconciled   425433   3-Mar-22   TETRA TECH, INC   993.00   IRWD Check   Reconciled   425433   3-Mar-22   TETRA TECH, INC   993.00   IRWD Check   Reconciled   425433   3-Mar-22   THE IRVINE COMPANY LLC   993.00   IRWD Check   Reconciled   425434   3-Mar-22   THE LEVATOR CORPORATION   218.38   IRWD Check   Reconciled   425437   3-Mar-22   TREEO FLIES NURSERY   10.68   IRWD Check   Reconciled   425439   3-Mar-22   TREEO FLIES NURSERY   10.68   IRWD Check   Reconciled   425439   3-Mar-22   TREEO FLIES NURSERY   10.68   IRWD Check   Reconciled   425440   3-Mar-22   VINITED PRACES LESVICE INC   14,869.14   IRWD Check   Reconciled   425440   3-Mar-22   VIDO ARTUKOWCH & SON INC./ VIDMAR INC A IV   15,880.80   IRWD Check   Reconciled   425441   3-Mar-22   VIDO ARTUKOWCH & SON INC./ VIDMAR INC A IV   15,880.80   IRWD Check   Reconciled   425442   3-Mar-22   VIDO ARTUKOWCH & SON INC./ VIDMAR INC A IV   15,880.80   IRWD Check   Reconciled   425444   3-Mar-22   VIDO ARTUKOWCH & SON INC./ VIDMAR INC A IV   15,880.80   IRWD Check   Reconciled   425446   3-Mar-22   VIDO ARTUKOWCH & SON INC./ VIDMAR INC A IV   15,880.80   IRWD Check   Reconciled   425446   3-Mar-22   VIDO ARTUKOWCH & SON INC./ VIDMAR INC A IV   15,880.80   IRWD Check   Reconciled   425446   3-Mar-22   VIDO ARTUKOWCH & SON INC./ VIDMAR INC A IV   15,880.80   IRWD Check   Reconciled   425446   3-Mar-22   VIDO ARTUKOWCH & SON INC./ VIDMAR INC A IV   15,880.80   IRWD Check   Reconciled   425446   3-Mar-22   VIDO ARTUKOWCH & SON INC./ VIDMAR INC A IV   15,880.80   IRWD Check   Reconciled   425446   3-Mar-22						
425427   3-Mar-22   STETSONE NEGISERS INC.   13,678.82   RWD Check   Reconciled   425429   3-Mar-22   TE, ROBERTS, INC.   15,678.82   RWD Check   Reconciled   425430   3-Mar-22   TARWISIONS, INC   30.00   RWD Check   Reconciled   425431   3-Mar-22   TARWISIONS, INC   30.00   RWD Check   Reconciled   425432   3-Mar-22   TARWISIONS, INC   30.00   RWD Check   Reconciled   425432   3-Mar-22   TARWISIONS, INC   8,862.50   RWD Check   Reconciled   425434   3-Mar-22   THE RIVINE COMPANY LLC   99.30   RWD Check   Reconciled   425434   3-Mar-22   THE RIVINE COMPANY LLC   99.30   RWD Check   Reconciled   425434   3-Mar-22   THE RIVINE COMPANY LLC   99.30   RWD Check   Reconciled   425435   3-Mar-22   THE RIVINE COMPANY LLC   425435   3-Mar-22   TREE OF LIFE NINESERY   10.66.88   RWD Check   Reconciled   425436   3-Mar-22   TREE OF LIFE NINESERY   10.66.89   RWD Check   Reconciled   425437   3-Mar-22   VERIZON WIRKLESS SERVICES LLC   18,69.14   RWD Check   Reconciled   425443   3-Mar-22   VERIZON WIRKLESS SERVICES LLC   18,69.14   RWD Check   Reconciled   425443   3-Mar-22   VERTICEN INDUSTRIAL SYSTEMS, LLC   8,628.27   RWD Check   Reconciled   425443   3-Mar-22   VERTICEN INDUSTRIAL SYSTEMS, LLC   8,628.27   RWD Check   Reconciled   425443   3-Mar-22   VERTICEN INDUSTRIAL SYSTEMS, LLC   8,628.27   RWD Check   Reconciled   425444   3-Mar-22   VERTICEN INDUSTRIAL SYSTEMS, LLC   8,628.27   RWD Check   Reconciled   425443   3-Mar-22   VERTICEN INDUSTRIAL SYSTEMS, LLC   8,628.27   RWD Check   Reconciled   425444   3-Mar-22   VERTICEN INDUSTRIAL SYSTEMS, LLC   8,628.27   RWD Check   Reconciled   425443   3-Mar-22   VERTICEN INDUSTRIAL SYSTEMS, LLC   8,628.27   RWD Check   Reconciled   425444   3-Mar-22   VERTICEN INDUSTRIAL SYSTEMS, LLC   8,628.27   RWD Check   Reconciled   425445   3-Mar-22   VERTICEN INDUSTRIAL SYSTEMS, LLC   8,628.27   RWD Check   Reconciled   425446   3-Mar-22   WARD, WILLIAM P.R.   3,518.00   RWD Check   Reconciled   425447   3-Mar-22   WARD, WILLIAM P.R.   3,518.00   RWD Check   Reconciled   425448   3						
425408   3-Mar-22   STETSON ENGINEERS INC.   10,977.00   IRWD Check   Reconciled   425430   3-Mar-22   T.E. ROBERTS, INC   30.00   IRWD Check   Reconciled   425430   3-Mar-22   T.ANKVISIONS, INC   30.00   IRWD Check   Reconciled   425431   3-Mar-22   T.ANKVISIONS, INC   30.00   IRWD Check   Reconciled   425432   3-Mar-22   TETRA TECH, INC   8,862.50   IRWD Check   Reconciled   425433   3-Mar-22   TETRA TECH, INC   993.08   IRWD Check   Reconciled   425433   3-Mar-22   THOMPSON & PHIPPS INC   3,937.18   IRWD Check   Reconciled   4254343   3-Mar-22   THOMPSON & PHIPPS INC   3,937.18   IRWD Check   Reconciled   425435   3-Mar-22   THOMPSON & PHIPPS INC   3,937.18   IRWD Check   Reconciled   425436   3-Mar-22   TRAFFIC MANAGEMENT, INC   6,684.50   IRWD Check   Reconciled   425437   3-Mar-22   TRAFFIC MANAGEMENT, INC   6,684.50   IRWD Check   Reconciled   425439   3-Mar-22   VERTON WIRELESS SERVICES ILC   4,849.14   IRWD Check   Reconciled   425439   3-Mar-22   VERTON WIRELESS SERVICES ILC   4,849.14   IRWD Check   Reconciled   425440   3-Mar-22   VERTON WIRELESS SERVICES ILC   4,849.14   IRWD Check   Reconciled   425441   3-Mar-22   VERTON WIRELESS SERVICES ILC   4,849.14   IRWD Check   Reconciled   425442   3-Mar-22   VERTON WIRELESS SERVICES ILC   4,849.14   IRWD Check   Reconciled   425444   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR INC. A IV   723.33   IRWD Check   Reconciled   425444   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR INC. A IV   723.33   IRWD Check   Reconciled   425444   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR INC. A IV   724.33   IRWD Check   Reconciled   425444   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR INC. A IV   724.34   IRWD Check   Reconciled   425449   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR INC. A IV   724.34   IRWD Check   Reconciled   425446   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR INC. A IV   724.34   IRWD Check   Reconciled   425446   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR INC. A IV   724.34   IRWD Check   Reconciled   425448   3-Mar-22   VIDO AR						
425429   3-Mar-22						
425430				•		
425431   3-Mar-22   TERA TECH, INC   8,862.50   IRWD Check   Reconciled   425432   3-Mar-22   TERA TECH, INC   993.08   IRWD Check   Reconciled   425433   3-Mar-22   THE IRVINE COMPANY LLC   993.08   IRWD Check   Reconciled   425434   3-Mar-22   THE IRVINE COMPANY LLC   993.08   IRWD Check   Reconciled   425436   3-Mar-22   TK ELEVATOR CORPORATION   218.38   IRWD Check   Reconciled   425436   3-Mar-22   TK ELEVATOR CORPORATION   218.38   IRWD Check   Reconciled   425436   3-Mar-22   TK ELEVATOR CORPORATION   (5.684.50   IRWD Check   Reconciled   425436   3-Mar-22   TREE OLD HE NURSERY   (5.66   IRWD Check   Reconciled   425438   3-Mar-22   TREE OLD HE NURSERY   (5.66   IRWD Check   Reconciled   425439   3-Mar-22   VENIZON WIRELESS SERVICES LLC   (4.865.14   IRWD Check   Reconciled   425443   3-Mar-22   VENIZON WIRELESS SERVICES LLC   (4.865.14   IRWD Check   Reconciled   425441   3-Mar-22   VENIZON WIRELESS SERVICES LLC   (4.865.14   IRWD Check   Reconciled   425442   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR INC.A IV   1,588.08   IRWD Check   Reconciled   425443   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR, INC.A IV   1,588.08   IRWD Check   Reconciled   425444   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR, INC.A IV   1,547.38   IRWD Check   Reconciled   425445   3-Mar-22   VANG, SHULIN   VANG, SHULIN   (4.864.14   3-Mar-22   VANG, SHULIN   VANG, SHULIN   VASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,301.8   IRWD Check   Reconciled   425446   3-Mar-22   VANG, SHULIN   VASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,301.8   IRWD Check   Reconciled   425446   3-Mar-22   VANG, SHULIN   VASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,301.8   IRWD Check   Reconciled   425446   3-Mar-22   VANG, SHULIN   VASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,301.8   IRWD Check   Reconciled   425446   3-Mar-22   VANG, SHULIN   VASTE MARCHAN   VASTE MA						
425432   3-Mar-22						
425431						
425434   3-Mar-22						
425435   3-Mar-22   TK ELEVATOR CORPORATION   218.38   IRWD Check   Reconciled   425436   3-Mar-22   TRAFFIC MANAGEMENT, INC   6,684.50   IRWD Check   Reconciled   425437   3-Mar-22   TREE OF LIFE NURSERY   106.68   IRWD Check   Reconciled   425438   3-Mar-22   VERTECH ENC   14,869.14   IRWD Check   Reconciled   425439   3-Mar-22   VERTECH SERVICE INC   14,869.14   IRWD Check   Reconciled   425440   3-Mar-22   VERTECH INDUSTRIAL SYSTEMS, LLC   14,869.14   IRWD Check   Reconciled   425441   3-Mar-22   VIDO ARTUKOVICH & SON, INC./ VIDMAR INC A.JV   1,588.08   IRWD Check   Reconciled   425441   3-Mar-22   VIDO ARTUKOVICH & SON, INC./ VIDMAR, INC. A.JV   725.33   IRWD Check   Reconciled   425442   3-Mar-22   VIDO ARTUKOVICH & SON, INC./ VIDMAR, INC. A.JV   725.33   IRWD Check   Reconciled   425443   3-Mar-22   WAND, SHUJIN   34.22   IRWD Check   Reconciled   425444   3-Mar-22   WAND, SHUJIN   P.R.   1,351.80   IRWD Check   Reconciled   425444   3-Mar-22   WAND, WILLIAM P.JR.   1,351.80   IRWD Check   Reconciled   425445   3-Mar-22   WASD, WILLIAM P.JR.   1,351.80   IRWD Check   Reconciled   425446   3-Mar-22   WASD, WILLIAM P.JR.   1,351.80   IRWD Check   Reconciled   425447   3-Mar-22   WEST LABORATORIES INC   2,350.54   IRWD Check   Reconciled   425448   3-Mar-22   WEST LABORATORIES INC   2,350.54   IRWD Check   Reconciled   425449   3-Mar-22   WEST LOAST SAFETY SUPPLY INC   2,619.82   IRWD Check   Reconciled   425450   10-Mar-22   Brieter, Michelle   23.52   IRWD Check   Reconciled   425451   10-Mar-22   WEST LOAST SAFETY SUPPLY INC   2,619.82   IRWD Check   Reconciled   425451   10-Mar-22   WEST LOAST SAFETY SUPPLY INC   2,619.82   IRWD Check   Reconciled   425455   10-Mar-22   WEST LOAST SAFETY SUPPLY INC   2,619.82   IRWD Check   Reconciled   425450   10-Mar-22   WEST LOAST SAFETY SUPPLY INC   2,619.82   IRWD Check   Reconciled   425451   10-Mar-22   ABM INDUSTRY GROUPS, LLC   3,619.82   IRWD Check   Reconciled   425455   10-Mar-22   ABM INDUSTRY GROUPS, LLC   3,619.82   IRWD Check   Reconciled   425456   1						
425436   3-Mar-22   TRAFFIC MANAGEMENT, INC   6,684.50   IRWD Check   Reconciled   425437   3-Mar-22   UNITED PARCEL SERVICE INC   75.37   IRWD Check   Reconciled   425438   3-Mar-22   UNITED PARCEL SERVICE INC   75.37   IRWD Check   Reconciled   425439   3-Mar-22   VERIZON WIRELESS SERVICES LLC   14,869.14   IRWD Check   Reconciled   425440   3-Mar-22   VERIZON WIRELESS SERVICES LLC   8,628.75   IRWD Check   Reconciled   425441   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR INC A JV   1,588.08   IRWD Check   Reconciled   425442   3-Mar-22   VIDO ARTUKOVICH & SON, INC./ VIDMAR, INC. A JV   725.33   IRWD Check   Reconciled   425443   3-Mar-22   VIDO ARTUKOVICH & SON, INC./ VIDMAR, INC. A JV   725.33   IRWD Check   Reconciled   425444   3-Mar-22   VIDO ARTUKOVICH & SON, INC./ VIDMAR, INC. A JV   725.31   IRWD Check   Reconciled   425444   3-Mar-22   VIDO ARTUKOVICH & SON, INC./ VIDMAR, INC. A JV   725.31   IRWD Check   Reconciled   425444   3-Mar-22   VIDO ARTUKOVICH & SON, INC./ VIDMAR, INC. A JV   34.22   IRWD Check   Reconciled   425444   3-Mar-22   VIDO ARTUKOVICH & SON, INC./ VIDMAR, INC. A JV   34.22   IRWD Check   Reconciled   425444   3-Mar-22   WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,520.18   IRWD Check   Reconciled   425446   3-Mar-22   WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,520.18   IRWD Check   Reconciled   425447   3-Mar-22   WEST COAST SAFETY SUPPLY INC   2,619.82   IRWD Check   Reconciled   425450   10-Mar-22   Hatch, Lauren   288.00   IRWD Check   Reconciled   425451   10-Mar-22   Hatch, Lauren   288.00   IRWD Check   Reconciled   425451   10-Mar-22   Hatch, Lauren   288.00   IRWD Check   Reconciled   425451   10-Mar-22   WITHER SAFETY SUPPLY INC   10,524.85   IRWD Check   Reconciled   425457   10-Mar-22   ABM INDUSTRY GROUPS, LLC   10,524.85   IRWD Check   Reconciled   425457   10-Mar-22   ABM INDUSTRY GROUPS, LLC   34,420.00   IRWD Check   Reconciled   425457   10-Mar-22   ABM INDUSTRY GROUPS, LLC   4,25450   IRWD Check   Reconciled   425461   10-Mar-22   ABM CANCED						
425437   3-Mar-22   TREE OF LIFE NURSERY   10.66.8   IRWO Check   Reconciled   425438   3-Mar-22   VERTECH INDUSTRIAL SYSTEMS, LLC   14,869.14   IRWO Check   Reconciled   425440   3-Mar-22   VERTECH INDUSTRIAL SYSTEMS, LLC   8,628.75   IRWO Check   Reconciled   425441   3-Mar-22   VIDO ARTUKOVICH & SON INC, VIDMAR INC A JV   1,588.08   IRWO Check   Reconciled   425441   3-Mar-22   VIDO ARTUKOVICH & SON, INC, VIDMAR, INC. A JV   725.33   IRWO Check   Reconciled   425442   3-Mar-22   VIDO ARTUKOVICH & SON, INC, VIDMAR, INC. A JV   725.33   IRWO Check   Reconciled   425443   3-Mar-22   VILCAN MATERIALS COMPANY   1,547.38   IRWO Check   Reconciled   425444   3-Mar-22   WARD, SHULIMA P JR.   1,551.80   IRWO Check   Reconciled   425445   3-Mar-22   WARD, WILLIAM P JR.   1,351.80   IRWO Check   Reconciled   425446   3-Mar-22   WARD, WILLIAM P JR.   1,351.80   IRWO Check   Reconciled   425446   3-Mar-22   WARD, WILLIAM P JR.   1,351.80   IRWO Check   Reconciled   425447   3-Mar-22   WEST COAST SAFETY SUPPLY INC   2,350.13   IRWO Check   Reconciled   425448   3-Mar-22   WEST COAST SAFETY SUPPLY INC   2,619.82   IRWO Check   Reconciled   425450   10-Mar-22   Breiter, Michelle   23.52   IRWO Check   Reconciled   425451   10-Mar-22   Breiter, Michelle   23.52   IRWO Check   Reconciled   425451   10-Mar-22   Breiter, Michelle   32.52   IRWO Check   Reconciled   425451   10-Mar-22   Reinhart, Douglas J   309.96   IRWO Check   Reconciled   425455   10-Mar-22   Reinhart, Douglas J   309.96   IRWO Check   Reconciled   425456   10-Mar-22   Reinhart, Douglas J   309.96   IRWO Check   Reconciled   425456   10-Mar-22   ABM INDUSTRY GROUPS, LLC   34,442.09   IRWO Check   Reconciled   425456   10-Mar-22   ABM INDUSTRY GROUPS, LLC   34,442.09   IRWO Check   Reconciled   425456   10-Mar-22   ABM INDUSTRY GROUPS, LLC   3,269.16   IRWO Check   Reconciled   425466   10-Mar-22   ADVANCED CALIBRATION DESIGNS INC   3,269.16   IRWO Check   Reconciled   425466   10-Mar-22   ADVANCED CALIBRATION DESIGNS INC   3,269.16   IRWO Check   Reconcile						
A25438   3-Mar-22						
425499   3-Mar-22   VERIZON WIRELESS SERVICES LLC   14,869.14   IRWD Check   Reconciled   425441   3-Mar-22   VERTECH INDUSTRIAL SYSTEMS, LLC   8,628.75   IRWD Check   Reconciled   425441   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR INC A JV   725.33   IRWD Check   Reconciled   425442   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR, INC. A JV   725.33   IRWD Check   Reconciled   425443   3-Mar-22   VULCAN MATERIALS COMPANY   1,547.38   IRWD Check   Reconciled   425444   3-Mar-22   WANG, SHUJUN   34.22   IRWD Check   Reconciled   425445   3-Mar-22   WANG, SHUJUN   34.22   IRWD Check   Reconciled   425446   3-Mar-22   WANG, SHUJUN   34.22   IRWD Check   Reconciled   425446   3-Mar-22   WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,530.18   IRWD Check   Reconciled   425447   3-Mar-22   WEXTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,350.54   IRWD Check   Reconciled   425448   3-Mar-22   WEXTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,619.82   IRWD Check   Reconciled   425449   3-Mar-22   WEXTE MANAGEMENT SUPPLY INC   2,619.82   IRWD Check   Reconciled   425450   10-Mar-22   Breiter, Michelle   23.52   IRWD Check   Reconciled   425451   10-Mar-22   Breiter, Michelle   23.52   IRWD Check   Reconciled   425452   10-Mar-22   Reinhart, Douglas J   309.96   IRWD Check   Reconciled   425453   10-Mar-22   Reinhart, Douglas J   309.96   IRWD Check   Reconciled   425454   10-Mar-22   Withers, John B   618.10   IRWD Check   Reconciled   425455   10-Mar-22   Withers, John B   618.10   IRWD Check   Reconciled   425456   10-Mar-22   ADVANCED CALIBRATION DESIGNS INC   1,559.00   IRWD Check   Reconciled   425457   10-Mar-22   ADVANCED CALIBRATION DESIGNS INC   1,559.00   IRWD Check   Reconciled   425461   10-Mar-22   ARCOM TECHNICAL SERVICES, INC.   3,442.09   IRWD Check   Reconciled   425461   10-Mar-22   ARCOM TECHNICAL SERVICES, INC.   3,569.16   IRWD Check   Reconciled   425461   10-Mar-22   ARGAS, INC.   4,205.23   IRWD Check   Reconciled   425461   10-Mar-22   ARGAS, INC.   4,205.23   IRWD Check   Reco						
425440   3-Mar-22   VERTECH INDUSTRIAL SYSTEMS, LLC   8,628.75   IRWD Check   Reconciled   425441   3-Mar-22   VIDO ARTUKOVICH & SON INC./ VIDMAR INC A IV   1,783.81   IRWD Check   Reconciled   425442   3-Mar-22   VULCAN MATERIALS COMPANY   1,547.38   IRWD Check   Reconciled   425443   3-Mar-22   VULCAN MATERIALS COMPANY   1,547.38   IRWD Check   Reconciled   425444   3-Mar-22   WARD, SHILUIN   34.22   IRWD Check   Reconciled   425445   3-Mar-22   WARD, WILLIAM P JR.   1,3151.80   IRWD Check   Reconciled   425446   3-Mar-22   WARD, WILLIAM P JR.   1,351.80   IRWD Check   Reconciled   425447   3-Mar-22   WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,350.54   IRWD Check   Reconciled   425448   3-Mar-22   WECK LABORATORIES INC   1,740.00   IRWD Check   Reconciled   425449   3-Mar-22   WEST COAST SAFETY SUPPLY INC   2,619.82   IRWD Check   Reconciled   425450   10-Mar-22   Breiter, Michelle   425451   10-Mar-22   Breiter, Michelle   425451   10-Mar-22   Pan, Jenny W (Jenny)   112.11   IRWD Check   Reconciled   425453   10-Mar-22   Reinhart, Douglas J   425454   10-Mar-22   Reinhart, Douglas J   425455   10-Mar-22   Reinhart, Douglas J   425456   10-Mar-22   881 INC   425457   10-Mar-22   ABM INDUSTRY GROUPS, LLC   34440.09   IRWD Check   Reconciled   425457   10-Mar-22   ABM INDUSTRY GROUPS, LLC   34440.09   IRWD Check   Reconciled   425459   10-Mar-22   ABM INDUSTRY GROUPS, LLC   34440.09   IRWD Check   Reconciled   425450   10-Mar-22   ABCOM TECHNICAL SERVICES, INC.   3,559.00   IRWD Check   Reconciled   425460   10-Mar-22   AIR TECHNICAL SERVICES, INC.   3,691.61   IRWD Check   Reconciled   425461   10-Mar-22   AMCONSERVATION GROUP, INC.   3,269.16   IRWD Check   Reconciled   425465   10-Mar-22   AMCONSERVATION GROUP, INC.   3,269.16   IRWD Check   Reconciled   425466   10-Mar-22   AMDERION MATER WORTH						
425441   3-Mar-22						
425442   3-Mar-22						
425443   3-Mar-22   VULCAN MATERIALS COMPANY   1,547.38   IRWD Check   Reconciled   425444   3-Mar-22   WANG, SHUJUN   1,351.80   IRWD Check   Reconciled   425445   3-Mar-22   WARD, WILLAM P IR.   1,351.80   IRWD Check   Reconciled   425446   3-Mar-22   WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,520.18   IRWD Check   Reconciled   425447   3-Mar-22   WASTE'S ENTERPRISES, INC   2,350.54   IRWD Check   Reconciled   425448   3-Mar-22   WEST COAST SAFETY SUPPLY INC   2,619.82   IRWD Check   Reconciled   425449   3-Mar-22   WEST COAST SAFETY SUPPLY INC   2,619.82   IRWD Check   Reconciled   425450   10-Mar-22   Breiter, Michelle   23.52   IRWD Check   Reconciled   425451   10-Mar-22   Breiter, Michelle   28.50   IRWD Check   Reconciled   425451   10-Mar-22   Hatch, Lauren   288.00   IRWD Check   Reconciled   425452   10-Mar-22   Reinhart, Douglas J   309.96   IRWD Check   Reconciled   425453   10-Mar-22   Swan, Peer   80.90   IRWD Check   Reconciled   425454   10-Mar-22   Swan, Peer   80.90   IRWD Check   Reconciled   425455   10-Mar-22   Swan, Peer   80.90   IRWD Check   Reconciled   425456   10-Mar-22   ABM INDUSTRY GROUPS, LLC   10,524.85   IRWD Check   Reconciled   425459   10-Mar-22   ABM INDUSTRY GROUPS, LLC   34,442.09   IRWD Check   Reconciled   425459   10-Mar-22   AECOM TECHNICAL SERVICES, INC.   15,59.00   IRWD Check   Reconciled   425460   10-Mar-22   AECOM TECHNICAL SERVICES, INC.   19.85   IRWD Check   Reconciled   425461   10-Mar-22   AIR TECHNICAL SERVICES, INC.   19.85   IRWD Check   Reconciled   425462   10-Mar-22   AIR TECHNICAL SERVICES, INC.   19.85   IRWD Check   Reconciled   425463   10-Mar-22   AIR TECHNICAL SERVICES, INC.   19.85   IRWD Check   Reconciled   425464   10-Mar-22   AIR TECHNICAL SERVICES, INC.   19.85   IRWD Check   Reconciled   425461   10-Mar-22   AIR TECHNICAL SERVICES, INC.   19.85   IRWD Check   Reconciled   425466   10-Mar-22   AMAZON CAPITAL SERVICES, INC.   19.85   IRWD Check   Reconciled   425466   10-Mar-22   ARM CONSERVATION GROUP, INC.   19.85   IRWD Check			•			
425445   3-Mar-22   WARD, WILLIAM P JR.   1,351.80   IRWD Check   Reconciled   425446   3-Mar-22   WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.   2,520.18   IRWD Check   Reconciled   425447   3-Mar-22   WASTE'S ENTERPRISES, INC   2,350.54   IRWD Check   Reconciled   425448   3-Mar-22   WECK LABORATORIES INC   174.00   IRWD Check   Reconciled   425449   3-Mar-22   WEST COAST SAFETY SUPPLY INC   2,619.82   IRWD Check   Reconciled   425450   10-Mar-22   Breiter, Michelle   23.52   IRWD Check   Reconciled   425451   10-Mar-22   Breiter, Michelle   28.80   IRWD Check   Reconciled   425452   10-Mar-22   Pan, Jenny W (Jenny)   112.11   IRWD Check   Reconciled   425453   10-Mar-22   Reinhart, Douglas J   309.96   IRWD Check   Reconciled   425454   10-Mar-22   Swan, Peer   80.90   IRWD Check   Negotiable   425454   10-Mar-22   Swan, Peer   80.90   IRWD Check   Negotiable   425455   10-Mar-22   Withers, John B   618.10   IRWD Check   Negotiable   425456   10-Mar-22   ABM INDUSTRY GROUPS, LLC   34,442.09   IRWD Check   Reconciled   425458   10-Mar-22   ABM INDUSTRY GROUPS, LLC   34,442.09   IRWD Check   Reconciled   425459   10-Mar-22   ABM INDUSTRY GROUPS, LLC   34,442.09   IRWD Check   Reconciled   425460   10-Mar-22   ABCOM TECHNICAL SERVICES, INC.   55,120.00   IRWD Check   Reconciled   425461   10-Mar-22   AECOM TECHNICAL SERVICES, INC.   55,120.00   IRWD Check   Reconciled   425462   10-Mar-22   AIR TECHNICAL SERVICES, INC.   198.55   IRWD Check   Reconciled   425462   10-Mar-22   AIR ALGAS, INC.   3,269.16   IRWD Check   Reconciled   425463   10-Mar-22   AMAZON CAPITAL SERVICES, INC.   3,269.16   IRWD Check   Reconciled   425465   10-Mar-22   AMERICAN WATER WORKS ASSOC   11,750.00   IRWD Check   Reconciled   425466   10-Mar-22   ARBEICAN WATER WORKS ASSOC   11,750.00   IRWD Check   Reconciled   425466   10-Mar-22   ARBEICAN WATER WORKS ASSOC   11,750.00   IRWD Check   Reconciled   425468   10-Mar-22   ARBEICAN WATER WORKS ASSOC   11,750.00   IRWD Check   Reconciled   425468   10-Mar-22   ARBEICAN WATER WORKS						
425445   3-Mar-22   WARD, WILLIAM P JR.	425444	3-Mar-22	WANG, SHUJUN	34.22		
425447         3-Mar-22         WAXIE'S ENTERPRISES, INC         2,350.54         IRWD Check         Reconciled           425448         3-Mar-22         WECK LABORATORIES INC         174.00         IRWD Check         Reconciled           425449         3-Mar-22         WEST COAST SAFETY SUPPLY INC         2,619.82         IRWD Check         Reconciled           425450         10-Mar-22         Breiter, Michelle         23.52         IRWD Check         Reconciled           425451         10-Mar-22         Hatch, Lauren         288.00         IRWD Check         Reconciled           425452         10-Mar-22         Pan, Jenny W (Jenny)         112.11         IRWD Check         Reconciled           425453         10-Mar-22         Swan, Peer         80.90         IRWD Check         Negotiable           425454         10-Mar-22         Withers, John B         618.10         IRWD Check         Negotiable           425455         10-Mar-22         X8 INC         10,524.85         IRWD Check         Reconciled           425456         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425457         10-Mar-22         ADVANCED CALIBRATION DESIGNS INC         1,559.00         IRWD Check         Recon	425445	3-Mar-22		1,351.80	IRWD Check	-
425448         3-Mar-22         WECK LABORATORIES INC         174.00         IRWD Check         Reconciled           425449         3-Mar-22         WEST COAST SAFETY SUPPLY INC         2,619.82         IRWD Check         Reconciled           425450         10-Mar-22         Breiter, Michelle         23.52         IRWD Check         Reconciled           425451         10-Mar-22         Hatch, Lauren         288.00         IRWD Check         Reconciled           425452         10-Mar-22         Pan, Jenny W (Jenny)         112.11         IRWD Check         Reconciled           425453         10-Mar-22         Reinhart, Douglas J         309.96         IRWD Check         Negotiable           425454         10-Mar-22         Withers, John B         618.10         IRWD Check         Negotiable           425455         10-Mar-22         Withers, John B         618.10         IRWD Check         Negotiable           425456         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425457         10-Mar-22         ABOVANCED CALBRATION DESIGNS INC         1,559.00         IRWD Check         Reconciled           425459         10-Mar-22         AIR TECHNICAL SERVICES, INC.         55,120.00         IRWD Check<	425446	3-Mar-22	WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.	2,520.18	IRWD Check	Reconciled
425449         3-Mar-22         WEST COAST SAFETY SUPPLY INC         2,619.82         IRWD Check         Reconciled           425450         10-Mar-22         Breiter, Michelle         23.52         IRWD Check         Reconciled           425451         10-Mar-22         Hatch, Lauren         288.00         IRWD Check         Reconciled           425452         10-Mar-22         Pan, Jenny W (Jenny)         112.11         IRWD Check         Reconciled           425453         10-Mar-22         Reinhart, Douglas J         309.96         IRWD Check         Negotiable           425454         10-Mar-22         Swan, Peer         80.90         IRWD Check         Negotiable           425455         10-Mar-22         Withers, John B         618.10         IRWD Check         Negotiable           425456         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425458         10-Mar-22         ABM INDUSTRY GROUPS, LLC         1,559.00         IRWD Check         Reconciled           425459         10-Mar-22         ABM INDUSTRY GROUPS, LLC         1,559.00         IRWD Check         Reconciled           425460         10-Mar-22         AECOM TECHNICAL SERVICES, INC.         1,559.00         IRWD Check	425447	3-Mar-22	WAXIE'S ENTERPRISES, INC	2,350.54	IRWD Check	Reconciled
425450         10-Mar-22         Breiter, Michelle         23.52         IRWD Check         Reconciled           425451         10-Mar-22         Hatch, Lauren         288.00         IRWD Check         Reconciled           425452         10-Mar-22         Pan, Jenny W (Jenny)         112.11         IRWD Check         Reconciled           425453         10-Mar-22         Reinhart, Douglas J         309.96         IRWD Check         Negotiable           425454         10-Mar-22         Swan, Peer         80.90         IRWD Check         Negotiable           425455         10-Mar-22         Withers, John B         618.10         IRWD Check         Negotiable           425456         10-Mar-22         ASX INC         10,524.85         IRWD Check         Reconciled           425457         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425458         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425459         10-Mar-22         ABCOM TECHNICAL SERVICES, INC         55,120.00         IRWD Check         Reconciled           425461         10-Mar-22         AIR GAS, INC.         4,205.23         IRWD Check         Reconciled	425448	3-Mar-22	WECK LABORATORIES INC	174.00	IRWD Check	Reconciled
425451         10-Mar-22         Hatch, Lauren         288.00         IRWD Check         Reconciled           425452         10-Mar-22         Pan, Jenny W (Jenny)         112.11         IRWD Check         Reconciled           425453         10-Mar-22         Reinhart, Douglas J         309.96         IRWD Check         Negotiable           425454         10-Mar-22         Swan, Peer         80.90         IRWD Check         Negotiable           425455         10-Mar-22         Withers, John B         618.10         IRWD Check         Negotiable           425456         10-Mar-22         8X8 INC         10,524.85         IRWD Check         Reconciled           425457         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425458         10-Mar-22         ADVANCED CALIBRATION DESIGNS INC         1,559.00         IRWD Check         Reconciled           425459         10-Mar-22         ALECOM TECHNICAL SERVICES, INC.         55,120.00         IRWD Check         Reconciled           425460         10-Mar-22         AIR TECHNICAL SERVICES, INC.         198.55         IRWD Check         Reconciled           425461         10-Mar-22         AMCONSERVATION GROUP, INC.         198.55         IRWD Check	425449	3-Mar-22	WEST COAST SAFETY SUPPLY INC	2,619.82	IRWD Check	Reconciled
425452         10-Mar-22         Pan, Jenny W (Jenny)         112.11         IRWD Check         Reconciled           425453         10-Mar-22         Reinhart, Douglas J         309.96         IRWD Check         Negotiable           425454         10-Mar-22         Swan, Peer         80.90         IRWD Check         Negotiable           425455         10-Mar-22         Withers, John B         618.10         IRWD Check         Negotiable           425456         10-Mar-22         8X8 INC         10,524.85         IRWD Check         Reconciled           425457         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425458         10-Mar-22         ADVANCED CALIBRATION DESIGNS INC         1,559.00         IRWD Check         Reconciled           425459         10-Mar-22         AECOM TECHNICAL SERVICES, INC.         55,120.00         IRWD Check         Reconciled           425460         10-Mar-22         AIR TECHNOLOGY LABORATORIES         289.00         IRWD Check         Reconciled           425461         10-Mar-22         AIR GAS, INC.         4,205.23         IRWD Check         Reconciled           425462         10-Mar-22         AMCONSERVATION GROUP, INC.         3,269.16         IRWD Check <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
425453         10-Mar-22         Reinhart, Douglas J         309.96         IRWD Check         Negotiable           425454         10-Mar-22         Swan, Peer         80.90         IRWD Check         Negotiable           425455         10-Mar-22         Withers, John B         618.10         IRWD Check         Negotiable           425456         10-Mar-22         8X8 INC         10,524.85         IRWD Check         Reconciled           425457         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425458         10-Mar-22         ADVANCED CALIBRATION DESIGNS INC         1,559.00         IRWD Check         Reconciled           425459         10-Mar-22         AECOM TECHNICAL SERVICES, INC.         55,120.00         IRWD Check         Reconciled           425460         10-Mar-22         AIR TECHNOLOGY LABORATORIES         289.00         IRWD Check         Reconciled           425461         10-Mar-22         AIRGAS, INC.         4,205.23         IRWD Check         Reconciled           425462         10-Mar-22         AM CONSERVATION GROUP, INC.         198.55         IRWD Check         Reconciled           425463         10-Mar-22         AMAZON CAPITAL SERVICES, INC.         3,269.16         IRWD	425451	10-Mar-22	Hatch, Lauren	288.00	IRWD Check	Reconciled
425454         10-Mar-22         Swan, Peer         80.90         IRWD Check         Negotiable           425455         10-Mar-22         Withers, John B         618.10         IRWD Check         Negotiable           425456         10-Mar-22         8X8 INC         10,524.85         IRWD Check         Reconciled           425457         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425458         10-Mar-22         ADVANCED CALIBRATION DESIGNS INC         1,559.00         IRWD Check         Reconciled           425459         10-Mar-22         AECOM TECHNICAL SERVICES, INC.         55,120.00         IRWD Check         Reconciled           425460         10-Mar-22         AIR TECHNOLOGY LABORATORIES         289.00         IRWD Check         Reconciled           425461         10-Mar-22         AIRGAS, INC.         4,205.23         IRWD Check         Reconciled           425462         10-Mar-22         AM CONSERVATION GROUP, INC.         198.55         IRWD Check         Reconciled           425463         10-Mar-22         AMERICAN WATER WORKS ASSOC         11,750.00         IRWD Check         Reconciled           425464         10-Mar-22         ANDERSON, SHIRLY         57.70         IRWD Check	425452	10-Mar-22	Pan, Jenny W (Jenny)	112.11	IRWD Check	Reconciled
425455         10-Mar-22         Withers, John B         618.10         IRWD Check         Negotiable           425456         10-Mar-22         8X8 INC         10,524.85         IRWD Check         Reconciled           425457         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425458         10-Mar-22         ADVANCED CALIBRATION DESIGNS INC         1,559.00         IRWD Check         Reconciled           425459         10-Mar-22         AECOM TECHNICAL SERVICES, INC.         55,120.00         IRWD Check         Reconciled           425460         10-Mar-22         AIR TECHNOLOGY LABORATORIES         289.00         IRWD Check         Reconciled           425461         10-Mar-22         AIRGAS, INC.         4,205.23         IRWD Check         Reconciled           425462         10-Mar-22         AM CONSERVATION GROUP, INC.         198.55         IRWD Check         Reconciled           425463         10-Mar-22         AMAZON CAPITAL SERVICES, INC.         3,269.16         IRWD Check         Reconciled           425464         10-Mar-22         AMERICAN WATER WORKS ASSOC         11,750.00         IRWD Check         Reconciled           425465         10-Mar-22         ARAG NORTH AMERICA, INC.         415	425453	10-Mar-22	Reinhart, Douglas J	309.96	IRWD Check	Negotiable
425456         10-Mar-22         8X8 INC         10,524.85         IRWD Check         Reconciled           425457         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425458         10-Mar-22         ADVANCED CALIBRATION DESIGNS INC         1,559.00         IRWD Check         Reconciled           425459         10-Mar-22         AECOM TECHNICAL SERVICES, INC.         55,120.00         IRWD Check         Reconciled           425460         10-Mar-22         AIR TECHNOLOGY LABORATORIES         289.00         IRWD Check         Reconciled           425461         10-Mar-22         AIRGAS, INC.         4,205.23         IRWD Check         Reconciled           425462         10-Mar-22         AM CONSERVATION GROUP, INC.         198.55         IRWD Check         Reconciled           425463         10-Mar-22         AMAZON CAPITAL SERVICES, INC.         3,269.16         IRWD Check         Reconciled           425464         10-Mar-22         AMERICAN WATER WORKS ASSOC         11,750.00         IRWD Check         Reconciled           425465         10-Mar-22         ARAG NORTH AMERICA, INC.         415.00         IRWD Check         Reconciled           425466         10-Mar-22         ARAG NORTH AMERICA, INC.	425454	10-Mar-22	Swan, Peer	80.90	IRWD Check	Negotiable
425457         10-Mar-22         ABM INDUSTRY GROUPS, LLC         34,442.09         IRWD Check         Reconciled           425458         10-Mar-22         ADVANCED CALIBRATION DESIGNS INC         1,559.00         IRWD Check         Reconciled           425459         10-Mar-22         AECOM TECHNICAL SERVICES, INC.         55,120.00         IRWD Check         Reconciled           425460         10-Mar-22         AIR TECHNOLOGY LABORATORIES         289.00         IRWD Check         Reconciled           425461         10-Mar-22         AIRGAS, INC.         4,205.23         IRWD Check         Reconciled           425462         10-Mar-22         AM CONSERVATION GROUP, INC.         198.55         IRWD Check         Reconciled           425463         10-Mar-22         AMAZON CAPITAL SERVICES, INC.         3,269.16         IRWD Check         Reconciled           425464         10-Mar-22         AMERICAN WATER WORKS ASSOC         11,750.00         IRWD Check         Reconciled           425465         10-Mar-22         ANDERSON, SHIRLY         57.70         IRWD Check         Negotiable           425466         10-Mar-22         ARAG NORTH AMERICA, INC.         415.00         IRWD Check         Reconciled           425467         10-Mar-22         ARDURRA GROUP, INC.	425455	10-Mar-22	Withers, John B	618.10	IRWD Check	Negotiable
425458         10-Mar-22         ADVANCED CALIBRATION DESIGNS INC         1,559.00         IRWD Check         Reconciled           425459         10-Mar-22         AECOM TECHNICAL SERVICES, INC.         55,120.00         IRWD Check         Reconciled           425460         10-Mar-22         AIR TECHNOLOGY LABORATORIES         289.00         IRWD Check         Reconciled           425461         10-Mar-22         AIRGAS, INC.         4,205.23         IRWD Check         Reconciled           425462         10-Mar-22         AM CONSERVATION GROUP, INC.         198.55         IRWD Check         Reconciled           425463         10-Mar-22         AMAZON CAPITAL SERVICES, INC.         3,269.16         IRWD Check         Reconciled           425464         10-Mar-22         AMERICAN WATER WORKS ASSOC         11,750.00         IRWD Check         Reconciled           425465         10-Mar-22         ANDERSON, SHIRLY         57.70         IRWD Check         Negotiable           425466         10-Mar-22         ARAG NORTH AMERICA, INC.         415.00         IRWD Check         Reconciled           425467         10-Mar-22         ARDURRA GROUP, INC.         29,280.00         IRWD Check         Reconciled           425468         10-Mar-22         ASSEMBLED PRODUCTS CORPORATION	425456	10-Mar-22	8X8 INC	10,524.85	IRWD Check	Reconciled
425459         10-Mar-22         AECOM TECHNICAL SERVICES, INC.         55,120.00         IRWD Check         Reconciled           425460         10-Mar-22         AIR TECHNOLOGY LABORATORIES         289.00         IRWD Check         Reconciled           425461         10-Mar-22         AIRGAS, INC.         4,205.23         IRWD Check         Reconciled           425462         10-Mar-22         AM CONSERVATION GROUP, INC.         198.55         IRWD Check         Reconciled           425463         10-Mar-22         AMAZON CAPITAL SERVICES, INC.         3,269.16         IRWD Check         Reconciled           425464         10-Mar-22         AMERICAN WATER WORKS ASSOC         11,750.00         IRWD Check         Reconciled           425465         10-Mar-22         ANDERSON, SHIRLY         57.70         IRWD Check         Negotiable           425466         10-Mar-22         ARAG NORTH AMERICA, INC.         415.00         IRWD Check         Reconciled           425467         10-Mar-22         ARDURRA GROUP, INC.         29,280.00         IRWD Check         Reconciled           425468         10-Mar-22         ASSEMBLED PRODUCTS CORPORATION         1,114.61         IRWD Check         Reconciled           425469         10-Mar-22         ASSOCIATION OF CALIFORNIA WATER AGENCI	425457	10-Mar-22	ABM INDUSTRY GROUPS, LLC	34,442.09	IRWD Check	Reconciled
425460         10-Mar-22         AIR TECHNOLOGY LABORATORIES         289.00         IRWD Check         Reconciled           425461         10-Mar-22         AIRGAS, INC.         4,205.23         IRWD Check         Reconciled           425462         10-Mar-22         AM CONSERVATION GROUP, INC.         198.55         IRWD Check         Reconciled           425463         10-Mar-22         AMAZON CAPITAL SERVICES, INC.         3,269.16         IRWD Check         Reconciled           425464         10-Mar-22         AMERICAN WATER WORKS ASSOC         11,750.00         IRWD Check         Reconciled           425465         10-Mar-22         ANDERSON, SHIRLY         57.70         IRWD Check         Negotiable           425466         10-Mar-22         ARAG NORTH AMERICA, INC.         415.00         IRWD Check         Reconciled           425467         10-Mar-22         ARDURRA GROUP, INC.         29,280.00         IRWD Check         Reconciled           425468         10-Mar-22         ASSEMBLED PRODUCTS CORPORATION         1,114.61         IRWD Check         Reconciled           425469         10-Mar-22         ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA         37,135.44         IRWD Check         Reconciled	425458	10-Mar-22	ADVANCED CALIBRATION DESIGNS INC	1,559.00	IRWD Check	Reconciled
425461         10-Mar-22         AIRGAS, INC.         4,205.23         IRWD Check         Reconciled           425462         10-Mar-22         AM CONSERVATION GROUP, INC.         198.55         IRWD Check         Reconciled           425463         10-Mar-22         AMAZON CAPITAL SERVICES, INC.         3,269.16         IRWD Check         Reconciled           425464         10-Mar-22         AMERICAN WATER WORKS ASSOC         11,750.00         IRWD Check         Reconciled           425465         10-Mar-22         ANDERSON, SHIRLY         57.70         IRWD Check         Negotiable           425466         10-Mar-22         ARAG NORTH AMERICA, INC.         415.00         IRWD Check         Reconciled           425467         10-Mar-22         ARDURRA GROUP, INC.         29,280.00         IRWD Check         Reconciled           425468         10-Mar-22         ASSEMBLED PRODUCTS CORPORATION         1,114.61         IRWD Check         Reconciled           425469         10-Mar-22         ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA         37,135.44         IRWD Check         Reconciled	425459	10-Mar-22	AECOM TECHNICAL SERVICES, INC.	55,120.00	IRWD Check	Reconciled
425462         10-Mar-22         AM CONSERVATION GROUP, INC.         198.55         IRWD Check         Reconciled           425463         10-Mar-22         AMAZON CAPITAL SERVICES, INC.         3,269.16         IRWD Check         Reconciled           425464         10-Mar-22         AMERICAN WATER WORKS ASSOC         11,750.00         IRWD Check         Reconciled           425465         10-Mar-22         ANDERSON, SHIRLY         57.70         IRWD Check         Negotiable           425466         10-Mar-22         ARAG NORTH AMERICA, INC.         415.00         IRWD Check         Reconciled           425467         10-Mar-22         ARDURRA GROUP, INC.         29,280.00         IRWD Check         Reconciled           425468         10-Mar-22         ASSEMBLED PRODUCTS CORPORATION         1,114.61         IRWD Check         Reconciled           425469         10-Mar-22         ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA         37,135.44         IRWD Check         Reconciled	425460	10-Mar-22	AIR TECHNOLOGY LABORATORIES	289.00	IRWD Check	Reconciled
425463         10-Mar-22         AMAZON CAPITAL SERVICES, INC.         3,269.16         IRWD Check         Reconciled           425464         10-Mar-22         AMERICAN WATER WORKS ASSOC         11,750.00         IRWD Check         Reconciled           425465         10-Mar-22         ANDERSON, SHIRLY         57.70         IRWD Check         Negotiable           425466         10-Mar-22         ARAG NORTH AMERICA, INC.         415.00         IRWD Check         Reconciled           425467         10-Mar-22         ARDURRA GROUP, INC.         29,280.00         IRWD Check         Reconciled           425468         10-Mar-22         ASSEMBLED PRODUCTS CORPORATION         1,114.61         IRWD Check         Reconciled           425469         10-Mar-22         ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA         37,135.44         IRWD Check         Reconciled	425461	10-Mar-22	AIRGAS, INC.	4,205.23	IRWD Check	Reconciled
42546410-Mar-22AMERICAN WATER WORKS ASSOC11,750.00IRWD CheckReconciled42546510-Mar-22ANDERSON, SHIRLY57.70IRWD CheckNegotiable42546610-Mar-22ARAG NORTH AMERICA, INC.415.00IRWD CheckReconciled42546710-Mar-22ARDURRA GROUP, INC.29,280.00IRWD CheckReconciled42546810-Mar-22ASSEMBLED PRODUCTS CORPORATION1,114.61IRWD CheckReconciled42546910-Mar-22ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA37,135.44IRWD CheckReconciled	425462	10-Mar-22		198.55	IRWD Check	Reconciled
42546510-Mar-22ANDERSON, SHIRLY57.70IRWD CheckNegotiable42546610-Mar-22ARAG NORTH AMERICA, INC.415.00IRWD CheckReconciled42546710-Mar-22ARDURRA GROUP, INC.29,280.00IRWD CheckReconciled42546810-Mar-22ASSEMBLED PRODUCTS CORPORATION1,114.61IRWD CheckReconciled42546910-Mar-22ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA37,135.44IRWD CheckReconciled	425463	10-Mar-22	AMAZON CAPITAL SERVICES, INC.	3,269.16	IRWD Check	Reconciled
42546610-Mar-22ARAG NORTH AMERICA, INC.415.00IRWD CheckReconciled42546710-Mar-22ARDURRA GROUP, INC.29,280.00IRWD CheckReconciled42546810-Mar-22ASSEMBLED PRODUCTS CORPORATION1,114.61IRWD CheckReconciled42546910-Mar-22ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA37,135.44IRWD CheckReconciled	425464	10-Mar-22	AMERICAN WATER WORKS ASSOC	11,750.00	IRWD Check	Reconciled
42546710-Mar-22ARDURRA GROUP, INC.29,280.00IRWD CheckReconciled42546810-Mar-22ASSEMBLED PRODUCTS CORPORATION1,114.61IRWD CheckReconciled42546910-Mar-22ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA37,135.44IRWD CheckReconciled	425465	10-Mar-22	ANDERSON, SHIRLY	57.70	IRWD Check	Negotiable
425468 10-Mar-22 ASSEMBLED PRODUCTS CORPORATION 1,114.61 IRWD Check Reconciled 425469 10-Mar-22 ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA 37,135.44 IRWD Check Reconciled	425466	10-Mar-22	ARAG NORTH AMERICA, INC.	415.00	IRWD Check	Reconciled
425469 10-Mar-22 ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA 37,135.44 IRWD Check Reconciled	425467	10-Mar-22	ARDURRA GROUP, INC.	29,280.00	IRWD Check	Reconciled
	425468	10-Mar-22	ASSEMBLED PRODUCTS CORPORATION	1,114.61	IRWD Check	Reconciled
425470 10-Mar-22 AT&T 4,515.16 IRWD Check Reconciled	425469	10-Mar-22	ASSOCIATION OF CALIFORNIA WATER AGENCIES/JPIA	37,135.44	IRWD Check	Reconciled
	425470	10-Mar-22	AT&T	4,515.16	IRWD Check	Reconciled

CHECK OR				PAYMENT	
ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
425471	10-Mar-22	ATLAS INTEGRATED SYSTEMS INC.	22,097.72	IRWD Check	Reconciled
425472	10-Mar-22	AUTOZONE PARTS, INC.	394.34	IRWD Check	Reconciled
425473	10-Mar-22	BATTERIES PLUS AND BATTERIES PLUS BULBS	1,791.68	IRWD Check	Reconciled
425474	10-Mar-22	BATTERY SYSTEMS INC	2,827.86	IRWD Check	Reconciled
425475	10-Mar-22	BAVCO BACKFLOW APPARATUS & VALVE COMPANY	119.40	IRWD Check	Reconciled
425476	10-Mar-22	BERGLAS-SCHOBERT, MOUREEN	144.34	IRWD Check	Reconciled
425477	10-Mar-22	BEST BUY BUSINESS ADVANTAGE ACCOUNT	1,292.89	IRWD Check	Reconciled
425478	10-Mar-22	BEST DRILLING AND PUMP, INC.	140,376.75	IRWD Check	Reconciled
425479	10-Mar-22	BIOMAGIC INC	9,006.02	IRWD Check	Reconciled
425480	10-Mar-22	BLOOMBERG FINANCE LP	13,605.00	IRWD Check	Reconciled
425481	10-Mar-22	BSI SERVICES AND SOLUTIONS (WEST) INC.	50,750.00	IRWD Check	Reconciled
425482	10-Mar-22	C WELLS PIPELINE MATERIALS INC	1,325.33	IRWD Check IRWD Check	Reconciled
425483	10-Mar-22	CALIFORNIA NEWSPAPERS PARTNERSHIP	13,185.00		Reconciled
425484 425485	10-Mar-22	CALIFORNIA NEWSPAPERS PARTNERSHIP CANON SOLUTIONS AMERICA, INC.	6,456.59 4,436.72	IRWD Check IRWD Check	Reconciled
425486	10-Mar-22 10-Mar-22	CANON SOLUTIONS AMERICA, INC.	16.85	IRWD Check	Reconciled Reconciled
425487	10-Mar-22	CAPTIVE AUDIENCE MARKETING INC.	79.00	IRWD Check	Reconciled
425488	10-Mar-22	CAREERS IN GOVERNMENT, INC.	2,700.00	IRWD Check	Reconciled
425489	10-Mar-22	CART-AWAY CONCRETE SYSTEMS, INC.	328.69	IRWD Check	Reconciled
425490	10-Mar-22	CDW GOVERNMENT LLC	14,925.08	IRWD Check	Reconciled
425491	10-Mar-22	CHAIREL CUSTOM HAY, INC.	911.50	IRWD Check	Reconciled
425492	10-Mar-22	CHEM TECH INTERNATIONAL INC	5,894.91	IRWD Check	Reconciled
425493	10-Mar-22	CHEMPACK & ENVIRONMENTAL, LLC	1,150.00	IRWD Check	Reconciled
425494	10-Mar-22	CITY OF IRVINE	29,231.90	IRWD Check	Reconciled
425495	10-Mar-22	CITY OF ORANGE	232.41	IRWD Check	Reconciled
425496	10-Mar-22	CLA-VAL COMPANY	4,919.15	IRWD Check	Reconciled
425497	10-Mar-22	CLEAN ENERGY	5,482.82	IRWD Check	Reconciled
425498	10-Mar-22	COASTAL OCCUPATIONAL MEDICAL GROUP, INC.	704.45	IRWD Check	Reconciled
425499	10-Mar-22	CONSTELLATION NEWENERGY, INC.	72,393.56	IRWD Check	Reconciled
425500	10-Mar-22	CORELOGIC INC	6,399.98	IRWD Check	Reconciled
425501	10-Mar-22	COX COMMUNICATIONS, INC.	278.78	IRWD Check	Reconciled
425502	10-Mar-22	CULLIGAN OF SANTA ANA	20,000.00	IRWD Check	Reconciled
425503	10-Mar-22	CV TECHNOLOGY, INC.	10,300.00	IRWD Check	Reconciled
425504	10-Mar-22	D & H WATER SYSTEMS INC.	336.11	IRWD Check	Reconciled
425505	10-Mar-22	DAS, BISWA	597.67	IRWD Check	Reconciled
425506	10-Mar-22	DCS MANAGEMENT LLC	148.44	IRWD Check	Reconciled
425507	10-Mar-22	DEALERS SERVICE COMPANY, INC	3,926.75	IRWD Check	Reconciled
425508	10-Mar-22	DEPARTMENT OF CONSUMER AFFAIRS	250.00	IRWD Check	Reconciled
425509	10-Mar-22	DEX MEDIA, INC.	41.00	IRWD Check	Reconciled
425510	10-Mar-22	DISCOVERY SCIENCE CENTER OF ORANGE COUNTY	4,305.20	IRWD Check	Reconciled
425511	10-Mar-22	DUDEK	11,340.56	IRWD Check	Reconciled
425512	10-Mar-22	EHS INTERNATIONAL,INC	1,045.50	IRWD Check	Reconciled
425513	10-Mar-22	EMD MILLIPORE CORP.	5,016.25	IRWD Check	Reconciled
425514	10-Mar-22	ENVIRONMENTAL RESOURCE ASSOCIATES	673.67	IRWD Check	Reconciled
425515	10-Mar-22	ENVIRONMENTAL SCIENCE ASSOCIATES	7,210.44	IRWD Check	Reconciled
425516	10-Mar-22	EQUALTOX, LLC	12,750.00	IRWD Check	Reconciled
425517	10-Mar-22	EUROFINS ENVIRONMENT TESTING AMERICA HOLDINGS, INC.	3,973.75	IRWD Check	Reconciled
425518	10-Mar-22	EVOQUA WATER TECHNOLOGIES LLC	357.48 1.635.24	IRWD Check	Reconciled
425519	10-Mar-22	EXCEL PAVING CO.	1,625.24	IRWD Check	Reconciled
425520 425521	10-Mar-22 10-Mar-22	EXECUTIVE LIGHTING & ELECTRIC FACTORY MUTUAL INSURANCE COMPANY	1,116.31	IRWD Check IRWD Check	Reconciled Reconciled
425521 425522	10-Mar-22	FARTELL & ASSOCIATES	20,000.00 107.73		Reconciled
425522 425523	10-Mar-22	FEDEX	374.88	IRWD Check IRWD Check	Reconciled
425523 425524	10-Mar-22	FERGUSON ENTERPRISES, LLC	7,011.94	IRWD Check	Reconciled
425525	10-Mar-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	180.35	IRWD Check	Reconciled
425526	10-Mar-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	85.52	IRWD Check	Reconciled
425527	10-Mar-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	917.76	IRWD Check	Reconciled
425528	10-Mar-22	FISHER SCIENTIFIC COMPANY LLC	9,149.74	IRWD Check	Reconciled
425529	10-Mar-22	FLEET SOLUTIONS LLC	5,759.20	IRWD Check	Reconciled
425530	10-Mar-22	FUSCOE ENGINEERING, INC.	598.00	IRWD Check	Reconciled
425531	10-Mar-22	GCI CONSTRUCTION, INC.	54,240.45	IRWD Check	Reconciled
425532	10-Mar-22	GI ENDURANT LLC	32,725.00	IRWD Check	Reconciled
425533	10-Mar-22	GRAINGER	5,030.58	IRWD Check	Reconciled
425534	10-Mar-22	GUIDA SURVEYING INC.	2,794.25	IRWD Check	Reconciled
425535	10-Mar-22	HACH COMPANY	1,609.41	IRWD Check	Reconciled
425536	10-Mar-22	HARBOR TRUCK BODIES, INC.	7,693.37	IRWD Check	Reconciled
425537	10-Mar-22	HARRINGTON INDUSTRIAL PLASTICS LLC	11,912.12	IRWD Check	Reconciled
			•		

	CHECK OR				PAYMENT	
495539   10 Mary 2   ILEPAMETS STAFFING SERVICES   3,977.00   Reconciled   Reconciled   429541   10 Mary 22   ILLEPAMETS STAFFING SERVICES   10 Mary 22   ILLEPAMETS SERVICES   10 Mary 2				PAYMENT AMOUNT	METHOD	STATUS
425540   10 Mary 22   HE PANATES STAFFING STREVICES ILC   2,742.92   MINV Check   Regorable   425541   10 Mary 22   HE ROTHERS CHEMANY   7,991.9   MINV Check   Regorable   425542   10 Mary 22   HOME DEFOT USA INC   5,000.0   RW Check   Reconsided   425549   10 Mary 22   HOME DEFOT USA INC   5,000.0   RW Check   Reconsided   425540   10 Mary 22   HOW DEFOT USA INC   5,000.0   RW Check   Reconsided   425540   10 Mary 22   HOW DEFOT USA INC   5,000.0   RW Check   Reconsided   425540   10 Mary 22   HOW DEFOT RECONSTRUCTION   5,000.0   RW Check   Reconsided   425540   10 Mary 22   HOW DEFOT RECONSTRUCTION   4,000.0   RW Check   Reconsided   425540   10 Mary 22   HOW DEFOT RECONSTRUCTION   4,000.0   RW Check   Reconsided   425540   10 Mary 22   HOW DEFOT RECONSTRUCTION   4,000.0   RW Check   Reconsided   425551   10 Mary 22   HOW DEFOT RECONSTRUCTION   4,000.0   RW Check   Reconsided   425551   10 Mary 22   LO MORE 22   RW Check   RECONSTRUCTION   4,000.0   RW Check   REC						
425541   10 Mary 22   INM PERFORMANY   7,691 56   MINO Check   Reconciled   425543   10 Mary 22   IDA INALI   10 Mary 22   IDA INALI   10 Mary 22   IDA INALI   10 Mary 23   IDA INALI   10 Mary 24   IDA INALI   10 Mary 24   INDOSTINAL METAL SUPPLY CO   2.21 39   INVO Check   Reconciled   425545   10 Mary 22   INFOSEND, INC   30.58 8   INVO Check   Reconciled   425547   10 Mary 22   INFOSEND, INC   30.58 8   INVO Check   Reconciled   425547   10 Mary 22   INFOSEND, INC   30.58 8   INVO Check   Reconciled   425547   10 Mary 22   INFOSEND, INC   425550   INFOSEND, INC   INFOSEND, INC						
10 Mary 22						
425543   1.0 Mar-22   IDSA HALL   5,000.00   EMVD Check   Resconsider   425545   1.0 Mar-22   INIOSITRIAL MERICA   5,000.00   EMVD Check   Resconsider   425546   1.0 Mar-22   INIOSITRIAL MERICA   5,000.00   EMVD Check   Resconsider   425547   1.0 Mar-22   IRVINE PACIFIC   305.88   IMVD Check   Resconsider   425549   1.0 Mar-22   IRVINE PACIFIC   425549   1.0 Mar-22   IRVINE PACIFIC   425549   1.0 Mar-22   IRVINE PACIFIC   425540   1.0 Mar-22   IRVINE PACIFIC   425550   IRVINE PACIFIC   425550						-
A25544						
10   10   10   10   10   10   10   10						
10-5566   10-5667   10-5						
1955-87   19-Mar-22   INVINE PRE & SUPPLY INC   2,559.71   18 WID Cheek   Reconciled   23-5349   19-Mar-22   INVINE PRE & SUPPLY INC   2,559.71   18 WID Cheek   Reconciled   23-5551   19-Mar-22   INVINE PRE & SUPPLY INC   4,591.81   18 WID Cheek   Reconciled   23-5551   19-Mar-22   IS CONSULTANTS   3,345.00   INVID Cheek   Reconciled   23-5551   19-Mar-22   IS CONSULTANTS   3,345.00   INVID Cheek   Reconciled   23-5553   19-Mar-22   IS CONSULTANTS   4,302.00   INVID Cheek   Reconciled   23-5552   19-Mar-22   IS CONSULTANTS   4,302.00   INVID Cheek   Reconciled   23-5552   19-Mar-22   IS CONSULTANTS   4,302.00   INVID Cheek   Reconciled   23-5553   19-Mar-22   IS CONSULTANTS   4,302.00   INVID Cheek   Reconciled   23-5553   19-Mar-22   IS CONSULTANTS   4,302.00   INVID Cheek   Reconciled   23-5554   19-Mar-22   IS CONSULTANTS   1,305.00   INVID Cheek   Reconciled   23-5556   19-Mar-22   IS CONSULTANTS   IS CONSULTANTS   1,305.00   INVID Cheek   Reconciled   23-5561   19-Mar-22   IS CONSULTANTS   IS CONSULTANTS						
19-548   10-Mar-22   INVINE PIPE & SUPPLY INC   2,590.7   INVID Cheek   Reconciled   425550   10-Mar-22   ICI JONS CHEMICALS INC   4,691.81   INVID Cheek   Reconciled   425551   10-Mar-22   ICI JONS CHEMICALS INC   4,891.81   INVID Cheek   Reconciled   425552   10-Mar-22   JPR SYSTEMS INC   4,302.00   INVID Cheek   Reconciled   425554   10-Mar-22   JPR SYSTEMS INC   4,882.50   10-Mar-22   JPR SYSTEMS INC   4,882.50   10-Mar-22   JPR SYSTEMS INC   4,882.50   10-Mar-22   KIM, MELISSA   45.31   INVID Cheek   Reconciled   425555   10-Mar-22   KIM, ALL MIDWEST   3,990.00   INVID Cheek   Reconciled   425555   10-Mar-22   KIMABAL IMDIVEST   3,990.00   INVID Cheek   Reconciled   425555   10-Mar-22   KIMABAL IMDIVEST   3,990.00   INVID Cheek   Reconciled   425556   10-Mar-22   LAND CARRA HOLDINGS, INC   10,181.97   INVID Cheek   Reconciled   425556   10-Mar-22   LAND CARRA HOLDINGS, INC   10,181.97   INVID Cheek   Reconciled   425556   10-Mar-22   LAND CARRA HOLDINGS, INC   15,990.00   INVID Cheek   Reconciled   425556   10-Mar-22   LAND OFFICE OF ATOCSA VARIU   1,043.46   INVID Cheek   Reconciled   425556   10-Mar-22   LAND OFFICE OF ATOCSA VARIU   1,043.47   INVID Cheek   Reconciled   425556   10-Mar-22   LAND OFFICE OF ATOCSA VARIU   1,043.47   INVID Cheek   Reconciled   425556   10-Mar-22   LAND OFFICE OF ATOCSA VARIU   1,043.47   INVID Cheek   Reconciled   425556   10-Mar-22   LAND OFFICE OF ATOCSA VARIU   1,043.47   INVID Cheek   Reconciled   425556   10-Mar-22   LAND OFFICE OF ATOCSA VARIU   1,043.47   INVID Cheek   Reconciled   425556   10-Mar-22   LAND OFFICE OF ATOCSA VARIU   1,043.47   INVID Cheek   Reconciled   425556   10-Mar-22   INVID Cheek   Reconciled   425557   10-Mar-22   INVID Cheek   Reconciled   425556   10-Mar-22   INVID Cheek   Reconciled   425557   10-Mar-22   INVID Cheek   Reconciled   425556   10-Mar-22						
19-5459						
1945/2550   1944/47-22   1918 YSTEMS INC.   4,991.81   1819/0 Cheek   Reconciled   425552   1944/47-22   1918 YSTEMS INC.   4,302.00   1819/0 Cheek   Reconciled   425553   1944/47-22   1918 YSTEMS INC.   4,302.00   1819/0 Cheek   Reconciled   425554   1944/47-22   1918 YSTEMS INC.   4,825.00   1819/0 Cheek   Reconciled   425555   1944/47-22   1941/0 Cheek   Reconciled   425557   1944/47-22   1940/0 Cheek   Reconciled   425558   1944/47-22   1940/0 Cheek   Reconciled   425559   1944/47-22   1940/0 Cheek   Reconciled   425550   1944/47-22   1940/0 Cheek   Reconciled   425556   1944/47-22   1940/47-22   1940/0 Cheek   Reconciled   425556   1944/47-22   1940/47-22   1940/0 Cheek   Reconciled   425556   1944/47-22   1940/47-22   1940/0 Cheek   Reconciled   425556   1944/47-22   1940/0 Cheek   Reconciled   425557   1944/47-23   1940/0 Cheek   Reconciled   425557   1944/47-23   1940/0 Cheek   Reconciled   425557   1944/47-23   1940/0 Cheek   Reconciled   425557   1944/47-24   1945/0 Cheek   Reconciled   425558   1944/47-24   1945/0 Che						
1945/551   1946/472   JIS CONSULTANTS   3,345.00   RWD Cheek   Reconciled   425553   1946/472   JPR SYSTENS INC   4,302.00   RWD Cheek   Reconciled   425554   1946/472   KIMA RELISAS   ASSOCIATES, INC   4,882.50   RWD Cheek   Reconciled   425555   1946/472   KIMA RELISAS						
25552   10-Mar-22   PRISTEMS INC   4,982.50   RIWD Check   Reconciled   25554   10-Mar-22   KIM, MELISSA   CREATION   4,982.50   RIWD Check   Reconciled   255556   10-Mar-22   KIM, MELISSA   CREATION   4,982.50   RIWD Check   Reconciled   255556   10-Mar-22   KIMBALI MIDWEST   S1,273   RIWD Check   Reconciled   255556   10-Mar-22   KIMBALI MIDWEST   G97.00   RIWD Check   Reconciled   255558   10-Mar-22   LAND CARE HOLDINGS, INC   1018.19,71   RIWD Check   Reconciled   255559   10-Mar-22   LAND CARE HOLDINGS, INC   1018.19,71   RIWD Check   Reconciled   255550   10-Mar-22   LAND CARE FOR TOOSA VARIU   4,600   RIWD Check   Reconciled   255560   10-Mar-22   LAW OFFICE OF ATODSA VARIU   4,600   RIWD Check   Reconciled   255561   10-Mar-22   LAW OFFICE OF ATODSA VARIU   4,000   RIWD Check   Reconciled   255561   10-Mar-22   LAW OFFICE OF ATODSA VARIU   4,000   RIWD Check   Reconciled   255561   10-Mar-22   LAW OFFICE OF ATODSA VARIU   4,000   RIWD Check   Reconciled   255561   10-Mar-22   LIMD CARE FOR CONSULTING, INC   2,000   RIWD Check   Reconciled   255561   10-Mar-22   LIMD CONSULTING, INC   2,000   RIWD Check   Reconciled   255561   10-Mar-22   MARK ENTERPRISES TECHNOLOGIES LLC   8,450.575   RIWD Check   Reconciled   255566   10-Mar-22   MAKE ENTERPRISES TECHNOLOGIES LLC   8,450.575   RIWD Check   Reconciled   255566   10-Mar-22   MC MASTER CARS SUPPLY CO   763.44   RIWD Check   Reconciled   255567   10-Mar-22   MC MASTER CARS SUPPLY CO   763.44   RIWD Check   Reconciled   255567   10-Mar-22   MC MASTER CARS SUPPLY CO   763.44   RIWD Check   Reconciled   25557   10-Mar-22   MC MASTER CARS SUPPLY CO   8,541.64   RIWD Check   Reconciled   25557   10-Mar-22   MC MORPHOLOGIES LLC   8,540.64   RIWD Check   Reconciled   25557   10-Mar-22   MC MORPHOLOGIES LLC   8,540.64   RIWD Check   Reconciled   25557   10-Mar-22   MC MORPHOLOGIES LLC   8,540.64   RIWD Check   Reconciled   25557   10-Mar-22   MC MORPHOLOGIES LLC   8,540.64   RIWD Check   Reconciled   25557   10-Mar-22   MC MORPHOLOGIES LLC   8,540.64   RIWD Chec						
425553   10 Mar-22   KAZARIANS & ASSOCIATES, INC.   4,882,50   RIWD Check Reconciled   425555   10 Mar-22   KIMBALL MIDWEST   3,960   RIWD Check Reconciled   425556   10 Mar-22   KIMBALL MIDWEST   3,960   RIWD Check Reconciled   425557   10 Mar-22   LAN BECKETT   697.00   RIWD Check Reconciled   425559   10 Mar-22   LAN BECKETT   697.00   RIWD Check Reconciled   425559   10 Mar-22   LAN DEFICE OF ATODSA VARIU   1,444,600   RIWD Check Reconciled   425559   10 Mar-22   LAW OFFICE OF ATODSA VARIU   1,444,600   RIWD Check Reconciled   425561   10 Mar-22   LAW OFFICE OF ATODSA VARIU   1,444,400   RIWD Check Reconciled   425561   10 Mar-22   LAW OFFICE OF ATODSA VARIU   1,444,400   RIWD Check Reconciled   425561   10 Mar-22   LAW OFFICE OF ATODSA VARIU   1,544,400   RIWD Check Reconciled   425563   10 Mar-22   LAW OFFICE OF ATODSA VARIU   1,544,400   RIWD Check Reconciled   425563   10 Mar-22   LAW OFFICE OF ATODSA VARIU   1,544,400   RIWD Check Reconciled   425565   10 Mar-22   LAW OFFICE OF ATODSA VARIU   1,544,400   RIWD Check Reconciled   425565   10 Mar-22   LAW OFFICE OF ATODSA VARIU   1,544,500   RIWD Check Reconciled   425565   10 Mar-22   LIMDS GAS REQUIPMENT   1,544,500   RIWD Check Reconciled   425567   10 Mar-22   MIR KIND Check RECONCILED   425569   10 Mar-22   MIR KIND Check RECONCILED   425569   10 Mar-22   MIR KIND Check RECONCILED   425569   10 Mar-22   MIR KIND Check RECONCILED   425579   10 Mar-22   MIR KIND Check RECONCILED   425589   10 Mar-22   MIR KIND CHECK RECON						
425556						
1945555   10-Mar-22   KIMBAL MIDWEST   3,950.0   RIVO Cheek Reconciled   255557   10-Mar-22   LANA BECKETT   6,970.0   RIVO Cheek Reconciled   255557   10-Mar-22   LANA BECKETT   6,970.0   RIVO Cheek Reconciled   255559   10-Mar-22   LAND CAPITOLO CAPIT						
425556						
425557						
10.819.71   10.Mar-22						
425559   10-Mar-22   LAW OFFICE OF ATOOSA VAKUL   4,680.00   16WD Check   Reconciled   425561   10-Mar-22   LAW OFFICE OF ATOOSA VAKUL   4,000.00   18WD Check   Reconciled   425562   10-Mar-22   LINDE GAS & EQUIPMENT INC   1,5972.31   18WD Check   Reconciled   425563   10-Mar-22   LINDE GAS & EQUIPMENT INC   8,200.00   18WD Check   Reconciled   425564   10-Mar-22   LINDE GAS & EQUIPMENT INC   8,400.00   18WD Check   Reconciled   425565   10-Mar-22   MISK ENGINEERS   6,464.00   18WD Check   Reconciled   425566   10-Mar-22   MISK ENGINEERS   6,464.00   18WD Check   Reconciled   425566   10-Mar-22   MISK ENGINEERS   6,464.00   18WD Check   Reconciled   425566   10-Mar-22   MISK ENGINEERS   6,464.00   18WD Check   Reconciled   425567   10-Mar-22   MISK ENGINEERS   6,464.00   18WD Check   Reconciled   425573   10-Mar-22   MISK ENGINEERS   6,464.00   18WD Check   Reconciled   425579   10-Mar-22   MISK ENGINEERS   6,464.00   18WD Check   Reconciled   425579   10-Mar-22   MISK ENGINEERS   6,464.00   18WD Check   Reconciled   425579   10-Mar-22   MISK ENGINEERS   6,464.00   18WD Check   Reconciled   425581   10-Mar-22   OCSUPERIOR CUSTOM CLEANING   3,600.00   18WD Check   Reconciled   425581   10-Mar-22   OCSUPERIOR CUSTOM CLEANING   3,600.00   18WD Check   Reconciled   425581   10-Mar-22   OCSUPERIOR CUSTOM CLEANING   3,600.00   18WD Check   Reconciled   425586   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,581.00   18WD Check   Reconciled   425589   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,581.00						
425560						
475562			LAW OFFICE OF ATOOSA VAKILI	1,643.46		
425563			LAW OFFICE OF ATOOSA VAKILI			
425564	425562	10-Mar-22	LINDE GAS & EQUIPMENT INC.	1,597.23	IRWD Check	Reconciled
MBK ENGINEERS   6,484.00   IRWD Check   Reconciled   425566   10-Mar-22   MC MASTER CARR SUPPLY CO   76.34.4   IRWD Check   Reconciled   425567   10-Mar-22   MEGGER   MEL UNDERWOOD WATER TRUCKS & EQUIPMENT   960.00   IRWD Check   Reconciled   425568   10-Mar-22   MERCER (US) INC.   5.418.81   IRWD Check   Reconciled   425570   10-Mar-22   MERCER (US) INC.   5.418.81   IRWD Check   Reconciled   425571   10-Mar-22   MICHAEL BAKER INTERNATIONAL, INC.   2,640.00   IRWD Check   Reconciled   425573   10-Mar-22   MICHAEL BAKER INTERNATIONAL, INC.   3,640.00   IRWD Check   Reconciled   425573   10-Mar-22   MICHAEL BAKER INTERNATIONAL, INC.   381.40   IRWD Check   Reconciled   425574   10-Mar-22   MISSION COMMUNICATIONS, LLC   381.40   IRWD Check   Reconciled   425575   10-Mar-22   NATIONAL READY MIXED CONCRETE SALES, LLC   1,467.58   IRWD Check   Reconciled   425575   10-Mar-22   NATIONAL READY MIXED CONCRETE SALES, LLC   1,415.63   IRWD Check   Reconciled   425576   10-Mar-22   NATIONAL READY MIXED CONCRETE SALES, LLC   1,415.63   IRWD Check   Reconciled   425578   10-Mar-22   NATIONAL READY MIXED CONCRETE SALES, LLC   1,415.63   IRWD Check   Reconciled   425578   10-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   1,415.63   IRWD Check   Reconciled   425578   10-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   3,818.48   IRWD Check   Reconciled   425581   10-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   3,818.48   IRWD Check   Reconciled   425581   10-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   3,818.49   IRWD Check   Reconciled   425581   10-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   3,818.49   IRWD Check   Reconciled   425581   10-Mar-22   O'REILLY AUTO ENTERPRISES   IRWD Check   Reconciled   425585   10-Mar-22   O'REILLY AUTO ENTERPRISES   IRWD Check   Reconciled   425585   10-Mar-22   O'RANGE COUNTY FIRE AUTHORITY   1,116.00   IRWD Check   Reconciled   425586   10-Mar-22   O'RANGE COUNTY FIRE AUTHORITY   1,116.00   IRWD Check   Reconciled   425581   10-Mar-22   O'RANGE COUNTY FIRE AUTHORITY   1,116.00   IRWD Check   Reconciled   42	425563	10-Mar-22	LINDSAY POLIC CONSULTING, INC.	8,200.00	IRWD Check	Reconciled
425566	425564	10-Mar-22	MARK ENTERPRISES TECHNOLOGIES LLC	84,505.75	IRWD Check	Reconciled
425567	425565	10-Mar-22	MBK ENGINEERS	6,484.00	IRWD Check	Reconciled
425568   10-Mar-22   MEL UNDERWOOD WATER TRUCKS & EQUIPMENT   960.00   IRWD Check   Reconciled   425570   10-Mar-22   MERCER (US) INC.   2,640.00   IRWD Check   Reconciled   425571   10-Mar-22   MICROSOFT CORPORATION   20.00   IRWD Check   Reconciled   425571   10-Mar-22   MICROSOFT CORPORATION   20.00   IRWD Check   Reconciled   425574   10-Mar-22   MICROSOFT CORPORATION   20.00   IRWD Check   Reconciled   425574   10-Mar-22   MORRISROE, EDWARD   433.14   IRWD Check   Reconciled   425575   10-Mar-22   MORRISROE, EDWARD   433.14   IRWD Check   Reconciled   425576   10-Mar-22   NELISON CONSTRUCTION INC   1,413.63   IRWD Check   Reconciled   425577   10-Mar-22   NELISON CONSTRUCTION INC   1,413.63   IRWD Check   Reconciled   425577   10-Mar-22   OFFICIAL INC   9,186.00   IRWD Check   Reconciled   425578   10-Mar-22   OFFICIAL INC   0,186.00   IRWD Check   Reconciled   425579   10-Mar-22   OFFICIAL INC   0,186.00   IRWD Check   Reconciled   425579   10-Mar-22   OFFICIAL INC   0,086.00   IRWD Check   Reconciled   425581   10-Mar-22   OC. SUPERIOR CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425581   10-Mar-22   OC. SUPERIOR CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425582   10-Mar-22   OC. SUPERIOR CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425583   10-Mar-22   OC. SUPERIOR CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425584   10-Mar-22   OC. SUPERIOR CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425584   10-Mar-22   OC. SUPERIOR CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425585   10-Mar-22   OCASIONE CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425586   10-Mar-22   OCASIONE CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425587   10-Mar-22   OCASIONE CUSTOM FIRE AUTHORITY   1,510.00   IRWD Check   Reconciled   425587   10-Mar-22   OCASIONE CUSTOM FIRE AUTHORITY   1,510.00   IRWD Check   Reconciled   425588   10-Mar-22   OCASIONE CUSTOM FIRE AUTHORITY   1,510.00   IRWD Check   Reconciled   425591   10-Mar-22   PACIFIC HYDROTECH COR	425566	10-Mar-22	MC MASTER CARR SUPPLY CO	763.44	IRWD Check	Reconciled
425569	425567	10-Mar-22	MEGGER	448.93	IRWD Check	Reconciled
425570	425568	10-Mar-22	MEL UNDERWOOD WATER TRUCKS & EQUIPMENT	960.00	IRWD Check	Reconciled
10-Mar-22	425569	10-Mar-22	MERCER (US) INC.	5,418.81	IRWD Check	Reconciled
10-Mar-22   MORNISROE, EDWARD	425570	10-Mar-22	MICHAEL BAKER INTERNATIONAL, INC.	2,640.00	IRWD Check	Reconciled
425574	425571	10-Mar-22	MICROSOFT CORPORATION	20.00	IRWD Check	Reconciled
425575   10-Mar-22   NATIONAL READY MIXED CONCRETE SALES, LLC   1,467.58   IRWD Check   Reconciled   425576   10-Mar-22   NELISON CONSTRUCTION INC   1,413.63   IRWD Check   Reconciled   425578   10-Mar-22   NVIS, INC.   27,640.00   IRWD Check   Reconciled   425578   10-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   818.48   IRWD Check   Reconciled   425579   10-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   818.48   IRWD Check   Reconciled   425580   10-Mar-22   OC. SUPERIOR CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425581   10-Mar-22   OC. SUPERIOR CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425581   10-Mar-22   OC. SUPERIOR CUSTOM CLEANING   3,5289.89   IRWD Check   Reconciled   425583   10-Mar-22   OENDOOR LABS INC   42.88   IRWD Check   Reconciled   425583   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   202.00   IRWD Check   Reconciled   425585   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,116.00   IRWD Check   Reconciled   425586   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,1581.00   IRWD Check   Reconciled   425588   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,581.00   IRWD Check   Reconciled   425588   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,581.00   IRWD Check   Reconciled   425589   10-Mar-22   PACIFIC HYDROTECH CORPORATION   29,333.97   IRWD Check   Reconciled   425590   10-Mar-22   PACIFIC HYDROTECH CORPORATION   872,469.53   IRWD Check   Reconciled   425591   10-Mar-22   PACIFIC HYDROTECH CORPORATION   16,585.48   IRWD Check   Reconciled   425592   10-Mar-22   PACIFIC HYDROTECH CORPORATION   16,585.48   IRWD Check   Reconciled   425593   10-Mar-22   PACIFIC HYDROTECH CORPORATION   16,585.48   IRWD Check   Reconciled   425594   10-Mar-22   PACIFIC HYDROTECH CORPORATION   16,585.48   IRWD Check   Reconciled   425595   10-Mar-22   PACIFIC HYDROTECH CORPORATION   16,585.48   IRWD Check   Reconciled   425596   10-Mar-22   PACIFIC HYDROTECH CORPORATION   16,585.40   IRWD Check   Reconciled   425596   10-Mar-22   PACIFIC HYDROTECH CORPORATION   16,000   IRWD Check   Reconciled   42559		10-Mar-22				Reconciled
425576						
10-Mar-22   NMG GEOTECHNICAL INC   9,186.00   IRWD Check   Reconciled   425578   10-Mar-22   NV5, INC.   27,640.00   IRWD Check   Reconciled   425578   10-Mar-22   O'.C. SUPERIOR CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425580   10-Mar-22   OC. SUPERIOR CUSTOM CLEANING   3,600.00   IRWD Check   Reconciled   425581   10-Mar-22   OCTA   962.00   IRWD Check   Reconciled   425581   10-Mar-22   OUIN CORPORATION   35,289.99   IRWD Check   Reconciled   425583   10-Mar-22   OPENDOOR LABS INC   42.88   IRWD Check   Reconciled   425584   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   202.00   IRWD Check   Reconciled   425585   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,116.00   IRWD Check   Reconciled   425586   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,581.00   IRWD Check   Reconciled   425586   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,581.00   IRWD Check   Reconciled   425587   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,581.00   IRWD Check   Reconciled   425588   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,581.00   IRWD Check   Reconciled   425588   10-Mar-22   ORANGE COUNTY FIRE AUTHORITY   1,581.00   IRWD Check   Reconciled   425589   10-Mar-22   PACIFIC HYDROTECH CORPORATION   29,333.97   IRWD Check   Reconciled   425590   10-Mar-22   PACIFIC HYDROTECH CORPORATION   872,469.53   IRWD Check   Reconciled   425591   10-Mar-22   PACIFIC PATROLES INC   2,775.52   IRWD Check   Reconciled   425592   10-Mar-22   PARKHOUSE TIRE INC   4,032.81   IRWD Check   Reconciled   425593   10-Mar-22   PAULUS ENGINEERING, INC.   390.00   IRWD Check   Reconciled   425594   10-Mar-22   PAULUS ENGINEERING, INC.   390.00   IRWD Check   Reconciled   425596   10-Mar-22   PENN ARCHIVE SERVICES   1,279.04   IRWD Check   Reconciled   425596   10-Mar-22   PENN ARCHIVE SERVICES   1,279.04   IRWD Check   Reconciled   425596   10-Mar-22   POLYDYNE INC   63,734.13   IRWD Check   Reconciled   425596   10-Mar-22   POLYDYNE INC   63,734.13   IRWD Check   Reconciled   425596   10-Mar-22   POLYDYNE INC   64,000.00   IRWD Check   Re						
425578         10-Mar-22         NV5, INC.         27,640.00         IRWD Check         Reconciled           425579         10-Mar-22         O'REILLY AUTO ENTERPRISES, LLC         818.48         IRWD Check         Reconciled           425580         10-Mar-22         OC. SUPERIOR CUSTOM CLEANING         36,00.00         IRWD Check         Reconciled           425581         10-Mar-22         OCTA         962.00         IRWD Check         Reconciled           425582         10-Mar-22         OLIN CORPORATION         35,289.89         IRWD Check         Reconciled           425583         10-Mar-22         ORANGE COUNTY FIRE AUTHORITY         202.00         IRWD Check         Reconciled           425584         10-Mar-22         ORANGE COUNTY FIRE AUTHORITY         1,116.00         IRWD Check         Reconciled           425585         10-Mar-22         ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT         1,99.2         IRWD Check         Reconciled           425587         10-Mar-22         PACIFIC HYDROTECH CORPORATION         29,333.97         IRWD Check         Reconciled           425588         10-Mar-22         PACIFIC HYDROTECH CORPORATION         377.55.2         IRWD Check         Reconciled           425589         10-Mar-22         PACIFIC HYDROTECH CORPORAT						
425579						
425580						
425581						
425582				,		
425583						
425584         10-Mar-22         ORANGE COUNTY FIRE AUTHORITY         202.00         IRWD Check         Reconciled           425585         10-Mar-22         ORANGE COUNTY FIRE AUTHORITY         1,116.00         IRWD Check         Negotiable           425586         10-Mar-22         ORANGE COUNTY FIRE AUTHORITY         1,581.00         IRWD Check         Reconciled           425587         10-Mar-22         ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT         249.92         IRWD Check         Reconciled           425588         10-Mar-22         PACIFIC HYDROTECH CORPORATION         29,333.97         IRWD Check         Reconciled           425589         10-Mar-22         PACIFIC HYDROTECH CORPORATION         872,469.53         IRWD Check         Reconciled           425590         10-Mar-22         PACIFIC CHYDROTECH CORPORATION         16,585.48         IRWD Check         Reconciled           425591         10-Mar-22         PACIFIC PARTS & CONTROLS INC         2,775.52         IRWD Check         Reconciled           425592         10-Mar-22         PARKHOUSE TIRE INC         4,032.81         IRWD Check         Reconciled           425593         10-Mar-22         PAULUS ENGINEERING, INC.         390.00         IRWD Check         Reconciled           425594         10-Mar-22				,		
425585         10-Mar-22         ORANGE COUNTY FIRE AUTHORITY         1,116.00         IRWD Check         Negotiable           425586         10-Mar-22         ORANGE COUNTY FIRE AUTHORITY         1,581.00         IRWD Check         Reconciled           425587         10-Mar-22         ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT         249.92         IRWD Check         Reconciled           425588         10-Mar-22         PACIFIC HYDROTECH CORPORATION         872,469.53         IRWD Check         Reconciled           425589         10-Mar-22         PACIFIC HYDROTECH CORPORATION         872,469.53         IRWD Check         Reconciled           425591         10-Mar-22         PACIFIC PARTS & CONTROLS INC         2,775.52         IRWD Check         Reconciled           425592         10-Mar-22         PACIFIC PARTS & CONTROLS INC         2,775.52         IRWD Check         Reconciled           425593         10-Mar-22         PARKHOUSE TIRE INC         4,032.81         IRWD Check         Reconciled           425594         10-Mar-22         PELLETIER & ASSOCIATES, INC.         390.00         IRWD Check         Reconciled           425595         10-Mar-22         PENN ARCHIVE SERVICES         1,279.04         IRWD Check         Reconciled           425596         10-Mar-22 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
425586         10-Mar-22         ORANGE COUNTY FIRE AUTHORITY         1,581.00         IRWD Check         Reconciled           425587         10-Mar-22         ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT         249.92         IRWD Check         Reconciled           425588         10-Mar-22         PACIFIC HYDROTECH CORPORATION         872,469.53         IRWD Check         Reconciled           425589         10-Mar-22         PACIFIC HYDROTECH CORPORATION         16,585.48         IRWD Check         Reconciled           425590         10-Mar-22         PACIFIC HYDROTECH CORPORATION         16,585.48         IRWD Check         Reconciled           425591         10-Mar-22         PACIFIC PARTS & CONTROLS INC         2,775.52         IRWD Check         Reconciled           425592         10-Mar-22         PARKHOUSE TIRE INC         4,032.81         IRWD Check         Reconciled           425593         10-Mar-22         PAULUS ENGINEERING, INC.         70,633.97         IRWD Check         Reconciled           425594         10-Mar-22         PELLETIER & ASSOCIATES, INC.         390.00         IRWD Check         Reconciled           425595         10-Mar-22         PENN ARCHIVE SERVICES         1,279.04         IRWD Check         Reconciled           425596         10-Mar-22						
425587         10-Mar-22         ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT         249.92         IRWD Check         Reconciled           425588         10-Mar-22         PACIFIC HYDROTECH CORPORATION         29,333.97         IRWD Check         Reconciled           425589         10-Mar-22         PACIFIC HYDROTECH CORPORATION         872,469.53         IRWD Check         Reconciled           425590         10-Mar-22         PACIFIC PARTS & CONTROLS INC         2,775.52         IRWD Check         Reconciled           425591         10-Mar-22         PARKHOUSE TIRE INC         4,032.81         IRWD Check         Reconciled           425592         10-Mar-22         PARKHOUSE TIRE INC         4,032.81         IRWD Check         Reconciled           425593         10-Mar-22         PELLETIER & ASSOCIATES, INC.         390.00         IRWD Check         Reconciled           425594         10-Mar-22         PENN ARCHIVE SERVICES         1,279.04         IRWD Check         Reconciled           425595         10-Mar-22         PFM ASSET MANAGEMENT LLC         4,000.00         IRWD Check         Reconciled           425597         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425599         10-Mar-22         POLYDYNE GROUP<						-
425588         10-Mar-22         PACIFIC HYDROTECH CORPORATION         29,333.97         IRWD Check         Reconciled           425589         10-Mar-22         PACIFIC HYDROTECH CORPORATION         872,469.53         IRWD Check         Reconciled           425590         10-Mar-22         PACIFIC HYDROTECH CORPORATION         16,585.48         IRWD Check         Reconciled           425591         10-Mar-22         PACIFIC PARTS & CONTROLS INC         2,775.52         IRWD Check         Reconciled           425592         10-Mar-22         PARKHOUSE TIRE INC         4,032.81         IRWD Check         Reconciled           425593         10-Mar-22         PAULUS ENGINEERING, INC.         70,633.97         IRWD Check         Reconciled           425594         10-Mar-22         PELLETIER & ASSOCIATES, INC.         390.00         IRWD Check         Reconciled           425595         10-Mar-22         PENN ARCHIVE SERVICES         1,279.04         IRWD Check         Reconciled           425596         10-Mar-22         PFM ASSET MANAGEMENT LLC         4,000.00         IRWD Check         Reconciled           425597         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425599         10-Mar-22         POLYDYNE INC						
425589         10-Mar-22         PACIFIC HYDROTECH CORPORATION         872,469.53         IRWD Check         Reconciled           425590         10-Mar-22         PACIFIC HYDROTECH CORPORATION         16,585.48         IRWD Check         Reconciled           425591         10-Mar-22         PACIFIC PARTS & CONTROLS INC         2,775.52         IRWD Check         Reconciled           425592         10-Mar-22         PARKHOUSE TIRE INC         4,032.81         IRWD Check         Reconciled           425593         10-Mar-22         PAULUS ENGINEERING, INC.         70,633.97         IRWD Check         Reconciled           425594         10-Mar-22         PELLETIER & ASSOCIATES, INC.         390.00         IRWD Check         Reconciled           425595         10-Mar-22         PENN ARCHIVE SERVICES         1,279.04         IRWD Check         Reconciled           425596         10-Mar-22         PFM ASSET MANAGEMENT LLC         4,000.00         IRWD Check         Reconciled           425597         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425598         10-Mar-22         POLYDYNE INC         957.22         IRWD Check         Reconciled           425600         10-Mar-22         PYRO-COMM SYSTEMS INC         985.00<						
425590         10-Mar-22         PACIFIC HYDROTECH CORPORATION         16,585.48         IRWD Check         Reconciled           425591         10-Mar-22         PACIFIC PARTS & CONTROLS INC         2,775.52         IRWD Check         Reconciled           425592         10-Mar-22         PARKHOUSE TIRE INC         4,032.81         IRWD Check         Reconciled           425593         10-Mar-22         PAULUS ENGINEERING, INC.         70,633.97         IRWD Check         Reconciled           425594         10-Mar-22         PELLETIER & ASSOCIATES, INC.         390.00         IRWD Check         Reconciled           425595         10-Mar-22         PENN ARCHIVE SERVICES         1,279.04         IRWD Check         Reconciled           425596         10-Mar-22         PFM ASSET MANAGEMENT LLC         4,000.00         IRWD Check         Reconciled           425597         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425598         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425599         10-Mar-22         PULTE GROUP         957.22         IRWD Check         Reconciled           425600         10-Mar-22         PYRO-COMM SYSTEMS INC         3,265.46						
425591         10-Mar-22         PACIFIC PARTS & CONTROLS INC         2,775.52         IRWD Check         Reconciled           425592         10-Mar-22         PARKHOUSE TIRE INC         4,032.81         IRWD Check         Reconciled           425593         10-Mar-22         PAULUS ENGINEERING, INC.         70,633.97         IRWD Check         Reconciled           425594         10-Mar-22         PELLETIER & ASSOCIATES, INC.         390.00         IRWD Check         Reconciled           425595         10-Mar-22         PENN ARCHIVE SERVICES         1,279.04         IRWD Check         Reconciled           425596         10-Mar-22         PFM ASSET MANAGEMENT LLC         4,000.00         IRWD Check         Reconciled           425597         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425598         10-Mar-22         PSOMAS         1,100.00         IRWD Check         Reconciled           425599         10-Mar-22         PULTE GROUP         957.22         IRWD Check         Reconciled           425600         10-Mar-22         PYRO-COMM SYSTEMS INC         985.00         IRWD Check         Reconciled           425601         10-Mar-22         QUADIENT LEASING USA, INC.         3,265.46         IRWD Check <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
425592         10-Mar-22         PARKHOUSE TIRE INC         4,032.81         IRWD Check         Reconciled           425593         10-Mar-22         PAULUS ENGINEERING, INC.         70,633.97         IRWD Check         Reconciled           425594         10-Mar-22         PELLETIER & ASSOCIATES, INC.         390.00         IRWD Check         Reconciled           425595         10-Mar-22         PENN ARCHIVE SERVICES         1,279.04         IRWD Check         Reconciled           425596         10-Mar-22         PFM ASSET MANAGEMENT LLC         4,000.00         IRWD Check         Reconciled           425597         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425598         10-Mar-22         PSOMAS         1,100.00         IRWD Check         Reconciled           425599         10-Mar-22         PULTE GROUP         957.22         IRWD Check         Reconciled           425600         10-Mar-22         PYRO-COMM SYSTEMS INC         985.00         IRWD Check         Reconciled           425601         10-Mar-22         QUADIENT LEASING USA, INC.         3,265.46         IRWD Check         Reconciled           425602         10-Mar-22         QUALITY ENVIRONMENTAL CONTAINERS         12,124.38         IRWD Che						
425593         10-Mar-22         PAULUS ENGINEERING, INC.         70,633.97         IRWD Check         Reconciled           425594         10-Mar-22         PELLETIER & ASSOCIATES, INC.         390.00         IRWD Check         Reconciled           425595         10-Mar-22         PENN ARCHIVE SERVICES         1,279.04         IRWD Check         Reconciled           425596         10-Mar-22         PFM ASSET MANAGEMENT LLC         4,000.00         IRWD Check         Reconciled           425597         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425598         10-Mar-22         PSOMAS         1,100.00         IRWD Check         Reconciled           425599         10-Mar-22         PULTE GROUP         957.22         IRWD Check         Reconciled           425600         10-Mar-22         PYRO-COMM SYSTEMS INC         985.00         IRWD Check         Reconciled           425601         10-Mar-22         QUADIENT LEASING USA, INC.         3,265.46         IRWD Check         Reconciled           425602         10-Mar-22         QUALITY ENVIRONMENTAL CONTAINERS         12,124.38         IRWD Check         Reconciled           425603         10-Mar-22         REACH EMPLOYEE ASSISTANCE INC         1,066.80         <						
425594         10-Mar-22         PELLETIER & ASSOCIATES, INC.         390.00         IRWD Check         Reconciled           425595         10-Mar-22         PENN ARCHIVE SERVICES         1,279.04         IRWD Check         Reconciled           425596         10-Mar-22         PFM ASSET MANAGEMENT LLC         4,000.00         IRWD Check         Reconciled           425597         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425598         10-Mar-22         PSOMAS         1,100.00         IRWD Check         Reconciled           425599         10-Mar-22         PULTE GROUP         957.22         IRWD Check         Reconciled           425600         10-Mar-22         PYRO-COMM SYSTEMS INC         985.00         IRWD Check         Reconciled           425601         10-Mar-22         QUADIENT LEASING USA, INC.         3,265.46         IRWD Check         Reconciled           425602         10-Mar-22         QUALITY ENVIRONMENTAL CONTAINERS         12,124.38         IRWD Check         Reconciled           425603         10-Mar-22         REACH EMPLOYEE ASSISTANCE INC         1,066.80         IRWD Check         Reconciled           425604         10-Mar-22         RED WING SHOE STORE         2,713.32         IRW						
425596         10-Mar-22         PFM ASSET MANAGEMENT LLC         4,000.00         IRWD Check         Reconciled           425597         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425598         10-Mar-22         PSOMAS         1,100.00         IRWD Check         Reconciled           425599         10-Mar-22         PULTE GROUP         957.22         IRWD Check         Reconciled           425600         10-Mar-22         PYRO-COMM SYSTEMS INC         985.00         IRWD Check         Reconciled           425601         10-Mar-22         QUADIENT LEASING USA, INC.         3,265.46         IRWD Check         Reconciled           425602         10-Mar-22         QUALITY ENVIRONMENTAL CONTAINERS         12,124.38         IRWD Check         Reconciled           425603         10-Mar-22         REACH EMPLOYEE ASSISTANCE INC         1,066.80         IRWD Check         Reconciled           425604         10-Mar-22         RED WING SHOE STORE         2,713.32         IRWD Check         Reconciled				390.00	IRWD Check	
425597         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425598         10-Mar-22         PSOMAS         1,100.00         IRWD Check         Reconciled           425599         10-Mar-22         PULTE GROUP         957.22         IRWD Check         Reconciled           425600         10-Mar-22         PYRO-COMM SYSTEMS INC         985.00         IRWD Check         Reconciled           425601         10-Mar-22         QUADIENT LEASING USA, INC.         3,265.46         IRWD Check         Reconciled           425602         10-Mar-22         QUALITY ENVIRONMENTAL CONTAINERS         12,124.38         IRWD Check         Reconciled           425603         10-Mar-22         REACH EMPLOYEE ASSISTANCE INC         1,066.80         IRWD Check         Reconciled           425604         10-Mar-22         RED WING SHOE STORE         2,713.32         IRWD Check         Reconciled	425595	10-Mar-22	PENN ARCHIVE SERVICES	1,279.04	IRWD Check	Reconciled
425597         10-Mar-22         POLYDYNE INC         63,734.13         IRWD Check         Reconciled           425598         10-Mar-22         PSOMAS         1,100.00         IRWD Check         Reconciled           425599         10-Mar-22         PULTE GROUP         957.22         IRWD Check         Reconciled           425600         10-Mar-22         PYRO-COMM SYSTEMS INC         985.00         IRWD Check         Reconciled           425601         10-Mar-22         QUADIENT LEASING USA, INC.         3,265.46         IRWD Check         Reconciled           425602         10-Mar-22         QUALITY ENVIRONMENTAL CONTAINERS         12,124.38         IRWD Check         Reconciled           425603         10-Mar-22         REACH EMPLOYEE ASSISTANCE INC         1,066.80         IRWD Check         Reconciled           425604         10-Mar-22         RED WING SHOE STORE         2,713.32         IRWD Check         Reconciled						
425598         10-Mar-22         PSOMAS         1,100.00         IRWD Check         Reconciled           425599         10-Mar-22         PULTE GROUP         957.22         IRWD Check         Reconciled           425600         10-Mar-22         PYRO-COMM SYSTEMS INC         985.00         IRWD Check         Reconciled           425601         10-Mar-22         QUADIENT LEASING USA, INC.         3,265.46         IRWD Check         Reconciled           425602         10-Mar-22         QUALITY ENVIRONMENTAL CONTAINERS         12,124.38         IRWD Check         Reconciled           425603         10-Mar-22         REACH EMPLOYEE ASSISTANCE INC         1,066.80         IRWD Check         Reconciled           425604         10-Mar-22         RED WING SHOE STORE         2,713.32         IRWD Check         Reconciled						
425599         10-Mar-22         PULTE GROUP         957.22         IRWD Check         Reconciled           425600         10-Mar-22         PYRO-COMM SYSTEMS INC         985.00         IRWD Check         Reconciled           425601         10-Mar-22         QUADIENT LEASING USA, INC.         3,265.46         IRWD Check         Reconciled           425602         10-Mar-22         QUALITY ENVIRONMENTAL CONTAINERS         12,124.38         IRWD Check         Reconciled           425603         10-Mar-22         REACH EMPLOYEE ASSISTANCE INC         1,066.80         IRWD Check         Reconciled           425604         10-Mar-22         RED WING SHOE STORE         2,713.32         IRWD Check         Reconciled		10-Mar-22	PSOMAS	1,100.00		Reconciled
42560110-Mar-22QUADIENT LEASING USA, INC.3,265.46IRWD CheckReconciled42560210-Mar-22QUALITY ENVIRONMENTAL CONTAINERS12,124.38IRWD CheckReconciled42560310-Mar-22REACH EMPLOYEE ASSISTANCE INC1,066.80IRWD CheckReconciled42560410-Mar-22RED WING SHOE STORE2,713.32IRWD CheckReconciled			PULTE GROUP		IRWD Check	Reconciled
42560210-Mar-22QUALITY ENVIRONMENTAL CONTAINERS12,124.38IRWD CheckReconciled42560310-Mar-22REACH EMPLOYEE ASSISTANCE INC1,066.80IRWD CheckReconciled42560410-Mar-22RED WING SHOE STORE2,713.32IRWD CheckReconciled	425600	10-Mar-22	PYRO-COMM SYSTEMS INC	985.00	IRWD Check	Reconciled
425603 10-Mar-22 REACH EMPLOYEE ASSISTANCE INC 1,066.80 IRWD Check Reconciled 425604 10-Mar-22 RED WING SHOE STORE 2,713.32 IRWD Check Reconciled	425601	10-Mar-22	QUADIENT LEASING USA, INC.	3,265.46	IRWD Check	Reconciled
425604 10-Mar-22 RED WING SHOE STORE 2,713.32 IRWD Check Reconciled	425602	10-Mar-22	QUALITY ENVIRONMENTAL CONTAINERS	12,124.38	IRWD Check	Reconciled
	425603	10-Mar-22	REACH EMPLOYEE ASSISTANCE INC	1,066.80	IRWD Check	Reconciled
425605 10-Mar-22 RENTOKIL NORTH AMERICA, INC 12,090.00 IRWD Check Reconciled	425604	10-Mar-22	RED WING SHOE STORE	2,713.32	IRWD Check	Reconciled
	425605	10-Mar-22	RENTOKIL NORTH AMERICA, INC	12,090.00	IRWD Check	Reconciled

CHECK OR				PAYMENT	
ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
425606	10-Mar-22	RODNEY HARMSWORTH ASSOCIATES, INC.	2,500.00	IRWD Check	Reconciled
425607	10-Mar-22	ROSEDALE - RIO BRAVO WATER STORAGE DISTRICT	74,274.41	IRWD Check	Reconciled
425608	10-Mar-22	SADDLEBACK SURVEYS, INC.	4,344.00	IRWD Check	Reconciled
425609	10-Mar-22	SANTIAGO AQUEDUCT COMMISSION	254,426.00	IRWD Check	Reconciled
425610	10-Mar-22	SECURITAS SECURITY SERVICES USA, INC.	59,090.86	IRWD Check	Reconciled
425611	10-Mar-22	SERRANO WATER DISTRICT	7,357.16	IRWD Check	Reconciled
425612	10-Mar-22	SHEA HOMES LIMITED PARTNERSHIP	297.13	IRWD Check	Reconciled
425613	10-Mar-22	SHOETERIA	198.78	IRWD Check	Reconciled
425614	10-Mar-22	SJD&B, INC.	2,342.05	IRWD Check	Reconciled Reconciled
425615	10-Mar-22	SMRECEK, PETER	40.85	IRWD Check	
425616 425617	10-Mar-22	SMT AUTOMOTIVE LLC	131.56 937.17	IRWD Check IRWD Check	Reconciled
425618	10-Mar-22 10-Mar-22	SOUTH COAST WATER DISTRICT SOUTHERN CALIFORNIA EDISON COMPANY	153,821.29	IRWD Check	Reconciled Reconciled
425619	10-Mar-22	SOUTHERN CALIFORNIA EDISON COMPANY SOUTHERN COUNTIES LUBRICANTS LLC	4,308.34	IRWD Check	Reconciled
425620	10-Mar-22	SOUTHWEST VALVE & EQUIPMENT INC	45,437.25	IRWD Check	Reconciled
425621	10-Mar-22	SPARKLETTS	134.83	IRWD Check	Reconciled
425622	10-Mar-22	SUN TSENG, LI JU	335.86	IRWD Check	Negotiable
425623	10-Mar-22	SUNSHINE SUPPLY COMPANY, INC.	2,797.19	IRWD Check	Reconciled
425624	10-Mar-22	SUSAN A. SIROTA	4,755.00	IRWD Check	Reconciled
425625	10-Mar-22	TAIT ENVIRONMENTAL SERVICES, INC.	1,202.50	IRWD Check	Reconciled
425626	10-Mar-22	TEKDRAULICS	22,758.43	IRWD Check	Reconciled
425627	10-Mar-22	TETRA TECH, INC	22,250.00	IRWD Check	Reconciled
425628	10-Mar-22	THOMPSON & PHIPPS INC	16,413.27	IRWD Check	Reconciled
425629	10-Mar-22	TIC-OFFICE PROPERTIES	102.03	IRWD Check	Reconciled
425630	10-Mar-22	TIC-SPECTRUM OFFICE	617.78	IRWD Check	Reconciled
425631	10-Mar-22	TRAFFIC MANAGEMENT, INC	850.00	IRWD Check	Reconciled
425632	10-Mar-22	TRI POINTE HOMES, INC.	1,782.72	IRWD Check	Negotiable
425633	10-Mar-22	TRIPAC MARKETING INC	246.01	IRWD Check	Reconciled
425634	10-Mar-22	TSAO, MICHAEL	18.40	IRWD Check	Negotiable
425635	10-Mar-22	U.S. GAIN - A DIVISION OF U.S. VENTURE, INC.	282.45	IRWD Check	Reconciled
425636	10-Mar-22	UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA	5,066.41	IRWD Check	Reconciled
425637	10-Mar-22	UNISON SOLUTIONS, INC	3,014.89	IRWD Check	Reconciled
425638	10-Mar-22	UNITED PARCEL SERVICE INC	170.92	IRWD Check	Reconciled
425639	10-Mar-22	USA WASTE OF CALIFORNIA, INC.	525.00	IRWD Check	Reconciled
425640	10-Mar-22	VAUGHAN'S INDUSTRIAL REPAIR CO INC	11,488.96	IRWD Check	Reconciled
425641	10-Mar-22	VERIZON WIRELESS SERVICES LLC	7,884.28	IRWD Check	Reconciled
425642	10-Mar-22	VO, LUC	136.68	IRWD Check	Reconciled
425643	10-Mar-22	VWR INTERNATIONAL, LLC	483.55	IRWD Check	Reconciled
425644	10-Mar-22	WASTE MANAGEMENT COLLECTIONS AND RECYCLING, INC.	5,560.45	IRWD Check	Reconciled
425645	10-Mar-22	WATERSMART SOFTWARE INC	15,174.99	IRWD Check	Reconciled
425646	10-Mar-22	WECK LABORATORIES INC	6,806.50	IRWD Check	Reconciled
425647	10-Mar-22	WEST COAST SAFETY SUPPLY INC	32,530.02	IRWD Check	Reconciled
425648	10-Mar-22	WEST YOST & ASSOCIATES, INC.	1,088.50	IRWD Check	Reconciled
425649	10-Mar-22	WESTAMERICA COMMUNICATIONS, INC.	637.50	IRWD Check	Reconciled
425650	10-Mar-22	WESTERN AV	9,842.96	IRWD Check	Reconciled
425651	10-Mar-22	WILLARD, DEBORAH	763.68	IRWD Check	Reconciled
425652	10-Mar-22	WISCONSIN STATE LABORATORY OF HYGIENE	355.00	IRWD Check	Reconciled
425653	10-Mar-22	WORKFORCE SAFETY LLC	6,000.00	IRWD Check	Reconciled
425654	10-Mar-22	YU, YIMING	180.08	IRWD Check	Reconciled
425655	10-Mar-22 10-Mar-22	PERS LONG TERM CARE	612.63	IRWD Check	Reconciled
425656	10-Mar-22	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47 FRANCHISE TAX BOARD	3,337.58	IRWD Check	Reconciled Reconciled
425657 425658	10-Mar-22	LAW OFFICE OF ATOOSA VAKILI	1,170.64 700.00	IRWD Check IRWD Check	Reconciled
		Colston, James	88.25	IRWD Check	Reconciled
425659 425660	17-Mar-22 17-Mar-22	Moeder, Jacob J (Jacob)	135.00	IRWD Check	Reconciled
425661	17-Mar-22	A&Y ASPHALT CONTRACTORS, INC.	5,642.00	IRWD Check	Reconciled
425662	17-Mar-22	ABSOLUTE STANDARDS, INC.	1,438.75	IRWD Check	Reconciled
425663	17-Mar-22	ACCUSTANDARD INC	426.01	IRWD Check	Reconciled
425664	17-Mar-22	ACE INDUSTRIES, INC.	4,016.47	IRWD Check	Reconciled
425665	17-Mar-22	AIRGAS, INC.	138.66	IRWD Check	Reconciled
425666	17-Mar-22	ALSTON & BIRD LLP	31,464.57	IRWD Check	Reconciled
425667	17-Mar-22	AMAZON CAPITAL SERVICES, INC.	1,897.60	IRWD Check	Reconciled
425668	17-Mar-22	ARCADIS U.S., INC.	948.72	IRWD Check	Reconciled
425669	17 Mar 22	AT&T	1,869.36	IRWD Check	Reconciled
425670	17-Mar-22	AT&T	5,005.20	IRWD Check	Reconciled
425671	17 Mar 22	AUTOZONE PARTS, INC.	352.23	IRWD Check	Reconciled
425672	17 Mar 22	B & K ELECTRIC WHOLESALE	1,177.99	IRWD Check	Reconciled
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CHECK OR				PAYMENT	
ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
425673	17-Mar-22	BARROT, YVONNE	33.85	IRWD Check	Reconciled
425674	17-Mar-22	BEE EMERGENCY RESPONSE TEAM	175.00	IRWD Check	Reconciled
425675	17-Mar-22	BENJAMIN PETER DEMAYO	1,225.00	IRWD Check	Reconciled
425676	17-Mar-22	BLUEBEAM, INC	4,768.00	IRWD Check	Reconciled
425677	17-Mar-22	BOOT WORLD, INC.	214.08	IRWD Check	Reconciled
425678	17-Mar-22	BROWN AND CALDWELL	18,594.57	IRWD Check	Reconciled
425679	17-Mar-22	BURLINGTON SAFETY LABORATORY OF CALIFORNIA INC	718.55	IRWD Check	Reconciled
425680	17-Mar-22	C WELLS PIPELINE MATERIALS INC	3,814.35	IRWD Check	Reconciled
425681	17-Mar-22	CALIFORNIA BARRICADE RENTAL, INC.	10,940.00	IRWD Check	Reconciled
425682	17-Mar-22	CANNON CORPORATION	7,752.50	IRWD Check	Reconciled
425683 425684	17-Mar-22 17-Mar-22	CANON FINANCIAL SERVICES, INC	8,343.52 845.62	IRWD Check IRWD Check	Reconciled Reconciled
425685	17-Mar-22	CANON SOLUTIONS AMERICA, INC. CDW GOVERNMENT LLC	508.42	IRWD Check	Reconciled
425686	17-Mar-22	CHARLES P CROWLEY COMPANY INC	1,221.04	IRWD Check	Reconciled
425687	17-Mar-22	CIMARRON ENERGY, INC	1,508.50	IRWD Check	Reconciled
425688	17-Mar-22	CLIFFORD MORIYAMA	4,000.00	IRWD Check	Reconciled
425689	17-Mar-22	COASTAL OCCUPATIONAL MEDICAL GROUP, INC.	60.00	IRWD Check	Reconciled
425690	17-Mar-22	COMMERCIAL DOOR OF ORANGE COUNTY, INC.	21,401.00	IRWD Check	Reconciled
425691	17-Mar-22	CONSOLIDATED ELECTRICAL DISTRIBUTORS, INC	560.30	IRWD Check	Reconciled
425692	17-Mar-22	CONSTELLATION NEWENERGY, INC.	30,191.13	IRWD Check	Reconciled
425693	17-Mar-22	CORELOGIC INC	26.16	IRWD Check	Reconciled
425694	17-Mar-22	CR & R INCORPORATED	427.30	IRWD Check	Reconciled
425695	17-Mar-22	DEMARIA ELECTRIC MOTOR SERVICES, INC.	19,756.36	IRWD Check	Reconciled
425696	17-Mar-22	DRAKE TRAFFIC CONTROL SERVICES INC	3,490.00	IRWD Check	Reconciled
425697	17-Mar-22	DUDEK	1,480.00	IRWD Check	Reconciled
425698	17-Mar-22	ENDRESS AND HAUSER INC	13,667.66	IRWD Check	Reconciled
425699	17-Mar-22	ENTERPRISE HOLDINGS, INC.	6,975.00	IRWD Check	Reconciled
425700	17-Mar-22	EVERETT DOREY LLP	3,382.00	IRWD Check	Reconciled
425701	17-Mar-22	FERGUSON ENTERPRISES, LLC	3,559.19	IRWD Check	Reconciled
425702	17-Mar-22	FIONA HUTTON & ASSOCIATES, INC.	6,411.25	IRWD Check	Reconciled
425703	17-Mar-22	FIRST CHOICE SERVICES	1,505.88	IRWD Check	Reconciled
425704	17-Mar-22	FISHER SCIENTIFIC COMPANY LLC	2,461.02	IRWD Check	Reconciled
425705	17-Mar-22	FLUID SOUND, INC.	2,568.79	IRWD Check	Reconciled
425706	17-Mar-22	FOUGHT, CYNTHIA J.	2,733.34	IRWD Check	Reconciled
425707	17-Mar-22	FRONTIER CALIFORNIA INC.	58.59	IRWD Check	Reconciled
425708	17-Mar-22	GEI CONSULTANTS INC	5,607.10	IRWD Check	Reconciled
425709	17-Mar-22	GEIGER BROS	383.27	IRWD Check	Reconciled
425710	17-Mar-22	GI ENDURANT LLC	8,077.21	IRWD Check	Reconciled
425711	17-Mar-22	GM SAGER CONSTRUCTION CO,INC.	43,400.00	IRWD Check	Reconciled
425712	17-Mar-22	GRAINGER	4,658.27	IRWD Check	Reconciled
425713	17-Mar-22	GRAYBAR ELECTRIC COMPANY	15,109.05	IRWD Check	Reconciled
425714	17-Mar-22	HAAKER EQUIPMENT COMPANY	354.47	IRWD Check	Reconciled
425715 425716	17-Mar-22	HACH COMPANY	5,390.51	IRWD Check	Reconciled
	17-Mar-22	HANNA INSTRUMENTS UNITED STATES, INC	513.97	IRWD Check	Reconciled
425717 425718	17-Mar-22	HARRINGTON INDUSTRIAL PLASTICS LLC HELPMATES STAFFING SERVICES LLC	157.95 3 975 60	IRWD Check IRWD Check	Reconciled Reconciled
425718	17-Mar-22 17-Mar-22	HI-LINE INC	3,975.60 278.69	IRWD Check	Reconciled
425720	17-Mar-22	HILL BROTHERS CHEMICAL COMPANY	7,545.18	IRWD Check	Negotiable
425721	17-Mar-22	HOME DEPOT USA INC	32.26	IRWD Check	Reconciled
425721	17-Mar-22	HUMANA INSURANCE COMPANY	65.30	IRWD Check	Reconciled
425723	17-Mar-22	HWANG, WHEIJEAN	53.98	IRWD Check	Reconciled
425724	17-Mar-22	IMPERIAL SPRINKLER SUPPLY, INC.	122.27	IRWD Check	Reconciled
425725	17-Mar-22	INDUSTRIAL SURPLUS AND SALVAGE	16,135.56	IRWD Check	Reconciled
425726	17-Mar-22	INNOVATIVE MACHINE TOOL REPAIR LLC	2,025.31	IRWD Check	Reconciled
425727	17-Mar-22	INTEGRITY MUNICIPAL SERVICES LLC	1,978.30	IRWD Check	Reconciled
425728	17-Mar-22	INTERNATIONAL PUBLIC MANAGEMENT ASSOCIATION-HR	1,005.00	IRWD Check	Reconciled
425729	17-Mar-22	IRVINE PIPE & SUPPLY INC	5,901.21	IRWD Check	Reconciled
425730	17-Mar-22	JONSET LLC	836.00	IRWD Check	Reconciled
425731	17-Mar-22	KAN VENTURES, INC	6,500.00	IRWD Check	Reconciled
425732	17-Mar-22	KIMBALL MIDWEST	199.35	IRWD Check	Reconciled
425733	17-Mar-22	KRONICK MOSKOVITZ TIEDEMANN & GIRARD	50,081.67	IRWD Check	Reconciled
425734	17-Mar-22	LA HABRA FENCE COMPANY INC	23,996.00	IRWD Check	Reconciled
425735	17-Mar-22	LABWORKS, LLC	21,000.00	IRWD Check	Reconciled
425736	17-Mar-22	LANDCARE HOLDINGS, INC.	3,839.75	IRWD Check	Reconciled
425737	17-Mar-22	LEE & RO, INC.	25,605.86	IRWD Check	Reconciled
425738	17-Mar-22	LINDE GAS & EQUIPMENT INC.	1,598.83	IRWD Check	Reconciled
425739	17-Mar-22	LUBRICATION ENGINEERS, INC.	2,428.22	IRWD Check	Reconciled

CHECK OR				PAYMENT	
ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
425740	17-Mar-22	MAP COMMUNICATIONS, INC.	603.54	IRWD Check	Reconciled
425741	17-Mar-22	MARK KADESH	10,200.00	IRWD Check	Reconciled
425742	17-Mar-22	MBC AQUATIC SCIENCES, INC.	1,400.00	IRWD Check	Reconciled
425743	17-Mar-22	MC FADDEN-DALE INDUSTRIAL	291.36	IRWD Check	Reconciled
425744	17-Mar-22	MC MASTER CARR SUPPLY CO	183.64	IRWD Check	Reconciled
425745	17-Mar-22	MEGGER	448.93	IRWD Check	Reconciled
425746	17-Mar-22	METTLER-TOLEDO RAININ, LLC	3,595.83	IRWD Check	Reconciled
425747 425748	17-Mar-22 17-Mar-22	MILES CHEMICAL COMPANY, INC. MUTUAL PROPANE	5,836.36 89.06	IRWD Check IRWD Check	Reconciled Reconciled
425748	17-Mar-22	NEW DIMENSION GENERAL CONSTRUCTION	85,846.40	IRWD Check	Reconciled
425750	17 Mar 22	NEWPORT WINDOW MAINTENANCE INC	2,745.00	IRWD Check	Reconciled
425751	17-Mar-22	OCTA	1,868.00	IRWD Check	Reconciled
425752	17-Mar-22	OLIN CORPORATION	22,284.23	IRWD Check	Reconciled
425753	17-Mar-22	ONESOURCE DISTRIBUTORS LLC	5,012.00	IRWD Check	Reconciled
425754	17-Mar-22	ORANGE COUNTY AUTO PARTS CO	590.09	IRWD Check	Reconciled
425755	17-Mar-22	ORANGE COUNTY FIRE AUTHORITY	68.00	IRWD Check	Reconciled
425756	17-Mar-22	ORANGE COUNTY MOSQUITO AND VECTOR CONTROL DISTRICT	3,342.70	IRWD Check	Reconciled
425757	17-Mar-22	PACIFIC HYDROTECH CORPORATION	17,592.45	IRWD Check	Reconciled
425758	17-Mar-22	PACIFIC HYDROTECH CORPORATION	14,761.51	IRWD Check	Reconciled
425759	17-Mar-22	PACIFIC HYDROTECH CORPORATION	614,725.33	IRWD Check	Reconciled
425760	17-Mar-22	PACIFIC PARTS & CONTROLS INC	6,677.79	IRWD Check	Reconciled
425761	17-Mar-22	PARK, MICHELLE	20.66	IRWD Check	Negotiable
425762	17-Mar-22	PAYNE & FEARS LLP	1,590.00	IRWD Check	Reconciled
425763	17-Mar-22	PERKINELMER HEALTH SCIENCES INC	406.80	IRWD Check	Reconciled
425764	17-Mar-22	PETRUSSE-NORRIS PAINTING, INC.	9,643.20	IRWD Check	Reconciled
425765	17-Mar-22	PINNACLE TOWERS LLC	842.76	IRWD Check	Reconciled
425766 425767	17-Mar-22 17-Mar-22	POLYDYNE INC PRIME CONTROLS COMPANY INC	62,557.50 9,991.68	IRWD Check IRWD Check	Reconciled Reconciled
425768	17-Mar-22	PSOMAS	26,060.00	IRWD Check	Reconciled
425769	17-Mar-22	QUINTANA, WATTS & HARTMANN, LLC	5,150.00	IRWD Check	Reconciled
425770	17 Mar 22	R.F. MACDONALD CO.	5,646.84	IRWD Check	Reconciled
425771	17-Mar-22	RAM AIR ENGINEERING INC	71,580.19	IRWD Check	Reconciled
425772	17-Mar-22	RED WING SHOE STORE	348.02	IRWD Check	Reconciled
425773	17-Mar-22	REFRIGERATION SUPPLIES DISTRIBUTOR	701.46	IRWD Check	Reconciled
425774	17-Mar-22	RELIANCE STANDARD LIFE INSURANCE COMPANY	31,436.75	IRWD Check	Reconciled
425775	17-Mar-22	RELIANCE STANDARD LIFE INSURANCE COMPANY	31,436.75	IRWD Check	Reconciled
425776	17-Mar-22	ROLL RITE	741.04	IRWD Check	Reconciled
425777	17-Mar-22	SHON, MYOUNGJI	31.60	IRWD Check	Reconciled
425778	17-Mar-22	SIMPLE BUT NEEDED, INC.	3,750.00	IRWD Check	Negotiable
425779	17-Mar-22	SITEONE LANDSCAPE SUPPLY, LLC	1,520.40	IRWD Check	Reconciled
425780	17-Mar-22	SOLAG DEVELOPMENT PARTNERS	61.65	IRWD Check	Reconciled
425781	17-Mar-22	SOUTHERN CALIFORNIA EDISON COMPANY	251,389.09	IRWD Check	Reconciled
425782	17-Mar-22	SOUTHERN CALIFORNIA GAS COMPANY	19,649.40	IRWD Check	Negotiable
425783	17-Mar-22	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.	86.27	IRWD Check	Reconciled
425784	17-Mar-22	STRADLING YOCCA CARLSON & RAUTH	280.00 67,001.60	IRWD Check IRWD Check	Reconciled
425785 425786	17-Mar-22 17-Mar-22	SUKLE ADVERTISING INC. TASSIN SCIENTIFIC SERVICES, LLC.	1,259.25	IRWD Check	Reconciled Reconciled
425787	17-Mar-22	THE IRVINE COMPANY LLC	1,259.25	IRWD Check	Negotiable
425788	17-Mar-22	THERMO ELECTRON NORTH AMERICA LLC	30,630.84	IRWD Check	Reconciled
425789	17-Mar-22	THOMPSON & PHIPPS INC	2,326.86	IRWD Check	Reconciled
425790	17-Mar-22	UNITED HEALTHCARE INSURANCE COMPANY	324.22	IRWD Check	Reconciled
425791	17-Mar-22	UNITED PARCEL SERVICE INC	49.90	IRWD Check	Reconciled
425792	17-Mar-22	UNITED SITE SERVICES OF CALIFORNIA INC	739.95	IRWD Check	Reconciled
425793	17-Mar-22	UNITED WATER WORKS, INC.	900.00	IRWD Check	Reconciled
425794	17-Mar-22	UNIVAR SOLUTIONS USA INC.	10,461.90	IRWD Check	Reconciled
425795	17-Mar-22	V&A CONSULTING ENGINEERS	3,640.50	IRWD Check	Reconciled
425796	17-Mar-22	VAUGHAN'S INDUSTRIAL REPAIR CO INC	4,662.15	IRWD Check	Reconciled
425797	17-Mar-22	VEOLIA NORTH AMERICA, INC.	1,547.80	IRWD Check	Reconciled
425798	17-Mar-22	VIDO ARTUKOVICH & SON, INC./VIDMAR, INC. A JV	95,124.15	IRWD Check	Reconciled
425799	17-Mar-22	VIDO ARTUKOVICH & SON, INC./VIDMAR, INC. A JV	5,006.53	IRWD Check	Reconciled
425800	17-Mar-22	VULCAN MATERIALS COMPANY	1,521.78	IRWD Check	Reconciled
425801	17-Mar-22	VWR INTERNATIONAL, LLC	709.57	IRWD Check	Reconciled
425802	17-Mar-22	WALTERS WHOLESALE ELECTRIC	853.47	IRWD Check	Reconciled
425803	17-Mar-22	WANG, XIPING	41.46	IRWD Check	Reconciled
425804 425805	17-Mar-22	WAXIE'S ENTERPRISES, INC	2,588.54 178.00	IRWD Check IRWD Check	Reconciled Reconciled
425805 425806	17-Mar-22 17-Mar-22	WECK LABORATORIES INC WEST YOST & ASSOCIATES, INC.	19,253.00	IRWD Check	Negotiable
<del>1</del> 23000	1/-IVIGI-22	WEST TOST & ASSOCIATES, IINC.	15,233.00	III WID CHECK	ivegotiable

CHECK OR				PAYMENT	
ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
425807	17-Mar-22	WEST, STARLA	63.95	IRWD Check	Negotiable
425808	17-Mar-22	WIN-911 SOFTWARE	2,030.00	IRWD Check	Reconciled
425809	17-Mar-22	WIRELESS WATCHDOGS, LLC	4,100.00	IRWD Check	Reconciled
425810	17-Mar-22	WORKFORCE SAFETY LLC	1,500.00	IRWD Check	Reconciled
425811	22-Mar-22	OCEAN HEIGHTS MAINTENANCE ASSOCIATION	2,945.16	IRWD Check	Negotiable
425812	22-Mar-22	CALIFORNIA DEPARTMENT OF TAX AND FEE ADMINISTRATION	2,635.00	IRWD Check	Reconciled
425813	24-Mar-22	Collazo, Carlos C (Carlos)	1,875.37	IRWD Check	Reconciled
425814	24-Mar-22	Hall, William P (William)	288.00	IRWD Check	Reconciled
425815	24-Mar-22	Kanady, Jacob	115.00	IRWD Check	Reconciled
425816	24-Mar-22	Sosa, Ives (Ives)	969.74	IRWD Check	Reconciled
425817	24-Mar-22	ACE INDUSTRIES, INC.	4,123.83	IRWD Check	Reconciled
425818	24-Mar-22	AGILENT TECHNOLOGIES, INC.	15,369.09	IRWD Check	Reconciled
425819	24-Mar-22	AIRGAS, INC.	439.98	IRWD Check	Reconciled
425820	24-Mar-22	ALEXANDER'S CONTRACT SERVICES, INC.	128,662.89	IRWD Check	Reconciled
425821	24-Mar-22	ALL AMERICAN ASPHALT	8,749.55	IRWD Check	Reconciled
425822	24-Mar-22	AMAYA SOLUTIONS INC.	7,729.88	IRWD Check	Reconciled
425823 425824	24-Mar-22 24-Mar-22	AMAZON CAPITAL SERVICES, INC. AMERICAN GEOTECHNICAL, INC.	10,509.47 7,072.50	IRWD Check IRWD Check	Reconciled Reconciled
425825	24-Mar-22	AMETEK BROOKFIELD	7,072.30 242.97	IRWD Check	Reconciled
425826	24-Mar-22	ANTHEM BLUE CROSS	242.97	IRWD Check	Reconciled
425827	24-Mar-22	ANTUNOVICH, JANESSA	2.06	IRWD Check	Negotiable
425828	24-Mar-22	APPLIED ENGINEERING CONCEPTS	20,625.00	IRWD Check	Reconciled
425829	24-Mar-22	ARMORCAST PRODUCTS COMPANY	37,027.19	IRWD Check	Reconciled
425830	24-Mar-22	AT&T	99.30	IRWD Check	Reconciled
425831	24-Mar-22	AT&T	5,867.33	IRWD Check	Reconciled
425832	24-Mar-22	AUTOZONE PARTS, INC.	4,081.30	IRWD Check	Reconciled
425833	24-Mar-22	AVIAT U.S., INC	13,027.00	IRWD Check	Reconciled
425834	24-Mar-22	BATTERIES PLUS AND BATTERIES PLUS BULBS	2,594.25	IRWD Check	Reconciled
425835	24-Mar-22	BRUCE HADLEY NEWELL	1,250.00	IRWD Check	Reconciled
425836	24-Mar-22	C WELLS PIPELINE MATERIALS INC	20,562.62	IRWD Check	Reconciled
425837	24-Mar-22	CALIFORNIA BARRICADE RENTAL, INC.	7,340.56	IRWD Check	Reconciled
425838	24-Mar-22	CAROLLO ENGINEERS, INC	12,780.00	IRWD Check	Reconciled
425839	24-Mar-22	CDW GOVERNMENT LLC	13,619.00	IRWD Check	Reconciled
425840	24-Mar-22	CHEM TECH INTERNATIONAL INC	7,682.85	IRWD Check	Reconciled
425841	24-Mar-22	CHEMPACK & ENVIRONMENTAL, LLC	9,200.00	IRWD Check	Reconciled
425842	24-Mar-22	CITY OF IRVINE	1,956.98	IRWD Check	Reconciled
425843	24-Mar-22	CITY OF NEWPORT BEACH	2,374.79	IRWD Check	Reconciled
425844	24-Mar-22	CITY OF TUSTIN	250.00	IRWD Check	Reconciled
425845	24-Mar-22	CLARKE MOSQUITO CONTROL PRODUCTS, INC.	2,182.90	IRWD Check	Reconciled
425846	24-Mar-22	COASTAL OCCUPATIONAL MEDICAL GROUP, INC.	325.00	IRWD Check	Negotiable
425847	24-Mar-22	COELLO, RALPH	1,750.02	IRWD Check	Reconciled
425848	24-Mar-22	CONSERV CONSTRUCTION INC.	3,180.00	IRWD Check	Reconciled
425849	24-Mar-22	CONSOLIDATED ELECTRICAL DISTRIBUTORS, INC	560.30	IRWD Check	Reconciled
425850	24-Mar-22	CONSTELLATION NEWENERGY, INC.	29,772.30	IRWD Check	Reconciled
425851	24-Mar-22	COTTONS POINT DESIGN, INC.	1,177.08	IRWD Check	Reconciled
425852	24-Mar-22	COUNTY OF ORANGE	153.37	IRWD Check	Negotiable
425853	24-Mar-22	D & H WATER SYSTEMS INC.	3,966.50	IRWD Check	Reconciled
425854	24-Mar-22	DATA CLEAN CORPORATION	559.00	IRWD Check	Reconciled
425855	24-Mar-22	DIRECTV INC	146.99	IRWD Check	Reconciled
425856	24-Mar-22	DRAEGER, INC.	3,613.28	IRWD Check	Reconciled
425857	24-Mar-22	DRAKE TRAFFIC CONTROL SERVICES INC	7,130.00	IRWD Check	Reconciled
425858	24-Mar-22	EAGLE PRINT DYNAMICS	1,160.40	IRWD Check	Reconciled
425859	24-Mar-22	EATON CORPORATION	7,557.98	IRWD Check	Reconciled
425860	24-Mar-22	EMD MILLIPORE CORP.	1,941.05	IRWD Check	Reconciled
425861	24-Mar-22	ENVIRONMENTAL EXPRESS INC	567.87	IRWD Check	Reconciled
425862	24-Mar-22	EUROFINS ENVIRONMENT TESTING AMERICA HOLDINGS, INC.	5,101.75	IRWD Check	Reconciled
425863	24-Mar-22	FARRELL & ASSOCIATES	154.28	IRWD Check	Reconciled
425864	24-Mar-22	FARVILI, NEGAR	11.01	IRWD Check	Negotiable
425865	24-Mar-22	FEDEX	264.43	IRWD Check	Reconciled
425866	24-Mar-22	FERGUSON ENTERPRISES, LLC	4,290.94	IRWD Check	Reconciled
425867	24-Mar-22	FIREHOSEDIRECT.COM	892.82	IRWD Check	Reconciled
425868	24-Mar-22	FIRST CHOICE SERVICES	1,122.37	IRWD Check	Reconciled
425869	24-Mar-22	FISHER SCIENTIFIC COMPANY LLC	11,412.77	IRWD Check	Reconciled
425870	24-Mar-22	FRONTIER CALIFORNIA INC.	619.21	IRWD Check	Reconciled
425871	24-Mar-22	FUSCOE ENGINEERING, INC.	1,978.50	IRWD Check	Reconciled
425872	24-Mar-22	GARZA INDUSTRIES, INC	1,963.85	IRWD Check	Reconciled
425873	24-Mar-22	GCI CONSTRUCTION, INC.	14,250.00	IRWD Check	Reconciled

CHECK OR				PAYMENT	
ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
425874	24-Mar-22	GLOBAL TEST SUPPLY, LLC	4,026.32	IRWD Check	Reconciled
425875	24-Mar-22	GRAINGER	3,360.25	IRWD Check	Reconciled
425876	24-Mar-22	GRANICUS, LLC	1,909.64	IRWD Check	Reconciled
425877	24-Mar-22	GRAYBAR ELECTRIC COMPANY	484.82	IRWD Check	Reconciled
425878	24-Mar-22	HACH COMPANY	1,466.27	IRWD Check	Reconciled
425879	24-Mar-22	HADRONEX, INC.	1,100.91	IRWD Check	Reconciled
425880	24-Mar-22	HELPMATES STAFFING SERVICES	3,264.00	IRWD Check	Reconciled
425881	24-Mar-22	HELPMATES STAFFING SERVICES LLC	4,983.48	IRWD Check	Reconciled
425882	24-Mar-22	HI-LINE INC	1,383.76	IRWD Check	Reconciled
425883	24-Mar-22	HILL BROTHERS CHEMICAL COMPANY	14,850.69	IRWD Check	Negotiable
425884	24-Mar-22	HINSILBLON LTD	25,340.00	IRWD Check	Negotiable
425885	24-Mar-22	HOME DEPOT USA INC	814.27	IRWD Check	Reconciled
425886	24-Mar-22	HOWDEN USA COMPANY	46,789.88	IRWD Check	Reconciled
425887	24-Mar-22	HUNTER, CHASITY	199.27	IRWD Check	Reconciled
425888	24-Mar-22	IDEXX DISTRIBUTION, INC	8,669.79	IRWD Check	Reconciled
425889	24-Mar-22	INDUSTRIAL METAL SUPPLY CO	2,231.63	IRWD Check	Reconciled
425890	24-Mar-22	INFOSEND, INC.	21,202.39	IRWD Check	Reconciled
425891 425892	24-Mar-22 24-Mar-22	INNOVATIVE MACHINE TOOL REPAIR LLC INTEGRITY MUNICIPAL SERVICES LLC	5,235.41	IRWD Check IRWD Check	Reconciled Reconciled
425892 425893	24-iviar-22 24-Mar-22	IRONRIDGE AT PORTOLA HILLS COMMUNITY ASSOCIATION	2,575.00 3,703.83	IRWD Check	Negotiable
425894	24-Mar-22	IRVINE PIPE & SUPPLY INC	378.03	IRWD Check	Reconciled
425895	24-Mar-22	IRWD-PETTY CASH CUSTODIAN	1,041.74	IRWD Check	Reconciled
425896	24-Mar-22	JCI JONES CHEMICALS INC	4,221.06	IRWD Check	Negotiable
425897	24-Mar-22	JUST ENERGY SOLUTIONS INC.	181.40	IRWD Check	Reconciled
425898	24-Mar-22	KNOWBE4 INC.	11,040.00	IRWD Check	Reconciled
425899	24-Mar-22	LAGUNA BEACH COUNTY WATER DISTRICT	3,834.18	IRWD Check	Negotiable
425900	24-Mar-22	LANDCARE HOLDINGS, INC.	1,224.10	IRWD Check	Reconciled
425901	24-Mar-22	LEIGHTON CONSULTING, INC.	115.20	IRWD Check	Reconciled
425902	24-Mar-22	LEUNG NG, KWOK	184.96	IRWD Check	Negotiable
425903	24-Mar-22	LINDE GAS & EQUIPMENT INC.	26.28	IRWD Check	Reconciled
425904	24-Mar-22	LSA ASSOCIATES INC	1,822.93	IRWD Check	Reconciled
425905	24-Mar-22	MBK ENGINEERS	735.00	IRWD Check	Reconciled
425906	24-Mar-22	MC FADDEN-DALE INDUSTRIAL	331.91	IRWD Check	Reconciled
425907	24-Mar-22	MC MASTER CARR SUPPLY CO	140.40	IRWD Check	Reconciled
425908	24-Mar-22	MCCALL'S METERS, INC.	3,326.28	IRWD Check	Negotiable
425909	24-Mar-22	MCCROMETER, INC.	5,078.27	IRWD Check	Reconciled
425910	24-Mar-22	MERRIMAC PETROLEUM, INC.	46,058.20	IRWD Check	Reconciled
425911	24-Mar-22	MICROSOFT CORPORATION	498.45	IRWD Check	Reconciled
425912	24-Mar-22	MILES CHEMICAL COMPANY, INC.	5,950.64	IRWD Check	Reconciled
425913	24-Mar-22	N1 CRITICAL TECHNOOGIES, INC	11,429.89	IRWD Check	Reconciled
425914	24-Mar-22	NCH CORPORATION	374.92	IRWD Check	Reconciled
425915	24-Mar-22	NEW DIMENSION GENERAL CONSTRUCTION	3,844.38	IRWD Check	Reconciled
425916	24-Mar-22	NOV PROCESS & FLOW TECHNOLOGIES US, INC.	10,376.07	IRWD Check	Reconciled
425917	24-Mar-22	NV5, INC.	6,553.75	IRWD Check	Reconciled
425918	24-Mar-22	O'REILLY AUTO ENTERPRISES, LLC	247.78	IRWD Check	Reconciled
425919	24-Mar-22	OBEST, PAUL	28.22	IRWD Check	Negotiable
425920	24-Mar-22	OLIN CORPORATION	30,839.29	IRWD Check	Reconciled
425921	24-Mar-22	ONESOURCE DISTRIBUTORS LLC	3,441.50	IRWD Check	Reconciled
425922	24-Mar-22	ORACLE AMERICA, INC.	247,294.93	IRWD Check	Reconciled
425923	24-Mar-22	ORANGE COUNTY AUTO PARTS CO	456.41	IRWD Check	Reconciled
425924	24-Mar-22	ORIGIN CONSULTING LLC	7,895.00	IRWD Check	Reconciled
425925 425926	24-Mar-22	PACIFIC PARTS & CONTROLS INC	821.73	IRWD Check	Reconciled
	24-Mar-22	PARKHOUSE TIRE INC	2,486.87	IRWD Check	Reconciled
425927	24-Mar-22	PAUL A. RUELAS	125.00	IRWD Check	Reconciled
425928	24-Mar-22	PERKINELMER HEALTH SCIENCES INC	14,436.00	IRWD Check	Reconciled
425929	24-Mar-22	QUINN COMPANY  BAM AIR ENGINEERING INC	22,391.25 33,091.63	IRWD Check IRWD Check	Reconciled
425930 425931	24-Mar-22	RAM AIR ENGINEERING INC	4,740.00	IRWD Check	Reconciled
425931	24-Mar-22 24-Mar-22	REAL WATER CONSULTANTS INC. RED WING SHOE STORE	4,740.00	IRWD Check	Reconciled Reconciled
425933	24-Mar-22	RENTOKIL NORTH AMERICA, INC	5,026.00	IRWD Check	Reconciled
425934	24-Mar-22	RESOURCE TRENDS, INC.	2,500.00	IRWD Check	Reconciled
425935	24-Mar-22	RICHARD C. SLADE & ASSOCIATES LLC	8,418.77	IRWD Check	Negotiable
425936	24-Mar-22	RINCON TRUCK CENTER INC.	2,688.21	IRWD Check	Reconciled
425937	24-Mar-22	RLG ENTERPRISES, INC	168.98	IRWD Check	Reconciled
425938	24-Mar-22	ROBERTS ROOFING INC	8,950.00	IRWD Check	Reconciled
425939	24-Mar-22	ROH, YONGJIN	155.50	IRWD Check	Negotiable
425940	24-Mar-22	ROSEN LAW OFFICES, APC	250,000.00	IRWD Check	Reconciled
55 .6			250,555.00		

CHECK OR				PAYMENT	
ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
425941	24-Mar-22	SANTA ANA BLUE PRINT	391.71	IRWD Check	Reconciled
425942	24-Mar-22	SANTA MARGARITA FORD	417.07	IRWD Check	Reconciled
425943	24-Mar-22	SCHULER CONSTRUCTORS, INC.	7,395.00	IRWD Check	Reconciled
425944	24-Mar-22	SCOTT EQUIPMENT INCORPORATED	593.33	IRWD Check	Reconciled
425945 425946	24-Mar-22 24-Mar-22	SEAL ANALYTICAL INC SELECT TRENCHLESS PIPELINES INC	570.15 2,359.06	IRWD Check IRWD Check	Reconciled Reconciled
425947	24-Mar-22	SHAMROCK SUPPLY CO INC	448.67	IRWD Check	Reconciled
425948	24-Mar-22	SHOETERIA	417.70	IRWD Check	Reconciled
425949	24-Mar-22	SOUTH COAST WATER DISTRICT	937.17	IRWD Check	Reconciled
425950	24-Mar-22	SOUTHERN CALIFORNIA EDISON COMPANY	75.09	IRWD Check	Reconciled
425951	24-Mar-22	SOUTHERN CALIFORNIA EDISON COMPANY	67,198.76	IRWD Check	Reconciled
425952	24-Mar-22	SOUTHERN CALIFORNIA GAS COMPANY	11,396.20	IRWD Check	Negotiable
425953	24-Mar-22	SOUTHERN CALIFORNIA SECURITY CENTERS, INC.	187.71	IRWD Check	Negotiable
425954	24-Mar-22	SPECTRUM CONSTRUCTION GROUP INC	1,022.42	IRWD Check	Reconciled
425955	24-Mar-22	SUEZ TREATMENT SOLUTIONS INC.	10,733.11	IRWD Check	Reconciled
425956	24-Mar-22	SUN, CHENCHEN	27.61	IRWD Check	Reconciled
425957 425958	24-Mar-22 24-Mar-22	SYNAGRO-WWT, INC. TAWEKJIAN, MEHRAN	138,699.66 350.00	IRWD Check IRWD Check	Reconciled Reconciled
425959	24-Mar-22	THIAGARAJAH, RENGA	1,250.00	IRWD Check	Negotiable
425960	24-Mar-22	THOMPSON & PHIPPS INC	6,428.92	IRWD Check	Reconciled
425961	24-Mar-22	TOTAL RESOURCE MANAGEMENT, INC	3,485.00	IRWD Check	Reconciled
425962	24-Mar-22	TRAFFIC MANAGEMENT, INC	4,008.00	IRWD Check	Reconciled
425963	24-Mar-22	TRAN, ERIK	186.34	IRWD Check	Negotiable
425964	24-Mar-22	TROUTMAN, RANDY	68.86	IRWD Check	Negotiable
425965	24-Mar-22	UCT, LLC	292.21	IRWD Check	Reconciled
425966	24-Mar-22	ULINE INC	626.45	IRWD Check	Reconciled
425967	24-Mar-22	UNITED PARCEL SERVICE INC	117.19	IRWD Check	Reconciled
425968	24-Mar-22	UNITED WATER WORKS INC	273.82	IRWD Check	Reconciled
425969 425970	24-Mar-22 24-Mar-22	UNITED WATER WORKS, INC. UNIVAR SOLUTIONS USA INC.	48,107.51 10,199.60	IRWD Check IRWD Check	Reconciled Reconciled
425970	24-Mar-22	US BANK NAT'L ASSOCIATION NORTH DAKOTA	68,992.16	IRWD Check	Reconciled
425972	24-Mar-22	VANTAGE UTILITY SERVICES, LLC	1,561.35	IRWD Check	Reconciled
425973	24-Mar-22	WALTERS WHOLESALE ELECTRIC	2,763.41	IRWD Check	Reconciled
425974	24-Mar-22	WANG, NING-LAN	40.00	IRWD Check	Reconciled
425975	24-Mar-22	WAXIE'S ENTERPRISES, INC	285.27	IRWD Check	Reconciled
425976	24-Mar-22	WECK LABORATORIES INC	3,483.00	IRWD Check	Reconciled
425977	24-Mar-22	WEST COAST SAFETY SUPPLY INC	4,370.37	IRWD Check	Reconciled
425978	24-Mar-22	WEST COAST SAND & GRAVEL INC.	1,223.84	IRWD Check	Reconciled
425979	24-Mar-22	WEST YOST & ASSOCIATES, INC.	15,470.25	IRWD Check	Reconciled
425980	24-Mar-22	WESTAMERICA COMMUNICATIONS, INC.	600.00	IRWD Check	Reconciled
425981 425982	24-Mar-22 25-Mar-22	WORKFORCE SAFETY LLC PERS LONG TERM CARE	6,000.00 612.63	IRWD Check IRWD Check	Reconciled Reconciled
425983	25-Mar-22	INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS LOCAL 47	3,360.47	IRWD Check	Negotiable
425984	25-Mar-22	ARAG NORTH AMERICA, INC.	415.00	IRWD Check	Negotiable
425985	31-Mar-22	Cotton, Derrien	208.92	IRWD Check	Negotiable
425986	31-Mar-22	Mori, Richard K (Rich)	21.29	IRWD Check	Reconciled
425987	31-Mar-22	Nash, Joel	137.48	IRWD Check	Negotiable
425988	31-Mar-22	Orozco, Gustavo A (Gus)	192.00	IRWD Check	Negotiable
425989	31-Mar-22	ION WAVE TECHNOLOGIES, INC.	22,900.00	IRWD Check	Negotiable
425990	31-Mar-22	ACCUSTANDARD INC	69.42	IRWD Check	Negotiable
425991	31-Mar-22	ACE INDUSTRIES, INC.	3,710.00	IRWD Check	Negotiable
425992	31-Mar-22	ADS CORP.	11,972.00	IRWD Check	Negotiable
425993 425994	31-Mar-22 31-Mar-22	AECOM TECHNICAL SERVICES, INC. AFLAC	191,215.00 2,087.42	IRWD Check IRWD Check	Negotiable Negotiable
425995	31-Mar-22	AGILENT TECHNOLOGIES, INC.	288.88	IRWD Check	Negotiable
425996	31-Mar-22	AIRGAS, INC.	4,095.17	IRWD Check	Negotiable
425997	31-Mar-22	ALLIANCE RESOURCE CONSULTING LLC	6,625.00	IRWD Check	Negotiable
425998	31-Mar-22	AMAZON CAPITAL SERVICES, INC.	2,073.67	IRWD Check	Negotiable
425999	31-Mar-22	AMETEK BROOKFIELD	1,724.62	IRWD Check	Negotiable
426000	31-Mar-22	AMWINS GROUP BENEFITS LLC	3,629.10	IRWD Check	Negotiable
426001	31-Mar-22	ANTHONY N. LARSEN	550.00	IRWD Check	Negotiable
426002	31-Mar-22	AQUA BEN CORPORATION	48,211.20	IRWD Check	Negotiable
426003	31-Mar-22	ARI, SUHA	228.55	IRWD Check	Negotiable
426004	31-Mar-22	ASSEMBLED PRODUCTS CORPORATION	321.00	IRWD Check	Negotiable
426005	31-Mar-22	ASSEMBLED PRODUCTS CORPORATION	340.30	IRWD Check	Negotiable Negotiable
426006 426007	31-Mar-22 31-Mar-22	ASSOCIATION OF CALIFORNIA WATER AGENCIES AT&T	2,000.00 709.83	IRWD Check IRWD Check	Negotiable Negotiable
720007	JI IVIGI-ZZ	///wi	703.03	WAS CHECK	McBottanie

CHECK OR				PAYMENT	
ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
426008	31-Mar-22	AUTOZONE PARTS, INC.	372.02	IRWD Check	Negotiable
426009	31-Mar-22	BATTERY SYSTEMS INC	822.25	IRWD Check	Negotiable
426010	31-Mar-22	BAVCO BACKFLOW APPARATUS & VALVE COMPANY	5,114.33	IRWD Check	Negotiable
426011	31-Mar-22	BIO-ACOUSTICAL CORP.	600.00	IRWD Check	Negotiable
426012	31-Mar-22	C WELLS PIPELINE MATERIALS INC	5,535.66	IRWD Check	Negotiable
426013	31-Mar-22	CALIFORNIA BARRICADE RENTAL, INC.	14,622.50	IRWD Check	Negotiable
426014	31-Mar-22	CANON SOLUTIONS AMERICA, INC.	14.40 282.52	IRWD Check	Negotiable
426015 426016	31-Mar-22 31-Mar-22	CDW GOVERNMENT LLC CESENA, DANNIE	13.47	IRWD Check IRWD Check	Negotiable Negotiable
426017	31-Mar-22	CHAIREL CUSTOM HAY, INC.	9,144.09	IRWD Check	Negotiable
426018	31-Mar-22	CHEM TECH INTERNATIONAL INC	9,913.44	IRWD Check	Negotiable
426019	31-Mar-22	COASTAL OCCUPATIONAL MEDICAL GROUP, INC.	296.30	IRWD Check	Negotiable
426020	31-Mar-22	COASTLINE EQUIPMENT COMPANY	649.13	IRWD Check	Negotiable
426021	31-Mar-22	COLONIAL LIFE & ACCIDENT INSURANCE CO.	652.98	IRWD Check	Negotiable
426022	31-Mar-22	CONSTELLATION NEWENERGY, INC.	41,847.60	IRWD Check	Negotiable
426023	31-Mar-22	CONTROL LABORATORIES, INC.	225.00	IRWD Check	Negotiable
426024	31-Mar-22	COTTONS POINT DESIGN, INC.	1,177.08	IRWD Check	Negotiable
426025	31-Mar-22	COUNTY OF ORANGE	460.11	IRWD Check	Negotiable
426026	31-Mar-22	COX COMMUNICATIONS, INC.	3,588.04	IRWD Check	Negotiable
426027	31-Mar-22	CV TECHNOLOGY, INC.	28,925.07	IRWD Check	Negotiable
426028	31-Mar-22	DAYTON CERTIFIED WELDING,INC.	5,200.00	IRWD Check	Negotiable
426029	31-Mar-22	DEBEVER, BAS	16.53	IRWD Check	Negotiable
426030	31-Mar-22	DELL MARKETING LP	4,504.84	IRWD Check	Negotiable
426031	31-Mar-22	DILYTICS INC	3,900.00	IRWD Check	Negotiable
426032	31-Mar-22	DIRECTV INC	146.99	IRWD Check	Negotiable
426033	31-Mar-22	DOPUDJA & WELLS CONSULTING INC.	1,200.00	IRWD Check	Negotiable
426034 426035	31-Mar-22 31-Mar-22	DOUGLAS ENVIRONMENTAL GROUP INC DRAKE TRAFFIC CONTROL SERVICES INC	1,625.00 3,590.00	IRWD Check IRWD Check	Negotiable
426036	31-Mar-22	EAST ORANGE COUNTY WATER DISTRICT	3,425.91	IRWD Check	Negotiable Negotiable
426037	31-Mar-22	EMD MILLIPORE CORP.	1,477.51	IRWD Check	Negotiable
426038	31-Mar-22	ENVIRONMENTAL EXPRESS INC	1,136.00	IRWD Check	Negotiable
426039	31-Mar-22	EUROFINS ENVIRONMENT TESTING AMERICA HOLDINGS, INC.	1,722.00	IRWD Check	Negotiable
426040	31-Mar-22	EVOQUA WATER TECHNOLOGIES LLC	620.80	IRWD Check	Negotiable
426041	31-Mar-22	EXECUTIVE LIGHTING & ELECTRIC	1,319.46	IRWD Check	Negotiable
426042	31-Mar-22	FEDEX	565.07	IRWD Check	Negotiable
426043	31-Mar-22	FERGUSON ENTERPRISES, LLC	1,628.19	IRWD Check	Negotiable
426044	31-Mar-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	6,340.51	IRWD Check	Negotiable
426045	31-Mar-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	85.52	IRWD Check	Negotiable
426046	31-Mar-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	888.56	IRWD Check	Negotiable
426047	31-Mar-22	FIDELITY SECURITY LIFE INSURANCE COMPANY	180.35	IRWD Check	Negotiable
426048	31-Mar-22	FIORI, JOE	68.35	IRWD Check	Negotiable
426049	31-Mar-22	FIRE EXTINGUISHING SAFETY & SERVICE	754.84	IRWD Check	Negotiable
426050	31-Mar-22	FISHER SCIENTIFIC COMPANY LLC	1,623.39	IRWD Check	Negotiable
426051	31-Mar-22	FRONTIER CALIFORNIA INC.	290.73	IRWD Check	Negotiable
426052 426053	31-Mar-22	FULLER TRUCK ACCESSORIES	1,142.15 3,880.16	IRWD Check	Negotiable
426054	31-Mar-22 31-Mar-22	GANAHL LUMBER CO. GARY BALE REDI-MIX CONCRETE, INC.	867.93	IRWD Check IRWD Check	Negotiable Negotiable
426055	31-Mar-22	GLOBAL TEST SUPPLY, LLC	3,772.00	IRWD Check	Negotiable
426056	31-Mar-22	GRAINGER	6,315.32	IRWD Check	Negotiable
426057	31-Mar-22	GREGORY, DOUGLAS	33.44	IRWD Check	Negotiable
426058	31-Mar-22	GSRP ST SOLAR I LLC	12,200.17	IRWD Check	Negotiable
426059	31-Mar-22	GUDKOVA, GANNA	44.71	IRWD Check	Negotiable
426060	31-Mar-22	GUO, FEN	1,299.14	IRWD Check	Negotiable
426061	31-Mar-22	HAAKER EQUIPMENT COMPANY	982.22	IRWD Check	Negotiable
426062	31-Mar-22	HACH COMPANY	4,990.96	IRWD Check	Negotiable
426063	31-Mar-22	HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY	50.88	IRWD Check	Negotiable
426064	31-Mar-22	HDR ENGINEERING INC	19,156.50	IRWD Check	Negotiable
426065	31-Mar-22	HELPMATES STAFFING SERVICES LLC	2,301.02	IRWD Check	Negotiable
426066	31-Mar-22	HI-LINE INC	440.47	IRWD Check	Negotiable
426067	31-Mar-22	HILL BROTHERS CHEMICAL COMPANY	10,500.61	IRWD Check	Negotiable
426068	31-Mar-22	HOME DEPOT USA INC	1,144.56	IRWD Check	Negotiable
426069	31-Mar-22	HOROWITZ, ADAM	336.85	IRWD Check	Negotiable
426070	31-Mar-22	HSG INC	2,010.00	IRWD Check	Negotiable
426071	31-Mar-22	ILAND INTERNET SOLUTION CORPORATION	8,194.57	IRWD Check	Negotiable
426072 426073	31-Mar-22	INFOSEND, INC.	29,597.24 45.572.80	IRWD Check IRWD Check	Negotiable Negotiable
426073 426074	31-Mar-22 31-Mar-22	INTERPRO SOLUTIONS, LLC. IRVINE PACIFIC	45,572.80 240.92	IRWD Check	Negotiable Negotiable
7200/4	J1-IVIGI -ZZ	INVINE LAGITIC	240.92	INVVD CHECK	Megorianie

426075   31-Mar-22   RIVIN PIPE & SUPPLY INC   31-Mar-22   AULU, MIPHOP   31-Mar-22   AULU, AURUP   31-Mar-22   AULU, AURUP   31-Mar-22   AULUP   31-	CHECK OR				PAYMENT	
426076   31-Mar-22   JAMBORES MOG   \$8.00   IRWD Check   Neg   426078   31-Mar-22   JAMBORES MOG   \$8.00   IRWD Check   Neg   426078   31-Mar-22   JAMBORES MOG   \$8.00   IRWD Check   Neg   426079   31-Mar-22   KIN-MEUS TERMITE AND PEST CONTROL SERVICES   4,620.00   IRWD Check   Neg   426081   31-Mar-22   KIN-MEUS TERMITE AND PEST CONTROL SERVICES   4,620.00   IRWD Check   Neg   426081   31-Mar-22   KIN-MEUS TERMITE AND PEST CONTROL SERVICES   4,620.00   IRWD Check   Neg   426083   31-Mar-22   EIGHTTON CONSULTING, INC.   6,636.50   IRWD Check   Neg   426083   31-Mar-22   LEIGHTTON CONSULTING, INC.   6,666.91   IRWD Check   Neg   426083   31-Mar-22   LIFFIT MANIPACTURING CO, INC.   6,666.91   IRWD Check   Neg   426083   31-Mar-22   LIFFIT MANIPACTURING CO, INC.   1,987.38   IRWD Check   Neg   426083   31-Mar-22   LINDE CAS & EQUIPMENT INC.   1,987.38   IRWD Check   Neg   426083   31-Mar-22   LINDE CAS & EQUIPMENT INC.   1,987.38   IRWD Check   Neg   426089   31-Mar-22   LYONS, ROBERT AND NANCY   1,621.41   IRWD Check   Neg   426089   31-Mar-22   MAIS EBBBRA   488.56   IRWD Check   Neg   426093   31-Mar-22   MAIS EBBBRA   488.56   IRWD Check   Neg   426093   31-Mar-22   MAIS EBBBRA   488.56   IRWD Check   Neg   426094   31-Mar-22   MIDE CAS   MAIS EBBBRA   488.56   IRWD Check   Neg   426094   31-Mar-22   MIDE CAS   MIDE C	ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
426077   31-Mar-22   JAMBOREE SMOG   S8.00   IRWD Check   Neg   426079   31-Mar-22   KIB-MOMES   28.38.77   IRWD Check   Neg   426079   31-Mar-22   KIB-MOMES   28.38.77   IRWD Check   Neg   426081   31-Mar-22   KIB-MOMES   KIROLING STERMITE AND PEST CONTROL SERVICES   4,26.00   IRWD Check   Neg   426082   31-Mar-22   KIB-MOMES OF CALIFORNIA, INC.   6,35.50   IRWD Check   Neg   426082   31-Mar-22   LEIGHTON CONSULTING, INC.   6,35.50   IRWD Check   Neg   426083   31-Mar-22   LEIGHTON CONSULTING, INC.   6,560.91   IRWD Check   Neg   426084   31-Mar-22   LIFI-TI MANUFACTURING CO., INC.   6,560.91   IRWD Check   Neg   426085   31-Mar-22   LIFI-TI MANUFACTURING CO., INC.   1,987.38   IRWD Check   Neg   426086   31-Mar-22   LIM, JOINGWOM   1,727   IRWD Check   Neg   426088   31-Mar-22   LORD, DENNY   1,727   IRWD Check   Neg   426088   31-Mar-22   LORD, DENNY   1,727   IRWD Check   Neg   426089   31-Mar-22   LORD, DENNY   1,727   IRWD Check   Neg   426089   31-Mar-22   LORD, DENNY   1,727   IRWD Check   Neg   426090   31-Mar-22   LORD, DENNY   1,727   IRWD Check   Neg   426090   31-Mar-22   MALOFE, SCOTT   2,567   IRWD Check   Neg   426091   31-Mar-22   MALOFE, SCOTT   2,567   IRWD Check   Neg   426091   31-Mar-22   MBCA QUARITIC SCIENCES, INC.   1,313.150   IRWD Check   Neg   426093   31-Mar-22   MBCA QUARITIC SCIENCES, INC.   1,313.150   IRWD Check   Neg   426093   31-Mar-22   MBCA QUARITIC SCIENCES, INC.   1,313.150   IRWD Check   Neg   426093   31-Mar-22   MBCA QUARITIC SCIENCES, INC.   1,313.150   IRWD Check   Neg   426093   31-Mar-22   MBCA QUARITIC SCIENCES, INC.   1,313.150   IRWD Check   Neg   426093   31-Mar-22   MBCA QUARITICA COMPANY, INC.   1,321.80   IRWD Check   Neg   426093   31-Mar-22   MILKS CHEMICAL COMPANY, INC.   1,321.80   IRWD Check   Neg   426093   31-Mar-22   MILKS CHEMICAL COMPANY, INC.   3,311.20   IRWD Check   Neg   426093   31-Mar-22   MILKS CHEMICAL COMPANY, INC.   3,311.20   IRWD Check   Neg   426093   31-Mar-22   MILKS CHEMICAL COMPANY, INC.   3,311.20   IRWD Check   Neg   426093   3						Negotiable
426078   31-Mar-22			•			Negotiable
426079   31-Mar-22   KILN-PAUGS TERMITE AND PEST CONTROL SERVICES   4,620.00   11WO Check   Neg   426081   31-Mar-22   KILN-PAUGS TERMITE AND PEST CONTROL SERVICES   4,620.00   11WO Check   Neg   426082   31-Mar-22   KRONICK MOSKOVITZ TIEDEMANN & GIRARD   11,499.18   IRWD Check   Neg   426082   31-Mar-22   LEINNAR HOMES OF CALIDRONA, INC.   6,503.01   IRWD Check   Neg   426084   31-Mar-22   LEINNAR HOMES OF CALIDRONA, INC.   6,060.91   IRWD Check   Neg   426085   31-Mar-22   LIM, JONGWON   5,000   IRWD Check   Neg   426086   31-Mar-22   LIM, JONGWON   1,987.38   IRWD Check   Neg   426086   31-Mar-22   LIM, DONGWON   1,727   IRWD Check   Neg   426088   31-Mar-22   LORD, DEINY   1,727   IRWD Check   Neg   426088   31-Mar-22   LORD, DEINY   1,727   IRWD Check   Neg   426089   31-Mar-22   MALOFF, SCOTT   2,567   IRWD Check   Neg   426093   31-Mar-22   MALOFF, SCOTT   2,567   IRWD Check   Neg   426093   31-Mar-22   MALOFF, SCOTT   2,567   IRWD Check   Neg   426093   31-Mar-22   MALOFF, SCOTT   2,5767   IRWD Check   Neg   426093   31-Mar-22   MARCHINERER   13,131.50   IRWD Check   Neg   426093   31-Mar-22   MARCHINERER   14,162.80   IRWD Check   Neg   426093   31-Mar-22   MARCHINERER   14,162.80   IRWD Check   Neg   426093   31-Mar-22   MARCHINERER   14,162.80   IRWD Check   Neg   426093   31-Mar-22   MALOFF, SCOTT   14,162.80   IRWD Check   Neg   426093						Negotiable
426080   31-Mar-22   KILL-NEUGS TERMITE AND PEST CONTROL SERVICES   4,620.00   RWD Check   Neg   426082   31-Mar-22   KRONICK MOSKOVITZ TIEDGEMAN & GIRARD   11,499.18   IRWD Check   Neg   426083   31-Mar-22   LEIGHTON CONSULTING, INC.   2,570.47   IRWD Check   Neg   426083   31-Mar-22   LEIGHTON CONSULTING, INC.   6,60.09   IRWD Check   Neg   426085   31-Mar-22   LIPT-IT MANUFACTURING CO., INC.   6,60.09   IRWD Check   Neg   426085   31-Mar-22   LIPT-IT MANUFACTURING CO., INC.   1,987.38   IRWD Check   Neg   426086   31-Mar-22   LINDE GAS & EQUIPMENT INC.   1,987.38   IRWD Check   Neg   426087   31-Mar-22   LINDE GAS & EQUIPMENT INC.   1,987.38   IRWD Check   Neg   426088   31-Mar-22   LYONS, ROBERT AND NANCY   16,271   IRWD Check   Neg   426089   31-Mar-22   MALOFF, SCOTT   MANUFACTURING CONTROL SERVICES, INC.   1,400.00   IRWD Check   Neg   426093   31-Mar-22   MRS CAUDATIC SCIENCES, INC.   1,400.00   IRWD Check   Neg   426093   31-Mar-22   MRS CAUDATIC SCIENCES, INC.   1,400.00   IRWD Check   Neg   426093   31-Mar-22   MRS CAUDATIC SCIENCES, INC.   1,400.00   IRWD Check   Neg   426093   31-Mar-22   MRS CAUDATIC SCIENCES, INC.   1,400.00   IRWD Check   Neg   426094   31-Mar-22   MRS CAUDATIC SCIENCES, INC.   2,725.11   IRWD Check   Neg   426093   31-Mar-22   MRS CAUDATIC SCIENCES, INC.   2,725.11   IRWD Check   Neg   426093   31-Mar-22   MRS CAUDATIC SCIENCES, INC.   2,725.11   IRWD Check   Neg   426093   31-Mar-22   MRS CAUDATIC SCIENCES, INC.   2,725.11   IRWD Check   Neg   426093   31-Mar-22   MRS CAUDATIC SCIENCES, INC.   2,725.11   IRWD Check   Neg   426093   31-Mar-22   MRS CAUDATIC SCIENCES, INC.   2,725.11   IRWD Check   Neg   426093   31-Mar-22   MRS CAUDATION   2,531.01   IRWD Check   Neg   426103   31-Mar-22   MRS CAUDATION   2,531.01   IRWD Check   Neg   426103   31-Mar-22   MRS CAUDATION   2,631.0						Negotiable
42681   31-Mar-22   LEIGHTON CONSULTING, INC   6635.0   IRWD Check   Neg   42683   31-Mar-22   LEIGHTON CONSULTING, INC   6635.0   IRWD Check   Neg   426884   31-Mar-22   LEINAR HOMES OF CALIFORNIA, INC.   2,570.47   IRWD Check   Neg   426885   31-Mar-22   LIM, JONGWON   5000   IRWD Check   Neg   426886   31-Mar-22   LIMD, LONGWON   5000   IRWD Check   Neg   426886   31-Mar-22   LIMD, LONGWON   5000   IRWD Check   Neg   426886   31-Mar-22   LORD, DENNY   17.27   IRWD Check   Neg   426887   31-Mar-22   LORD, DENNY   17.27   IRWD Check   Neg   426886   31-Mar-22   LORD, DENNY   17.27   IRWD Check   Neg   426888   31-Mar-22   LORD, DENNY   17.27   IRWD Check   Neg   426898   31-Mar-22   MAINER, BARBARA   488.36   IRWD Check   Neg   426991   31-Mar-22   MAINER, BARBARA   488.36   IRWD Check   Neg   426993   31-Mar-22   MBC AQUATIC SCIENCES, INC.   1,4000   IRWD Check   Neg   426993   31-Mar-22   MCKROMETER, INC.   1,4000   IRWD Check   Neg   426993   31-Mar-22   MCKROMETER, INC.   1,4000   IRWD Check   Neg   426993   31-Mar-22   MCKROMETER, INC.   1,311.50   IRWD Check   Neg   426993   31-Mar-22   MCKROMETER, INC.   1,311.50   IRWD Check   Neg   426995   31-Mar-22   MCKROMETER, INC.   1,311.50   IRWD Check   Neg   426995   31-Mar-22   MINES CHEMICALO, INC.   1,527.11   IRWD Check   Neg   426995   31-Mar-22   MINES CHEMICALO, INC.   1,537.17   IRWD Check   Neg   426999   31-Mar-22   MINES CHEMICALO, INC.   1,537.17   IRWD Check   Neg   426999   31-Mar-22   MINES CHEMICALO, INC.   1,538.30   IRWD Check   Neg   426999   31-Mar-22   OXIGUATUR CHEMICALO, INC.   1,538.30   IRWD Check   Neg   426999   31-Mar-22   OXIGUATUR CHEMICALO, INC.   1,538.30   IRWD Check   Neg   426999   31-Mar-22   OXIGUATUR CHEMICALO, INC.   1,538.30   IRWD Check   Neg   426999   31-Mar-22   OXIGUATUR CHEMICALO, INC.   1,538.30   IRWD Check   Neg   426999   31-Mar-22   OXIGUATUR CHEMICALO, INC.   1,538.30   IRWD Check   Neg   426999   31-Mar-22   OXIGUATUR CHEMICALO, INC.   1,538.30   IRWD Check   Neg   426999   31-Mar-22   OXIGUATUR CHEMICALO						Negotiable
426082   31-Mar-22						Negotiable
426083   31-Mar-22   LENNAR HOMES OF CALIFORNIA, INC.   2,570.47   IRWD Check   Neg   426084   31-Mar-22   LIFL, INDIG GAS, & EQUIPMENT INC.   1,987.38   IRWD Check   Neg   426086   31-Mar-22   LIML, INDIG GAS, & EQUIPMENT INC.   1,987.38   IRWD Check   Neg   426087   31-Mar-22   LORD, DENNY   17.27   IRWD Check   Neg   426087   31-Mar-22   LORD, DENNY   17.27   IRWD Check   Neg   426088   31-Mar-22   LORD, DENNY   17.27   IRWD Check   Neg   426089   31-Mar-22   MALOFF, SCOTT   25.57   IRWD Check   Neg   426089   31-Mar-22   MALOFF, SCOTT   25.57   IRWD Check   Neg   426090   31-Mar-22   MALOFF, SCOTT   25.57   IRWD Check   Neg   426091   31-Mar-22   MBE AQUATIC SCIENCES, INC.   1,000.00   IRWD Check   Neg   426093   31-Mar-22   MBE CAQUATIC SCIENCES, INC.   1,000.00   IRWD Check   Neg   426093   31-Mar-22   MBE CAQUATIC SCIENCES, INC.   1,000.00   IRWD Check   Neg   426094   31-Mar-22   MBE CAQUATIC SCIENCES, INC.   1,000.00   IRWD Check   Neg   426094   31-Mar-22   MBE CAQUATIC SCIENCES, INC.   1,000.00   IRWD Check   Neg   426095   31-Mar-22   MISSION COMMUNICATIONS, LLC   1,02.83   IRWD Check   Neg   426096   31-Mar-22   MISSION COMMUNICATIONS, LLC   1,162.80   IRWD Check   Neg   426096   31-Mar-22   MISSION COMMUNICATIONS, LLC   1,162.80   IRWD Check   Neg   426099   31-Mar-22   MISSION COMMUNICATIONS, LLC   1,162.80   IRWD Check   Neg   426099   31-Mar-22   ORANGE COUNTY PRODUCE   661.12   IRWD Check   Neg   426009   31-Mar-22   ORANGE COUNTY SANTIATION DISTRICT   2,117-50   IRWD Check   Neg   426100   31-Mar-22   ORANGE COUNTY SANTIATION DISTRICT   3,753.11   IRWD Check   Neg   426100   31-Mar-22   ORANGE COUNTY SANTIATION DISTRICT   3,753.11   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY SANTIATION DISTRICT   3,753.11   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY SANTIATION DISTRICT   3,753.11   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY SANTIATION DISTRICT   3,753.11   IRWD Check   Neg   426103   31-Mar-22   PACIFIC CACOST BOLT COORD   NEG   NEG   NEG   NEW Check   Neg						Negotiable Negotiable
426084   31-Mar-22						Negotiable
426085   31-Mar-22						Negotiable
426086   31-Mar-22				,		Negotiable
426087   31-Mar-22   LORD, DENNY   17.27   IRWD Check   Neg   426088   31-Mar-22   MAINGER, SOBERT AND NANCY   162.41   IRWD Check   Neg   426090   31-Mar-22   MAINGER, SCOTT   25.67   IRWD Check   Neg   426090   31-Mar-22   MAINGER, BARBARA   488.36   IRWD Check   Neg   426091   31-Mar-22   MBK ENGINEERS   13,131.50   IRWD Check   Neg   426092   31-Mar-22   MBK ENGINEERS   13,131.50   IRWD Check   Neg   426093   31-Mar-22   MBK ENGINEERS   13,131.50   IRWD Check   Neg   426093   31-Mar-22   MISE CHEMICAL COMPANY, INC.   2,725.11   IRWD Check   Neg   426094   31-Mar-22   MILES CHEMICAL COMPANY, INC.   2,725.11   IRWD Check   Neg   426095   31-Mar-22   MILES CHEMICAL COMPANY, INC.   5,937.17   IRWD Check   Neg   426096   31-Mar-22   MISSION COMMUNICATIONS, LLC   1,162.80   IRWD Check   Neg   426096   31-Mar-22   MYERS & SONS HI-WAY SAFETY, INC.   1,162.80   IRWD Check   Neg   426098   31-Mar-22   MYERS & SONS HI-WAY SAFETY, INC.   3,511.20   IRWD Check   Neg   426099   31-Mar-22   ORELLY AUTO ENTERPRISES, LLC   2,117.50   IRWD Check   Neg   426100   31-Mar-22   ORELLY AUTO ENTERPRISES, LLC   2,114.92   IRWD Check   Neg   426101   31-Mar-22   ORELLY AUTO ENTERPRISES, LLC   16,499.03   IRWD Check   Neg   426101   31-Mar-22   ORENGE COUNTY PRODUCE   661.12   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY PRODUCE   661.12   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY PRODUCE   661.12   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY PRODUCE   67.12   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY PRODUCE   67.12   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY PRODUCE   67.12   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY PRODUCE   67.12   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY PRODUCE   67.12   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426103   31-Mar-22   PARKEN HANNIFIN CORPORATION   1,710.23   IRWD C						Negotiable
A26099   31-Mar-22   MALOFF, SCOTT   2.5.67   IRWD Check   Neg   A26091   31-Mar-22   MARSKE, BARBARA   488.36   IRWD Check   Neg   A26091   31-Mar-22   MBK AQUATIC SCIENCES, INC.   1,400.00   IRWD Check   Neg   A26093   31-Mar-22   MBK ENGINEERS   13,131.50   IRWD Check   Neg   A26093   31-Mar-22   MBK ENGINEERS   13,131.50   IRWD Check   Neg   A26093   31-Mar-22   MCCROMETER, INC.   2,725.11   IRWD Check   Neg   A26094   31-Mar-22   MCCROMETER, INC.   2,725.11   IRWD Check   Neg   A26095   31-Mar-22   MILES CHEMICAL COMPANY, INC.   5,937.17   IRWD Check   Neg   A26095   31-Mar-22   MILES CHEMICAL COMPANY, INC.   5,337.17   IRWD Check   Neg   A26096   31-Mar-22   MISSION COMMUNICATIONS, LLC   1,162.80   IRWD Check   Neg   A26098   31-Mar-22   MYERS & SONS HI-WAY SAFETY, INC.   3,511.20   IRWD Check   Neg   A26099   31-Mar-22   NATURALWELL, LLC   2,117.50   IRWD Check   Neg   A26100   31-Mar-22   OREILLY AUTO ENTERPRISES, LLC   2,117.50   IRWD Check   Neg   A26100   31-Mar-22   ONESOURCE DISTRIBUTORS LLC   2,149.21   IRWD Check   Neg   A26101   31-Mar-22   ONESOURCE DISTRIBUTORS LLC   16,499.03   IRWD Check   Neg   A26104   31-Mar-22   ORANGE COUNTY PRODUCE   661.12   IRWD Check   Neg   A26104   31-Mar-22   ORANGE COUNTY PRODUCE   661.12   IRWD Check   Neg   A26107   31-Mar-22   ORANGE COUNTY PRODUCE   67.753.11   IRWD Check   Neg   A26107   31-Mar-22   ORANGE COUNTY PRODUCE   67.753.11   IRWD Check   Neg   A26107   31-Mar-22   ORANGE LURIO COMPANY   2,870.75   IRWD Check   Neg   A26107   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   A26107   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   A26107   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   A26110   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   A26110   31-Mar-22   PACIFIC COAST BOLT CORP   A26110   A26111   A26004   A26111   A26004				17.27		Negotiable
426090   31-Mar-22   MANSKE, BARBARA   488.36   IRWD Check   Neg   426092   31-Mar-22   MBC AQUATIC SCIENCES, INC.   1,400.00   IRWD Check   Neg   426093   31-Mar-22   MC FADDEN-DALE INDUSTRIAL   91.85   IRWD Check   Neg   426094   31-Mar-22   MC FADDEN-DALE INDUSTRIAL   91.85   IRWD Check   Neg   426095   31-Mar-22   MC FADDEN-DALE INDUSTRIAL   91.85   IRWD Check   Neg   426095   31-Mar-22   MILES CHEMICAL COMPANY, INC.   5,937.17   IRWD Check   Neg   426096   31-Mar-22   MILES CHEMICAL COMPANY, INC.   5,937.17   IRWD Check   Neg   426097   31-Mar-22   MISSION COMMUNICATIONS, LLC   1,162.80   IRWD Check   Neg   426097   31-Mar-22   MISSION COMMUNICATIONS, LLC   1,162.80   IRWD Check   Neg   426099   31-Mar-22   MISSION COMMUNICATIONS, LLC   2,117.50   IRWD Check   Neg   426099   31-Mar-22   NATURALWELL, LLC   2,117.50   IRWD Check   Neg   426010   31-Mar-22   ONESOURCE DISTRIBUTORS LLC   2,117.50   IRWD Check   Neg   426101   31-Mar-22   ONESOURCE DISTRIBUTORS LLC   16,499.03   IRWD Check   Neg   426101   31-Mar-22   ONESOURCE DISTRIBUTORS LLC   16,499.03   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426104   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426106   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426106   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426107   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   426107   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   2,661.53   IRWD Check   Neg   426107   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   2,661.53   IRWD Check   Neg   426110   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,372.17   IRWD Check   Neg   426111   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,372.17   IRWD Check   Neg   426111   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,372.17   IRWD Check   Neg   426111   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,372.17   IRWD Check   Neg   426113   31-Mar-22   PACIFIC STAR CHEMICA	426088	31-Mar-22	LYONS, ROBERT AND NANCY	162.41	IRWD Check	Negotiable
426091   31-Mar-22   MBC AQUATIC SCIENCES, INC.   1,400.00   IRWD Check   Neg   426092   31-Mar-22   MBK ENGINEERS   31,313.15   IRWD Check   Neg   426093   31-Mar-22   MCR ADDEN-DALE INDUSTRIAL   91.85   IRWD Check   Neg   426094   31-Mar-22   MCCROMETER, INC.   2,725.11   IRWD Check   Neg   426095   31-Mar-22   MILES CHEMICAL COMPANY, INC.   5,937.17   IRWD Check   Neg   426096   31-Mar-22   MILES CHEMICAL COMPANY, INC.   5,937.17   IRWD Check   Neg   426096   31-Mar-22   MISSION COMMUNICATION, LLC   1,162.80   IRWD Check   Neg   426098   31-Mar-22   MISSION COMMUNICATION, LLC   1,162.80   IRWD Check   Neg   426099   31-Mar-22   NATURALWELL, LLC   2,117.50   IRWD Check   Neg   426099   31-Mar-22   NATURALWELL, LLC   2,117.50   IRWD Check   Neg   426101   31-Mar-22   OREILLY AUTO ENTERPRISES, LLC   214.92   IRWD Check   Neg   426101   31-Mar-22   OREILLY AUTO ENTERPRISES, LLC   214.92   IRWD Check   Neg   426102   31-Mar-22   ORESOURCE DISTRIBUTORS LLC   16,499.03   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY PRODUCE   66.112   IRWD Check   Neg   426104   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426105   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426106   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426106   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426106   31-Mar-22   PACIFIC CASTA BOLT CORP   6,816.29   IRWD Check   Neg   426106   31-Mar-22   PACIFIC CASTA BOLT CORP   6,816.29   IRWD Check   Neg   426106   31-Mar-22   PACIFIC CASTA BOLT CORP   6,816.29   IRWD Check   Neg   426106   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   2,661.53   IRWD Check   Neg   426110   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   2,661.53   IRWD Check   Neg   426112   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,630.00   IRWD Check   Neg   426112   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,630.00   IRWD Check   Neg   426114   31-Mar-22   PACIFIC STAR CHEMICAL STAR CHEMICAL STAR CHEMI	426089	31-Mar-22	MALOFF, SCOTT	25.67	IRWD Check	Negotiable
426092   31-Mar-22	426090	31-Mar-22	MANSKE, BARBARA	488.36	IRWD Check	Negotiable
426093   31-Mar-22   MC FADDEN-DALE INDUSTRIAL   91.85   IRWD Check   Neg   426094   31-Mar-22   MCCROMETER, INC.   2,775.11   IRWD Check   Neg   426095   31-Mar-22   MIRES CHEMICAL COMPANY, INC.   5,937.17   IRWD Check   Neg   426096   31-Mar-22   MINASYAN, SEROB   63.88   IRWD Check   Neg   426097   31-Mar-22   MINASYAN, SEROB   63.88   IRWD Check   Neg   426098   31-Mar-22   MISSION COMMUNICATIONS, LLC   1,162.80   IRWD Check   Neg   426099   31-Mar-22   NATURALWELL, LLC   2,117.50   IRWD Check   Neg   426099   31-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   2,117.50   IRWD Check   Neg   426100   31-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   21.492   IRWD Check   Neg   426101   31-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   26.810.0   IRWD Check   Neg   426102   31-Mar-22   ORANGE COUNTY PRODUCE   661.12   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY PRODUCE   661.12   IRWD Check   Neg   426104   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426105   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426105   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   426107   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   426108   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   426109   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   2,661.53   IRWD Check   Neg   426110   31-Mar-22   PACIFIC MECHANICAL SUPPLY   473.60   IRWD Check   Neg   426110   31-Mar-22   PARKEN HANNIFIN CORPORATION   11,012.33   IRWD Check   Neg   426110   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,372.17   IRWD Check   Neg   426113   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,372.17   IRWD Check   Neg   426113   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,372.17   IRWD Check   Neg   426113   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,372.17   IRWD Check   Neg   426113   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,372.17   IRWD Check   Neg   426113   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   3,372.17   IRWD Check   Neg   426114   31	426091	31-Mar-22	MBC AQUATIC SCIENCES, INC.	1,400.00	IRWD Check	Negotiable
426094         31-Mar-22         MCCROMETER, INC.         2,725.11         IRWD Check         Neg           426095         31-Mar-22         MILES CHEMICAL COMPANY, INC.         5,937.17         IRWD Check         Neg           426096         31-Mar-22         MINASYAN, SEROB         63.88         IRWD Check         Neg           426097         31-Mar-22         MYERS & SONS HI-WAY SAFETY, INC.         1,162.80         IRWD Check         Neg           426098         31-Mar-22         OYERLIY AUTO ENTERPRISES, LLC         2,117.50         IRWD Check         Neg           426100         31-Mar-22         OYERLIY AUTO ENTERPRISES, LLC         214.92         IRWD Check         Neg           426101         31-Mar-22         OYERLIY AUTO ENTERPRISES, LLC         214.92         IRWD Check         Neg           426102         31-Mar-22         OYERLIY AUTO ENTERPRISES, LLC         214.92         IRWD Check         Neg           426101         31-Mar-22         OYERLIY AUTO ENTERPRISES, LLC         214.92         IRWD Check         Neg           426102         31-Mar-22         OYERLIY AUTO ENTERPRISES, LLC         16,499.03         IRWD Check         Neg           426103         31-Mar-22         ORANGE COUNTY SANITATION         15TRIC         16,51.12		31-Mar-22	MBK ENGINEERS		IRWD Check	Negotiable
426095   31-Mar-22   MILES CHEMICAL COMPANY, INC.   5,937.17   IRWD Check   Neg   426096   31-Mar-22   MINASYAN, SEROB   63.88   IRWD Check   Neg   426097   31-Mar-22   MISSION COMMUNICATIONS, LLC   1,162.80   IRWD Check   Neg   426098   31-Mar-22   MYERS & SONS HI-WAY SAFETY, INC.   3,511.20   IRWD Check   Neg   426099   31-Mar-22   NATURALWELL, LLC   2,117.50   IRWD Check   Neg   426010   31-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   2,117.50   IRWD Check   Neg   426101   31-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   2,117.50   IRWD Check   Neg   426102   31-Mar-22   OLIN CORPORATION   26,581.00   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY PRODUCE   661.12   IRWD Check   Neg   426104   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426104   31-Mar-22   ORANGE LINE OIL COMPANY   2,870.75   IRWD Check   Neg   426105   31-Mar-22   ORANGE LINE OIL COMPANY   2,870.75   IRWD Check   Neg   426106   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   426106   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   426108   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   2,661.53   IRWD Check   Neg   426109   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   2,661.53   IRWD Check   Neg   426110   31-Mar-22   PARKER HANNIFIN CORPORATION   11,012.33   IRWD Check   Neg   426111   31-Mar-22   PARKER HANNIFIN CORPORATION   11,012.33   IRWD Check   Neg   426111   31-Mar-22   PARKER HEALTH SCIENCES INC   3,372.17   IRWD Check   Neg   426114   31-Mar-22   PERKINELMER HEALTH SCIENCES INC   639.94   IRWD Check   Neg   426114   31-Mar-22   PERKINELMER HEALTH SCIENCES INC   639.94   IRWD Check   Neg   426116   31-Mar-22   PERKINELMER HEALTH SCIENCES INC   639.94   IRWD Check   Neg   426116   31-Mar-22   PRONTO GYM SERVICES, INC   398.82   IRWD Check   Neg   426117   31-Mar-22   RAM AIR ENGINEERING INC   398.82   IRWD Check   Neg   426116   31-Mar-22   REFIGERATION SUPPLIES DISTRIBUTOR   478.00   IRWD Check   Neg   426120   31-Mar-22   RAM AIR ENGINEERING INC   Neg   426122						Negotiable
426096         31-Mar-22         MINASYAN, SEROB         63.88         IRWD Check         Neg           426097         31-Mar-22         MISSION COMMUNICATIONS, LLC         1,162.80         IRWD Check         Neg           426098         31-Mar-22         MYERS & SONS HI-WAY SAFETY, INC.         3,511.20         IRWD Check         Neg           426099         31-Mar-22         ORTURALWELL, LLC         2,117.50         IRWD Check         Neg           426100         31-Mar-22         O'RELITY AUTO ENTERPRISES, LLC         214.92         IRWD Check         Neg           426101         31-Mar-22         O'RELITY AUTO ENTERPRISES, LLC         214.92         IRWD Check         Neg           426102         31-Mar-22         O'RELITY AUTO ENTERPRISES, LLC         214.92         IRWD Check         Neg           426103         31-Mar-22         O'RENGE LING CHANTY         AUTO ENTERPRISES, LLC         16,499.03         IRWD Check         Neg           426103         31-Mar-22         O'RANGE LING DIL COMP         661.12         IRWD Check         Neg           426104         31-Mar-22         O'RANGE LING DIL COMP         6,816.29         IRWD Check         Neg           426105         31-Mar-22         PACIFIC COAST BOLT CORP         6,816.29         IRWD						Negotiable
426097   31-Mar-22   MISSION COMMUNICATIONS, LLC   1,162.80   IRWD Check   Neg   426098   31-Mar-22   MYERS & SONS HI-WAY SAFETY, INC.   3,511.20   IRWD Check   Neg   426099   31-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   2,117.50   IRWD Check   Neg   426100   31-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   214.92   IRWD Check   Neg   426101   31-Mar-22   OLIN CORPORATION   26,581.00   IRWD Check   Neg   426102   31-Mar-22   ORANGE COUNTY PRODUCE   661.12   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426104   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426106   31-Mar-22   ORANGE LINC OLORPANY   2,870.75   IRWD Check   Neg   426106   31-Mar-22   ORANGE LINC OLORPANY   2,870.75   IRWD Check   Neg   426107   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   426108   31-Mar-22   PACIFIC COAST BOLT CORP   473.60   IRWD Check   Neg   426109   31-Mar-22   PACIFIC STAR CHEMICAL, LLC   2,661.53   IRWD Check   Neg   426109   31-Mar-22   PARKER HANNIFIN CORPORATION   11,012.33   IRWD Check   Neg   426110   31-Mar-22   PARKER HANNIFIN CORPORATION   11,012.33   IRWD Check   Neg   426111   31-Mar-22   PARKEN HANNIFIN CORPORATION   11,012.33   IRWD Check   Neg   426112   31-Mar-22   PARKEN HANNIFIN CORPORATION   11,012.33   IRWD Check   Neg   426113   31-Mar-22   PARKEN HANNIFIN CORPORATION   17,835.64   IRWD Check   Neg   426114   31-Mar-22   PARKEN HANNIFIN CORPORATION   13,240.04   IRWD Check   Neg   426114   31-Mar-22   PARKEN HANNIFIN CORPORATION   13,240.04   IRWD Check   Neg   426116   31-Mar-22   PARKEN HANNIFIN CORPORATION   13,240.04   IRWD Check   Neg   426116   31-Mar-22   PRONTIO GYM SERVICES, INC.   398.82   IRWD Check   Neg   426116   31-Mar-22   PRONTIO GYM SERVICES, INC.   398.82   IRWD Check   Neg   426116   31-Mar-22   REFRIGERATION SUPPLIES DISTRIBUTOR   470.00   IRWD Check   Neg   426117   31-Mar-22   REFRIGERATION SUPPLIES DISTRIBUTOR   470.00   IRWD Check   Neg   426120   31-Mar-22   REFRIG			,			Negotiable
426098   31-Mar-22						Negotiable
426099   31-Mar-22			,	•		Negotiable
426100   31-Mar-22   O'REILLY AUTO ENTERPRISES, LLC   214.92   IRWD Check   Neg   426101   31-Mar-22   OLIN CORPORATION   26,581.00   IRWD Check   Neg   426102   31-Mar-22   ONESOURCE DISTRIBUTORS LLC   16,499.03   IRWD Check   Neg   426103   31-Mar-22   ORANGE COUNTY PRODUCE   661.12   IRWD Check   Neg   426104   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426105   31-Mar-22   ORANGE COUNTY SANITATION DISTRICT   52,753.11   IRWD Check   Neg   426106   31-Mar-22   ORANGE LINE OIL COMPANY   2,870.75   IRWD Check   Neg   426106   31-Mar-22   PACIFIC COAST BOLT CORP   6,816.29   IRWD Check   Neg   426107   31-Mar-22   PACIFIC MECHANICAL SUPPLY   473.60   IRWD Check   Neg   426108   31-Mar-22   PARKER HANNIFIN CORPORATION   11,012.33   IRWD Check   Neg   426100   31-Mar-22   PARKER HANNIFIN CORPORATION   11,012.33   IRWD Check   Neg   426110   31-Mar-22   PARKER HANNIFIN CORPORATION   11,012.33   IRWD Check   Neg   426111   31-Mar-22   PAULUS ENGINEERING, INC.   100,480.06   IRWD Check   Neg   426112   31-Mar-22   PAWENTUS GROUP INC.   100,480.06   IRWD Check   Neg   426113   31-Mar-22   PARKEN HANTING LLC.   763.55   IRWD Check   Neg   426114   31-Mar-22   PARKEN HANTING LLC.   763.55   IRWD Check   Neg   426115   31-Mar-22   PRICERENING LLC.   763.55   IRWD Check   Neg   426116   31-Mar-22   PRICERENING LLC.   763.55   IRWD Check   Neg   426116   31-Mar-22   PRICERENING LLC.   763.55   IRWD Check   Neg   426116   31-Mar-22   RAM AIR ENGINEERING INC.   10,045.54   IRWD Check   Neg   426116   31-Mar-22   RAM AIR ENGINEERING INC.   26,307.00   IRWD Check   Neg   426118   31-Mar-22   REFRIGERATION SUPPLIES DISTRIBUTOR   873.20   IRWD Check   Neg   426120   31-Mar-22   REFRIGERATION SUPPLIES DISTRIBUTOR   873.20   IRWD Check   Neg   426121   31-Mar-22   SAPTY-KLEEN SYSTEMS, INC   242.50   IRWD Check   Neg   426123   31-Mar-22   SANTA MARGARITA FORD   1,365.72   IRWD Check   Neg   426123   31-Mar-22   SANTA MARGARITA FORD   1,365.72   IRWD Check   Neg   426123   31-Mar-22   SANTA MA			•			Negotiable Negotiable
426101         31-Mar-22         OLIN CORPORATION         26,581.00         IRWD Check         Neg           426102         31-Mar-22         ONESOURCE DISTRIBUTORS LLC         16,499.03         IRWD Check         Neg           426103         31-Mar-22         ORANGE COUNTY PRODUCE         661.12         IRWD Check         Neg           426104         31-Mar-22         ORANGE COUNTY SANITATION DISTRICT         52,753.11         IRWD Check         Neg           426105         31-Mar-22         ORANGE LINE OIL COMPANY         2,870.75         IRWD Check         Neg           426106         31-Mar-22         PACIFIC COAST BOLT CORP         6,816.29         IRWD Check         Neg           426107         31-Mar-22         PACIFIC MECHANICAL SUPPLY         473.60         IRWD Check         Neg           426108         31-Mar-22         PACIFIC MECHANICAL SUPPLY         473.60         IRWD Check         Neg           426109         31-Mar-22         PACIFIC MECHANICAL SUPPLY         473.60         IRWD Check         Neg           426110         31-Mar-22         PARKER HANNIFIN CORPORATION         11,012.33         IRWD Check         Neg           426111         31-Mar-22         PARKHOUSE TIRE INC         3,372.17         IRWD Check         Neg						Negotiable
426102         31-Mar-22         ONESOURCE DISTRIBUTORS LLC         16,499.03         IRWD Check         Neg           426103         31-Mar-22         ORANGE COUNTY PRODUCE         661.12         IRWD Check         Neg           426104         31-Mar-22         ORANGE COUNTY SANITATION DISTRICT         52,753.11         IRWD Check         Neg           426105         31-Mar-22         ORANGE LINE OIL COMPANY         2,870.75         IRWD Check         Neg           426106         31-Mar-22         PACIFIC COAST BOLT CORP         6,816.29         IRWD Check         Neg           426107         31-Mar-22         PACIFIC MECHANICAL SUPPLY         473.60         IRWD Check         Neg           426108         31-Mar-22         PACIFIC STAR CHEMICAL, LLC         2,661.53         IRWD Check         Neg           426109         31-Mar-22         PARKER HANNIFIN CORPORATION         11,012.33         IRWD Check         Neg           426110         31-Mar-22         PARKHOLSERING, INC.         3,372.17         IRWD Check         Neg           426111         31-Mar-22         PAYMENTUS GROUP INC.         10,480.06         IRWD Check         Neg           426113         31-Mar-22         PERKINELMER HEALTH SCIENCES INC         639.94         IRWD Check <t< td=""><td></td><td></td><td></td><td></td><td></td><td>Negotiable</td></t<>						Negotiable
426103         31-Mar-22         ORANGE COUNTY PRODUCE         661.12         IRWD Check         Neg           426104         31-Mar-22         ORANGE COUNTY SANITATION DISTRICT         52,753.11         IRWD Check         Neg           426105         31-Mar-22         ORANGE LINE OIL COMPANY         2,870.75         IRWD Check         Neg           426106         31-Mar-22         PACIFIC COAST BOLT CORP         6,816.29         IRWD Check         Neg           426107         31-Mar-22         PACIFIC MECHANICAL SUPPLY         473.60         IRWD Check         Neg           426108         31-Mar-22         PACIFIC STAR CHEMICAL, LLC         2,661.53         IRWD Check         Neg           426109         31-Mar-22         PARKER HANNIFIN CORPORATION         11,012.33         IRWD Check         Neg           426110         31-Mar-22         PARKHOUSE TIRE INC         3,372.17         IRWD Check         Neg           426112         31-Mar-22         PAULUS ENGINEERING, INC.         100,480.06         IRWD Check         Neg           426112         31-Mar-22         PAYMENTUS GROUP INC.         71,835.64         IRWD Check         Neg           426113         31-Mar-22         PERKINELMER HEALTH SCIENCES INC         639.94         IRWD Check						Negotiable
426104       31-Mar-22       ORANGE COUNTY SANITATION DISTRICT       52,753.11       IRWD Check       Neg         426105       31-Mar-22       ORANGE LINE OIL COMPANY       2,870.75       IRWD Check       Neg         426106       31-Mar-22       PACIFIC COAST BOLT CORP       6,816.29       IRWD Check       Neg         426107       31-Mar-22       PACIFIC MECHANICAL SUPPLY       473.60       IRWD Check       Neg         426108       31-Mar-22       PACIFIC STAR CHEMICAL, LLC       2,661.53       IRWD Check       Neg         426109       31-Mar-22       PARKER HANNIFIN CORPORATION       11,012.33       IRWD Check       Neg         426110       31-Mar-22       PARKER HANNIFIN CORPORATION       110,480.06       IRWD Check       Neg         426111       31-Mar-22       PAULUS ENGINEERING, INC.       100,480.06       IRWD Check       Neg         426112       31-Mar-22       PAYMENTUS GROUP INC.       71,835.64       IRWD Check       Neg         426113       31-Mar-22       PERKINELMER HEALTH SCIENCES INC       639.94       IRWD Check       Neg         426114       31-Mar-22       PROE ENGINEERING LLC.       763.55       IRWD Check       Neg         426115       31-Mar-22       PRONTO GYM SERVICES, INC.<						Negotiable
426105       31-Mar-22       ORANGE LINE OIL COMPANY       2,870.75       IRWD Check       Neg         426106       31-Mar-22       PACIFIC COAST BOLT CORP       6,816.29       IRWD Check       Neg         426107       31-Mar-22       PACIFIC MECHANICAL SUPPLY       473.60       IRWD Check       Neg         426108       31-Mar-22       PACIFIC STAR CHEMICAL, LLC       2,661.53       IRWD Check       Neg         426109       31-Mar-22       PARKER HANNIFIN CORPORATION       11,012.33       IRWD Check       Neg         426110       31-Mar-22       PARKER HANNIFIN CORPORATION       11,012.33       IRWD Check       Neg         426111       31-Mar-22       PARKHOUSE TIRE INC       3,372.17       IRWD Check       Neg         426112       31-Mar-22       PAYMENTUS GROUP INC.       100,480.06       IRWD Check       Neg         426113       31-Mar-22       PERKINELMER HEALTH SCIENCES INC       639.94       IRWD Check       Neg         426114       31-Mar-22       PMC ENGINEERING LLC.       763.55       IRWD Check       Neg         426115       31-Mar-22       PRIME CONTROLS COMPANY INC       13,240.04       IRWD Check       Neg         426116       31-Mar-22       RAM AIR ENGINEERING INC       10,						Negotiable
426106       31-Mar-22       PACIFIC COAST BOLT CORP       6,816.29       IRWD Check       Neg         426107       31-Mar-22       PACIFIC MECHANICAL SUPPLY       473.60       IRWD Check       Neg         426108       31-Mar-22       PACIFIC STAR CHEMICAL, LLC       2,661.53       IRWD Check       Neg         426109       31-Mar-22       PARKER HANNIFIN CORPORATION       11,012.33       IRWD Check       Neg         426110       31-Mar-22       PARKHOUSE TIRE INC       3,372.17       IRWD Check       Neg         426111       31-Mar-22       PAULUS ENGINEERING, INC.       100,480.06       IRWD Check       Neg         426112       31-Mar-22       PAYMENTUS GROUP INC.       71,835.64       IRWD Check       Neg         426113       31-Mar-22       PERKINELMER HEALTH SCIENCES INC       639.94       IRWD Check       Neg         426114       31-Mar-22       PMC ENGINEERING LLC.       763.55       IRWD Check       Neg         426115       31-Mar-22       PRIME CONTROLS COMPANY INC       13,240.04       IRWD Check       Neg         426116       31-Mar-22       PRONTO GYM SERVICES, INC.       398.82       IRWD Check       Neg         426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26						Negotiable
426108       31-Mar-22       PACIFIC STAR CHEMICAL, LLC       2,661.53       IRWD Check       Neg         426109       31-Mar-22       PARKER HANNIFIN CORPORATION       11,012.33       IRWD Check       Neg         426110       31-Mar-22       PARKHOUSE TIRE INC       3,372.17       IRWD Check       Neg         426111       31-Mar-22       PAULUS ENGINEERING, INC.       100,480.06       IRWD Check       Neg         426112       31-Mar-22       PAYMENTUS GROUP INC.       71,835.64       IRWD Check       Neg         426113       31-Mar-22       PERKINELMER HEALTH SCIENCES INC       639.94       IRWD Check       Neg         426114       31-Mar-22       PMC ENGINEERING LLC.       763.55       IRWD Check       Neg         426115       31-Mar-22       PRIME CONTROLS COMPANY INC       13,240.04       IRWD Check       Neg         426116       31-Mar-22       PRONTO GYM SERVICES, INC.       398.82       IRWD Check       Neg         426117       31-Mar-22       RAM AIR ENGINEERING INC       10,094.54       IRWD Check       Neg         426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26,307.00       IRWD Check       Neg         426120       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR	426106	31-Mar-22	PACIFIC COAST BOLT CORP	6,816.29	IRWD Check	Negotiable
426109       31-Mar-22       PARKER HANNIFIN CORPORATION       11,012.33       IRWD Check       Neg         426110       31-Mar-22       PARKHOUSE TIRE INC       3,372.17       IRWD Check       Neg         426111       31-Mar-22       PAULUS ENGINEERING, INC.       100,480.06       IRWD Check       Neg         426112       31-Mar-22       PAYMENTUS GROUP INC.       71,835.64       IRWD Check       Neg         426113       31-Mar-22       PERKINELMER HEALTH SCIENCES INC       639.94       IRWD Check       Neg         426114       31-Mar-22       PMC ENGINEERING LLC.       763.55       IRWD Check       Neg         426115       31-Mar-22       PRIME CONTROLS COMPANY INC       13,240.04       IRWD Check       Neg         426116       31-Mar-22       PRONTO GYM SERVICES, INC.       398.82       IRWD Check       Neg         426117       31-Mar-22       RAM AIR ENGINEERING INC       10,094.54       IRWD Check       Neg         426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26,307.00       IRWD Check       Neg         426119       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR       873.20       IRWD Check       Neg         426120       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC	426107	31-Mar-22	PACIFIC MECHANICAL SUPPLY	473.60	IRWD Check	Negotiable
426110       31-Mar-22       PARKHOUSE TIRE INC       3,372.17       IRWD Check       Neg         426111       31-Mar-22       PAULUS ENGINEERING, INC.       100,480.06       IRWD Check       Neg         426112       31-Mar-22       PAYMENTUS GROUP INC.       71,835.64       IRWD Check       Neg         426113       31-Mar-22       PERKINELMER HEALTH SCIENCES INC       639.94       IRWD Check       Neg         426114       31-Mar-22       PMC ENGINEERING ILC.       763.55       IRWD Check       Neg         426115       31-Mar-22       PRIME CONTROLS COMPANY INC       13,240.04       IRWD Check       Neg         426116       31-Mar-22       PRONTO GYM SERVICES, INC.       398.82       IRWD Check       Neg         426117       31-Mar-22       RAM AIR ENGINEERING INC       10,094.54       IRWD Check       Neg         426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26,307.00       IRWD Check       Neg         426119       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR       873.20       IRWD Check       Neg         426120       31-Mar-22       RLG ENTERPRISES, INC       1,170.00       IRWD Check       Neg         426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC	426108	31-Mar-22	PACIFIC STAR CHEMICAL, LLC	2,661.53	IRWD Check	Negotiable
426111       31-Mar-22       PAULUS ENGINEERING, INC.       100,480.06       IRWD Check       Neg         426112       31-Mar-22       PAYMENTUS GROUP INC.       71,835.64       IRWD Check       Neg         426113       31-Mar-22       PERKINELMER HEALTH SCIENCES INC       639.94       IRWD Check       Neg         426114       31-Mar-22       PMC ENGINEERING LLC.       763.55       IRWD Check       Neg         426115       31-Mar-22       PRIME CONTROLS COMPANY INC       13,240.04       IRWD Check       Neg         426116       31-Mar-22       PRONTO GYM SERVICES, INC.       398.82       IRWD Check       Neg         426117       31-Mar-22       RAM AIR ENGINEERING INC       10,094.54       IRWD Check       Neg         426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26,307.00       IRWD Check       Neg         426119       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR       873.20       IRWD Check       Neg         426120       31-Mar-22       RIG ENTERPRISES, INC       1,170.00       IRWD Check       Neg         426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC       242.50       IRWD Check       Neg         426122       31-Mar-22       SANTA ANA BLUE PRINT	426109	31-Mar-22	PARKER HANNIFIN CORPORATION	11,012.33	IRWD Check	Negotiable
426112       31-Mar-22       PAYMENTUS GROUP INC.       71,835.64       IRWD Check       Neg         426113       31-Mar-22       PERKINELMER HEALTH SCIENCES INC       639.94       IRWD Check       Neg         426114       31-Mar-22       PMC ENGINEERING LLC.       763.55       IRWD Check       Neg         426115       31-Mar-22       PRIME CONTROLS COMPANY INC       13,240.04       IRWD Check       Neg         426116       31-Mar-22       PRONTO GYM SERVICES, INC.       398.82       IRWD Check       Neg         426117       31-Mar-22       RAM AIR ENGINEERING INC       10,094.54       IRWD Check       Neg         426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26,307.00       IRWD Check       Neg         426119       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR       873.20       IRWD Check       Neg         426120       31-Mar-22       RLG ENTERPRISES, INC       1,170.00       IRWD Check       Neg         426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC       242.50       IRWD Check       Neg         426122       31-Mar-22       SANTA ANA BLUE PRINT       1,310.95       IRWD Check       Neg         426123       31-Mar-22       SANTA MARGARITA FORD       1,365.	426110	31-Mar-22	PARKHOUSE TIRE INC	3,372.17	IRWD Check	Negotiable
426113       31-Mar-22       PERKINELMER HEALTH SCIENCES INC       639.94       IRWD Check       Neg         426114       31-Mar-22       PMC ENGINEERING LLC.       763.55       IRWD Check       Neg         426115       31-Mar-22       PRIME CONTROLS COMPANY INC       13,240.04       IRWD Check       Neg         426116       31-Mar-22       PRONTO GYM SERVICES, INC.       398.82       IRWD Check       Neg         426117       31-Mar-22       RAM AIR ENGINEERING INC       10,094.54       IRWD Check       Neg         426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26,307.00       IRWD Check       Neg         426119       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR       873.20       IRWD Check       Neg         426120       31-Mar-22       RLG ENTERPRISES, INC       1,170.00       IRWD Check       Neg         426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC       242.50       IRWD Check       Neg         426122       31-Mar-22       SANTA ANA BLUE PRINT       1,310.95       IRWD Check       Neg         426123       31-Mar-22       SANTA MARGARITA FORD       1,365.72       IRWD Check       Neg						Negotiable
426114       31-Mar-22       PMC ENGINEERING LLC.       763.55       IRWD Check       Neg         426115       31-Mar-22       PRIME CONTROLS COMPANY INC       13,240.04       IRWD Check       Neg         426116       31-Mar-22       PRONTO GYM SERVICES, INC.       398.82       IRWD Check       Neg         426117       31-Mar-22       RAM AIR ENGINEERING INC       10,094.54       IRWD Check       Neg         426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26,307.00       IRWD Check       Neg         426119       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR       873.20       IRWD Check       Neg         426120       31-Mar-22       RLG ENTERPRISES, INC       1,170.00       IRWD Check       Neg         426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC       242.50       IRWD Check       Neg         426122       31-Mar-22       SANTA ANA BLUE PRINT       1,310.95       IRWD Check       Neg         426123       31-Mar-22       SANTA MARGARITA FORD       1,365.72       IRWD Check       Neg						Negotiable
426115       31-Mar-22       PRIME CONTROLS COMPANY INC       13,240.04       IRWD Check       Neg         426116       31-Mar-22       PRONTO GYM SERVICES, INC.       398.82       IRWD Check       Neg         426117       31-Mar-22       RAM AIR ENGINEERING INC       10,094.54       IRWD Check       Neg         426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26,307.00       IRWD Check       Neg         426119       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR       873.20       IRWD Check       Neg         426120       31-Mar-22       RLG ENTERPRISES, INC       1,170.00       IRWD Check       Neg         426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC       242.50       IRWD Check       Neg         426122       31-Mar-22       SANTA ANA BLUE PRINT       1,310.95       IRWD Check       Neg         426123       31-Mar-22       SANTA MARGARITA FORD       1,365.72       IRWD Check       Neg						Negotiable
426116       31-Mar-22       PRONTO GYM SERVICES, INC.       398.82       IRWD Check       Neg         426117       31-Mar-22       RAM AIR ENGINEERING INC       10,094.54       IRWD Check       Neg         426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26,307.00       IRWD Check       Neg         426119       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR       873.20       IRWD Check       Neg         426120       31-Mar-22       RLG ENTERPRISES, INC       1,170.00       IRWD Check       Neg         426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC       242.50       IRWD Check       Neg         426122       31-Mar-22       SANTA ANA BLUE PRINT       1,310.95       IRWD Check       Neg         426123       31-Mar-22       SANTA MARGARITA FORD       1,365.72       IRWD Check       Neg						Negotiable
426117       31-Mar-22       RAM AIR ENGINEERING INC       10,094.54       IRWD Check       Neg         426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26,307.00       IRWD Check       Neg         426119       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR       873.20       IRWD Check       Neg         426120       31-Mar-22       RLG ENTERPRISES, INC       1,170.00       IRWD Check       Neg         426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC       242.50       IRWD Check       Neg         426122       31-Mar-22       SANTA ANA BLUE PRINT       1,310.95       IRWD Check       Neg         426123       31-Mar-22       SANTA MARGARITA FORD       1,365.72       IRWD Check       Neg				,		Negotiable
426118       31-Mar-22       REAL WATER CONSULTANTS INC.       26,307.00       IRWD Check       Neg         426119       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR       873.20       IRWD Check       Neg         426120       31-Mar-22       RLG ENTERPRISES, INC       1,170.00       IRWD Check       Neg         426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC       242.50       IRWD Check       Neg         426122       31-Mar-22       SANTA ANA BLUE PRINT       1,310.95       IRWD Check       Neg         426123       31-Mar-22       SANTA MARGARITA FORD       1,365.72       IRWD Check       Neg						Negotiable
426119       31-Mar-22       REFRIGERATION SUPPLIES DISTRIBUTOR       873.20       IRWD Check       Neg         426120       31-Mar-22       RLG ENTERPRISES, INC       1,170.00       IRWD Check       Neg         426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC       242.50       IRWD Check       Neg         426122       31-Mar-22       SANTA ANA BLUE PRINT       1,310.95       IRWD Check       Neg         426123       31-Mar-22       SANTA MARGARITA FORD       1,365.72       IRWD Check       Neg						Negotiable Negotiable
426120       31-Mar-22       RLG ENTERPRISES, INC       1,170.00       IRWD Check       Neg         426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC       242.50       IRWD Check       Neg         426122       31-Mar-22       SANTA ANA BLUE PRINT       1,310.95       IRWD Check       Neg         426123       31-Mar-22       SANTA MARGARITA FORD       1,365.72       IRWD Check       Neg						Negotiable
426121       31-Mar-22       SAFETY-KLEEN SYSTEMS, INC       242.50       IRWD Check       Neg         426122       31-Mar-22       SANTA ANA BLUE PRINT       1,310.95       IRWD Check       Neg         426123       31-Mar-22       SANTA MARGARITA FORD       1,365.72       IRWD Check       Neg						Negotiable
426122       31-Mar-22       SANTA ANA BLUE PRINT       1,310.95       IRWD Check       Neg         426123       31-Mar-22       SANTA MARGARITA FORD       1,365.72       IRWD Check       Neg						Negotiable
426123 31-Mar-22 SANTA MARGARITA FORD 1,365.72 IRWD Check Neg						Negotiable
		31-Mar-22	SANTA MARGARITA FORD			Negotiable
	426124		SCHINDLER ELEVATOR CORPORATION		IRWD Check	Negotiable
426125 31-Mar-22 SEAL ANALYTICAL INC 49,483.06 IRWD Check Neg	426125	31-Mar-22	SEAL ANALYTICAL INC	49,483.06	IRWD Check	Negotiable
·		31-Mar-22	SHAMROCK SUPPLY CO INC	167.02	IRWD Check	Negotiable
426127 31-Mar-22 SHEN, DERRICK 15.01 IRWD Check Neg	426127	31-Mar-22	SHEN, DERRICK	15.01	IRWD Check	Negotiable
·						Negotiable
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CHECK OR				PAYMENT	
ELECTRONIC #	PAYMENT DATE	SUPPLIERS	PAYMENT AMOUNT	METHOD	STATUS
426142	31-Mar-22	TRAFFIC MANAGEMENT, INC	4,882.00	IRWD Check	Negotiable
426143	31-Mar-22	UNITED PARCEL SERVICE INC	197.45	IRWD Check	Negotiable
426144	31-Mar-22	USA WASTE OF CALIFORNIA, INC.	1,319.77	IRWD Check	Negotiable
426145	31-Mar-22	VERIZON WIRELESS SERVICES LLC	19,638.31	IRWD Check	Negotiable
426146	31-Mar-22	VWR INTERNATIONAL, LLC	2,675.83	IRWD Check	Negotiable
426147	31-Mar-22	WAXIE'S ENTERPRISES, INC	1,488.03	IRWD Check	Negotiable
426148	31-Mar-22	WEST YOST & ASSOCIATES, INC.	22,328.00	IRWD Check	Negotiable
426149	31-Mar-22	WOODARD & CURRAN INC	8,380.31	IRWD Check	Negotiable
426150	31-Mar-22	WOODBRIDGE LAURELS	202.03	IRWD Check	Negotiable
426151	31-Mar-22	YOUNG KANG AND ANTHONY KANG	140.50	IRWD Check	Negotiable
SUB-TOTAL CHECK	DISBURSEMENTS		10,633,937.20		
14810	2-Mar-22	CHARD SNYDER & ASSOCIATES, INC.	1,513.45	IRWD Wire	Negotiable
14811	2-Mar-22	CALPERS	250,357.29	IRWD Wire	Negotiable
14812	11-Mar-22	CALPERS	584,988.49	IRWD Wire	Negotiable
14813	11-Mar-22	CALPERS	3,537.54	IRWD Wire	Negotiable
14814	11-Mar-22	CHARD SNYDER & ASSOCIATES, INC.	11,910.69	IRWD Wire	Negotiable
14815	11-Mar-22	CHARD SNYDER & ASSOCIATES, INC.	5,486.96	IRWD Wire	Negotiable
14816	11-Mar-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	11,427.55	IRWD Wire	Negotiable
14817	11-Mar-22	U.S. BANK NATIONAL ASSOCIATION	2,068.42	IRWD Wire	Negotiable
14818	11-Mar-22	BANK OF AMERICA	561.70	IRWD Wire	Negotiable
14819	14-Mar-22	WELLS FARGO BANK, N.A.	6,148.19	IRWD Wire	Negotiable
14820	14-Mar-22	EMPLOYMENT DEVELOPMENT DEPARTMENT	18,091.38	IRWD Wire	Negotiable
14821	14-Mar-22	EMPOWER RETIREMENT, LLC	189,065.35	IRWD Wire	Negotiable
14822	14-Mar-22	INTERNAL REVENUE SERVICE	228,016.22	IRWD Wire	Negotiable
14823	14-Mar-22	FRANCHISE TAX BOARD	71,274.98	IRWD Wire	Negotiable
14824	14-Mar-22	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	3,024.08	IRWD Wire	Negotiable
14825	14-Mar-22	CALPERS	250,311.99	IRWD Wire	Negotiable
14826	14-Mar-22	CHARD SNYDER & ASSOCIATES, INC.	1,722.42	IRWD Wire	Negotiable
14827	14-Mar-22	CHARD SNYDER & ASSOCIATES, INC.	4,584.75	IRWD Wire	Negotiable
14828	14-Mar-22	CITIGROUP GLOBAL MARKETS INC.	838,188.39	IRWD Wire	Negotiable
14829	14-Mar-22	MERRILL LYNCH CAPITAL SERVICES, INC	838,188.39	IRWD Wire	Negotiable
14830	14-Mar-22	CALPERS	1,387.34	IRWD Wire	Negotiable
14831	14-Mar-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	1,041.67	IRWD Wire	Negotiable
14832	14-Mar-22	U.S. BANK NATIONAL ASSOCIATION	686.20	IRWD Wire	Negotiable
14833	14-Mar-22	SUMITOMO MITSUI BANKING CORPORATION	5,112.88	IRWD Wire	Negotiable
14834	15-Mar-22	ORANGE COUNTY SANITATION DISTRICT	2,126,762.77	IRWD Wire	-
14835				IRWD Wire	Negotiable
	21-Mar-22	CHARD SNYDER & ASSOCIATES, INC.	4,596.98		Negotiable
14836	21-Mar-22	CHARD SNYDER & ASSOCIATES, INC.	8,775.22	IRWD Wire	Negotiable
14837	21-Mar-22	TAKIMOTO, TAKASHI	15.90	IRWD Wire	Negotiable
14838	23-Mar-22	YU, AMY	287.36	IRWD Wire	Negotiable
14839	28-Mar-22	MUNICIPAL WATER DISTRICT OF ORANGE COUNTY	827,576.13	IRWD Wire	Negotiable
14840	28-Mar-22	INTERNAL REVENUE SERVICE	232,791.12	IRWD Wire	Negotiable
14841	28-Mar-22	FRANCHISE TAX BOARD	72,389.91	IRWD Wire	Negotiable
14842	28-Mar-22	EMPOWER RETIREMENT, LLC	194,523.52	IRWD Wire	Negotiable
14843	28-Mar-22	EMPLOYMENT DEVELOPMENT DEPARTMENT	18,122.64	IRWD Wire	Negotiable
14844	28-Mar-22	CALIFORNIA DEPARTMENT OF CHILD SUPPORT SERVICES	3,024.08	IRWD Wire	Negotiable
14845	28-Mar-22	CHARD SNYDER & ASSOCIATES, INC.	4,478.11	IRWD Wire	Negotiable
14846	28-Mar-22	CHARD SNYDER & ASSOCIATES, INC.	5,294.58	IRWD Wire	Negotiable
14847	28-Mar-22	BANK OF AMERICA MERRILL LYNCH	92,666.73	IRWD Wire	Negotiable
14848	28-Mar-22	CALPERS	250,673.54	IRWD Wire	Negotiable
14849	30-Mar-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	6,042.82	IRWD Wire	Negotiable
14850	30-Mar-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	4,483.70	IRWD Wire	Negotiable
14851	30-Mar-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	5,975.27	IRWD Wire	Negotiable
14852	31-Mar-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	33,891.57	IRWD Wire	Negotiable
14853	31-Mar-22	BANK OF NEW YORK MELLON TRUST COMPANY NA	8,310.44	IRWD Wire	Negotiable
SUB-TOTAL ELECTI	RONIC DISBURSEME	INTS	7,229,378.71		
SUB-TOTAL AP CH	ECK AND ELECTRON	IIC DISBURSEMENTS	17,863,315.91		
435300	2_Mar 22	RDINTON DENNIS	2 000 11	IPWD Charle	Voidad
425298	3-Mar-22	BRINTON, DENNIS	2,090.11	IRWD Check	Voided
425572	10-Mar-22	MILLER, EDISON DISBURSEMENTS ISSUED AND VOIDED IN MARCH 2022	85.14 2 175 25	IRWD Check	Voided
SOB-TOTAL CHECK	AND ELECTRONIC	DISDONSLIVENTS ISSUED AND VOIDED IN WARCH 2022	2,175.25		
TOTAL AP DISBUR	SEMENTS AND VOID	DS FOR MARCH 2022	17,865,491.16		

### Exhibit "E"

### **MONTHLY SUMMARY OF PAYROLL ACH PAYMENTS**

March 2022

	AMOUNT	VENDOR	PURPOSE
3/11/2022 3/25/2022	1,075,319.72 1,085,113.65 <b>\$2,160,433.37</b>	BANK OF AMERICA BANK OF AMERICA	ACH Payments for Payroll ACH Payments for Payroll

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### **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-MAR-22 to 31-MAR-22

NAME	CHECK NO.	CHECK DATE	AMOUNT	ITEM DESCRIPTION	EXPENSE JUSTIFICATION
Cotton, Derrien	425985	31-Mar-22	208.92	Other(Misc)	Quarterly Supervisor/Manager lunch meeting
Hall, William	425814	24-Mar-22	288.00	Certification Renewal	Cross Connection Specialist - Backflow Prevention Device Tester
Hatch, Lauren	425451	10-Mar-22	288.00	Certification Renewal	Cross Connection Specialist - Backflow Prevention Device Tester
Kanady, Jacob	425815	24-Mar-22	115.00	Other(Misc)	Safety shoe allowance
Kulick, Michael	425270	3-Mar-22	192.00	Membership Renewal	CWEA membership
Moeder, Jacob	425660	17-Mar-22	110.00	Membership Renewal	U.S. Society on Dams (USSD) membership
Nicholson, Darin	425271	3-Mar-22	101.00	Certification Renewal	CWEA Electrical/Instrumentation Technician Grade III
Orozco, Gustavo	425988	31-Mar-22	192.00	Membership Renewal	CWEA membership
Pan, Jenny	425452	10-Mar-22	112.11	Other(Misc)	Retirement lunch for Denise To-Nguyen
Perez, Rodolfo	425272	3-Mar-22	192.00	Membership Renewal	CWEA membership
Reinhart, Doug	425453	10-Mar-22	252.28	Lodging	ACWA Fall Conference, Pasadena, CA - Nov. 30, 3021
Spangenberg, Carl	425273	3-Mar-22	239.79	Lodging	AMTA 2022 Membrane Tech Conference, Las Vegas, NV - Feb. 22, 2022
Spangenberg, Carl	425276	3-Mar-22	239.79	Lodging	AMTA 2022 Membrane Tech Conference, Las Vegas, NV - Feb. 23, 2022
Withers, John	425455	10-Mar-22	252.28	Lodging	ACWA Fall Conference, Pasadena, CA - Nov. 30, 2021
Withers, John	425455	10-Mar-22	252.28	Lodging	ACWA Fall Conference, Pasadena, CA - Dec. 01, 2021
		Total Amount:	\$3 035 45		

**Total Amount:** \$3,035.45

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April 25, 2022

Prepared by: L. Srader Submitted by: T. Mitcham

Approved by: Paul A. Cook /CA.

#### CONSENT CALENDAR

### ADOPTION OF REVISED IRWD SCHEDULE OF POSITIONS AND SALARY RATE RANGES

### SUMMARY:

As a participant in the California Public Employees' Retirement System (CalPERS), IRWD is required to maintain its Schedule of Positions and Salary Rate Ranges to reflect the positions and salary ranges within IRWD. Staff recommends that the Board adopt a resolution rescinding Resolution No. 2021-27 and revising IRWD's Schedule of Positions and Salary Rate Ranges.

### **BACKGROUND:**

Periodic review of current budgeted positions has determined the need for additional adjustments to the District's Schedule of Positions and Salary Rate Ranges. Staff recommends the Board adopt a revised District Schedule of Positions and Salary Rate Ranges to incorporate the following change:

• Title change for Senior Public Affairs Specialist position (29.N) to that of Digital Communications Specialist (29.N). This change will better reflect the duties of the position.

When a change such as this is made, CalPERS requires that each employment position and pay rate be identified in a publicly available pay schedule (CalPERS Regulations, 2 CCR 570.5). Staff recommend the Board adopt a resolution adopting the proposed changes to the IRWD Salary Grade Schedules, provided as Exhibit "A" (which supersedes Resolution No. 2021-27), effective April 25, 2022.

#### FISCAL IMPACTS:

There are sufficient funds included in the Fiscal Year 2021-22 Operating Budget, approved by the Board on April 26, 2021, to accommodate this change.

#### **ENVIRONMENTAL COMPLIANCE:**

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

#### **COMMITTEE STATUS:**

This item was not reviewed by a Committee.

Consent Calendar: Adoption of a Revised District Schedule of Positions and Salary Rate Ranges

April 25, 2022

Page 2

### **RECOMMENDATION:**

THAT THE BOARD ADOPT THE FOLLOWING RESOLUTION BY TITLE:

### RESOLUTION NO. 2022 -

RESOLUTION OF THE BOARD OF DIRECTORS OF THE IRVINE RANCH WATER DISTRICT RESCINDING RESOLUTION NO. 2021-27 AND ADOPTING A REVISED SCHEDULE OF POSITIONS AND SALARY RATE RANGES

### LIST OF EXHIBITS:

Exhibit "A" – Resolution of the Board of Directors of the Irvine Ranch Water District adopting a new Schedule of Positions and Salary Rate Ranges

Exhibit "B" - Salary Grade Schedule

#### EXHIBIT "A"

#### RESOLUTION NO. 2022 – 8

# RESOLUTION OF THE BOARD OF DIRECTORS OF IRVINE RANCH WATER DISTRICT, SUPERSEDING RESOLUTION NO. 2021-27 AND ADOPTING A REVISED SCHEDULE OF POSITIONS AND SALARY RATE RANGES

The Board of Directors of Irvine Ranch Water District, by adoption of Resolution No. 2021-27 on December 13, 2021, established a Schedule of Positions and Salary Rate Ranges of the Irvine Ranch Water District; and

The Board of Directors of Irvine Ranch Water District have reviewed the Schedule of Positions and Salary Rate Ranges and desires to make revisions thereto.

The Board of Directors of Irvine Ranch Water District does hereby resolve, determine and order as follows:

<u>Section 1.</u> That the Schedule of Positions and Salary Rate Ranges adopted by Resolution No. 2021-27 on December 13, 2021, is hereby superseded effective April 25, 2022.

Section 2. That the Schedule of Positions and Salary Rate Ranges for the Irvine Ranch Water District as set forth in Exhibit "B" attached to this Resolution, and as effective April 25, 2022, for all classifications, is hereby approved and adopted.

ADOPTED, SIGNED and	APPROVED on April 25, 2022.
	President, IRVINE RANCH WATER DISTRICT and of the Board of Directors thereof
	Secretary, IRVINE RANCH WATER DISTRICT and of the Board of Directors thereof
APPROVED AS TO FORM:	
By: Claire Hervey Collins, General	ral Counsel

Hansen Bridgett LLP

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### Schedule "A"

# IRVINE RANCH WATER DISTRICT MONTHLY SALARY GRADE SCHEDULE

# Managers, Exempt Supervisors, Confidential & Exempt Employees Effective April 25, 2022

EXCEPTIONAL PERFORMANCE TOP

	MINIMUM	MAXIMUM	PERFORMANCE TOP OF RANGE
NON-EXEMPT			
Salary Grade U1.N	\$3,165	\$3,924	\$4,120
Salary Grade U2.N	\$3,234	\$4,032	\$4,234
Salary Grade U3.N	\$3,302	\$4,143	\$4,350
Salary Grade U4.N	\$3,363	\$4,264	\$4,477
Salary Grade U5.N	\$3,440	\$4,381	\$4,601
Salary Grade U6.N	\$3,507	\$4,509	\$4,735
Salary Grade U7.N	\$3,577	\$4,634	\$4,867
Salary Grade U8.N	\$3,655	\$4,767	\$5,005
Salary Grade U9.N	\$3,724	\$4,898	\$5,146
Salary Grade U10.N	\$3,802	\$5,033	\$5,283
Salary Grade U11.N	\$3,876	\$5,161	\$5,416
Salary Grade U12.N	\$3,952	\$5,313	\$5,579
Salary Grade U13.N	\$4,026	\$5,464	\$5,740
Salary Grade U14.N	\$4,117	\$5,619	\$5,901
Salary Grade U15.N	\$4,205	\$5,768	\$6,056
Salary Grade U16.N	\$4,305	\$5,930	\$6,225
Salary Grade U17.N	\$4,396	\$6,078	\$6,382
Salary Grade U18.N	\$4,492	\$6,241	\$6,555
Salary Grade U19.N Safety Assistant	\$4,595	\$6,398	\$6,721
Salary Grade U20.N	\$4,717	\$6,606	\$6,937
Salary Grade U21.N	\$4,852	\$6,805	\$7,148
Salary Grade U22.N	\$4,984	\$7,020	\$7,371

**Executive Secretary** 

		MINIMUM	MAXIMUM	OF RANGE
	Human Resources Assistant			
Salary Grade U23.N		\$5,116	\$7,232	\$7,592
Salary Grade U24.N		\$5,261	\$7,457	\$7,831
Salary Grade U25.N	Human Resources Technician	\$5,399	\$7,686	\$8,073
Salary Grade U26.N	Executive Assistant	\$5,566	\$7,916	\$8,313
Salary Grade U27.N		\$5,726	\$8,149	\$8,555
Salary Grade U28.N		\$5,894	\$8,390	\$8,811
Salary Grade U29.N	Administrative Assistant Safety Specialist	\$6,070	\$8,634	\$9,067
Salary Grade U30.N	Surety Specialist	\$6,253	\$8,890	\$9,335
Salary Grade U31.N	Human Resources Analyst	\$6,439	\$9,157	\$9,615
Salary Grade U32.N	·	\$6,623	\$9,428	\$9,899
Salary Grade U33.N	Network Administrator User Support Administrator	\$6,817	\$9,702	\$10,188
Salary Grade U34.N		\$7,020	\$9,970	\$10,471
Salary Grade U35.N		\$7,231	\$10,270	\$10,784

		MINIMUM	MAXIMUM	PERFORMANCE TOP OF RANGE
EXEMPT				0.10.1102
Salary Grade U1.E		\$5,090	\$6,539	\$6,866
Salary Grade U2.E		\$5,260	\$6,793	\$7,133
Salary Grade U3.E		\$5,428	\$7,046	\$7,401
Salary Grade U4.E		\$5,598	\$7,317	\$7,682
Salary Grade U5.E		\$5,768	\$7,588	\$7,968
Salary Grade U6.E		\$5,967	\$7,882	\$8,277
Salary Grade U7.E		\$6,158	\$8,174	\$8,581
Salary Grade U8.E		\$6,359	\$8,493	\$8,918
Salary Grade U9.E		\$6,553	\$8,805	\$9,243
Salary Grade U10.E  Salary Grade U11.E  Salary Grade U12.E	Asset Systems Analyst Assistant Engineer Customer Service Supervisor Development Services Supervisor Management Analyst Public Affairs Analyst Senior Public Affairs Specialist  Purchasing Supervisor  Environmental Compliance Analyst Financial Analyst Regulatory Compliance Administrator Senior Accountant	\$6,770 \$6,988 \$7,214	\$9,138 \$9,475 \$9,840	\$9,594 \$9,951 \$10,329
Salary Grade U13.E	Senior Water Efficiency Analyst Water Efficiency Supervisor  Communications Analyst/Deputy PIO GIS Supervisor Legislative Analyst Right of Way Agent Senior Human Resources Analyst Treasury Analyst Water Resources Planner	\$7,448	\$10,196	\$10,705
Salary Grade U14.E	Accounting Supervisor	\$7,689	\$10,589	\$11,118

	MINIMUM	MAXIMUM	OF RANGE
Associate Engin	ieer		
District Secret	-		
QA/QC Compliance Adminstra	ator		
Salary Grade U15.E	\$7,934	\$10,986	\$11,533
Applications Ana			
Automation Programm	mer		
Laboratory Superv	isor		
Senior Regulatory Compliance Administra	ator		
Senior SCADA Network Administra	ator		
Senior Network Administra	ator		
Salary Grade U16.E	\$8,199	\$11,400	\$11,972
Salary Grade U17.E	\$8,460	\$11,820	\$12,409
Construction Inspection Mana		+ - <b>-</b> / <b></b>	, - <b>-</b> , · • •
Customer Service Mana	_		
Engin	_		
Facilities/Fleet Mana			
Purchasing Mana	nger		
Safety Mana	iger		
Senior Energy and Water Resources Plan	iner		
Salary Grade U18.E	\$8,735	\$12,270	\$12,882
Collection Systems Mana		, ,	
Community Relations Mana	_		
Construction Services Mana	nger		
Cybersecurity Ana	lyst		
Electrical and Instrumentation Mana	iger		
Field Services Mana	iger		
Natural Resources Mana	iger		
Public Affairs Mana	iger		
Regulatory Compliance Mana	iger		
Senior Applications Ana	lyst		
Senior Applications Develo	•		
Senior Database Administra			
Water Efficiency Mana	-		
Water Quality Mana	iger		
Salary Grade U19.E	\$9,011	\$12,723	\$13,361
Manager of Risk & Contracts Administrat			
Mechanical Services Mana			
Recycled Water Development Mana	iger		
Treasury Mana	iger		
Water Resources Mana	nger		

			PERFORMANCE TOP
	MINIMUM	MAXIMUM	OF RANGE
	4	*	4
Salary Grade U20.E	\$9,292	\$13,196	\$13,854
Automation Manager			
Operations Manager			
Reliability Engineer			
Senior Engineer			
User Support Manager			
Salary Grade U21.E	\$9,575	\$13,672	\$14,356
Controller	79,373	\$13,072	Ş14,330
Manager of Strategic Planning and Analysis			
Salary Grade U22.E	\$9,882	\$14,180	\$14,890
Applications Manager			, ,
Network and Cybersecurity Manager			
Principal Engineer			
Salary Grade U23.E	\$10,195	\$14,694	\$15,429
Salary Grado 1124 E	¢10 472	\$15,286	¢16.049
Salary Grade U24.E	\$10,472	\$15,280	\$16,048
Engineering Manager			
Salary Grade U25.E	\$10,795	\$15,863	\$16,656
	1		1
Salary Grade U26.E	\$11,288	\$16,702	\$17,537
Salary Grade U27.E	\$11,804	\$17,588	\$18,466
Director of Field Operations	7 /	7 = 1 / 5 = 5	7-5/100
Director of Human Resources			
Director of Information Services			
Director of Maintenance			
Director of Strategic Communications & Advocacy/			
Deputy General Counsel			
Director of Recycling Operations			
,			
Director of Safety & Security			
Director of Water Quality & Regulatory Compliance			
Director of Water Resources			
Treasurer/Director of Risk Management			
Salary Grade U28.E	\$12,347	\$18,513	\$19,438
<u> </u>	*		
Salary Grade U29.E	\$12,911	\$19,493	\$20,467
Salary Grade U30.E	\$13,507	\$20,529	\$21,554
Executive Director of Finance	, == <b>, = =</b> .	+ <b>/</b>	T/
Executive Director of Technical Services			
Executive Director of Technical Services  Executive Director of Operations			
Executive Director of Water Policy			
Salary Grade U31.E	\$14,179	\$21,693	\$22,776

		MINIMUM	MAXIMUM	OF RANGE
Salary Grade U32.E		\$14,889	\$22,928	\$24,075
Salary Grade U33.E		\$15,630	\$24,230	\$25,441
Salary Grade U34.E		\$16,414	\$25,605	\$28,322
	General Manager			

# IRVINE RANCH WATER DISTRICT MONTHLY SALARY GRADE SCHEDULE

### Non-Exempt Supervisors Unit Effective April 25, 2022

			PERFORMANCE TOP OF
	MINIMUM	MAXIMUM	RANGE
NON-EXEMPT			
Salary Grade S26.N	\$5,566	\$7,916	\$8,313
Salary Grade S27.N	\$5,726	\$8,149	\$8,555
Salary Grade S28.N	\$5,894	\$8,390	\$8,811
Salary Grade S29.N	\$6,070	\$8,634	\$9,067
Salary Grade S30.N	\$6,253	\$8,890	\$9,335
Salary Grade S31.N Facilities Services Supervisor Fleet Supervisor	\$6,439	\$9,157	\$9,615
Salary Grade S32.N  Collection Systems Supervisor  Mechanical Services Supervisor	\$6,623	\$9,428	\$9,899
Salary Grade S33.N  Cross Connection Supervisor  Water Maintenance Supervisor	\$6,817	\$9,702	\$10,188
Salary Grade S34.N  Construction Inspection Supervisor Automation Supervisor Electrical Supervisor Instrumentation Supervisor Water Monitoring Supervisor	\$7,020	\$9,970	\$10,471
Salary Grade S35.N  Operations Supervisor	\$7,231	\$10,270	\$10,784

# IRVINE RANCH WATER DISTRICT MONTHLY SALARY GRADE SCHEDULE

# General Employees Unit Effective April 25, 2022

				PERFORMANCE FOR OF
		MINIMUM	MAXIMUM	RANGE
NON-EXEMPT				
Salary Grade 1.N		\$3,159	\$3,917	\$4,113
Salary Grade 2.N		\$3,227	\$4,024	\$4,225
Salary Grade 3.N		\$3,297	\$4,136	\$4,342
Salary Grade 4.N		\$3,357	\$4,255	\$4,467
Salary Grade 5.N		\$3,431	\$4,373	\$4,593
Salary Grade 6.N	Office Assistant Mail Coordinator	\$3,500	\$4,500	\$4,725
Salary Grade 7.N		\$3,568	\$4,625	\$4,857
Salary Grade 8.N		\$3,648	\$4,758	\$4,996
Salary Grade 9.N		\$3,719	\$4,889	\$5,132
Salary Grade 10.N		\$3,793	\$5,021	\$5,270
Salary Grade 11.N	Material Control Clerk I Utility Worker	\$3,867	\$5,152	\$5,407
Salary Grade 12.N		\$3,944	\$5,301	\$5,569
Salary Grade 13.N	Customer Service Specialist I Support Specialist	\$4,018	\$5,455	\$5,725
Salary Grade 14.N		\$4,109	\$5,607	\$5,888
Salary Grade 15.N	Collection Systems Technician I Office Specialist	\$4,197	\$5,757	\$6,046
Salary Grade 16.N	Accounting Clerk Customer Service Field Technician Metering Systems Technician I	\$4,295	\$5,919	\$6,213

		MINIMUM	MAXIMUM	RANGE
	Water Maintenance Technician I			
Salary Grade 17.N	Customer Service Specialist II	\$4,386	\$6,065	\$6,367
Salary Grade 18.N	Material Control Clerk II	\$4,482	\$6,229	\$6,539
Salary Grade 19.N	Senior Support Specialist  Development Services Specialist  Purchasing Coordinator  Senior Office Specialist	\$4,585	\$6,387	\$6,706
Salary Grade 20.N	Collection Systems Technician II Engineering Technician I GIS Technician I Operator I Senior Accounting Clerk	\$4,708	\$6,591	\$6,922
	Collection Systems CCTV Technician Customer Service Specialist III Customer Service Field Technician	\$4,840	\$6,791	\$7,133
Salary Grade 22.N	Facilities Services Technician Maintenance Mechanic Metering Systems Technician II Risk Assistant Senior Purchasing Coordinator Vehicle/Equipment Mechanic Water Maintenance Technician II	\$4,974	\$7,005	\$7,357
Salary Grade 23.N Senio	or Water Efficiency Field Technician	\$5,104	\$7,217	\$7,577
Salary Grade 24.N	Buyer Public Affairs Assistant Recycled Water Specialist Water Loss Prevention Specialist Wetlands Specialist	\$5,249	\$7,444	\$7,815
Salary Grade 25.N		\$5,387	\$7,672	\$8,057

	MINIMUM	MAXIMUM	RANGE
Engineering Technician II GIS Technician II			
Senior Collection Systems CCTV Technician Senior Collection Systems Technician			
Salary Grade 26.N  Cross Connection Specialist  Metering Systems Technician III  Water Efficiency Specialist  Water Maintenance Technician III  Water Resources Specialist	\$5,553	\$7,901	\$8,294
Salary Grade 27.N  Accountant Operator II Senior Facilities Services Technician Senior Maintenance Mechanic Senior Water Loss Prevention Specialist Senior Vehicle/Equipment Maintenance Mechanic	\$5,715	\$8,132	\$8,538
Salary Grade 28.N  Automation Technician Construction Inspector Electrical Technician Instrumentation Technician Landscape Contracts Administrator Scientist	\$5,882	\$8,374	\$8,794
Salary Grade 29.N  Engineering Technician III  Digital Communications Specialist  GIS Technician III  Operator III  Senior Buyer  Senior Recycled Water Specialist  Senior Wetlands Specialist	\$6,057	\$8,618	\$9,047
Salary Grade 30.N  Graphic Design Specialist Risk Analyst Senior Electrical Technician Senior Instrumentation Technician	\$6,241	\$8,872	\$9,318
Salary Grade 31.N Information Services Coordinator	\$6,424	\$9,140	\$9,594

	MINIMUM	MAXIMUM	RANGE
Payroll Administrator			_
Recycled Water Project Specialist			
Senior Construction Inspector			
Senior Water Efficiency Specialist			_
Salary Grade 32.N	\$6,610	\$9,409	\$9,880
Asset Maintenance Coordinator			
Automation Specialist			
Environmental Compliance Specialist			
Process Specialist			
Senior Scientist			
Wetlands Scientist			
Salary Grade 33.N	\$6,803	\$9,683	\$10,166
Operations Coordinator			
Water Efficiency Analyst			
Salary Grade 34.N	\$7,005	\$9,951	\$10,449
Salary Grade 35.N	\$7,216	\$10,249	\$10,762

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April 25, 2022

Prepared by: J. Moeder / R. Mori

Submitted by: K. Burton

Approved by: Paul A. Cook

#### ACTION CALENDAR

### ORANGE HEIGHTS ZONE 5 TO 6 AND ZONE C+ TO E PUMP STATIONS AND ZONE 6 RESERVOIR CONSULTANT SELECTION

#### SUMMARY:

The Irvine Community Development Company (ICDC) is developing the Orange Heights development (formerly Santiago Hills II) located in the City of Orange along Santiago Canyon Road between the 261 Toll Road and Jamboree Road. The Sub-Area Master Plan for the development identifies the need for a new Zone 5 to 6 domestic water pump station, Zone C+ to E recycled water pump station, and a Zone 6 domestic water reservoir. Staff developed the design of these facilities in 2016 before ICDC postponed the schedule for this development and is now restarting the engineering contracts for design of these facilities. Staff recommends the Board:

- Authorize the General Manager to execute a Professional Services Agreement with Lee
   & Ro in the amount of \$602,000 for engineering design services for the Zone 5 to 6 and
   Zone C+ to E Pump Stations project, and
- Authorize the General Manager to execute a Professional Services Agreement with Tetra Tech in the amount of \$484,000 for engineering design services for the Orange Heights Zone 6 Reservoir project.

#### BACKGROUND:

The proposed Zone 5 to 6 and Zone C+ to E pump stations, which will be located next to the existing Zone 5 to 8 pump station along Santiago Canyon Road, will supply domestic water and recycled water to the new development. The proposed Zone 5 to 6 domestic water pump station will supply the proposed 2.4-million-gallon (MG) Zone 6 domestic water reservoir that will serve the development. The proposed Zone C+ to E recycled water pump station will directly feed the entire development through a closed loop system.

In 2016, when ICDC was actively advancing development, staff separated the IRWD facility improvements into two design contracts: 1) the Zone 5 to 6 and Zone C+ to E Pump Stations Project, and 2) the Zone 6 Reservoir Project. IRWD contracted with Lee & Ro for the new pump stations and with Kleinfelder for the reservoir. Both consultants progressed design activities until November 2016 when ICDC halted its development plans, and staff stopped the design of both projects. The pump station design was stopped at the 30 percent completion level, and the reservoir design was stopped at the 60 percent completion level.

In February 2022, ICDC notified staff that development of the Santiago Hills II area, now called Orange Heights, is being restarted. To meet ICDC's aggressive schedule for the development, ICDC requested that IRWD's facilities be completed and online by September 2025.

Action Calendar: Orange Heights Zone 5 to 6 and C+ to E Pump Stations and Zone 6 Reservoir Consultant Selection
April 25, 2022
Page 2

### Consultant Selection:

Staff contacted Lee & Ro and Tetra Tech to negotiate a scope of work and fee to complete the design of the pump stations and reservoir, respectively. The Lee & Ro design team that worked on the project in 2016 is still intact and is ready to continue the project. Staff did not contact Kleinfelder as it has lost key staff members since working on the project in 2016 and has not worked on recent IRWD reservoir projects. Tetra Tech has recently completed the design of the 3.7 MG Zone 1 and the 1.3 MG Fleming reservoirs. It has performed well on both projects and is ready to complete the project in accordance with the required completion schedule.

Lee & Ro and Tetra Tech submitted proposals to complete the designs. Staff negotiated both proposals with the respective consultants and confirmed that the scopes of work and fees are consistent with other recently completed pump station and reservoir projects. Staff recommends the Board authorize the General Manager to execute Professional Services Agreements in the amount of \$602,000 with Lee & Ro for the design of Zone 5 to 6 and Zone C+ to E pump stations and in the amount of \$484,000 with Tetra Tech for the design of the Zone 6 Reservoir.

### Design and Construction Schedule:

Staff anticipates that the project will be designed and constructed according to the following schedule:

Notice of Award (Anticipated)	April 26, 2022
Kick-Off Meeting	May 2022
Updated Basis of Design Report	June 2022
Final Plans Approved	March 2023
Construction Notice of Award	May 2023
Construction Completion – Pump Stations	March 2025
Construction Completion – Reservoir	April 2025

#### FISCAL IMPACTS:

The Zone 5 to 6 Pump Station and Zone C+ to E Pump Station, Projects 07136 and 07139, and the Zone 6 Reservoir Project, Project 07138, are included in the FY 2021-22 Capital Budget. The existing budgets are sufficient to fund the recommendations presented herein.

#### **ENVIRONMENTAL COMPLIANCE:**

This project is subject to the California Environmental Quality Act (CEQA). In compliance with CEQA, the California Public Resources Code Section 21000 et. seq., and per the California CEQA Guidelines in the Code of Regulations, Title 14, Division 6, Chapter 3, as lead agency, the City of Orange filed a Notice of Determination with the County of Orange on November 8, 2005. On July 12, 2016, the City of Orange adopted an Addendum to Santiago Hills Environmental Impact Report (EIR) to address changes in the development since certification, including the construction of the Zone 5 to 6 and Zone C+ to E Pump Station and Zone 6 Reservoir.

Action Calendar: Orange Heights Zone 5 to 6 and C+ to E Pump Stations and Zone 6 Reservoir Consultant Selection
April 25, 2022
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### **COMMITTEE STATUS:**

This item was reviewed by the Engineering and Operations Committee on April 19, 2022.

### **RECOMMENDATION:**

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH LEE & RO IN THE AMOUNT OF \$602,000 FOR ENGINEERING DESIGN SERVICES FOR THE ORANGE HEIGHTS ZONE 5 TO 6 AND ZONE C+ TO E PUMP STATIONS, PROJECTS 07136 AND 07139; AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH TETRA TECH IN THE AMOUNT OF \$484,000 FOR ENGINEERING DESIGN SERVICES FOR THE ORANGE HEIGHTS ZONE 6 RESERVOIR, PROJECT 07138.

### LIST OF EXHIBITS:

Exhibit "A" – Lee & Ro Scope of Work and Fee Proposal Exhibit "B" – Tetra Tech Scope of Work and Fee Proposal

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### **EXHIBIT "A"**



10640 Scripps Ranch Blvd., Suite 150 San Diego, CA 92131 Tel: (858) 332-4284 www.LEE-RO.com

March 30, 2022

Mr. Richard Mori, PE Irvine Ranch Water District 15600 Sand Canyon Avenue Irvine, Ca 92618

Subject: IRWD Santiago Hills Zone 5 to 6 and Zone C+ to E Booster Pump Stations (Rev 2)

Dear Mr. Mori:

The project has a PDR that has already gone through several preliminary reviews with IRWD. Due to the more than five years that have passed since the PDR was issued, IRWD will re-review the PDR and it is anticipated that LEE + RO will receive minor comments to the PDR from IRWD. LEE + RO will incorporate the comments into the PDR and re-issue as final. Other elements of the PDR will have to be updated and or reviewed, such as the cost estimates, upsizing of the generator to feed both the recycled and potable water BPS, and include updated Zone C+ Tank information since it is now constructed and asbuilts are available.

Below is preliminary anticipated schedule showing engineering design through bidding. The schedule will be further refined in the Final PDR.

**Preliminary Schedule** 

	Completion			
	After NTP			Duration
Major Task Anticipated Milestones	(Calendar Days)	Start	Finish	(Calendar Days)
Contract NTP	0	05/02/22	05/02/22	1
Variance NTP	1	05/03/22	05/03/22	1
Kick-Off-Meeting	8	05/10/22	05/10/22	1
Receive Draft PDR Comments	20	05/02/22	05/22/22	20
Prepare Final PDR	40	05/02/22	06/11/22	40
Prepare & Issue 60%	98	06/12/22	08/08/22	57
Receive 60% Design Comments	119	08/09/22	08/29/22	20
Prepare & Issue 90%	165	08/30/22	10/14/22	45
Receive 90% Design Comments	186	10/15/22	11/04/22	20
Prepare & Issue 100%	213	11/05/22	12/01/22	26
Receive 100% Design Comments	229	12/02/22	12/17/22	15
Prepare & Issue Final	248	12/18/22	01/05/23	18
Contracts Issue Bid Release	263	01/06/23	01/20/23	14
Construction Bids Due	284	01/21/23	02/10/23	20

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The anticipated drawings are as follows:

GENERA	AL	
SHEET	DWG#	DESCRIPTIONS
1	G-1	TITLE SHEET
2	G-2	LOCATION & VICINITY MAPS & DRAWING INDEX
3	G-3	GENERAL NOTES - 1
4	G-4	GENERAL NOTES - 2
5	G-5	SYMBOLS & ABBREVIATIONS
DEMOL	ITION	
6	D-1	SITE DEMOLITION PLAN
CIVIL		
7	C-1	YARD PIPING PLAN
8	C-2	PAVING AND GRADING PLAN
9	C-3	WALL AND SIGNAGE PLAN
10	C-4	CIVIL DETAILS - 1
11	C-5	CIVIL DETAILS - 2
12	C-6	CIVIL DETAILS - 3
ARCHIT	TECTURAL	
13	A-1	ARCHITECTURAL ABBREVIATIONS, NOTES , & SCHEDULES
14	A-2	ARCHITECTURAL FLOOR PLAN
15	A-3	ARCHITECTURAL ROOF PLAN
16	A-4	ARCHITECTURAL ELEVATIONS - 1
17	A-5	ARCHITECTURAL ELEVATIONS - 2
18	A-6	ARCHITECTURAL DETAIL - 1
19	A-7	ARCHITECTURAL DETAIL - 2
STRUCT	TURAL	
20	S-1	STRUCTURAL ABBREVIATIONS & NOTES
21	S-2	STRUCTURAL FLOOR PLAN
22	S-3	STRUCTURAL ROOF FRAMING PLAN
23	S-4	STRUCTURAL - SURGE TANK FOUNDATION PLAN & DETAILS
24	S-5	STRUCTURAL SECTIONS - 1
25	S-6	STRUCTURAL SECTIONS - 2
26	S-7	STRUCTURAL DETAILS - 1
27	S-8	STRUCTURAL DETAILS - 2
28	S-9	STRUCTURAL DETAILS - 3
29	S-10	STRUCTURAL DETAILS - 4
30	S-11	STRUCTURAL DETAILS - 5
31	S-12	STRUCTURAL DETAILS - 6
MECHA		
32	M-1	MECHANICAL MATERIALS LIST & GENERAL NOTES
33	M-2	MECHANICAL FLOOR PLAN
34	M-3	MECHANICAL SECTIONS - 1
35	M-4	MECHANICAL SECTIONS - 2
36	M-5	MECHANICAL SECTIONS - 3
37	M-6	SURGE TANK(S) PLAN
38	M-7	SURGE TANK(S) SECTION AND DETAILS
39	M-8	MECHANICAL DETAILS - 1
40	M-9	MECHANICAL DETAILS - 2

41	M-10	MECHANICAL DETAILS - 3
42	M-11	MECHANICAL DETAILS - 4
PLUMB	ING	
43	P-1	DRAINAGE PLAN
44	P-2	RESTROOM PLAN AND SECTIONS
HVAC		
45	HVAC-1	HVAC PLAN
46	HVAC-2	HVAC SCHEDULE
47	HVAC-3	HVAC DETAILS
ELECTI	RICAL	
48	E-1	ELECTRICAL SYMBOLS & ABBREVIATIONS
49	E-2	ELECTRICAL OVERALL SITE PLAN
50	E-3	ELECTRICAL ENLARGE SITE PLAN (SURGE TANK(S))
51	E-4	ELECTRICAL POWER PLAN
52	E-5	ELECTRICAL CONTROL AND SIGNAL PLAN
53	E-6	ELECTRICAL SINGLE LINE DIAGRAM
54	E-7	ELECTRICAL PANEL ELEVATIONS
55	E-8	ELECTRICAL CABLE AND CONDUIT SCHEDULE - 1
56	E-9	ELECTRICAL CABLE AND CONDUIT SCHEDULE - 2
57	E-10	ELECTRICAL GROUNDING & LIGHTING PLAN
58	E-11	ELECTRICAL LIGHTING SCHEDULE
59	E-12	ELECTRICAL DETAILS - 1
60	E-13	ELECTRICAL DETAILS - 2
61	E-14	CONTROL SCHEMATIC - VARIABLE SPEED PUMPS
62	E-15	CONTROL SCHEMATIC - CONSTANT SPEED PUMPS
63	E-16	CONTROL SCHEMATIC - VENTILATION FANS
64	E-17	PLC PANEL LAYOUT
65	E-18	CONTROL PANEL POWER WIRING - 1
66	E-19	CONTROL PANEL POWER WIRING - 2
67	E-20	CONTROL PANEL I/O WIRING - 1
68	E-21	CONTROL PANEL I/O WIRING - 2
69	E-22	CONTROL PANEL I/O WIRING - 3
70	E-23	CONTROL PANEL I/O WIRING - 4
71	E-24	CONTROL PANEL I/O WIRING - 5
72	E-25	CONTROL PANEL I/O WIRING - 6
73	E-26	CONTROL PANEL I/O WIRING - 7
74	E-27	CONTROL PANEL I/O WIRING - 8
75	E-28	CONTROL PANEL I/O WIRING - 9
76	E-29	CONTROL PANEL I/O WIRING - 10
77	E-30	CONTROL PANEL I/O WIRING - 11
78	E-31	CONTROL PANEL I/O WIRING - 12
79	E-32	UPS PANEL POWER DISTRIBUTION AND CONTROLS
80	E-33	COMMUNICATION EQUIPMENT DETAILS
INSTRU	MENTATIO	N
81	I-1	INSTRUMENTATION SYMBOLS & ABBREVIATIONS
82	I-2	PROCESS INSTRUMENTATION DIAGRAM - DOMESTIC WATER PUMPS
83	I-3	PROCESS INSTRUMENTATION DIAGRAM - RECYCLED WATER PUMPS
84	I-4	PROCESS INSTRUMENTATION DIAGRAM - PUMP STATION GENERAL
85	I-5	PROCESS INSTRUMENTATION DIAGRAM - SURGE TANK(S)

86	I-6	PROCESS INSTRUMENTATION DIAGRAM - GENERATOR
87	I-7	COMMUNICATION BLOCK DIAGRAM
88	I-8	INSTRUMENTATION DETAILS - 1
89	I-9	INSTRUMENTATION DETAILS - 2

#### **SCOPE OF WORK**

#### Task 1 Project Management

The Engineer shall conduct project management activities to ensure adherence to scope, schedule, and budget; promote efficient communication between the Engineer, IRWD, and others as required; and implement an effective quality assurance/quality control (QA/QC) program.

- A. <u>Preparation of Project Status Reports</u>. Prepare weekly and monthly status reports. Each weekly status report shall be submitted on Monday and shall consist of a brief (one or two paragraphs) e-mail summarizing the activities completed the previous week, the activities planned for the upcoming week, and critical decisions that need to be made. Each monthly status report shall be submitted on the last Thursday of the month and shall provide more detail, summarizing the work completed and reviewing work status relative to budget and schedule. The project schedule shall also be updated on a monthly basis for inclusion in the monthly status report.
- B. <u>Meetings and Workshops</u>. The Engineer shall organize, attend, and conduct meetings and workshops as required; prepare and submit meeting agendas for IRWD review and concurrence at least five days prior to the meeting; and prepare draft and final minutes for all meetings and workshops and submit them to IRWD within one week of the meeting. The anticipated meetings and workshops are as follows.

Meeting/Workshop		
1.	General project management and design development meetings (meetings as needed	
	and assumes most meetings will be conducted virtually in TEAMS).	
2.	Site Visits (assumes 2 site visits)	
3.	Coordination activities with jurisdictional agencies and project stakeholders including,	
	but not limited to, City of Orange Fire Department, The Irvine Company, Southern	
	California Edison (assumes 1 meeting per agency)	
4.	Preliminary Design Workshop	
5.	Present the 60% design, discuss IRWD's comments, and discuss how the outstanding	
	items were addressed	
6.	Present the 90% design, discuss IRWD's comments, and discuss how the outstanding	
	items were addressed	
7.	Present the 100% design, discuss IRWD's comments, and discuss how the outstanding	
	items were addressed	

C. <u>Quality Assurance/Quality Control</u>. The Engineer shall develop and implement proven QA/QC measures throughout the project to ensure ongoing and consistent quality control throughout all project phases. As part of the QA/QC measures, the Engineer shall capture comments from review

meetings and submittals and thoroughly check the work product to ensure that comments are addressed.

#### Task 2 Preliminary Design

The Engineer shall perform the following subtasks as part of the preliminary design phase. The subtasks shall be documented and compiled into a Preliminary Design Report (PDR) as summarized below.

- A. <u>Electrical and Controls</u>. The PDR will be modified to have the emergency generator resized to feed both the recycled and potable water BPS.
- B. <u>Project Schedule</u>. The Engineer shall prepare an updated project schedule, which shall include detailed schedules for both design and construction activities. The schedule shall include all critical factors impacting the project schedule including implementation, permitting, and coordination activities to ensure that the project is completed in accordance with the proposed schedule. The schedule shall be prepared in Microsoft Project.
- C. <u>Opinion of Probable Construction Cost</u>. The Engineer shall prepare an updated detailed and itemized opinion of probable construction cost for the proposed facilities.

#### D. Preliminary Design Report (PDR).

LEE + RO will incorporate the comments to the PDR and re-issue as final. Upon resolution and incorporation of review comments, one (1) electronic copy in PDF shall be submitted. PDR assumptions:

- i. It is anticipated that no significant changes are included in the 2022 SAMP report, and this proposal assumes no changes will be required to the PDR's hydraulic appendices and the surge study appendices. As such, any changes required to the hydraulics or surge study can be done, but at added cost.
- ii. The Site Master Plan preferred layout has previously been agreed to by all parties. We anticipate only minor modifications to the plans to reissue into the Final PDR.
- iii. We anticipate having to repackage and pickup only minor comments to the Draft PDR issued in 2017.
- iv. Work still to be completed by subconsultants includes geotechnical report, potholing, and survey. This work will commence shortly after the new NTP is received, and will not be included in the PDR, but information will be included in the 60% design. The previous hydraulic surge study was finalized in 2016 and also completed by one of our subconsultants. We do not anticipate making any changes to Appendix B-1 (*Hydraulic Analysis Technical Memorandum*) and B-2 (*Santiago Hills Zone 5 to 6 Domestic Water Booster Pump Station Pressure Surge Analysis TM and Zone C+ to E BPS Pressure Surge Analysis TM prepared by Flow Science, Inc.*). As such, any changes required can be done, but at added cost.

#### Task 3 Final Design

The final design shall result in the preparation of the Contract Documents. In the final design phase, the Engineer shall address the items discussed hereunder.

- A. <u>Project Manual</u>. The Engineer shall prepare a Project Manual in standard IRWD format. IRWD's front end documents shall be utilized, and the Engineer shall assess IRWD's documents to determine any needed supplemental general/special provisions that should be added to comply with IRWD's general provisions and front-end requirements. The Project Manual shall describe the allowable shutdown durations and sequencing associated with any connections and tie-ins to existing IRWD facilities. The Project Manual shall also include the IRWD General Technical Specifications, modifications thereto, and any project specific technical specifications. It is incumbent upon the selected Engineer to familiarize themselves with IRWD's standards, use the standards as a starting point, and modify them as needed for the project.
- B. Construction Plans. The Engineer shall prepare detailed construction drawings in the latest version of AutoCAD and using NCS V4.0 layering standards, on 22-inch x 34-inch sheets utilizing IRWD's standard border template. Separate sheets with sheet index/location map/legend, general notes, index map, construction notes, condensed profiles, phasing, and detail connections shall be included. Construction notes shall be used (callouts on the plans are not allowed) on all construction drawings. Existing IRWD utilities shall be identified on the plan view by as-built plan set number with the pipeline material and IRWD pressure zone labeled. The index map shall include sheet legend, final alignment, valve locations, surrounding streets, and significant project site locations. Construction plans shall be prepared using the NAVD 88 and NAD 83 survey standards.
- C. <u>Utility Research</u>. The Engineer shall review the existing information and identify the location of existing underground utilities and/or other physical features in the immediate vicinity of the proposed facilities and appurtenances. Information on utilities including material, size, horizontal and vertical locations shall be identified. The Engineer shall include budget to pothole four (4) existing utilities.
- D. <u>Electrical/Instrumentation</u>. The Engineer shall prepare an operational scheme including P&IDs, single line diagrams, PLC loop drawings, control equipment list, and method of integrating the proposed facilities into IRWD's existing SCADA system. Prior to this process, the Engineer shall meet with IRWD electrical/automation staff to incorporate IRWD's standard operations, PLC and SCADA programming, and equipment tagging requirements into the design. The Engineer shall develop and provide the operational scheme and functional descriptions (in plain English) for District review and approval.
- E. <u>SCE Final Service Plan</u>. The Engineer shall coordinate with SCE early in the design process to obtain the Final Service Plan, which shall be inserted in the appendix of the Project Manual. This task shall include the coordination efforts necessary to communicate the project requirements, address any comments from SCE, and implement all requirements into the project design.
- F. <u>Project Schedule</u>. The Engineer shall maintain and consistently update the project schedule, which shall include detailed schedules for both design and construction activities. The schedule shall include all critical factors impacting the project schedule including implementation, permitting, and coordination activities to ensure that the project is completed in accordance with the proposed schedule. The schedule shall be prepared in Microsoft Project.

- G. <u>Opinion of Probable Construction Cost</u>. The Engineer shall prepare a detailed and itemized opinion of probable construction cost for the proposed facilities, which shall be updated and submitted with each of the design deliverables.
- H. Architectural Renderings. The Engineer shall prepare architectural renderings of the site based on the preferred site plan with different building material/color options. The renderings shall depict the pump station building and all exterior facilities located on the site. The renderings shall include, at a minimum, a bird's eye view and a view from each direction of the site including the proposed building(s) and all site improvements. The building options shall include the use of only noncombustible materials, evaluation of up to three (3) different roof styles (e.g. parapet, gable, sloped, etc.) with closed eaves, and analysis of three (3) different types of architectural treatment using CMU block.
- I. <u>Geotechnical Investigation</u>. The Engineer shall conduct a geotechnical investigation to adequately characterize the conditions at the proposed pump station site. Performance of a geotechnical subsurface evaluation consisting of the excavation, logging and sampling of two small-diameter borings up to approximately 30 feet below adjacent grades or to refusal (whichever is shallower). Borings will be backfilled with a cement bentonite grout in accordance with the boring permit. Excess drill cuttings will be spread thinly in suitable areas onsite. The following tasks, at a minimum, shall be conducted as part of the geotechnical investigation:
  - a. Perform a geotechnical reconnaissance to observe site conditions and to locate exploratory borings.
  - b. Conduct soil borings necessary to observe, test and classify soils, and monitor groundwater. The number, location, and depth of borings shall be adequate to characterize the soils to at least five feet below any proposed structure, pipeline invert, or pump cans.
  - c. Collect soil samples for testing as needed based on Engineer's professional judgment.
  - d. Plot the location of all soil borings on a map and attach the map to the Geotechnical Report. Include complete logs of the soil profiles in the report.
  - e. Conduct laboratory tests of selected samples to evaluate moisture content, density, gradation, Atterberg limits, consolidation, shear resistance, expansion, R-value, corrosivity, and/or other criteria as recommended by the geotechnical engineer or requested by the structural engineer for the structural design.
  - f. Prepare a geotechnical report presenting findings, conclusions, and recommendations for the design and construction of the proposed facilities. The report shall include, at a minimum, (1) groundwater presence and levels, (2) construction dewatering requirements, (3) pipe bedding requirements, (4) trench shoring requirements, (5) settlement potential, (6) excavatibility of soils, (7) location of rock, (8) backfill suitability, and (9) backfill compaction. The report shall emphasize specific concerns regarding construction methods and the integrity of pipelines, pavements, and structures. The report shall make recommendations regarding the design of facilities. Recommendations shall include (1) active, at-rest, passive and dynamic earth pressures, (2) foundation type, (3) allowable bearing pressure, (4) coefficient of friction between the foundation and soils/subgrade, (5) foundation design data, (6) settlement potential, (7) pipe bedding, (8) maximum cut slope requirements, (9) structural needs, (10) groundwater dewatering well(s) design criteria, and/or 11) other standard design criteria.
  - g. One (1) electronic copy of the Geotechnical Report shall be provided as a PDF.

- J. <u>Topographic Mapping.</u> The Engineer shall conduct appropriate surveying for the proposed facilities including, but not limited, to the following:
  - Establish survey ground control using NAD83 coordinates and NAVD88 county benchmark elevations,
  - Provide contour mapping at 10 scale with 1-ft contours, and
  - Field locate and add obscured surface features for all areas of the project.

The Engineer shall establish horizontal and vertical control and shall provide topographic maps to be used in the construction drawings for the proposed facilities and to facilitate preparation of detailed plans. An electronic copy of the topographic maps shall be provided to IRWD.

- K. <u>Permits</u>. The Engineer shall make applications and secure all permits with appropriate agencies. The permit acquisition process shall be initiated as early as practical to avoid project delay. Copies of completed permits and approvals shall be inserted in the Appendix of the Project Manual. IRWD will reimburse the Engineer for actual permit fees without surcharge. At a minimum, IRWD anticipates the following.
  - a. <u>Fire Master Plan</u>. The Santiago Hills Zone 5 Reservoir is equipped with a Reservoir Management System (RMS) that utilizes liquid sodium hypochlorite and aqueous ammonia. The City of Orange Fire Department previously reviewed and issued a Fire Master Plan for the facility. IRWD anticipates updating the Fire Master Plan to account for the new improvements, including modifications to the site access. The Engineer shall review and update the existing Fire Master Plan and secure the approval of the City of Orange Fire Department.
- L. Final Design Deliverables. Deliverables shall be made as follows:
  - a. Each major deliverable will include one electronic copy.
  - b. The final design submittal will include One (1) full size final stamped and signed reproducible plan set on bond and one (1) original signed Project Manual for District's signatures.
- M. <u>Addenda Preparation and Pre-Bid Meeting</u>. During the bidding period, the Engineer shall assist with providing information and clarification of bid documents to prospective bidders. This shall include the preparation of addenda including revisions to the design plans and specifications and assistance with addressing bidder questions. At a minimum, addenda preparation activities shall include:
  - <u>Plan Revisions</u>: The Engineer shall budget twenty (20) hours of appropriate staff time for plan revisions to the construction drawings.
  - <u>Specification Revisions</u>: The Engineer shall budget fifteen (15) hours of appropriate staff time for revisions or additions to the project specifications.
  - <u>Bidder Questions</u>: The Engineer shall budget fifteen (15) hours of appropriate staff time to address and respond to bidder questions.
  - <u>Pre-Bid Meeting</u>: During the bidding period, the Engineer shall attend one (1) two-hour pre-bid meeting that will be conducted by IRWD. This may include a site visit with potential bidding contractors.

LEE & RO will provide the above services per the enclosed Fee Breakdown Exhibit for a not to exceed amount of \$602,000.

If you have any questions, please call me at (858) 332-4284.

Sincerely,

Eric Lovering, P.E. Chief Engineer

Enclosures – Exhibit 1: Fee Breakdown

Exhibit: FY 2021-2022 Hourly Billing Rate Schedule A Exhibit: FY 2022 Other Direct Costs (ODC) Billing Schedule

# **Exhibit 1: FEE BREAKDOWN**

Santiago Hills Zone 5 to 6 and Zone C+ to E Booster Pump Stations

	ENGINEERING CLASSIFICATIONS: E8 Managing Eng, E7 Supervising Eng, E6 Principal Eng, E5 Senior			LEE & RO Hours per Labor Category							Labor	Other		
TASK	Eng, E3 Associate Engineer, T4 Designer, T3 Associate Designer, A2 Word Processor II (See Billing Rate	E8	E7	E6	E5	E3	T4	T3	A2	Total	Cost	Direct	Subs	TOTAL
NO.	Schedule for Entire Labor Classifications).				ing Rate					Hours		Costs	Subs	FEES
	PROJECT TASK DESCRIPTION	\$283	\$257	\$238	\$214	\$179	\$155	\$138	\$136		1.00	(ODCs)		
1	Project Management													
1.A	Weekly / Monthly Status Reports	26				16			10	52	\$11,582			\$11,582
1.B	Meetings and Workshops													
1.B.1	General Project Management and Design Development Meetings	24				24				48	\$11,088	\$100		\$11,188
1.B.2	Site Visits	2		10		10				22	\$4,736	\$300		\$5,036
1.B.3	Coordination Meetings with Agencies and Stakeholders		16			16				32	\$6,976	\$150		\$7,126
1.B.4	Preliminary Design Workshop	4				4				8	\$1,848	\$100		\$1,948
1.B.5	60% Design Review	4				4				8	\$1,848	\$100		\$1,948
1.B.6	90% Design Review	4				4				8	\$1,848	\$100		\$1,948
1.B.7	100% Design Review	4				4				8	\$1,848	\$100		\$1,948
1.C	QA/QC	40	60	40					24	164	\$39,524	\$100		\$39,624
	SUBTOTAL TASK 1 - PROJECT MANAGEMENT	108	76	50	0	82	0	0	34	350	\$81,298	\$1,050	\$0	\$82,348
2	Preliminary Design											·		
2.A	Electrical and Controls	2		16				12		30	\$6,030			\$6,030
2.B	Project Schedule	4			16					20	\$4,556			\$4,556
2.C	Opinion of Probable Construction Cost	2	4	4	4	12				26	\$5,550			\$5,550
2.D	Preliminary Design Report (PDR)	24		60		60	36		16	196	\$39,568	\$350		\$39,918
	SUBTOTAL TASK 2 - PRELIMINARY DESIGN	32	4	80	20	72	36	12	16	272	\$55,704	\$350	\$0	\$56,054
3	Final Design													. ,
3.A	Project Manual	36		36		42			36	150	\$31,170			\$31,170
3.B	Construction Plans	60	60	250		300	200	250		1,120	\$211,100			\$211,100
3.C	Utility Research					16	4			20	\$3,484		\$5,500	\$8,984
3.D	Electrical/Instrumentation	24	40	50		250	150	200		714	\$124,572			\$124,572
3.E	SCE Final Service Plan	2	2		20					24	\$5,360			\$5,360
3.F	Project Schedule	5			12					17	\$3,983			\$3,983
3.G	Opinion of Probable Construction Cost	4		4		12				20	\$4,232			\$4,232
3.H	Architectural Renderings			8		18	60			86	\$14,426			\$14,426
2.1	Geotechnical Investigation	2				4				6	\$1,282		\$21,000	\$22,282
2.J	Topographic Mapping	2				4				6	\$1,282		\$11,500	\$12,782
	Permits					16				16	\$2,864	\$600	. ,	\$3,464
2.L	Final Design Deliverables					40				40	\$7,160	\$1,208		\$8,368
	Addenda Preparation and Pre-Bid Meeting	4		16		40	5			65	\$12,875	. ,		\$12,875
	SUBTOTAL TASK 3 - FINAL DESIGN	139	102	364	32	742	419	450	36	2,284	\$423,790	\$1,808	\$38,000	\$463,598
												•		•
	TOTAL NOT TO EXCEED	279	182	494	52	896	455	462	86	2,906	\$ 560,792	\$ 3,208	\$ 38,000	\$ 602,000

# LEE & RO, Inc. FY 2021 -2022 HOURLY BILLING RATE SCHEDULE - A

(Effective From November 1, 2021 to October 31, 2022)

DERSOI	NNEL CLAS	SSIFICATION	BILLING RATES (\$/HOUR)
ENGINEERS	TIVEE CEA	SHICKHOK	(3/11001)
Engineer 8	E8	Managing Engineer	\$283
Engineer 7	E7	Supervising Engineer	\$257
Engineer 6	E6	Principal Engineer	\$238
Engineer 5	E5	Senior Engineer	\$214
Engineer 4	E4	Engineer	\$199
Engineer 3	E3	Associate Engineer	\$179
Engineer 2	E2	Assistant Engineer	\$155
Engineer 1	E1	Junior Engineer	\$138
CAD / DESIGNERS			
Designer 6	T6	Principal Designer	\$199
Designer 5	T5	Principal Designer	\$179
Designer 4	T4	Principal Designer	\$155
Designer 3	T3	Principal Designer	\$138
Designer 2	T2	Principal Designer	\$116
Designer 1	T1	Principal Designer	\$97
FIELD PROFESSIONALS			
Field Professional 5	F5	Senior Resident Engineer	\$214
Field Professional 4	F4	Resident Engineer	\$199
Field Professional 3	F3	Senior Inspector	\$179
Field Professional 2	F2	Inspector	\$155
Field Professional 1	F1	Assistant Inspector	\$138
ADMINISTRATIVE			
Administrative 4	A4	Senior Contract Manager	\$152
Administrative 3	A3	Contract Manager	\$141
Administrative 2	A2	Senior Word Processor	\$136
Administrative 1	A1	Word Processor / Admin. Assistant	\$121

# LEE + RO FY 2022 Other Direct Cost (ODC) Billing Rate Schedule

(Effective from November 1, 2021 to October 31, 2022)

Automobile Mileage	IRS Published Rate					
	\$0.08 / sheet (8.5 x 11 Bond B & W)					
	\$0.20 / sheet (8.5 x 11 Bond Color)					
In-house Reproduction	\$0.15 / sheet (11 x 17 Bond B & W)					
	\$0.50 / sheet (11 x 17 Color)					
	\$1.25 / sheet (24 x 36 Bond)					
Mylar Original Drawing	\$8.00 / sheet (24 x 36 or 22 x 34)					
Computers & Work Stations	No Charge					
Subconsultant Mark-up	Subconsultant Invoice Amount Plus 5%,					
	Unless Client Specifies Otherwise					
Bulk Reproduction by Outside Printing Firm	Invoice amount plus 10% Handling Charge					
Overnight Mailing, Air Fare, Project-Specific						
Software, Equipment Rental, etc.	At Cost					

#### **EXHIBIT "B"**



March 24, 2022

Transmitted via E-mail: Moeder@irwd.com

Cho@irwd.com

Jacob M. Moeder, P.E.
Engineering Manager, Dams & Storage
Irvine Ranch Water District
15600 Sand Canyon Ave.
Irvine, CA 92618

Reference: Proposal to Provide Engineering Services for the Santiago Hills (Orange Heights)

**Zone 6 Domestic Water Reservoir Project** 

Dear Mr. Moeder,

Tetra Tech is pleased to submit our proposal for engineering design services for the Santiago Hills (Orange Heights) Zone 6 Domestic Water Reservoir Project. We value the relationship that has been built with IRWD on our past reservoir projects, the 1.3 MG Fleming Zone 8 and the 3.7 MG Zone 1 Reservoirs. It is our desire to once again provide the same consistently diligent and faithful service to the District.

#### PROJECT BACKGROUND

IRWD's Santiago Hills (Orange Heights) Zone 6 Domestic Water Reservoir Project will support the new Irvine Community Development (ICDC) Santiago Hills II (SHII) development. The Irvine Company is now calling this development Orange Heights instead of Santiago Hills II development. Based on peak water and fire flow demands identified in the Santiago Hills II Sub Area Master Plan Update, a total volume of 2.4 million gallons (MG) will be needed to support the development. A new domestic water reservoir will be constructed, which will be fed by a new Zone 5-6 pump station that will be constructed at the site of the existing Zone 5 and Zone C+ reservoirs.

The general improvements that are associated with the Santiago Hills (Orange Heights) Zone 6 Reservoir include:

- New 2.4 MG buried concrete reservoir with a high water level (HWL) of 892 feet located at the northeast portion of the SHII Development;
- Reservoir appurtenances including internal tank mixer, chlorine analyzer, and reservoir subdrain system;
- New 12-inch diameter reservoir inlet, outlet, overflow and drainage pipelines, including isolation valve vault;
- On-site pipelines, including water main, storm drain and sewer main for future Reservoir Management System (RMS);
- Site improvements, including access road (alignment by others) from the development to the reservoir and provisions for installation for future RMS; and
- Electrical service and telemetry.

Kleinfelder was selected by IRWD to perform the design of the reservoir. The preferred reservoir location was selected by ICDC, Kleinfelder and the District. Kleinfelder submitted the Final Preliminary Design Report for the project on November 1, 2016. Kleinfelder submitted the 60% design of the Zone 6 Reservoir Project on November 17, 2016. The 60% design was not distributed for review by IRWD. IRWD informed Kleinfelder that the project was to be put on hold indefinitely as a result of a delay in beginning construction on the Santiago Hills II Development by ICDC. IRWD has requested Tetra Tech to prepare a proposal to pick up the design of the previously placed-on-hold Kleinfelder design.

#### **KEY PROJECT ISSUES**

IRWD has provided Tetra Tech with Kleinfelder's Final Preliminary Design Report (PDR) and their 60% plans. Based on our review of this information, Tetra Tech has identified the following as the key project issues that will need to be resolved to allow for the preparation of the final plans and specifications:

- IRWD will provide topographic mapping that was used by Kleinfelder in its preparation of the plans. Included will be the mapping horizontal and vertical control.
- IRWD will provide the CADD file from Kleinfelder, including coordinates for the access road alignment, pipe alignments and reservoir location.
- Confirmation of additional geotechnical boring. Based on the latitude and longitude of the center of the reservoir based on Kleinfelder's PDR, boring LGC-B14 was located almost on top of the reservoir location. Leighton, our geotechnical subconsultant, will review the available data and determine if an additional boring is required. Leighton may recommend that the boring not be performed until the mass grading by ICDC is completed in order to have the actual field geology to confirm no changes from the design assumptions.
- Verification of the Fire Agency and its requirements. Confirm: minimum width of fire lanes; maximum grade; minimum radius curves; is the site in the State Responsibility Area (SRA) and adopted high Fire Hazard Severity Zone (FHSZ); requirements of Fire Master Plan; and is a Conceptual Fuel Modification Plan required. Based on our preliminary review of the agency requirements, we are assuming the width, maximum grade and minimum radius may need to be changed (latest City of Orange Fire requirements).
- Confirmation of construction work area and turnaround by the reservoir.
- Confirm scope of grading to be completed by ICDC prior to reservoir construction and the limits of IRWD work and ICDC work regarding storm drain, water and electrical facilities. Also, confirm location of the stockpile.
- Confirm limits of terrace drain construction with ICDC work.
- Confirm with SCE the 12kV connection location.
- Review the Surge Report prepared by Flow Science.

The key design issue for Tetra Tech is to meet with ICDC to determine the site access requirements, restrictions, drainage and schedule of the mass grading of the site. Tetra Tech recommends consistent coordination meetings with ICDC to monitor mass grading and limits (point of connection) of the drain, water and electrical facilities. Coordination with ICDC will be required for future irrigation meter and pump as well as any coordination with the proposed Zone 5-6 Booster Pump Station.

#### **SCOPE OF SERVICES**

Members of our Project Team have performed a review of Kleinfelder's PDR and 60% plans as well as our previous proposal for this project. We have a good understanding of the work due to our previous reservoir projects with the District. The following is a summary of our anticipated scope of services.

#### **Task 1: Project Management**

Tetra Tech will conduct project management activities to ensure adherence to scope, schedule, and budget; promote efficient communication between Tetra Tech, IRWD, and others as required; and implement an effective quality assurance/quality control (QA/QC) program.

**A. Preparation of Project Status Reports.** Tetra Tech will prepare bi-weekly and monthly status reports. Each bi-weekly status report shall consist of a brief (one or two paragraphs) e-mail summarizing the activities

completed the previous week, the activities planned for the upcoming weeks, and critical decisions that need to be made.

Each monthly status report shall provide more detail, summarizing the work completed and reviewing work status relative to budget and schedule. The project schedule shall also be updated on a monthly basis, if needed.

**B.** Meetings and Workshops. Tetra Tech will organize, attend, and conduct meetings and workshops as required; prepare and submit meeting agendas for IRWD review and concurrence at least five days prior to the meeting; and prepare draft and final minutes for all meetings and workshops and submit them to IRWD within one week of the meeting. For budgeting purposes, Tetra Tech has assumed the following in-person meetings at a minimum.

Meeting/Workshop	Description
Kick-off meeting and follow up discussion of key issues	Two (2) one-hour meetings
Discussion of Fire Master Plan Requirements	One (1) two-hour meeting
Coordination meetings with jurisdictional agencies/ stakeholders including, but not limited to, Fire Agency, ICDC, and SCE	Five (5) two-hour meetings
Present Preliminary Basis of Design Update	One (1) two-hour meeting
Preliminary Basis of Design Update Review	One (1) two-hour meeting
Summary of Plan Changes from Kleinfelder 60% Submittal	One (1) two-hour meeting
Present the 60% design, discuss IRWD's comments, and discuss how the outstanding items were addressed	One (1) two-hour meeting
Present the 90% design, discuss IRWD's comments, and discuss how the outstanding items were addressed	One (1) two-hour meeting
Present the 100% design, discuss IRWD's comments, and discuss how the outstanding items were addressed	One (1) two-hour meeting
Final Plan Signing	One (1) two-hour meeting

C. Quality Assurance/Quality Control. Tetra Tech will develop and implement proven QA/QC measures throughout the project to ensure ongoing and consistent quality control throughout all project phases. As part of the QA/QC measures, Tetra Tech will capture comments from review meetings and submittals and thoroughly check the work product to ensure that comments are addressed.

#### Task 2: Basis of Design Update

In order for IRWD to have a paper trial of the design decisions, Tetra Tech will prepare a Basis of Design Update. The purpose of the Basis of Design Update is to verify the design decisions made in Kleinfelder's PDR. The report organization will follow the organization of Kleinfelder's PDR. Tetra Tech will provide any modifications, revisions, or additional design issues as an update to the previous submitted PDR. Tetra Tech will perform the following subtasks as part of the Basis of Design Update phase of the work. The subtasks shall be documented and compiled into the Basis of Design Update as summarized below.

**A. Background Information.** Tetra Tech will provide a comprehensive review of existing documents including: Kleinfelder's PDR and 60% plan submittal; geotechnical reports; surge report; CAD base files and topographic mapping; and previous correspondence provided by IRWD.

- **B.** Fire Authority. Tetra Tech will contact the City of Orange Fire Department and Orange County Fire Authority to confirm the correct regulatory agency, the minimum width of fire lanes, maximum grades and horizonal curves for Fire Master Plan requirements and if a Conceptual Fuel Modification Plan is required. Based on search on the web, the City of Orange Fire requirements have changed since 2016, and the latest requirements are: 28 feet minimum width for hazardous fire areas (PDR and 60% have 20 feet); maximum grade of 12% (PDR and 60% are greater than 12% at two locations); and a minimum of 56 feet between compound curves (PDR and 60% have four feet).
- C. Additional Geotechnical Work. Tetra Tech and Leighton will perform detailed review of the existing geotechnical reports and borings to determine if an additional boring is required prior to the proposed ICDC mass grading. Based on findings, Leighton will provide their recommendation whether a boring is required prior to the mass grading. Leighton may recommend that the boring not be performed until the mass grading by ICDC is completed in order to have the actual field geology to confirm no changes from the design assumptions.
- D. Update Background, Design Requirements and Existing Conditions. Tetra Tech will update the first two sections of the PDR based on the existing direction provided by IRWD and the latest information provided by ICDC.
- E. Update Site Design. Tetra Tech will revise the grading of the access road as required to meet the Fire Agency requirements for minimum width and slope and provide the required turn around capabilities on top of the reservoir. This will allow for the future RMS building and/or will allow the potential for fire agency to use the road to fight any potential fire within the property. Tetra Tech is not planning to re-evaluate the location of the reservoir. Tetra Tech is basing our budget on providing a new access road (holding to 28 feet wide, 10% slope (to the turnaround location) and horizontal curve requirements) and will not be evaluating alternative alignments.
- **F. Reservoir Structural Design.** Tetra Tech will perform the structural calculations for the reservoir based on the latest building code and reference codes. The reservoir roof will be designed for support fire engines or H-20 loading, whichever is greater. Based on the results, Tetra Tech will summarize any impacts to the design as previously done by Kleinfelder.
- **G. Reservoir Appurtenances.** Based on lessons learned from Fleming Tank and the Zone 1 Reservoir project, Tetra Tech will provide recommendations for any changes to the reservoir appurtenances, pipe connections, subdrain facilities, reservoir mixing, etc.
- **H. Site Layout.** Tetra Tech will review the recommended layouts, site piping and appurtenances to confirm there are recommended by Tetra Tech. Based on our preliminary review, we are not assuming an evaluation of alternatives will be needed. Once the access road alignment and profile has been revised, the corresponding piping alignment and profile will be revised as well.
- I. Drain and Valve Vaults. Based on lessons learned from Fleming Tank and the Zone 1 Reservoir project, Tetra Tech will provide recommendations for any changes to the two vault structures. We anticipate only minor changes, if any, will be determined to be required.
- J. Future RMS Facility. IRWD will revisit the potential future need of the RMS facility. Tetra Tech will provide support as requested by IRWD to assist in determining if the RMS facility is required. It is recommended that the Fire Master Plan be prepared now if the RMS facility may be required in the future.
- **K. Electrical Design.** Based on lessons learned from Fleming Tank and the Zone 1 Reservoir project, Tetra Tech will provide recommendations for any changes to the electrical design. We anticipate only minor changes, if any, will be determined to be required.

- L. Regulatory Permits and Approvals. Tetra Tech will update the section regarding regulatory permits and approvals based on our latest reservoir projects. We are assuming a more focused summary of the requirements for the Fire Master Plan and ultimate approval from the Fire Agency due to the fire potential in the project area.
  - Tetra Tech will make applications and secure all permits with appropriate agencies. The permit acquisition process shall be initiated as early as practical to avoid project delay. Copies of completed permits and approvals shall be inserted in the appendix of the Project Manual. IRWD will reimburse Tetra Tech for actual permit fees without surcharge. Tetra Tech will include a \$5,000 allowance within their budget for the payment of permit fees in addition to the labor effort described above.
- **M.** Construction General Permit. Our proposal is based on the assumption that TIC will prepare a SWPPP for the overall project and IRWD's contractor will need to follow the provisions of TIC's SWPPP.
- **N. WQMP.** Tetra Tech will evaluate and provide a summary of the requirements for a WQMP similar to what was done on the Fleming Reservoir Project. This work will need to be coordinated with ICDC and the City of Orange but will not be submitted to the City for review and approval. For budgeting purposes, we have assumed similar facilities as designed for the Fleming Reservoir Project.
- O. City of Orange. Tetra Tech has assumed that the grading plans will not be submitted to the City of Orange for review and comments. We are assuming that ICDC will submit its mass grading plans to the City for approval.
- P. SCE Coordination. Tetra Tech will continue the coordination with SCE for the new electrical service.
- **Q. Construction Phasing and Sequencing.** Tetra Tech will update the construction phasing and sequencing based on discussions with ICDC and the District.
- **R. Plans, Specifications, Schedule and Cost Estimate.** Tetra Tech will update the anticipated plans, specifications, design and construction schedule and the engineer's opinion of probable construction costs.
- S. Basis of Design Update. The work described above shall be summarized and compiled into a Basis of Design Update. At a minimum, the Basis of Design Update shall summarize the results of the subtasks identified above along with additional design criteria identified by Tetra Tech during this phase of the work.
  - One (1) electronic copy in PDF of Draft Basis of Design Update shall be submitted for review. Upon resolution and incorporation of review comments, five (5) copies of the final Basis of Design Update and one (1) electronic copy in PDF shall be submitted. The final Basis of Design Update shall be submitted prior to proceeding with the 60 percent design deliverable.
- **T. ICDC Coordination.** Throughout this phase of the work, Tetra Tech, in conjunction with IRWD, will continue its coordination with ICDC for the design of the project, including schedule and proposed mass grading. For this proposal, we have assumed one (1) virtual meeting per month for this coordination effort.

#### Task 3: Final Design

The final design shall result in the preparation of the Contract Documents. In the final design phase, Tetra Tech will address the items discussed hereunder.

**A. ICDC Coordination.** Throughout this phase of the work, Tetra Tech, in conjunction with IRWD, will continue its coordination with ICDC for the design of the project, including schedule and proposed mass grading. For this proposal, we have assumed one (1) virtual meeting per month for this coordination effort.

- **B.** Fire Master Plan. Tetra Tech will prepare the required Fire Master Plan and Conceptual Fuel Modification Plan as required by the Fire Regulatory Agency. Tetra Tech has assumed a total of three (3) submittals and re-submittals will be required to get approval.
- C. Project Manual. Tech will prepare a Project Manual in standard IRWD format. IRWD's front end documents shall be utilized, and Tetra Tech will assess IRWD's documents to determine any needed supplemental general/special provisions that should be added to comply with IRWD's general provisions and front end requirements. The Project Manual shall describe the allowable shutdown durations and sequencing associated with any connections and tie-ins to existing IRWD facilities. The Project Manual shall also include the IRWD General Technical Specifications, modifications thereto, and any project specific technical specifications.
- D. Construction Plans. Tetra Tech will prepare detailed construction drawings in the latest version of AutoCAD and using NCS V4.0 layering standards, on 22-inch x 34-inch sheets utilizing IRWD's standard border template. Separate sheets with sheet index/location map/legend, general notes, index map, construction notes, condensed profiles, phasing, and detail connections shall be included. Construction notes shall be used (callouts on the plans are not allowed) on all construction drawings. Existing IRWD utilities shall be identified on the plan view by as-built plan set number with the pipeline material and IRWD pressure zone labeled. The index map shall include sheet legend, final alignment, valve locations, surrounding streets, and significant project site locations. Construction plans shall be prepared using the NAVD 88 and NAD 83 survey standards.

The following is a summary of the drawings that we envision for the project:

Sheet Title
General Sheets (4 sheets)
Construction Notes
Horizontal Control Plan (3 sheets)
Existing Site and Vegetation
Overall Site Plan
Fire Master Plan
Construction Phase Grading Plan (40 scale)
Construction Phase Cross Sections and Site Details
Final Grading Plan (40 scale)
Grading Cross Sections (2 sheets)
Site Drainage Plan
Grading and Drainage Details (2 sheets)
Erosion Control Plan
Access Road Plan and Profile (3 sheets)
Access Road Cross Sections
Reservoir Site Plan and Precise Grading at Reservoir (10 scale)
Drain and Valve Vault Site Plan and Precise Grading Plan (10 scale)
Future RMS Site Layout Plan (10 scale)
Site Details including Subgrade Preparation
Gate and Fencing Details
Fire Agency Details
Reservoir Yard Piping Plan

Sheet Title
Reservoir Subdrain Piping Plan
Inlet/Outlet Plan and Profile (3 sheets)
Drain/Overflow Pipe Plan and Profile (2 sheets)
Piping Details (2 sheets)
Connection Details
Miscellaneous Details
Reservoir Subdrain Details
Reservoir Access Hatches/Ladders
Reservoir Piping Details (2 sheets)
Reservoir Miscellaneous Appurtenances (2 sheets)
Drain Vault Plan and Section
Valve Vault Mechanical Plan and Section (2 sheets)
Vault Details
Biofiltration Plan, Section and Details
General Structural Notes and Special Inspection Requirements (2 sheets)
Foundation Plan
Roof Deck Plan
Partial Roof Deck Reinforcing Plan
Typical Reservoir Sections
Roof Deck Sections
Wall Section and Elevations
Typical Structure Details
Foundation Details
Wall Details
Roof Deck Details
Miscellaneous Structural Details (2 sheets)
Electrical Symbols and Abbreviations
Electrical Site Plan
Reservoir Area Site Plan
Lower Area Site Plan and Valve Vault Plan
Power Site Plan
I&C Site Plan
Single Line Diagram and Electrical Schedules
Elevation Drawings and Panel Schedule
Lighting and Grounding Plan
Electrical Details (2 sheets)
I&C Symbols and Abbreviations
PLC Loop Diagram (3 sheets)
P&ID (2 sheets)
Control Panel Layout and System Architecture
Total Number of Sheets: 84 sheets

- **E. Geotechnical Investigation.** Tetra Tech has included the budget to perform a geotechnical boring at the reservoir site in case it is recommended. Leighton Consulting, Inc., as a subconsultant to Tetra Tech, will perform the work and will prepare an updated report.
- F. Field Survey Confirmation. Tetra Tech has assumed that a field survey after ICDC has completed the rough grading of the access road and the reservoir site will be valuable and desired by IRWD. Tetra Tech will perform the following topographic survey after the rough grading: 50 foot cross sections of the completed rough grading access road as well as the proposed water tank location. The survey will collect all topographic site features as well as surface utilities using a combination of Trimble R8 GPS and Trimble S6 Robotic Total Station Equipment. The survey will be tied horizontally to the California State Plan Coordinate System (NAD83) and vertically to the Orange County Public Works benchmark control network (NAVD88). All survey work performed by Tetra Tech will be under the direct supervision of a Professional Land Surveyor licensed in the State of California.
- **G. Electrical/Instrumentation.** Tetra Tech will prepare an operational scheme including P&IDs, single line diagrams, PLC loop drawings, control equipment list, and method of integrating the proposed facilities into IRWD's existing SCADA system. Prior to this process, Tetra Tech will meet with IRWD electrical/automation staff to incorporate IRWD's standard operations, PLC and SCADA programming, and equipment tagging requirements into the design. Tetra Tech will develop and provide the operational scheme and functional descriptions (in plain English) for District review and approval.
- **H. SCE Final Service Plan.** Tetra Tech will coordinate with SCE early in the design process to obtain the Final Service Plan, which shall be inserted in the appendix of the Project Manual. This task shall include the coordination efforts necessary to communicate the project requirements, address any comments from SCE, and implement all requirements into the project design.
- Project Schedule. Tetra Tech will maintain and consistently update the project schedule, which shall include detailed schedules for both design and construction activities. The schedule shall include all critical factors impacting the project schedule including implementation, permitting, and coordination activities to ensure that the project is completed in accordance with the proposed schedule. The schedule shall be prepared in Microsoft Project.
- J. Liquidated Damages Spreadsheet. Tetra Tech will assist in calculating the liquidated damages value for the construction project, should the contract time be exceeded. IRWD's standard liquid damage calculation form will be provided.
- **K. Opinion of Probable Construction Cost.** Tetra Tech will prepare a detailed and itemized opinion of probable construction cost for the proposed facilities, which shall be updated and submitted with each of the design deliverables described below.
- L. Final Design Deliverables. Deliverables shall be made as follows:
  - 1. One (1) CD or a OneDrive link or Dropbox of the 60 percent submittal containing a single PDF file of the entire plan set. Show civil/site, preliminary reservoir plans and sections, mechanical, and electrical plans. Show basic mechanical equipment, structural layouts, pipeline alignments, preliminary profiles, and existing utilities at a minimum. Provide a complete table of contents for the Project Manual.
  - 2. One (1) CD or a OneDrive link or Dropbox of the 90 percent submittal containing a single PDF file of the entire plan set. Show concepts of each component of the design such as civil, structural, mechanical, electrical and instrumentation. Show plan, profile, connections, details, and location of appurtenances. Plan and profile drawings and mechanical details/drawings shall be developed to a high level of detail.

Provide three (3) color coded copies of the 90 percent Project Manual, including all sections; contract documents, general & special provisions, general requirements, technical specifications, and appendix.

- 3. One (1) CD or a OneDrive link or Dropbox of the 100 percent submittal containing a single PDF file and the AutoCAD files of the entire plan set. Include complete plans and three (3) color coded copies of the Project Manual, a notebook with the design calculations (including, but not limited to, mechanical, civil, structural, electrical, pipe thickness and restraint), and one (1) CD containing all MS Word files used in the preparation of the Project Manual.
- 4. One (1) full size final stamped and signed reproducible plan set on bond and one (1) original signed Project Manual for District's signatures.

#### Task 4: Bid Phase Services

During the bidding period, Tetra Tech will assist with providing information and clarification of bid documents to prospective bidders. Tetra Tech will include budget for the preparation of up to three (3) addenda including revisions to the design plans and specifications and assistance with addressing bidder questions. At a minimum, addenda preparation activities shall include:

- *Plan Revisions:* Tetra Tech will budget ten (10) hours of appropriate staff time for plan revisions to the construction drawings.
- **Specification Revisions:** Tetra Tech will budget ten (10) hours of appropriate staff time for revisions or additions to the project specifications.
- **Bidder Questions:** Tetra Tech will budget fifteen (15) hours of appropriate staff time to address and respond to bidder questions.
- **Pre-Bid Meeting:** Tetra Tech will prepare for and conduct one (1) two-hour pre-bid meeting and shall provide agendas, exhibits, sign-in sheet, and minutes for the meeting. This may include a site visit with potential bidding contractors.

#### **SCHEDULE**

Tetra Tech has reviewed the project scope of services and understand the importance of the schedule. We are familiar with the project site and understand the purpose of the work and the extent of our efforts which will be necessary to complete the project. In addition, our project team's familiarity with IRWD standards and our past experience with reservoir design will be valuable to meeting and accelerating your schedule. Tetra Tech has reviewed the current and planned workload for our project team. They are available to immediately begin work on this project.

Tetra Tech will meet the following significant project milestones:

Task Milestone	Date
Notice of Award (Design)	April 26, 2022
Kick-off Meeting	May 4, 2022
Draft Basis of Design Update Submittal	June 8, 2022
Final Basis of Design Update Submittal	June 29, 2022
60% Design Submittal	July 27, 2022
90% Design Submittal	October/November 2022
100% Design Submittal	December 2022
Plans Approved	January 2023

#### **PROJECT TEAM**

For this project, we are proposing the following Project Team:

Project Manager:Tom Epperson, P.E.Team Leader:Mike Tsoi, P.E.QA/QC:Ken Berard, P.E.Mechanical/Piping Technical Lead:Erin Cabanero, P.E.

**Grading/Site/WQMP/SWPPP:** Nate Schreiner, P.E., QSD

Electrical/Controls Lead: Mazen Kassar, P.E.
Structural Lead: Eric Yuen, P.E., S.E.

Subconsultants: Geotechnical – Leighton Consulting, Inc.; Survey will be performed by Tetra Tech staff.

Resumes of most of these team members were included within our November 21, 2019 proposal for the Fleming Zone 8 Tank and Zone 8 to 9 Booster Pump Station Project. All of the team members were involved in the design of both the Zone 1 Reservoir and the Fleming Zone 8 Tank projects. We can provide you with project specific resumes if you request.

#### PROJECT TEAM EXPERIENCE

In general, our project team's experience was described in our June 7, 2016 proposal for Santiago Hills Zone 6 Domestic Water Reservoir proposal (Reservoir, IRWD Design and Extensive Grading Experience). In addition, our November 21, 2019 proposal for Fleming Zone 8 Tank updated our reservoir and IRWD design experience. The following is a summary of our reservoir experience.

#### **Reservoir Experience**

During the last 18 years, our Project Team has designed over 24 prestressed concrete tanks within Southern California. The following table summarizes the experience of our Project Team on all reservoir projects, not just on prestressed concrete tanks.

Type of Tank	Last 8 Years (2014 to 2021)	From 2009 to 2013	From 2004 to 2008	Total During Last 15 Years
Prestressed Concrete	8	3	13	24
Reinforced Concrete	11	2	11	24
Steel Tank	4	1	9	14
Subtotal	23	6	33	62

Therefore, our project team is high on the learning curve and can apply their expertise to addressing and resolving your project issues in a cost-effective and timely manner. We feel our best reference is the latest two reservoir projects that the project team has completed for IRWD: Fleming Zone 8 Tank and Zone 1 Reservoir Projects. Our project team knows IRWD's design procedures and standards, electrical and P&ID standards, preferred materials, and operational preferences which will allow us to complete the design in the most cost-effective and timely manner.

#### **MISCELLANEOUS**

Joint Venture. No joint ventures will be used on the project.

Conflict of Interest. Tetra Tech has no Conflicts of Interest on this project.

**Insurance.** Tetra Tech has insurance coverage in the limits required for your typical projects.

#### **SUMMARY OF FEE**

Tetra Tech will perform the work for the above scope of services for the following not-to-exceed fee amount.

Scope of Services	Budget
Task 1: Project Management	\$43,000
Task 2: Basis of Design Update	\$99,900
Task 3: Final Design	\$331,600
Task 4: Bid Phase Services	\$9,500
Total Not-to-Exceed Amount	\$484,000

We have included herewith our staff hourly breakdown per task as well as our Hourly Rate Schedule.

Thank you for giving us the opportunity to submit our proposal, we look forward to working with you. Should you require additional information or have any questions, please feel contact me at 949/809-5156 or via email at tom.epperson@tetratech.com.

Sincerely,

Tom Epperson, PE Vice President

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<b>℡</b> Price Proposal									Labor Pla	1							Price Summary ,			
•									16 Resource										Pricing Totals	484,00
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	Proj Area >	cal	QA/QC	cal	cal	Site	Site	cal	cal cal	Structures	Structures	Structures	Structures	ntrols	ntrols	ntrols			Total Price	484,000
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Project Phases / Tasks	2,858	48	60	260		20	182	544		4 8	84		124	86	204	212	0.00% 428,830	45,609	9,561	484,000
Fask 1: Project Management	176	28	60	64	-	-	-	-	-	4 8	-	-	-	12	-	-	42,580	-	420	43,000
Project Status Reports (16 biweekly/ 8 monthly)	32	8		24													6,680		100	6,680
Meetings (15)  Constructability Review and QA/QC	64 80	20	60	40						4 8				12			13,880 22,020		420	14,300 22,020
Fask 2: Basis of Design Update	450	8		70	124	8	52	120	8	4 -	12	12	-	12		4	71,890	22,425	5,585	99,90
Review Background Information	34	2		4	8			4			4	4		4	4		6,400	-	-	6,40
Fire Authority: Agency and Requirements	10			4		1											1,650			1,65
Additional Geotechnical Work  Update Background and Design Requirements	14		1	2	2		-	4			4				-	-	2,390 330	22,425		24,81
Update Existing Conditions	10			2	_			4				1					1,510			1,51
Site Design - Access (Revise alignment/profile)	76			8			40				<u> </u>		<u> </u>				11,740			11,74
Site Design - Turn around	20			2	4	2	8	4									3,150			3,15
Reservoir Structural Design (Current Code) Update Reservoir Appurtenances	12 24			4	8			12			4	8					1,920 3,540			1,920 3,540
Update Reservoir Appurtenances Update Reservoir Mixing	6			2	_			12				1					3,540			990
Update Reservoir Piping Connections	14			2				8									2,030			2,030
Update Reservoir Sub-drain/footing drain	10			2				4									1,510			1,510
Update Site Layout (Revise Piping plan/profile) Update Reservoir Drain Vault	42 14			6				24 8									6,090 2,030			6,09 2,03
Update Reservoir Valve Vault	14			2	_			8									2,030			2,03
Update Future RMS Facility	14			2	_			8									2,030			2,030
Update Electrical Design	16													4	8	4	2,880			2,880
Update Regulatory Permits and Approvals	8			2													1,320		5,000	6,320 1,980
Fire Master Plan Requirements  Construction General Permit (WQMP)	12 20			2		2	4	8	4								1,980 2,810			2,810
SCE Coordination	8													4	4		1,820			1,820
Update Construction Phasing and Sequencing	8			2	_	+											1,320			1,320
Prel. Design Plans/Specs/Estimate/Schedule Basis of Design Report	22 32	2		4 8	_	-		8	4	4							3,700 5,400		585	3,700 5,98
ICDC Coordination	8	4		4				4	4	4							1,320		363	1,32
Task 3: Final Design	2,184	6	-	112		12	130	424	442 1	6 -	- 68	140	120	58	182	208	304,860	23,184	3,556	331,60
ICDC Coordination	8			4	4												1,320			1,320
Fire Master Plan	20			2				8		2		1					2,930			2,930
Project Manual Construction Plans	54	4		8	12					8	2	8		4	8		9,520			9,520
General Sheets (5 sheets)	70			4	16			20	30								8,900			8,90
Horizontal Control Plans (3 sheets)	28							12	16								3,160			3,160
Existing Site and Vegetation	14				2			4	8								1,650			1,65
Overall Site Plan Fire Master Plan	26 24			2	6	+		8	12 12								3,230 2,970			3,230 2,970
Grading and Drainage Plans (9 sheets)	292			14			90		80								39,970			39,970
Access Road (4 sheets)	114			12	16		16		30								15,220			15,22
Specific Site Plans and Precise Grading (3 sheets)	76			6		+		30	24								9,930			9,93
Site and Gate Details (2 sheets) Fire Agency Site Details	44 18			2	_			12	24 12								5,280 2,190			5,28 2,19
Piping Plans and Profiles (7 sheets)	130			8				56	50								16,240			16,24
Piping Details (5 sheets)	96			6				30	40								12,190			12,19
Reservoir Details (5 sheets)	98			6				40	40								12,170			12,17
Drain & Valve Vault Plan, Sections, Details (4 sheets)  Biofiltration Plan, Section and Details	104 30			8				40 8	32 12								13,680 4,110			13,68 4,11
Structural Plans (14 sheets)	300				4	4		0	14		60	120	120				43,800			43,80
Electrical Plans (11 sheets)	198													22		110	29,260			29,26
Instrumentation Plans (7 sheets)	144						-							14	60	70				21,32
Final Drainage Report  Geotechnical Investigation	48 8			4	16	+	24		4	2	2	1					7,300 1,340	16,675		7,30 18,01
Field Survey Confirmation	4				2			2		-	<del>                                     </del>		<del> </del>				590	6,509		7,09
Electrical/Instrumentation	40													8	24	8	6,960	3,223		6,96
SCE Final Service Plan	18													2		8	2,730			2,73
Schedule/LDs/Probable Costs Final Deliverables	44 134	2	-	12			-	8 40	16	4	2		1	6		12	7,450 19,450		3,556	7,45 23,00
Final Deriverables  Fask 4: Bidding Assistance	48	6	_	14			_	40	-		. 4		4	4		- 12	9,500	_	3,330	9,50
Pre-Bid Meeting	8			4							1		-	-			1,320		-	1,32
Addenda (plan & spec revisions, questions)	40	6		10	6	<u></u>					4	<u> </u>	4	4	6		8,180			8,18
Totals	2,858	48	60	260	400	20	182	544	450	4 8	84	152	124	86	204	212	0.00% 428,830	45,609	9,561	484,00



2022 HOURLY CHARGE RATE AND EXPENSE REIMBURSEMENT SCHEDULE

Project Management		Construction	
Project Manager 1	\$220.00	Construction Project Rep 1	\$80.00
Project Manager 2	\$270.00	Construction Project Rep 2	\$90.00
Sr Project Manager	\$305.00	Sr Constr Project Rep 1	\$105.00
Program Manager	\$340.00	Sr Constr Project Rep 2	\$120.00
Principal in Charge	\$340.00	Construction Manager 1	\$170.00
,		Construction Manager 2	\$190.00
Engineers		Construction Director	\$235.00
Engineering Technician	\$37.00		
Engineer 1	\$100.00	General & Administrative	
Engineer 2	\$115.00	Project Assistant 1	\$67.00
Engineer 3	\$130.00	Project Assistant 2	\$75.00
Project Engineer 1	\$150.00	Project Administrator	\$95.00
Project Coordinator	\$165.00	Sr Project Administrator	\$120.00
Project Engineer 2	\$165.00	Sr Graphic Artist	\$130.00
Sr Engineer 1	\$175.00	Technical Writer 1	\$97.00
Sr Engineer 2	\$185.00	Technical Writer 2	\$124.00
Sr Engineer 3	\$210.00	Sr Technical Writer	\$155.00
Principal Engineer	\$300.00		
Planners		Information Technology	<b>.</b>
Planner 1	\$104.00	Systems Analyst / Programmer 1	\$77.00
Planner 2	\$115.00	Systems Analyst / Programmer 2	\$115.00
Sr Planner 1	\$125.00	Sr Sys Analyst / Programmer 1	\$130.00
Sr Planner 2	\$151.00	Sr Systems Analyst / Programmer 2	\$196.00
Sr Planner 3	\$175.00		
		Project Accounting	
Designers & Technicians	<b>*</b>	Project Analyst 1	\$90.00
CAD Technician 1	\$65.00	Project Analyst 2	\$114.00
CAD Technician 2	\$75.00	Sr Project Analyst	\$155.00
CAD Technician 3	\$90.00		
CAD Designer	\$105.00	Reimbursable In-House Costs:	<b>.</b>
Sr CAD Designer 1	\$125.00	Photo Copies (B&W 8.5"x11")	\$ 0.15/Each
Sr CAD Designer 2	\$150.00	Photo Copies (B&W 11"x17")	\$ 0.40/Each
CAD Director	\$155.00	Color Copies (up to 8.5"x11")	\$ 2.00/Each
Survey Tech 1	\$50.00	Color Copies (to 11"x17")	\$ 3.00/Each
		Compact Discs	\$10/each
Health & Safety		Large format copies	\$0.40 S.F.
H&S Administrator	\$95.00		<b>.</b>
Sr H&S Administrator	\$115.00	Mileage-Company Vehicle	\$0.80/mile
H&S Manager	\$145.00	Mileage-POV	\$0.55/mile*
		*current GSA POV mileage rate subject	to change

All other direct costs, such as production, special photography, postage, delivery services, overnight mail, printing and any other services performed by subconsultant will be billed at cost plus 15%.

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April 25, 2022

Prepared by: W. James / M. Cortez

Submitted by: K. Burton

Approved by: Paul A. Cook

#### ACTION CALENDAR

# WOODBRIDGE RECYCLED WATER PIPELINE REPLACEMENT CONSTRUCTION AWARD

#### SUMMARY:

The Woodbridge Recycled Water Pipeline Replacement will replace asbestos cement recycled water pipelines that have reached the end of their useful life in the Woodbridge community of Irvine. Staff recommends the Board:

- Authorize a budget increase for Project 11571 in the amount of \$4,200,000, from \$11,018,000 to \$15,218,000, and
- Authorize the General Manager to execute a construction contract with E.J. Meyer Company in the amount of \$11,959,999 for the Woodbridge Recycled Water Pipeline Replacement.

#### BACKGROUND:

This is IRWD's first major pipeline replacement project and it will replace approximately ten miles of asbestos cement pipe of the recycled water system in Woodbridge. The recycled water system serving the area was originally constructed between 1975 through 1981 and these pipelines have experienced multiple failures in recent years. Most of the new pipe will be installed in East and West Yale Loops. A project site map is provided as Exhibit "A".

The design has been coordinated with the City of Irvine and the Woodbridge community's multiple schools, parks, and the Woodbridge Village Association. To reduce impacts to schools and traffic, the construction of new pipelines adjacent to schools will occur during Irvine Unified School District's summer recess from June 5 to August 17, 2022. To allow the contractor to begin working during the upcoming summer and mitigate the current business market and long delivery times for materials, IRWD has pre-purchased approximately 10,000 feet of PVC pipe and ductile iron fittings for delivery before the end of May. The remainder of the materials needed for the project will be procured by the contractor.

#### Construction Bid Process:

In May 2021, IRWD retained West Yost to provide engineering design services for the project. West Yost completed the design and staff approved the construction plans and advertised the project for construction bidding to a select list of 18 pipeline contractors on March 15, 2022. The bid opening was held April 14, 2022. Seven bids were received and are summarized in the following table:

Action Calendar: Woodbridge Recycled Water Pipeline Replacement Construction Award

April 25, 2022

Page 2

Bidder	Bid Amount
E.J. Meyer Company	\$11,959,999
Vido Artukovich & Son, Inc./	
Vidmar Inc. A JV	\$13,943,840
T.E. Roberts, Inc.	\$14,323,924
Ferreira Construction Co, Inc.	\$16,214,102
CCL Contracting, Inc.	\$16,370,456
Sukut Construction, LLC	\$16,449,805
Paulus Engineering, Inc.	\$22,154,526
Engineer's Estimate	\$16,280,000

E.J. Meyer Company was the apparent low bidder with a bid of \$11,959,999, and the bid information is provided in Exhibit "B". The bids ranged from 26% lower to 36% higher than the engineer's estimate of \$16,280,000. The difference between the low bid and the engineer's estimate can be attributed to the engineer's estimate having higher costs for bid items including traffic control, trench safety measures, potholing, installation of pipe, and bore and jack installations. E.J. Meyer has extensive experience with pipeline installation and is well qualified to construct the improvements.

#### Schedule:

Installation of pipelines adjacent to schools will occur during summer to mitigate construction impacts, and pipe materials have been pre-purchased in consideration of current delivery times to allow the contractor to begin work this summer. Should the contractor not be able install the approximately 10,000 feet of pipe in these school areas during the 2022 summer recess, the construction contract time was extended to end in August 2023 to allow the contractor to complete the work next summer. This extended contract time also provides time for the protracted delivery of the remainder of the materials required.

#### **Community Outreach:**

Because the project will replace ten miles of pipeline throughout the Woodbridge community, staff has already begun outreach to the community regarding the project. In March, the District met with the Woodbridge Village Association (WVA) to brief the association on the project and to introduce WVA's Executive Director and landscape/maintenance team leads to the IRWD staff working on the project. WVA and IRWD are communicating, and will continue to coordinate on water shutoffs, irrigation schedules and community outreach. For example, an article explaining the project will be included in WVA's May "*Reflections*" newsletter. The article will inform residents about the work taking place and note that heavily traveled to points of interest, such as schools and community facilities, are scheduled for construction during off-season periods. Staff has also reached out to the Irvine Unified School District (IUSD) to update them on the project and to communicate about the construction taking place around IUSD schools over the summer break.

Action Calendar: Woodbridge Recycled Water Pipeline Replacement Construction Award

April 25, 2022

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Additional outreach is planned as the project progresses, and IRWD's project webpage, <u>IRWD.com/WoodbridgePipelineProject</u>, will continue to be updated to give residents easy access to project updates once construction begins.

#### FISCAL IMPACTS:

Project 11571 is included in the FY 2021-22 Capital Budget. A budget increase is required to fund the construction and engineering support services for the project as shown in the table below.

Project		Addition	Total
 No.	Current Budget	<reduction></reduction>	Budget
11571	\$11,018,000	\$4,200,000	\$15,218,000

#### ENVIRONMENTAL COMPLIANCE:

This project is exempt from the California Environmental Quality Act (CEQA) as authorized under the California Code of Regulations, Title 14, Chapter 3, Section 15302 which provides exemption for the replacement or reconstruction of existing utility systems and/or facilities structures and facilities where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as to structure replaced. A Notice of Exemption for the project was filed with the County of Orange on May 12, 2021.

#### COMMITTEE STATUS:

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

#### **RECOMMENDATION:**

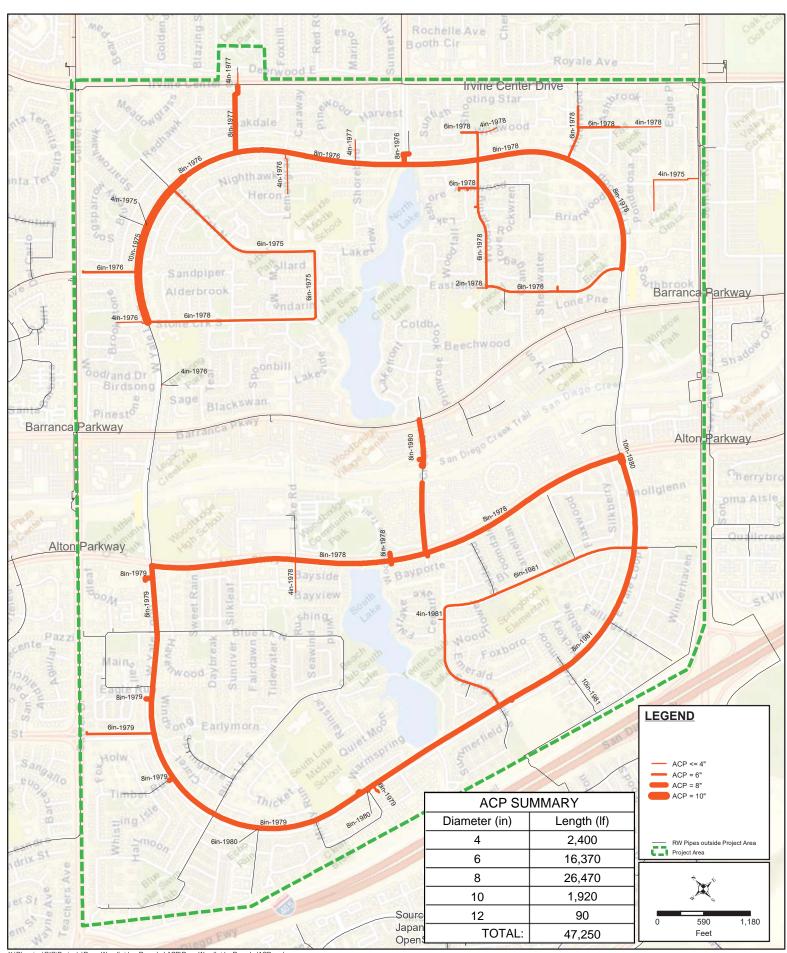
THAT THE BOARD AUTHORIZE A BUDGET INCREASE FOR PROJECT 11571 IN THE AMOUNT OF \$4,200,000, FROM \$11,018,000 TO \$15,218,000, AND AUTHORIZE THE GENERAL MANAGER TO EXECUTE A CONSTRUCTION CONTRACT WITH E.J. MEYER COMPANY IN THE AMOUNT OF \$11,959,999 FOR THE WOODBRIDGE RECYCLED WATER PIPELINE REPLACEMENT, PROJECT 11571.

#### LIST OF EXHIBITS:

Exhibit "A" – Project Site Map

Exhibit "B" - Bid Results

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#### **Bid Results**

#### **Bidder Details**

Vendor Name E.J. Meyer Company

Address PO Box 277

Highland, California 92346

United States

Respondee MICHAEL L. CORCORAN

Respondee Title PRESIDENT
Phone 909-425-4025

Email ejmeyerco@aol.com

Vendor Type CADIR License # 218385 CADIR 1000002087

#### Bid Detail

Bid Format Electronic

Submitted 04/14/2022 12:25 PM (PDT)

Delivery Method Bid Responsive

Bid Status Submitted Confirmation # 287821

# Respondee Comment

# **Buyer Comment**

#### Attachments

 File Title
 File Name
 File Type

 EJ\_MEYER\_PROPOSAL.pdf
 EJ\_MEYER\_PROPOSAL.pdf
 Bid Form

# Subcontractors

#### Showing 6 Subcontractors

Name & Address	Desc	License Num	CADIR	Amount	Туре
All American Asphalt 400 E. Sixth Street Corona, California 92878	GRIND AND OVERLAY AND SLURRY SEAL	267073	1000001051	\$980,000.00	CADIR
<b>Cell-Crete</b> 135 E Railroad Ave Monrovia, California 91016	PIPE ABANDONMENT	243404	1000000262	\$79,000.00	
Golden State Boring & Pipe Jacking, 7000 Merrill Ave. Box 40 Chino, California 91761	BORE AND JACK	678500	1000005788	\$62,000.00	CADIR
Griffin Contract Dewatering 7000 Jurupa Ave Riverside, California 92504	DEWATERING	1009641	1000033028	\$60,000.00	
SIERRA PACIFIC ELECTRICAL 2542 AVALON STREET JURUPA VALLEY, California 92509	LOOPS AND VIDEO DETECTION	264048	1000004626	\$40,000.00	
Superior Pavement Markings 5312 Cypress St Cypress, California 90630	STRIPING	776306	1000001476	\$103,000.00	CADIR

### Line Items

#### Discount Terms No Discount

tem # Item Cod	e Type Item Description	UOM	QTY	Unit Price	Line Total	Response	Commen
BASE BID ITEMS	T 1. 12. 12. 12. 12. 12. 12. 12. 12. 12.			15:	\$11,959,999.00	-	
	Mobilization, Demobilization and Cleanup (not to exceed 4% of Total Amount of Bio		1	\$475,000.00	\$475,000.00	Yes	
2	Traffic Control	LS	1	\$190,000.00	\$190,000.00	Yes	
3	Develop Construction Water	LS	1	\$20,000.00	\$20,000.00	Yes	
E.	Trench Safety Measures	LS	1	\$200,000.00	\$200,000.00	Yes	
i .	Dewatering	LS	1	\$50,000.00	\$50,000.00	Yes	
3	Potholing of Existing Utilities	LS	1	\$200,000.00	\$200,000.00	Yes	
,	Install 4" PVC Pipeline	LF	2400	\$173.00	\$415,200.00	Yes	
1	Install 6" PVC Pipeline	LF	16370	\$125.00	\$2,046,250.00	Yes	
,	Install 8" PVC Pipeline	LF	26470	\$159.00	\$4,208,730.00	Yes	
10	Install 10" PVC Pipeline	LF	1920	\$200.00	\$384,000.00	Yes	
11	Install 12" PVC Pipeline	LF	90	\$265.00	\$23,850.00	Yes	
12	Install 4" Gate Valve	EA	27	\$1,550.00	\$41,850.00	Yes	
13	Install 6" Gate Valve	EA	26	\$1,900.00	\$49,400.00	Yes	
14	Install 8" Gate Valve	EA	31	\$2,600.00	\$80,600.00	Yes	
15	Install 10" Gate Valve	EA	6	\$3,900.00	\$23,400.00	Yes	
16	Install 12" Butterfly Valve	EA	1	\$5,000.00	\$5,000.00	Yes	
17	Install 1" Air Release and Vacuum Relief Assembly	EA	14	\$6,000.00	\$84,000.00	Yes	
18	Install 2" Flush-Out Assembly	EA	10	\$8,000.00	\$80,000.00	Yes	
19	Install 4" Flush-Out Assembly	EA	4	\$10,000.00	\$40,000.00	Yes	
20	Install 18" Steel Casing Pipe by Open Cut	LF	176	\$325.00	\$57,200.00	Yes	
21	Install 18" Steel Casing Pipe by Bore and Jack	LF	92	\$1,400.00	\$128,800.00	Yes	
22	Install 12" Steel Casing Pipe by Open Cut	LF	40	\$300.00	\$12,000.00	Yes	
23	Install 2" Meter Assembly with 1" Disc Meter	EA	4	\$7,400.00	\$29,600.00	Yes	
24		EA				Yes	
	Install 2" Meter Assembly with 1 1/2" Disc Meter		16	\$6,000.00	\$96,000.00		
25	Install 2" Meter Assembly with 2" Disc Meter	EA .	84	\$5,600.00	\$470,400.00	Yes	
26	Install 2" Meter Assembly with 2" Turbo Meter	EA	36	\$6,000.00	\$216,000.00	Yes	
27	Install 3" Meter Assembly with 3" Meter	EA	10	\$35,000.00	\$350,000.00	Yes	
28	Cap End of Watermain	EA	11	\$1,500.00	\$16,500.00	Yes	
29	Abandon Unused Recycled Water Meter Box	EA	25	\$500.00	\$12,500.00	Yes	
80	Hot Tap Existing 30" DIP Watermain	EA	1	\$20,000.00	\$20,000.00	Yes	
11	Hot Tap Existing 16" ACP Watermain	EA	1	\$17,000.00	\$17,000.00	Yes	
32	Abandon Existing Isolation Valves	EA	98	\$500.00	\$49,000.00	Yes	
33	Abandon Existing Recycled Water Pipelines	LF	47980	\$2.50	\$119,950.00	Yes	
34	Asphalt Concrete Base Pavement for Trench	TON	4260	\$95.00	\$404,700.00	Yes	
35	0.1' Grind and Overlay per City of Irvine Std. Plan 223	TON	1800	\$225.00	\$405,000.00	Yes	
36	Slurry Seal Street/Half Street and Intersections	SF	2150000	\$0.35	\$752,500.00	Yes	
37	Restore Street Striping	LS	1	\$125,000.00	\$125,000.00	Yes	
38	Restore OC Surveyor Monument	EA	4	\$1,500.00	\$6,000.00	Yes	
39	Restore Traffic Control Detection Loops	LS	1	\$20,000.00	\$20,000.00	Yes	
10	SWPPP	LS	1	\$24,569.00	\$24,569.00	Yes	
11	Final Record Drawings	LS	1	\$5,000.00	\$5,000.00	Yes	
12	Remove unstable soil in trench bottom and re-fill material	су	50	\$100.00	\$5,000.00	Yes	
ADDITIVE AND DED	DUCTIVE BID ITEMS				\$0.00		
13	ADDITION (+) OR DEDUCTION (-)	LS	1	\$0.00	\$0.00	Yes	

# Line Item Subtotals

Section Title	Line Total
BASE BID ITEMS	\$11,959,999.00
ADDITIVE AND DEDUCTIVE BID ITEMS	\$0.00
Grand Total	\$11,959,999.00

April 25, 2022

Prepared by: C. Spangenberg / M. Cortez

Submitted by: K. Burton

Approved by: Paul A. Cook

#### ACTION CALENDAR

#### LAKE FOREST WELL 2 TREATMENT SYSTEM CONSULTANT SELECTION

#### SUMMARY:

Lake Forest Well 2 has not operated since 2019 due to issues with iron and manganese precipitation. An economic analysis of the cost effectiveness of installing a water treatment system shows a payback period of six years. Staff recommends the Board authorize the General Manager to execute a Professional Services Agreement with Tetra Tech in the amount of \$340,729 for design engineering services for the Lake Forest Well 2 Treatment System.

#### **BACKGROUND:**

Lake Forest Well 2 is located in the city of Lake Forest on Osterman Road as shown in Exhibit "A". It was reconstructed in 2011 using stainless steel casing in conformance with the California Well Construction Standards and permitted for use as a potable water supply. The original production rate was 300 gallons per minute (gpm). The most recent production rate was 250 gpm in 2019 when the well was shut down due to increased color resulting from iron and manganese precipitation.

Staff performed an economic analysis to determine the cost effectiveness of a water treatment system to remove iron and manganese to make Lake Forest Well 2 a reliable water supply to the potable water system. Capital expenditures included design, iron / manganese treatment, well bypass pipeline, waste discharge pipeline for off-specification and backwash waters, electrical and instrumentation and all ancillary equipment. Annual operation and maintenance (O&M) costs included power, periodic pump replacement, well rehabilitation, and chemical costs. Lost revenue on the capital investment was included in the O&M costs. The cumulative costs were then evaluated against current and projected water costs from Metropolitan Water District for the equivalent annual well production in acre-feet. Based on this analysis, the payback period to recover an estimated initial capital cost of \$1,800,000 is approximately six years. Based on this outcome, staff deems the project as viable.

#### Consultant Selection:

On February 17, 2022, staff issued a request for proposal for design engineering services for the project to three consultants: AECOM, Lee & Ro, and Tetra Tech. Proposals were received from all three consultants on March 17 and interviews of the project teams were held on March 29. Staff completed its evaluation of the proposals and based upon its strong project team, extensive knowledge and experience of the available treatment technologies, design that provides the most flexibility for treatment selection, design, and procurement, staff recommends awarding a Professional Services Agreement to Tetra Tech in the amount of \$340,729. The consultant selection matrix and Tetra Tech's proposal are provided as Exhibits "B" and "C", respectively.

Action Calendar: Lake Forest Well 2 Treatment System Consultant Selection

April 25, 2022

Page 2

#### **FISCAL IMPACTS:**

Lake Forest Well 2 Treatment System, Project 11218, is included in the FY 2021-22 Capital Budget. The existing budget is sufficient to fund the project's design phase.

#### ENVIRONMENTAL COMPLIANCE:

This project is subject to the California Environmental Quality Act (CEQA) and in conformance with the California Code of Regulations Title 14, Chapter 3, Sections 15301 and 15303. Section 15301 provides exemption for minor alterations of existing public structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination. Section 15303 provides exemption of new, small facilities or structures; installation of small new equipment and facilities in small structures; water main, sewage, electrical, gas or other utility extensions, including street improvements of reasonable length to serve such construction. A Notice of Exemption will be prepared for the project and filed with the County of Orange.

#### COMMITTEE STATUS:

This item was reviewed by the Engineering and Operations Committee on April 19, 2022.

#### RECOMMENDATION:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER TO EXECUTE A PROFESSIONAL SERVICES AGREEMENT WITH TETRA TECH IN THE AMOUNT OF \$340,729 FOR DESIGN ENGINEERING SERVICES FOR THE LAKE FOREST WELL 2 TREATMENT SYSTEM, PROJECT 11218.

#### LIST OF EXHIBITS:

Exhibit "A" – Location Map

Exhibit "B" - Consultant Selection Matrix

Exhibit "C" – Tetra Tech Scope of Work and Fee Proposal



Note: This page is intentionally left blank.

	Weights	ghts AECOM		Lee & Ro		Tetra Tech	
TECHNICAL APPROACH	60%						
*Droingt Approach	400/	2	4	2		4	
*Project Approach  *Project Details in PDR	40% 20%		$\dashv$	3 2		1	
*Scope of Work	40%			3		1	
Ocope of vvoik	40 /0	2		3		ı	
Weighted Score (Technical Approach)		2.20		2.80		1.00	
EXPERIENCE	40%						
			$\Box$				
*Firm/Team	15%		$\dashv$	3		1	
*Project Manager	40% 15%		$\dashv$	3		1	
*Project Engineer 1 - Mech  *Project Engineer 2 - Elec	15%		┥	3		1	
*Project Engineer 2 - Struct	15%		寸	3		2	
Weighted Score (Experience)		1.85	$\dashv$	3.00		1.15	
vveignted ocore (Experience)		1.05 Yr	rs	3.00	Yrs		Yrs
Project Manager		Alex Franchi 26	- 1	Kevin Saleh		Beverly Encina	19
Project Engineer/Civil/Site		Dylan LaFrance 10	0	Adam Betworth		Kyle Matsumoto	4
QC/QA		Jack Gundariahalli 31	· 1	Sam Lee		Steve Tedesco	37
Mechanical & Process Design			- 1	Roman Silvestre		Amanda Taylor	13
Electrical			· I	Linkture		Mazen Kassar	29
Structural		,		Alice Maupin		Eric Yuen	14
Traffic Control Desgin		Not Listed	- 1	Not Listed		Peter Kim	27
Pilot Study		Angel Gabeau 23	- 1	Jay Jung		Steve Ellis	42
Surveying/ Mapping		Psomas		OnPoint Land		Metz Surveying Inc.	
Noise Analysis		AECOM		Behrens and Assoc.		Behrens and Assoc.	
Potholing		T2 utility Engineers		Bess Testlab		Not Listed	
COMBINED WEIGHTED SCORE		2.06		2.88		1.06	
						1100	
		Man-hours	_	Man-hours		Man-hours	
Task 1 Project Management		226	$\dashv$	90		205	
Task 2 Preliminary Design Report		856	$\dashv$	372		611	
Task 3 Final Design & 4 Bid Support		1,122	$\dashv$	543		1,196	
TOTAL DESIGN HOURS		1,978	$\dashv$	915		1,807	
Optional Tasks Replace Well Pump			$\dashv$	60			
Replace PLC/RTU			$\dashv$	38			
Preprocurement Treatment Package			$\dashv$	50			
TOTAL HOURS		2,204	$\dashv$	1,153		2,012	$\overline{}$
Sheet Count		2,201	$\dashv$	1,100		2,012	
General		4	一	5		3	
Civil		6		8		10	
Mechanical/process		9		6		10	
Structural		4	$\perp$	4		8	
Electrical		7	_	5		11	
Instrumentation		3	4	3		10	
Traffic Control		0	$\dashv$	0		2	
Subtotal		33	$\dashv$	31		54	
TOTAL SHEETS		33		31		54	
FD HRS/SHT		60	_	30		33	
FEE							
Average \$/manhrs (design)		\$173	$\dashv$	\$242		\$189	
Average williamin's (design)		·		ΨΖΨΖ		ψ103	
Does not include \$s for:		Traffic Control Plans, Design for multiple vendors.		Traffic Control Plans			
Project Management		\$44,300		\$22,518		\$44,976	
PDR		\$144,590		\$67,188		\$101,041	
Add Items		\$0		\$27,680		\$0	
Final Design		\$153,280		\$104,202		\$194,712	
Grand Total- PM&PDR & Design		\$342,170	$\dashv$	\$221,588		\$340,729	
Number of Drawings Final Design Unit Prices (\$/dwg)		33 dwg \$10,369	gs	31 · \$7,148	dwgs	\$6,310	dwgs
\. 3/		,		. ,		, -,	
Professional Liability Insurance General Liability Insurance		YES YES		YES YES		YES YES	
FORCED RANKINGS:		2 - Second		3 -Third		1 - First	
	<u> </u>						

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### **EXHIBIT "C"**

Irvine Ranch

PROPOSAL TO PROVIDE ENGINEERING DESIGN AND CONSTRUCTION SERVICES FOR THE

Lake Forest Well No. 2
Treatment and Sewer
Bypass Project





MARCH 2022



March 17, 2022

Carl Spangenberg, PE Project Manager Irvine Ranch Water District 15600 Sand Canyon Ave. Irvine, CA 92618

Reference: Proposal to Provide Engineering Design and Construction Services for the Lake Forest

Well No. 2 Treatment and Sewer Bypass Project

Dear Mr. Spangenberg,

Thank you for the opportunity to submit our proposal to provide engineering services for the Lake Forest Well No. 2 Treatment and Sewer Bypass Project. We value the relationship that has been built with Irvine Ranch Water District (IRWD/District) based on our past and current ongoing projects. It is our desire to continue to provide the same consistently diligent and faithful service to IRWD. We have an outstanding team which combines the experience, depth, and understanding needed for the successful delivery of this project. Our team brings the following advantages to the District:

- ► Extensive Experience in Iron and Manganese Removal Water Treatment Systems: During the last 15 years, our Project Team has designed over 8 iron and manganese removal systems within Southern California.
- ▶ Project Team with Extensive IRWD Experience: Our Project Team, specifically our Project Director, Mr. Steve Tedesco, PE, and our Project Manager, Ms. Beverly Encina, PE, have worked together on over 15 projects for IRWD during the last 15 years. We know IRWD's design requirements, preferred materials, operational preferences, electrical and P&ID standards which will allow us to deliver a complete design in the most cost-effective manner. These projects include: the Wells 21 and 22 Desalter; and the Irvine Desalter Project, which includes the Potable Treatment Plant, Manganese Removal System, and seven (7) other associated projects.
- ▶ Local In-House Structural, Electrical and Control Capabilities: Tetra Tech has our own in-house local, graphics team to create architectural renderings, registered plumbing and HVAC, structural, electrical and control engineers with extensive experience with IRWD facilities.
- ▶ Dedication to the District: Tetra Tech believes IRWD is an important client with our long-standing partnership and history of projects (over 30 in the last 20 years). Our approach will include a "teaming and partnering" relationship. We will strive to exceed your expectations through hard work, attention to detail, close communication, schedule and budget management.

Our project team is looking forward to working with you and we are committed to providing IRWD with the same high-quality service you expect and deserve. Should you have any questions or require additional information regarding our proposal, please feel free to contact us.

Sincerely,

Steve Tedesco, PE

Senior Vice President

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### FIRM OVERVIEW

Based in Pasadena, California, Tetra Tech is a full-service engineering and science firm with a substantial global presence. We help our clients conceptualize and execute innovative solutions to their most difficult problems. From front-end science and planning to design, construction management and operations, Tetra Tech's global service network, facilitated by our initiatives program that coordinates resources for specific markets and provides best in-class experts with worldwide project experience.

Founded in 1966, Tetra Tech is a nationally recognized engineering and resource management firm of more than 21,000 engineers, scientists, construction specialists, and technical support personnel in 450 offices worldwide. Listed on the NASDAQ Exchange (TTEK), Tetra Tech's annual revenues now exceed \$3.2 billion (2021). Thus, we are in an excellent financial position and can provide the necessary resources

to rapidly deploy and meet aggressive project schedules.

Tetra Tech consistently ranks among the top engineering firms annually according to the *Engineering News-Record*. In 2021, Tetra Tech was ranked 4th among the top 500 design firms nationwide and was ranked #1 in the water service industry for the 18th year in a row!

Tetra Tech's more than 56 years of experience in water resources management is directly associated with municipal water, wastewater, recycled water, and stormwater facilities encompassing collection and distribution pipelines, pumping stations, storage reservoirs/tanks, treatment and reclamation plants, and disposal systems. Over the years, we have gained the confidence of our clients by meeting the expectations and performance goals of both clients and regulatory agencies.

### DEDICATION TO THE DISTRICT

Tetra Tech is dedicated to Irvine Ranch Water District (IRWD/District) as illustrated in working together on over 30 projects for IRWD during the last 20 years. Our approach will include a teaming and partnering relationship with the District. We will strive to exceed your expectations through proactive project management, strong quality control measures, attention to detail, extensive design experience, close communication, and schedule and budget management.



Tetra Tech's reputation as a leader in consulting engineering is validated by Top 10 ratings annually by *Engineering*News-Record.

#### PROJECT UNDERSTANDING

IRWD'S Lake Forest Well No. 2 (LF Well No. 2) is located at 20034 Osterman Road in a residential area adjacent to Regency Park in the City of Lake Forest, California and was constructed in May 2011. LF Well No. 2 initially had a production rate of 300 gallons per minute (gpm), however the most recent production rate was 250 gpm in 2019 when the well was shut down due to increased color resulting from iron/manganese precipitation. Despite the color issue, the initial water quality for LF Well No. 2 indicates that iron and manganese levels were slightly below the State secondary maximum contaminant levels (MCL). Due to the brown water complaints by both domestic and recycled water users, the well has remained offline since that time.

Tetra Tech understands the financial impact of being able to operate LF Well No. 2 and using it as a potable supply based on the economic analysis summary provided in the Request for Proposal (RFP). IRWD has estimated a payback period of approximately two years for capital expenditures for the new treatment system and improvements. As costs for imported water from Metropolitan Water District continuously increase, it is beneficial financially for IRWD to continue to move forward with installation of the treatment system.

TETRA TECH C - 4 Page | 1

The main goal of the project is to install a new treatment system at the existing wellhead for the removal of iron/manganese using small, package water treatment skids. In order to achieve this, the scope of work in the preliminary phase shall include evaluation of various treatment technologies, whether pilot testing is required for recommended treatment method, and conducting the pilot testing efforts, if required.

In addition to the treatment system, IRWD requires the following additional facilities:

- The addition of well flush piping to the existing storm drain. A dedicated flush line does not exist and well flushing is accomplished via the well discharging into IRWD's existing reclaimed water reservoir.
- The addition of piping and connections for backwash water and/or off-spec treated water to the existing sewer in Osterman Road.
- Evaluation of existing electrical service, instrumentation, controls and equipment. The
   design will include modification or additional facilities to provide power and controls to the new treatment system.
- Structural design of foundations required for new treatment equipment chemical feed system.
  - Replacement of the existing chemical feed system for disinfection. We understand that the current chemical feed and storage system cabinet is corroded and need of replacement.
- The storage area can be replaced with chemically resistant materials such as a prefabricated fiberglass enclosure or steel canopy with concrete foundation. Additionally, Tetra Tech will evaluate the following:
  - Determine if existing equipment can continue to be utilized to meet potential additional chemical dosing for the selected treatment method and determine if existing feed equipment and materials need to be upsized. We understand that in its current state, this facility requires two chemical deliveries per week and at minimum, the tank shall be upsized to reduce the frequency of deliveries.
  - Tetra Tech will evaluate post disinfection by free chlorine or chloramines. At the
    pre-proposal meeting, IRWD Operations staff indicated that existing reservoir
    management system at Zone 2 reservoir may provide sufficient ammonia feed for
    chloramines. We will evaluate this further as updated chemical dosing criteria is
    established during design.

Hydraulic analysis shall be performed to sufficiently size the supporting facilities mentioned above to ensure appropriate capacity is available. Tetra Tech will evaluate if any well modifications are required to operate with the new treatment system and other proposed improvements. A hydraulic analysis will be performed to confirm adequate pressure is available to discharge to the existing distribution system. If required, Tetra Tech will size and design an inline booster system post-treatment to supplement for any pressure deficiencies based on the existing submersible well pump and the hydraulic requirements for the recommended treatment system.

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### **APPROACH**

### **Why Tetra Tech**

Tetra Tech's team brings the following advantages to the District for the LF Well No. 2 Treatment and Sewer Bypass project:

- ▶ Extensive Experience with Groundwater Treatment Systems: Tetra Tech's process water/wastewater treatment engineers have a wide array of project experience ranging from small to large capital improvement projects, but in particular, have worked on many groundwater treatment systems that are similar in scope and scale to this project.
- ▶ In-House Civil, Process, Structural and Electrical Capabilities: Tetra Tech's project team includes our own in-house structural, process mechanical, and electrical engineers who have worked together for many years as a team on numerous projects for other Southern California agencies, as well as several projects for IRWD.
- **Key Subconsultants:** To provide all of the services required for the project, Tetra Tech has added the following key subconsultants: Metz Surveying, Inc. and Behrens and Associates, Inc. for noise analysis. We have successfully worked with both on several projects for other Southern California agencies.
- ▶ **Dedication to IRWD**: Our approach will include a "teamwork and partnering" relationship. We will do this by exceeding your expectations through innovative and smart solutions, attention to detail, and our understanding of IRWD's design processes and requirements.

Our extensive experience with similar groundwater treatment projects will ensure that IRWD will receive a high level of service delivered by qualified, knowledgeable engineering professionals. Highly meticulous and coherent plans and specifications greatly benefit all project stakeholders, with the largest benefit realized by the Owner. Quality contract documents clearly lead to a larger number of bidders, lower competitive bid prices due to increased competition, the contractor has less to assume and take the risk for and a greater overall comfort level in our design based on a long history of successful projects, and lowest overall cost while achieving a very high-quality end product quality contract documents mitigates the potential, and impact of change orders, and sets forth a standard of quality the contract must achieve.

No two projects are the same, although many are similar. The key is to utilize elements of work that have been successful and can be appropriately applied to this project, continue to improve construction efficiencies without lowering quality based on contractor feedback, and maximize the overall operational flexibility. We want to utilize the experience gained from working on previous projects, and to continue providing IRWD with exceptional services to assure that another project is successfully completed to the satisfaction of IRWD.

## **General Approach**

Tetra Tech fully understands the importance of your project. We are offering an outstanding team, which combines the experience, depth, and understanding needed for the successful delivery of this project. Our core principles establish how we plan to work together with IRWD to successfully complete this project:

- Service: Tetra Tech puts its clients first. We listen to and better understand our clients' needs and deliver smart, cost-effective solutions that meet those needs. Our philosophy is to "Do it Right."
- Value: Tetra Tech takes on our clients' problems as if they were our own. We develop and implement real-world solutions that are cost-effective, efficient, and practical.
- **Excellence:** Tetra Tech brings superior technical capability, disciplined project management, and excellence in safety and quality to all of our work.
- Opportunity: Our people are our number one asset. Our workforce is diverse and includes leading experts in our fields. Our entrepreneurial nature and commitment to success provides challenges and opportunities.

TETRA TECH C - 6 Page | 3

We value the relationship that has been established with IRWD and look forward to continuing and further developing this association in the future. We are committed to providing IRWD with the same high-quality service you expect and deserve. Our strength lies in our proven track record that has led to successful completion of multiple projects for IRWD, as well as other project participants or nearby agencies.

### **Project Management**

Over the years, Tetra Tech has established well defined, rigorous procedures for project management. These techniques have been developed and refined and have contributed to our success and reputation. The keys to our project management system are communications, project planning, monitoring, and quality assurance. The Tetra Tech team's goal is to keep IRWD staff "in the loop" from day one of the project. Communication tools include the formal progress reports afforded through our project management system and an informal give-and-take approach starting with Beverly Encina, PE, our Project Manager, and extending to every member of our project team. At the project's outset, the chain of command and appropriate communication methods will be agreed upon.

We will conduct formal meetings with agenda and typewritten notes, and we will use informal meetings with notes to file. We will also have documentation of telephone communications, with notes to file or letters of understanding as appropriate follow-up. Another important communication link will be our e-mail system.

We are proposing to use e-mail to keep IRWD aware of the status of the project. Every week, Tetra Tech will prepare a brief (one or two paragraphs or bullet items) e-mail summarizing the following: activities completed in the previous week; the activities planned for the upcoming week; any critical decisions that need to be made; and schedule of upcoming events/meetings. In addition, each month we will prepare a project status memorandum containing the following: summary of project schedule; description of key issues/concerns which have surfaced along with proposed options and solutions; and a project status summary report showing current schedule and budget.

## **Quality Control**

Tetra Tech has a well-established Quality Practices Manual (QPM) which will be in effect during the entire duration of the project. The QPM describes Tetra Tech's quality program policy and requirements for all engineering services. The purpose of the QPM is to define basic quality assurance and quality control (QA/QC) requirements that will guide, as applicable, all Tetra Tech projects during planning, implementation, work product preparation, and field activities. The QPM describes Tetra Tech's quality program organization; basic quality management system requirements; and basic QA and QC requirements during all phases of the project. The Tetra Tech quality program is modeled after the quality management principles outlined in the International Organization for Standardization (ISO) 9000.

### **KEY DESIGN ISSUES**

Successful implementation of this project will involve resolution of several key issues. We believe Tetra Tech has an excellent grasp of these issues based on our overall experience, capabilities and familiarity with other groundwater treatment projects as well as our experience with IRWD projects, personnel, and policies. Our approach to resolving project issues is summarized below.

**Site Layout:** Tetra Tech recognizes the LF Well No. 2 site is limited in space for the addition of new treatment facilities. This will be a critical consideration in key areas of the evaluation of treatment technology alternatives that can fit in the space available, while maintaining vehicular and operational access within the site. Tetra Tech proposes the evaluation of oxidation-filtration technologies for the following media types such as Greensand, Pyrolusite, and proprietary media (Filtronics electromedia, and Tonka IMAX) as discussed in the subsequent section, Treatment Technology methods.

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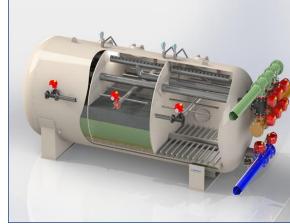


Conceptual site layout at LF Well No. 2 site

Space-saving strategies will be evaluated such as:

- Single-cell filter unit configuration
- Multi-cell filter units (including redundancy to allow continuous operation during backwashes)
- Backwash waste direct connection to the sewer, to eliminate the need for a backwash tank





Single-cell vessel configuration

Multi-cell vessel configuration

Tetra Tech shall describe each of the alternatives and configurations in the Preliminary Design Report (PDR), evaluate the advantages and disadvantages of each option, and provide our recommendations.

### Treatment Technology Alternatives:

There are a number of different oxidation/filtration options for treating high iron and manganese levels in groundwater. Manganese can be removed through oxidation of the soluble divalent ions to the insoluble trivalent forms. These insoluble forms precipitate in subsequent sedimentation or filtration steps. The process involves addition of an oxidant such as chlorine into the flow stream to form manganese precipitates, which are then removed with a pressure filter. The filter requires a daily backwash cycle. The backwash water can be supplied from the treated well water and upon completion of the backwash cycle, the wastewater is stored in a backwash settling tank equipped with a dolphin strainer/skimmer which recycles the supernatant solution and pumps it back into the treatment feed stream. During the design phase, Tetra Tech shall evaluate if there is adequate space available for a backwash tank, otherwise, backwash waste can be discharged to the sewer.

Various types of filter media such as Greensand Plus, Pyrolusite and other proprietary media (Filtronics Electromedia and Tonka IMAX) are commonly used in the treatment system. The filter media, when combined with an oxidant like sodium hypochlorite or potassium permanganate, oxidize both iron and manganese to a less soluble form which precipitates out and accumulates in the filter bed. The precipitates are removed by backwashing the filter media. The oxidative capacity of the media is regenerated using an oxidant such as chlorine or permanganate, which is continuously fed to the influent.

Optimum precipitation occurs at a pH greater than 6.4 for iron and greater than 9.3 for manganese. The reaction can be impeded by the presence of organic carbon, biological oxygen demand or ammonia which compete for available oxygen. The stoichiometric requirement for the oxidation reduction process are generally 0.63 mg/l of chlorine per mg/l of iron and 1.29 mg/l of chlorine per mg/l of manganese. Other parameters can affect the process which include temperature of the feed water, pH, total organic carbon (TOC), and ammonia.

Oxidation reactions can take up to 2 hours; therefore, it is important that the filter media selected has demonstrated adsorptive properties to attract iron and manganese ions in place while oxidation occurs. Medias which have demonstrated effective iron and manganese removal when coupled with chemical oxidation include Greensand, Pyrolusite, Electromedia I, and IMAX.

Four types of filter media can be considered for the treatment facility including: Pyrolusite, Greensand, Electromedia I, and IMAX (which is a proprietary blend of pyrolusite and sand by Tonka). A summary of the filter system design components is presented in Table X.

Pyrolusite is a heavy, denser type media and can attain hydraulic loading rates of 5 to 10 gpm/sf. Electromedia can sustain higher loading rates of 10 to 15 gpm/sf, whereas greensand filter loading rates are typically 2 to 4 gpm/sf, thereby requiring larger filter vessels. Accordingly, filter backwash rates for Pyrolusite and Electromedia are substantially greater due to the denser material and can vary from 20 to 30 gpm/sf for, compared with 12 to 15 gpm for greensand media.

The filter run times and backwash frequencies can vary depending on the raw water quality. A filter backwash can be initiated by a pressure drop across the filter bed, constituent breakthrough or run time. Typical operating experience at similar facilities indicates that filters should be backwashed every 12 to 24 hours. While air scouring or a surface rinse of the media is not required for Pyrolusite and Electromedia, it is recommended for Greensand and IMAX to remove precipitates and clean the filter bed more thoroughly.

The filter vessels need a minimum 30 to 35 psi operating feed pressure coming from the influent wells. The expected pressure drop across the treatment facility is anticipated at about 15 psi. Treated filtered water would be discharged to the forebay reservoir.

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	Iron and Manganese Filter Media Options													
Criteria	Pyrolusite	<b>Electromedia</b> ®	Greensand Plus											
Media	Pyrolusite	Proprietary	Greensand Plus, Anthracite											
Local System Suppliers	Atec	Filtronics	<ol> <li>Loprest</li> <li>Hungerford and Terry (rep by Gierlich-Mitchell)</li> <li>Wigen (rep by JBI Water)</li> </ol>											
Media Density (lbs/cf)	120	85 (estimated)	85											
Hydraulic Loading Rate (gpm/sf)	5 - 10	10 - 15	7 - 10											
Backwash Duration <sup>(a)</sup> (min)	5	5	12											
Backwash Rate (gpm/sf)	25 - 28	20 - 30	12 - 15											
Backwash Frequency	24 hours	12 hours	24 - 48 hours											

<sup>(</sup>a) Includes rinse to waste.

Pyrolusite filter media has been used in many iron and manganese treatment facilities, primarily in the Pacific Northwest; however, this media is less commonly used in Southern California. Electromedia is a proprietary media which can limit the District's options for a competitive bid. Greensand offers the most competitive bid process and may be best if the District elects to design a single system. However, if desired, Tetra Tech can provide a flexible design that can accommodate either Greensand or an alternative proprietary media system supplier.

Water Quality Review and Recommendations: Tetra Tech has reviewed the water quality data provided in Exhibit B-Summary of Water Quality Analytical Data, 2011 and Exhibit H LF Well No. 1 and 2 Water Quality Data, 2016-2018. As noted in the RFP, water quality results for iron and manganese were generally below the State's Secondary Drinking Water Standard MCLs, however we understand the need for treatment due to brown water issues causing complaints from users. As we are proposing to evaluate various oxidation-filtration type systems which utilize an oxidant such as sodium hypochlorite for the oxidation of iron and manganese to occur, it is critical that the sodium hypochlorite injected into the feed water is present as free chlorine. Based on our experience from past projects that utilize these treatment methods, we have found it necessary to test for the presence of ammonia, as the development of chloramines will reduce the amount of free chlorine available for the treatment process to be effective. Therefore, we recommend additional water quality sampling and testing for ammonia to determine the amount of free chlorine that will be available, as well as identifying the need for additional dosing required.

**Replacement of the Chemical Feed System:** As noted by IRWD in the RFP the existing chemical feed system enclosure is significantly corroded, likely due to incompatibility of the steel enclosure and the sodium hypochlorite being stored. The enclosure will need to be replaced with a non-corrosive weather-proof structure. We will evaluate various options such as a fiberglass enclosure and concrete foundation and concrete containment curb structure with metal shade structure.

IRWD staff also noted at the pre-proposal meeting that the chemical deliveries to the site occurred about twice a week and was too frequent to accommodate. Additionally, it is anticipated that the new iron and manganese treatment system will require additional dosing of sodium hypochlorite. Based on these factors and any other IRWD feedback, we will perform calculations to determine appropriate sizing of the storage tank, feed equipment, piping, and appurtenances and determine whether existing equipment can be utilized or will need replacement.

**Mechanical Appurtenances:** Vendor packaged systems typically do not come with valves, instruments, gages, and other items that meet IRWD standards. For IRWD's Irvine Desalter Project Manganese Removal System (2009), we spoke with the vendors of these systems and provided a specification that met IRWD

standards. For example, instead of pneumatic control valves we used electric motor operators on IRWD valves meeting IRWD standards. For this project, we will identify appurtenances on the packaged systems that do not meet IRWD standards and confirm with IRWD that these appurtenances are noted in the specifications to meet the District's standards.

**Construction Staging/Storing:** Tetra Tech will provide exhibits to IRWD for staging and storage for construction during the preliminary design report and thoroughly vetted during the design phase of the project.

**Traffic Control:** Tetra Tech will ensure that their traffic engineers assess the maintenance of traffic for the project area. The project site fronts Osterman Road, which is comprised of a two-lane street, with one lane in each direction. Additionally, it is in a residential area where vehicular traffic on Osterman Road is expected to be frequent during construction hours. We anticipate two (2) traffic control plan sheets will be needed for permitting purposes and to ensure that the contractor accounts for proper traffic control within the project work area.

**Noise Mitigation:** As the site is in a residential area, Tetra Tech shall enlist the services of a noise subconsultant Behrens and Associates, Inc. to evaluate and comply with local noise ordinance requirements for the site for new facilities that will generate noise and require noise mitigation. Sound attenuation enclosures or other appurtenances for equipment exceeding noise levels will be incorporated in the proposed project facilities plans, specifications, and construction cost estimate as required.

**Geotechnical:** Tetra Tech recommends a geotechnical investigation to adequately characterize the soil conditions at the LF Well No. 2 site if this has not been completed. As noted in the pre-proposal meeting, IRWD will enlist the services of their on-call geotechnical consultant if required, to perform and provide recommendations based on any subsurface investigations. Therefore, the investigation is not reflected in Tetra Tech's fee and scope, but Tetra Tech will be responsible for reviewing the geotechnical report and designing the proposed facilities in accordance with the report recommendations.

**Permits:** Tetra Tech will identify the required permits needed for this project and prepare applications and submittal documents as required for IRWD to apply for the permits. Additionally, we recommend scheduling one meeting with each of the affected jurisdictional agencies as well as an overall permitting requirements summary meeting (between IRWD and Tetra Tech) based on directions and requirements provided at the agency meetings. It is anticipated the following permits are required:

- Orange County Fire Authority: We anticipate that this facility and the improvements for this project will required the following according to OCFA guidelines - Fire Master Plan, Hazardous Material Identification and Classification.
- Department of Drinking Water (DDW): The DDW permit will require the preparation of an Engineer's Report and Operation, Maintenance, and Monitoring Plan. This is reflected in our scope and fee.
- City of Lake Forest/County of Orange: Tetra Tech will review requirements for encroachment permits and provide submittal forms and documentation for IRWD's execution and submittal.
- We anticipate two (2) traffic control plan sheets will be needed for permitting purposes and to ensure that the contractor accounts for proper traffic control within the project work area.

#### Miscellaneous Items:

- Specifications shall include NSF-61 certification requirements as applicable for required materials and equipment in use for potable drinking water systems.
- Well piping modifications: in addition to modifications to add a dedicated well flush line, it was
  observed in the plans and at the pre-proposal site visit that a surge tank is installed on the well
  discharge line. With the incorporation of the new treatment system, the current installation may not
  be effective for surge protection at this location. Tetra Tech will review the information available on
  the surge tank and determine if a surge tank is required at the treatment product water discharge.

TETRA TECH C - 11 Page | 8

### **SCOPE OF WORK**

Members of the Project Team have performed an in-depth review of the project description and scope of work within the RFP. We propose to provide the following scope of work for the preliminary design, final design and bid phase services.

All work performed on this project will conform to IRWD standards and requirements including, but not limited to, the following: IRWD Project Manual; IRWD Construction Manual; and IRWD Electrical and Instrumentation and Control (I&C) Design Standards.

Work shall generally consist of, but not be limited to, the following tasks:

### Task 1 — Project Management

Tetra Tech will conduct project management activities to ensure adherence to scope, schedule, and budget; promote efficient communication between Tetra Tech, IRWD, and others as required; and implement an effective quality assurance/quality control (QA/QC) program.

Preparation of Project Status Reports: Tetra Tech will prepare weekly and monthly status reports. Each weekly status report will be submitted on a Monday and will consist of a brief (one to two paragraphs) e-mail summarizing the activities completed the previous week, the activities planned for the upcoming week, and critical decisions that need to be made. Each monthly status report will be submitted along with the billing invoice for that month and will provide more detail, summarizing the work completed and reviewing work status relative to budget and schedule. The project schedule will also be updated on a monthly basis with the monthly status report.

Meetings: Tetra Tech will organize, schedule, attend, and conduct meetings as required. We will prepare and submit meeting agendas for IRWD review and concurrence at least three days prior to the meeting. We will prepare draft and final minutes for all meetings and workshops and submit them to IRWD within one week of the meeting.

Tetra Tech has assumed the following meetings and provided possible meeting topics and potential attendees for these meetings as required in the RFP:

Meeting/Workshop	Possible Agenda/Meeting Topics	Attendees
Kick-off Meeting	<ul> <li>Introduction of Parties</li> <li>Lines of Communication</li> <li>Summary of Project Goals and Approach</li> <li>Preliminary Schedule</li> </ul>	Tetra Tech PM, Discipline leads, IRWD PM, Mechanical, Electrical, and Operations Staff
Pilot Study Evaluation	<ul> <li>Summary of Evaluation Process and Parameters</li> <li>Conclusions and Recommendations on whether to Pilot is required</li> </ul>	Tetra Tech PM, Pilot Study Manager, IRWD PM, and others as needed
Additional Design Development Meetings	<ul><li>60% Design Development Meeting</li><li>99% Design Development Meeting</li></ul>	Tetra Tech PM, IRWD PM, and other leads as required
Coordination activities with jurisdictional agencies and project stakeholders	One meeting with each of the following:     City of Lake Forest     DDW     OCFA     Others as required	Tetra Tech PM, IRWD PM, City of Lake Forest, DDW, OCFA, and other agencies as required
Overall Permit Requirements Meeting	Follow up meeting to discuss and summarize permitting requirements after meeting with agency representatives	Tetra Tech PM, Process Engineer, IRWD PM

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Meeting/Workshop	Possible Agenda/Meeting Topics	Attendees
Site Visits	<ul><li>Field data collection</li><li>Photographs</li><li>Site measurements</li></ul>	Tetra Tech PM and/or Civil Engineer, IRWD Representative
Draft PDR Presentation	<ul> <li>Treatment Technology         Alternatives and Recommended         Option     </li> <li>Pilot Study Evaluation</li> </ul>	Tetra Tech PM, discipline leads, IRWD PM, Mechanical, Electrical, Operations Staff
60% Design Presentation	<ul> <li>Discussion of Comments and Responses</li> <li>Coordination of design issues</li> <li>Permitting Status</li> </ul>	Tetra Tech PM, discipline leads, IRWD PM, Mechanical, Electrical, Operations Staff
99% Design Presentation	<ul> <li>Discussion of Comments and Responses</li> <li>Coordination of design issues</li> <li>Permitting Status</li> </ul>	Tetra Tech PM, discipline leads, IRWD PM, Mechanical, Electrical, Operations Staff
Final Design Presentation	Discussion of Comments and Responses	Tetra Tech PM, discipline leads, IRWD PM, Mechanical, Electrical, Operations Staff

Quality Assurance/Quality Control (QA/QC): Tetra Tech will implement proven QA/QC measures throughout the project to ensure ongoing and consistent quality control throughout all project phases.

**Project Schedule:** Tetra Tech shall prepare and will update the project schedule for design and construction activities in Microsoft Project on a monthly basis at minimum. Included herein is a proposed schedule of preliminary through design phase activities.

## Task 2 — Preliminary Design Report

The preliminary design will be used to document the basis of the final design for the facility, e.g. code requirements, permitting requirements, site piping layouts, process mechanical layouts, electrical service onsite, structural improvements, etc. As required per the RFP, recommendations for wellhead equipment, modifications, site improvements, pilot study, water treatment system, product water delivery, hydraulic analysis, off spec water conveyance to sewer, well bypass to storm drain, backwash water storage and conveyance to sewer, instrumentation and controls, ancillary equipment, construction materials summary, redundancy, noise mitigation measures, and a preliminary site plan. Tetra Tech's evaluation of the PDR shall also include an opinion of construction and operations and maintenance costs. Supporting documentation in the form of budgetary quotations, data sheets of major equipment, and other pertinent data will be included for reference.

The work will consist of, but not be limited to, the following subtasks:

A. Information, Data Collection, and Site Investigation: Tetra Tech shall identify and gather all information from IRWD including, but not limited to, reports, historical data, hydraulics, and perform any site investigations as necessary to complete the design of the treatment, wellhead, utility, electrical, instrumentation SCADA, pipelines, and appurtenances. As part of the site investigations Tetra Tech shall identify equipment that can be salvaged or in poor condition which warrants disposal and/or replacement along with consideration from input from IRWD staff on the conditions of the existing equipment.

Record drawings which IRWD has already furnished shall be reviewed, but additional documents will be reviewed at the beginning of NTP:

- IRWD Legal Documents (well site title, easement, deed, and plat record)
- County Road Legal Documents (easement, deed, and plat record)
- County Park Legal Documents (Regency Park title, easement, deed, and plat record)

Tetra Tech will also complete a site visit to identify and collect any other existing site data in the form of 3D and 2D photographs, and field measurements of existing site features.

- B. Regulatory Water Quality Requirements: Tetra Tech shall collect, compile, review, and evaluate all available relevant groundwater quality data for the purpose of predicting critical design water quality criteria to produce potable water from Lake Forest Well No. 2 for compliance with California Drinking Water and USEPA standards for public consumption.
- C. Permitting: Identify all permits required and their controlling agencies during the construction phase, including but not limited to the Department of Drinking Water (DDW) City of Lake Forest, Orange County and Orange County Fire Authority (OCFA).
  - Initiate and complete application process and secure permits with appropriate agencies. Copies of completed permits shall be made a part of the Project Manual. IRWD will reimburse Tetra Tech for actual permit fees without surcharge.
- D. Siting Design: Prepare a preliminary site layout for the preferred treatment alternative and include all necessary pre-treatment, chemical systems, site piping/valves, electrical and instrumentation equipment, building(s) and/or enclosures, site access, drainage, as applicable. Coordinate with IRWD to determine ultimate facility sizing and layout.
- E. Treatment Alternatives: Evaluate treatment alternatives and make recommendation of preferred alternative and prepare short list of acceptable and approved vendors. Activities included in this task are as follows:
  - Establish the process selection and design criteria for the treatment system
  - Establish groundwater production requirements for the treatment system
  - Prepare a process flow diagram for the treatment system
  - Selection and sizing of equipment
  - Establish design criteria for all engineering disciplines

As IRWD is willing to consider pre-purchase of the treatment unit, Tetra Tech will compare the advantages, disadvantages, and estimated cost impacts of a pre-purchase versus purchase by the selected contractor during the construction phase. This evaluation along with any supporting documents will be provided within the PDR.

- F. Pilot Testing: Tetra Tech shall evaluate the need for pilot testing based on historical water quality data to determine operational performance of the recommended treatment system in order to achieve the required water quality goals. As the need for pilot testing and recommended technology has not yet been fully evaluated, a preliminary estimate for this effort is included in our fee based on discussions with oxidation-filtration system suppliers. Note that the estimate does not include costs for water sampling and lab testing.
- G. Wellhead/piping Modifications and Improvements: Tetra Tech will review existing well data sheets and reports to perform a hydraulic analysis on the wellhead, existing piping, well bypass piping at startup, and improvements necessary to accommodate the recommended treatment alternatives. An evaluation of the existing submersible pump shall be performed to ensure that it has sufficient capacity to discharge flow through the treatment vessels. Any pressure deficiencies for potable distribution within IRWD's system shall be made up by using a post treatment booster system and will be included in the hydraulic analysis.

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H. Utility Search and Needs: Utility research shall include completing a search of available record drawings and performing onsite utility pothole testing and site topographic survey. Utility survey will be based on the evaluated as-built record drawings, onsite utility markings. We will also perform a Dig-Alert search of the area to identify and request maps of existing utility agencies that have facilities within the project area; which will be used as part of the development of CADD site background files for the construction plans. Additionally, we will utilize record drawings of facilities that will require connection from proposed pipelines such as sewer and storm drain for the development of connection details. As IRWD has indicated there are no plans available for the 8-inch water distribution pipeline from LF Well No. 2 to the reservoirs, we assume some potholing services will be required to locate this horizontally and vertically. We will pothole other utility points of connection and additional utilities that may be impacted by proposed facilities and have included this in our fee.

Tetra Tech will evaluate if the existing power supply available on site will sufficiently accommodate loads generated by all existing and new equipment.

- I. Geotechnical Investigation: If required, subsurface geotechnical investigations shall be performed by IRWD's on-call consultant and not by Tetra Tech. Tetra Tech will coordinate with IRWD's on-call geotechnical consultant who shall prepare a geotechnical report that will be reviewed by Tetra Tech to ensure facilities proposed onsite are designed in accordance with the recommendations noted in the report and applicable California Building Codes.
- J. Site Survey: Topographic survey of the site will be performed which will extend from the LF Well No. 2 Site to the limits of the road right-of-way headed north of the site. As noted above, utility pothole testing shall be performed to confirm horizontal and vertical locations of some subsurface utilities.
- K. Improvement Plan Sheets: Schematic drawings shall be prepared for the PDR along with a drawing list to complete the design phase of the project.

Sheet Title
Process Flow Diagram
Horizontal Control Plan
Overall Site Plan
Grading and Paving Plan
Overall Process/Mechanical Plan
Electrical Site Plan
Single Line Diagram
Process and Instrumentation Legend and Abbreviations
Process and Instrumentation Diagram 1
Process and Instrumentation Diagram 2
Process and Instrumentation Diagram 3

L. Instrumentation and Control Design Criteria: Tetra Tech shall include a process and instrumentation diagram (P&ID) for the recommended alternative treatment system including all existing instrumentation and control at the wellhead. Additionally a preliminary operational scheme including the P&ID, single line diagram, control equipment list, and method of integration with IRWD's existing SCADA system.

Prior to this, Tetra Tech shall develop control loop functional description, control system input/output list, and an action matrix identifying control/alarm points and what items or functions they will control (per IRWD standard format) for District review and approval. Tetra Tech shall identify existing IRWD

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telemetry cabling and facilities and recommend new telemetry connections and extensions, coordinating with IRWD's Electrical Engineer.

- M. Opinion of Probable Construction Cost and O&M Costs: Tetra Tech shall prepare a detailed and itemized opinion of probable construction cost and O&M costs for the proposed facilities, updated at each design phase, corresponding to the appropriate AACE Cost Estimate Classifications and standards. The basis of construction costs will be developed based on budgetary quotations from equipment and material vendors. Tetra Tech will also engage IRWD staff for input regarding recent historical costs for labor and maintenance-related purchases, if available.
- N. Construction Schedule: An updated design schedule and an initial construction schedule shall be developed. Long lead items will be noted, and the schedule will indicate key critical path tasks.
- O. Deliverables Draft PDR, Final PDR: The work described above shall be summarized and compiled into a PDR. One (1) electronic copy in PDF format shall be submitted for review. Upon resolution and incorporation of review comments, one (1) electronic copy in PDF format shall be submitted. The PDR shall be finalized prior to proceeding with the 60 percent design deliverable.

### Task 3 — Final Design

The final design will result in the preparation of the Contract Documents. In the final design phase, Tetra Tech will address the items discussed below:

- A. Project Manual: Tetra Tech will prepare a Project Manual in standard IRWD format for the Contract Documents. IRWD's front end documents will be utilized, and Tetra Tech will assess IRWD's documents to determine any needed supplemental special provisions that should be added to comply with IRWD's general provisions and front-end requirements. The Project Manual will describe the allowable shutdown durations and sequencing associated with construction activities. The Project Manual will also include the IRWD General Technical Specifications, modifications thereto, any project specific technical specifications, and any appendices for reports or documents needed for the selected contractor's reference for construction and permitting.
- B. Improvement Plans: Tetra Tech will prepare detailed construction drawings in the latest version of AutoCAD and using NCS V4.0 layering standards, on 24-inch x 36-inch sheets utilizing IRWD's standard border template. Sheet index/location map/legend, general notes, construction notes, and details will be included. Construction notes shall be used (callouts on the plans are not allowed) on all construction drawings. Construction plans shall be prepared using the NAVD 88 and NAD 83 survey standards.

Tetra Tech will provide plans, calculations and specifications as needed to clearly define the preferred treatment system and supporting facilities. We envision the final design will include the following construction drawings and anticipate a total of 54 sheets as shown in the table below:

Sheet No.	Sheet Title	60% Submittal	99% and Final Submittals
1	Cover Sheet	•	•
2	Sheet Index, Abbreviations, Legend, Project Location Map	•	•
3	General Notes and Agency Index		
4	Process Flow Diagram		
5	Horizontal Control Plan		
6	Staging, Work Area and Access Plan		
7	Demolition Plan and Section		
8	Overall Site Plan		•

Sheet No.	Sheet Title	60% Submittal	99% and Final Submittals
9	Grading and Paving Plan	•	•
10	Yard Piping Plan	•	•
11	Piping Profiles	•	•
12	Connection Details		•
13	Civil Details 1		
14	Civil Details 2		
15	Overall Process/Mechanical Plan	•	•
16	Well Piping Modifications Plan and Section	•	•
17	Treatment Equipment Plan and Section	•	•
18	Backwash Tank Plan and Section (if required)	•	
19	Chemical Feed System Plan and Section	•	•
20	Process Details 1		•
21	Process Details 2		•
22	Process Details 3		•
23	Structural General Notes		
24	Special Inspections	•	•
25	Foundation Plan 1		
26	Foundation Plan 2		
27	Chemical Storage Foundation Plan and Roof Framing Plan	•	•
28	Chemical Storage Section (if required)		
29	Structural Details 1		•
30	Structural Details 2		•
31	Foundation and Equipment Anchorage Details		•
32	Electrical Symbols and Abbreviations	•	•
33	Electrical Demolition Plan	•	•
34	Electrical Site Plan	•	•
35	Power Plan 1	•	
36	Power Plan 2	•	
37	Power Plan 3		•
38	Control Plan 1		•
39	Control Plan 2		•
40	Control Plan 3		•
41	Lighting and Grounding		•
42	Single Line Diagram		•
43	Conduit and Panel Schedule		•
44	Control Schematic 1		•
45	Control Schematic 2		
46	Control Schematic 3		•
47	Electrical Details 1		•
48	Electrical Details 2		

Sheet No.	Sheet Title	60% Submittal	99% and Final Submittals
49	Process and Instrumentation Legend and Abbreviations	•	
50	Process and Instrumentation Diagram 1		•
51	Process and Instrumentation Diagram 2		•
52	Process and Instrumentation Diagram 3		
53	Traffic Control Plan 1		
54	Traffic Control Plan 2		•

- **C.** Opinion of Probable Construction Cost: Prepare a detailed itemized opinion of probable construction cost for the proposed upgrades. The estimate will be provided at each project deliverable.
- D. Project Schedule: Maintain and consistently update the project schedule, which will include detailed schedules for both design and construction activities. The schedule will be updated and submitted with each of the design deliverables described below. The schedule will include all critical factors impacting the project schedule including implementation, permitting, and coordination activities to ensure that the project is completed in accordance with the proposed schedule. The schedule will be prepared in Microsoft Project.
- E. Design Deliverables: Deliverables shall be provided as follows:
  - 1. 60% Design Submittal: Tetra Tech will provide the following:
    - A single searchable PDF file of the entire 60-percent plan set as defined in the previous table.
    - A table of contents of the Project Manual shall be provided in addition to the plan set, referencing applicable and modified IRWD standard specification sections, as well as additional specifications sections that will be required for the project.
    - A tabulated comment-response form generated based on IRWD's review of the PDR.
  - 2. <u>99% Design Submittal</u>: Tetra tech will provide the following:
    - A single searchable PDF file of the entire 90-percent plan set as defined in the table above.
    - Five color-coded hardcopies of the 99 percent Project Manual, complete with all sections as required by IRWD's standard project manual and the RFP. An itemized Opinion of Probable Construction Cost in the form of the list of Bid Items shall be provided along with the Project Manual.
    - A tabulated comment-response form generated based on IRWD's review of the 60% submittal.
  - 3. Final (100%) Design Deliverable: Tetra Tech will provide the following:
    - One full size, printed, final set of plans in a single PDF with Tetra Tech's electronic stamp and signature, including IRWD's signatures on the design sheets.
    - A single searchable PDF file of the Project Manual including Tetra Tech's electronic stamp and signature on the signature page.
    - A tabulated comment-response form generated based on IRWD's review of the 99% submittal.

We understand that this submittal will be backchecked for inclusion of all previous comments prior to adding the Executive Director's electronic signature on the cover sheets of the plans and Project Manual. Once the submittal is reviewed and signed by IRWD, Tetra Tech will provide AutoCAD files for the entire plan set. Provide Microsoft Word files used in the preparation of the Project Manual.

The final submittal shall consist of the following:

- One (1) CD AutoCAD Files
- One (1) CD PDF File of Plan Set
- One (1) CD Project Manual MS Word Files
- One full-size final stamped and signed reproducible plan set consisting of a mylar title sheet and all remaining sheets on bond paper, and one (1) original signed Project Manual for District's signatures.

### Task 4 — Bid Phase

During the bidding period, Tetra Tech will assist with providing information and clarification of bid documents to prospective bidders. This will include the preparation of up to two (2) addenda including revisions to the design plans and specifications and assistance with addressing bidder questions. Addenda preparation activities will include:

- Plan Revisions
- Specification Revisions
- Bidder Questions
- Pre-Bid Meeting

### Task 5 — Engineering Support During Construction

Tetra Tech shall provide support during the duration of construction of the project. Support services are outlined in the subtasks noted below as described in the RFP requirements.

- A. Project Meetings: Tetra Tech attend/conduct up to five (5) project meetings of two hours each during the construction and provide meeting minutes.
- B. Shop Drawing Reviews: Tetra Tech shall review up to forty (40) shop drawing submittals accounting for two (2) review cycles per submittal.
- C. Requests for Information (RFI): Tetra Tech shall review up to fifteen (15) Requests for Information (RFI).
- D. Minor Plan Revisions: Tetra Tech shall provide up to 40 hours of staff time to make any minor plan revisions.
- E. Record Drawings: Tetra Tech shall prepare Record Drawings at construction completion, using Contractor's and IRWD Inspector's redlines. A draft set of Record Drawings in PDF format will be submitted to IRWD for their review. This will be repeated once record drawings are determined to be complete and accurate by IRWD; Tetra Tech will then submit Final Record Drawings in PDF and AutoCAD file formats. IRWD record drawing requirements shall be followed for generating the record drawings.

## Task 6 — Training, Commissioning, and Startup Services

Tetra Tech shall provide support and coordination with our staff and vendor staff to provide all startup, commissioning, and training services for IRWD.

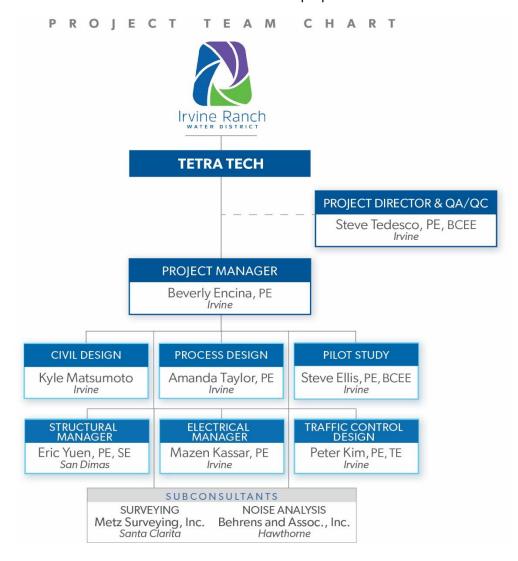
### Task 7 — Post Construction Services

Tetra Tech shall develop an O&M Plan for the treatment facility and will collaborate with the treatment vendor and all other applicable equipment vendors for input. A draft O&M plan including five (5) hard copies and one (1) electronic PDF format copy shall be prepared for IRWD review and comments. The final version shall include five (5) hard copies and one (1) electronic PDF format, and the MS Word file.

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### **PROJECT TEAM**

Tetra Tech has assembled a project team that possesses the knowledge, experience, and enthusiasm necessary to successfully complete this project. Our Project Team is devoted to completing your project within schedule and under budget, and not only meet, but exceed your expectations. Resumes for our project team members can be found in the Resumes section of this proposal.



#### **Project Director & QA/QC**

**Steve Tedesco, PE, BCEE,** will be the Project Director and will serve as overall project delivery quality control. Steve has more than 38 years of experience and will provide his technical expertise to assist the design team in the areas of constructability, specifications, review and as-needed project management support. Steve has been involved on over 25 different projects for IRWD.

### **Project Manager**

**Beverly Encina, PE,** will serve as the Project Manager and will oversee the day-to-day management of the project. Beverly has more than 19 years of experience in the water and wastewater field and her qualifications include experience in project management and engineering design of water treatment, distribution, hydraulic analysis for water, sewer, storm drain, as well as construction phase services. Beverly has been involved on over 15 different projects for IRWD. With guidance and input from Steve Tedesco, she will provide overall management of the various phases to this project to ensure they are delivered on time and within budget.

#### **Lead Civil and Site Layout Engineer**

**Kyle Matsumoto,** will lead the civil design of the project as well as assist the project manager with coordination within the team. Kyle has more than four years of experience working on water treatment and water distribution projects.

### **Lead Process Engineer**

**Amanda Taylor, PE** will lead the process design of the project as well as assist the project manager with coordination within the team. Amanda has more than 13 years of experience working on water treatment and water distribution projects.

#### **Pilot Studies**

**Steve Ellis, PE, BCEE,** will lead the Pilot Study Evaluation and coordination of testing for the project as well as a has more than 42 years of experience in project management and design of water treatment and water distribution projects. Steve has been involved in past project piloting efforts such as the Wellhead Treatment Strategy and Preliminary Design Project for Rancho California Water District.

#### **Electrical Task Leader**

**Mazen Kassar, PE,** will assist our Project Manager and direct the activities of other members of the design team in the capacity of the Electrical Task Leader. At Tetra Tech, Mazen has been responsible for the design of electrical systems for the majority of all of our water/wastewater facilities in Southern California.

### **Structural Engineer**

**Eric Yuen, PE, SE,** will assist our Project Manager and direct the activities of other members of the design team in the capacity of the structural aspects of the project. For the past 14 years Eric has been involved in the structural design of the majority of our treatment facility **structures including IRWD's Wells 21 and 22 Desalter.** 

### **Traffic Control**

Peter Kim, PE, TE, will assist as our Traffic Control Engineer and provide Traffic Control Design for the project. For the past 27 years Peter has been involved in responsible for over 20 freeway projects requiring preparation of traffic design plans and traffic management plans throughout Southern California as well as traffic control plans for various water districts (including IRWD) on more than 100 projects. Peter most recently provided Traffic Control Design for IRWD's Harvard Avenue Trunk Sewer Diversion Structure Rehabilitation and IRWD's Principal Aquifer Plant (PAP, Well ET-1) Optimization for PFAS Treatment.

### **Subconsultants**

In order to provide the full range of services required for this project, we have added **Metz Surveying, Inc.** and **Behrens and Associates, Inc.** as Subconsultants to our project team. Tetra Tech will be responsible for coordinating and integrating the efforts of our surveyor and noise analysis specialists.

Surveying: Metz Surveying, Inc. (DIR Registration #: 1000045062)

Noise Analysis: Behrens and Associates, Inc. (DIR Registration #: 1000018695)

### Percentage of Staff Contribution

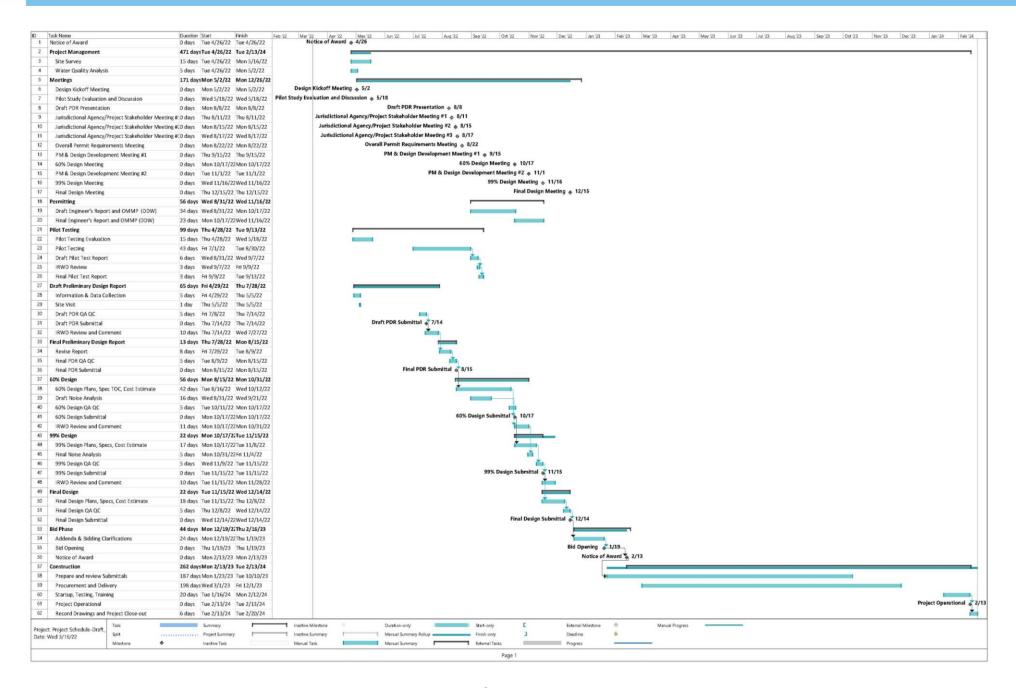
As requested in the RFP, the following is our estimate for Percentage of Staff Contribution:

Team Member	Contribution Percentage	Team Member	Contribution Percentage
Steve Tedesco, PE, BCEE	5%	Amanda Taylor, PE	10%
Beverly Encina, PE	20%	Mazen Kassar, PE	10%
Kyle Matsumoto	20%	Eric Yuen, PE, SE	5%
Steve Ellis, PE, BCEE	20%	Additional Design and Administrative Support Staff	25%

# **EXPERIENCE**

Our Project Team has performed similar work on many wellhead treatment system projects. The following is just a brief summary of this experience and additional project summary sheets with more details can be found in the Project Experience and References section.

Client	Project Name	Treatment	Capacity (GPM)	Year Completed		
Eastern Municipal Water District	San Jacinto Enhanced Recharge and Recovery Program	Oxidation - Filtration for Iron and Manganese Removal	6,300	2021		
Orange County Water District	Fullerton Main Water Treatment Plant	Ion Exchange (IX) for PFOA, PFAS Removal	8,300	2021		
Water Replenishment District	Tract 349 Mutual Water Company Wells 3 and 4 Preliminary Design Report	Oxidation - Filtration for Manganese Removal	800 and 900	2020		
Orange County Water District	Yorba Linda Water District Headquarters PFAS Water Treatment Plant	Ion Exchange (IX) for PFOA, PFAS Removal	17,300	2020		
Eastern Municipal Water District	Moreno Valley Groundwater Treatment Plant	Oxidation - Filtration for Iron and Manganese Removal	3,000	2019		
Orange County Water District	Kimberley 1A PFAS Water Treatment Plant	Ion Exchange (IX) for PFOA, PFAS Removal	3,200	2019		
Orange County Water District	Serrano Water District PFAS Water Treatment Plant	Ion Exchange (IX) for PFOA, PFAS Removal	3,000	2019		
U.S. Army Corps of Engineering	Joint Base Lewis McChord Field Housing Water System	Oxidation - Filtration for Iron and Manganese Removal	2,125	2018		
Water Replenishment District	Sativa Well 5 Technical Evaluation Study and Design Projects	Oxidation - Filtration for Manganese Removal	750	2017		
Pascal & Ludwig/ Goleta Water District	Design-Build of Four Small Wells	Oxidation - Filtration for Manganese Removal (Shirrell Well)	280	2016		
Irvine Ranch Water District	Irvine Desalter Manganese Removal Treatment Project	Oxidation - Filtration for Manganese Removal	1,800	2009		
South Coast Water District	Groundwater Recovery Program Desalination Facility	Oxidation - Filtration for Iron and Manganese Removal	163	2008		





March 17, 2022

Carl Spangenberg, PE Project Manager Irvine Ranch Water District 15600 Sand Canyon Avenue Irvine, CA 92618

Reference: Fee Proposal to Provide Engineering Design and Construction Services for the Lake Forest

Well No. 2 Treatment and Sewer Bypass Project

Dear Mr. Spangenberg,

Tetra Tech is eager to submit our fee proposal to provide engineering design and construction services for the Lake Forest Well No. 2 Treatment and Sewer Bypass Project. All work will be performed on a time and material basis "not-to-exceed" the contract price and no additional compensation will be received beyond the price negotiated to be performed unless changes are approved in advance by an amendment to our contract signed by the Irvine Ranch Water District.

Attached is our work plan with a breakdown of labor hours by employee billing classification, together with the cost of non-labor and subconsultant services. The attached rate schedule includes Tetra Tech's billing rates for this project for all classifications of staff likely to be involved in the project; as well as overhead, profit, and expenses.

Tetra Tech appreciates the opportunity to submit our fee proposal and looks forward to your positive response. Should you require additional information or have any questions regarding our submittal, please don't hesitate to contact us.

Respectfully

Steve Tedesco, PE Project Manager

SDT/BSE/de

Attachments

T D.:- D													Labo	r Plan							Price S	Summary /	Totals	9	34	0 1	729
<b>™</b> Price Proposal														source							riice 3	Millial y /	101213		Task Prici	ng Total	200 730
Lake Forest Well No. 2 Treatment	t and So	ewer l	Bypag	SS		Bill Rate >	330,00	195.00	120.00	190.00	120.00	230.00	215,00	135.00	255.00	150.00	110.00	255.00	160.00	120,00				Specify A	Add'l Fees		
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Design and engineering services during construction for a new treatment system r	o remove iron ar	nd manganese	for IRWD's e	existing We	ll No. 2	Proj Area >			Civil	Process	Process	Pilot Study	Structural	Structural	Electrical	Electrical	Electrical	Traffic	CADD	Admin						al Price	
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Project Phases / Tasks	From	Thru	Months	s Š ĕ	% %	2,328	39	339	294	250	286	36	82	119	111	190	226	23	223	110	0.00%	374,460	12,601	1,078	6,600	16	391,739
1.0 Project Management	04/26/22	02/13/24	21.2	47	423	205	27	100	2	13		2	21	2	25	2				11		44,360		616			44,976
1.01 Project Management						54	4	50														11,070					11,070
1.02 Preparation of Project Status Reports  1.03 Meetings and Workshops		1	<del>-</del>	-	-	16 77	5	16 18	2	13		2		2	12	-				-		3,120					3,120
Kick-off Meeting (1)			1	-	$\vdash$	- '/	1	10	<b>-</b>	13	<u> </u>	1	1		13	2				11		<b>15,470</b>	•	616 88			<b>16,086</b>
Pilot Testing Evaluation Meeting (1)						5	1	1		1		1			<u> </u>					1		1,065		88			1,623 1,06
Additional Design Meetings (2)						9		2		2			2		2					1		1,830					1,830
Jurisdictional Agency Meetings (3)						8	1	3		1										3		1,465					1,465
Overall Permit Requirements Meeting (1)			1			3	1	1												1		645					645
Site Visits (2) Draft PDR Presentation (1)	+			-		12		2	2				2	2	2							2,140		264			2,404
60% Design Presentation (1)	+	-	<b>!</b>		-	9	- 1	2		2			1		2					1	-	1,945					1,945
99% Design Presentation (1)	1		1	-	1	8		2		2			1		2					1	-	1,615 1,615		88			1,703 1,703
Final Design Presentation (1)			1			8		2		2			1		2					1		1,615		88			1,703
1,04 QA/QC Reviews						50	18	8					12		12							13,140					13,140
1.05 Project Schedule Updates						8		8														1,560					1,560
2.0 Preliminary Design	04/26/22	09/13/22	4.5	10	90	611	4	87	106	84	94	34	8	12	21	48	62	(•)	31	20		96,140	4,901	•			101,041
2.01 Information, Data Collection, & Site Investigation 2.02 WQ Data Collection and review		-			$\vdash$	48 16		8	8	4	8		2	4	2	4	8					7,200					7,200
2.03 Permits/Environmental	-				-	32		12	8	8	4	4	<u> </u>									3,070 5,300					3,070
2.04 Siting Design						26		8	12	2	4		-								1	3,860				34 ap	5,300 3,860
2.05 Treatment Alternatives						42	2	8		8	16	8										7,500				•2	7,500
2.06 Pilot Testing Evaluation						42	2	4	8	8		20										8,520					8,520
2.07 Well Piping Modifications						24		8	16													3,480					3,480
2.08 Utility Search						25		4	16						1	2	2					3,475					3,475
2.09 Site Survey 2.10 Improvement Plan Sheets						142		5	10	18	40		-		4	44	70						4,901		4		4,901
Process Flow Diagram (1)	-		-	1-		7		,	10	2	40			0.73	4	14	28		23			20,275 1,020	*.*			, i	20,275
Horizontal Control (1)					1	5		1	2										2			755					1,020 755
Overall Site Plan (1)						8		2	4										2			1,190		e .		- 4	1,190
Grading and Paving (1)						8		2	4										2			1,190			z.	-	1,190
Overall Mechanical/Process (1)			1			24				4	12								8			3,480					3,480
Treatment System Plan (1)			-		$\vdash$	14				2	8								4			1,980					1,980
Chemical Area Plan (1)  Electrical Site Plan (1)	+		-	-	-	10				2	4				2				4			1,500					1,500
Single Line Diagram (1)	<del>                                     </del>		<b>-</b>		1	11									1	2	8					1,990 1,435					1,990 1,435
PIDs (4)						41				8	12				1	8						5,735					1,435 5,7 <b>3</b> 5
2.11 Instrumentation & Control Design Criteria						22				8		nir.			2	12						3,830					3,830
2.12 Opinion of Probable Construction Cost and O&M Costs						74		8	20	4	12		2	4	4	8	12					10,670					10,670
2.13 Construction Schedule						4		4														780					780
2.14 Deliverables - Draft & Final PDR	00/47/35	12/14/22	30	1	70	114		16	150	16		2	4	4	8				8	20		18,180					18,180
3.0 Final Design 3.01 60% Plans, Spec TOC, Cost Estimate		12/14/22		_	78 40	1,140 440		99	150 66	114 50	146 63		31	81 24	34 11	101 31	150 60	23	160 65	51 17		171,990	7,700 4,400		6,600		186,290
General (3)	-0,25/62	,,		+		6		2	4		03			- 24	- 11	31	80		03	1/		<b>65,270</b> 870	4,400		-	•	<b>69,670</b> 870
PFD (1)						3				1	1								1			470					470
Cívil (6)						84		20	40										24			12,540					12,540
Process/Mechanical (5)						62				12	30								20			9,080					9,080
Structural (5)						48							8	20					20			7,620					7,620
Electrical (15)						80									8	24	48					10,920					10,920
PID (4)				-		36	-			4	12				2	6	12					4,930					4,930
Project Manual TOC  Construction and O&M Cost Estimate	-					11 42		4	12	1	9		1		1	1				1		1,950					1,950
Permitting Asst. including Draft Eng Report & OMMP		-				68		8	8	24	12		- 4	- 4						16		6,450 10,440					6,450
Draft Noise Analysis	<b>†</b>				-					41	**								-	10		10,440	4,400				10,440 4,400

3.02 99% Plans, Specs, Cost Estimate	10/17/22	11/15/22	0.9	3	18	575		45	66	55	69		14	46	16	56	78	19	86	25		87,310	3,300	-	2,200	92,810
General (3)						3		1	2													435				435
PFD (1)					1	2				1	1											310				310
Civil (10)						96		16	40										40			14,320				14,320
Process/Mechanical (7)						56				16	40											7,840				7,840
Structural (9)						80							8	32					40			12,440				12,440
Electrical (17)						72									8	24	40					10,040				10,040
PID (4)						32				2	4				2	8	16					4,330				4,330
Traffic Control (2)						22												16	6			5,040				5,040
Project Manual						134		8	8	20	12		4	12	4	20	20	2		24		19,850				19,850
Construction and O&M Cost Estimate						33		4	8	4	4		2	2	2	4	2	1				5,265				5,265
Permitting Asst. including Final Eng Report & OMMP						44		16	8	12	8											7,320				7,320
Project Manual Prints (5)						1														1		120			2,200	2,320
Final Noise Analysis						139																	3,300			3,300
3.03 Final Plans, Specs, Cost Estimate	11/15/22	12/14/22	0.9	3	18	110		8	14	7	14	150	4	11	5	14	12	3	9	9		16,575	•		4,400	- 20,975
Revise and Prepare Bid Set Plans						61		4	8	4	8		2	8	2	8	8	1	8			9,095				9,095
Revise and Prepare Bid Set Specs						30		2	4	2	4		1	2	2	4		1		8		4,540				4,540
Finalize Construction and O&M Cost Estimate						17		2	2	1	2		1	1	1	2	4	1				2,660				2,660
Full-size Plan Plots and Proj Manual Prints (5)						2													1	1		280			4,400	4,680
3.04 Construction Schedule Updates		- 2				15		4	4	2			2		2			1				2,835				2,835
4.0 Bid Phase	12/14/22	02/13/23	2.0	5	39	56		4	6	4	6		3	6	3	6	2	2	4	12		8,400	•	22	6	- 8,422
4.01 Conformed Documents & Pre-Bid Meeting						22		2	2	2	2		1	2	1	2			4	4		3,410		22		3,432
4.02 Addenda & Meeting Minutes						34		2	4	2	4		2	4	2	4	2			8		4,990				4,990
M. Engineering Support During Construction	02/13/23	02/12/24	11.8	26	235	202		-31	22	11	20		19	18.	160	25	12		28			33,320		330		10,000
5.01 Project Meeting (4)						16		10					4		2							3,320		1511		3,485
5.02 Shop Drawing Reviews (30)						72		4	12	4	12		4	12	4	12	8					10,600				10,600
5.03 Requests For Information (15)						28		4	2	4	2		4	2	4	4	2			- Daniel		4,990				4,990
5.04 Minor Plan Revisions (40 hrs)						40		2	4	2	4		2	4	7	41			16			6,370				6,370
5.05 Site Visits (5)						22		10-1							4	4						4,430		165		4,595
5.06 Record Drawings						24		1	4				1			1	2		12			3,610				3,610
5.0 Training, Commissioning, & Startup Services	01/13/24	02/13/24	1.0	3	20	48	-	12	8	12	4				8		(4)	-	7.0			9,420	-	110		9,530
6.01 Startup & Commissioning Support						48	4	12	8	12	4				8							9,420		110		9,530
7.0 Post Construction Services	02/12/24	- C/C//24	0.5	1	9	66	4	6		12	16	-	V:(*)	5.0	4	8	-	-		16		10,830	-1	-	-	- 10,830
7.01 Draft O&M Plan						40	2	4		8	8				2	4				12	-	6,4200				6,470
7 02 Final GSWPPlan						26	2	2		4	8				2	4				4		4,360				4,360
	otals 04/26/22		21.7	0		2,328		339	294	250	286	-3		119	111		226	23	223		0.00%	374,460	12.601	1.078	6,600	

Total=\$349,729

Somof PM, TDR, Deagn + Bid Phase

excludes construction

phase services,

training/Start up 4

post construction

services)